ENVIRONMENTAL ASSESSMENT

West Fork Apartments
3400 Twin Creeks Drive, Columbus, Franklin, OH
Grantee: Kittle Property Group, Inc.
Grant Numbers:
ODOD: 23-0246
Environmental Assessment, Subject to Part 58.5

OHFA Tracking Number: 23-0246

August Mack Project Number: JX2098.721.0019

PREPARED FOR:

Ohio Housing Finance Agency
Rachel Nelson
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PREPARED BY:

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ISSUE DATE:
August 13, 2024

August Mack
ENVIRONMENTAL

ENVIRONMENTAL ASSESSMENT
JX2098.721 - OHFA - 2023
3400 Twin Creeks Drive
Columbus, OH 43204
OHFA Tracking Number

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West Fork Apartments
3400 Twin Creeks Drive
Columbus, OH 43204
OHFA Tracking Number: 23-0246
August Mack Project No. JX2098.721.0019

1.0 ENVIRONMENTAL ASSESSMENT

1.1 Project Details

Activity Name	West Fork Apartments
Activity Location	3400 Twin Creeks Drive, Columbus, Franklin County, Ohio
Grantee	Kittle Property Group, Inc
Grant Numbers	Ohio Department of Development: 23-0246
Type of Review	Environmental Assessment, Subject to Part 58.5
Review Date	July 26, 2024

Approximate Cost	Source
$17,815,536	LIHTC Equity
$28,238,000	Permanent First Loan
$7,595,605	Deferred Developer Fee
$3,500,000	HDAP HOME
$1,546,000	Interim Income
$100	General Partner Contribution
$58,695,241.00	TOTAL

Responsible Entity, Ohio HOME:	Ms. Jasmin Walton Ohio Department of Development 77 South High Street Columbus, Ohio 43215 Phone: (614) 466-2285	Ms. Lydia Mihalik Ohio Department of Development 77 South High Street, 26th Floor Columbus, Ohio 43215 Phone: (614) 466-2285
Monitoring Agency:	Ms. Rachel Nelson Ohio Housing Finance Agency 2600 Corporate Exchange Dr., Suite 300 Columbus, Ohio 43215 Phone: (614) 644-7592	
Project Contact:	Mr. Jeffery Kittle Kittle Property Group, Inc 310 East 96th Street , Suite 400	

	Indianapolis, Indiana 46240 Phone: (317) 805-1980	
Prepared By:	Mr. Devin Starr August Mack Environmental, Inc. 7830 N. Central Drive, Suite B Lewis Center, Ohio 43035 Phone: (740) 548-1500 dstarr@augustmack.com	Ms. Shannon Landrum August Mack Environmental, Inc. 7830 N. Central Drive, Suite B Lewis Center, Ohio 43035 Phone: (740) 548-1500 slandrum@augustmack.com

HOME funds will be used for the new construction of West Fork Apartments, a multi-family housing project consisting of two-hundred and sixteen (216)-units in six (6) three-story residential buildings. The current subject property consists of maintained grass on the northwest portion, woodened land to the south and east, and a playground and recreational courts on the northern portion. West Fork Apartments will consist of a walkup & garden style apartment community for families in Columbus, Ohio. It will consist of one (1), two (2), three (3), and four (4) bedroom units, with bedroom units also including two (2) baths. Residents will enjoy an open floor plan with dark cabinets, whirlpool appliances, Luxury Vinyl Plank (LVP) flooring throughout, with carpet in bedrooms only. This development will feature a large clubhouse with a leasing office, services center, fitness room, game room, and cyber cafe, as well as additional meeting space. Exterior amenities include a playground, dog park, entertainment pavilion, and an outdoor picnic & grilling area. Garages are available for additional monthly fees. Kittle Property Group will partner with Homeport to provide services to 15% of households (with the ability to expand based on demand) to ensure residents have additional opportunities in the Columbus community. Included as attachments are subject property location maps **(Appendix A)**, subject property photographs **(Appendix B**), and subject property development plans **(Appendix C)**.

West Fork Apartments will be developed using Low-Income Housing Tax Credit (LIHTC) financing and will target new affordability for families. The ownership entity of the project will be West Fork Apartments, LP. The non-profit participating organization is Homeport, and the general contractor, architect and management company will be Kittle Property Group, Inc. The project engineer is Sands Decker Engineers & Surveyors. A market study was prepared by Vogt Strategic Insights on July 21, 2023, which has certified that a market exists for the proposed development. A Market Study Certification is included in **Appendix D**.

1.2 Signature of Responsible Individuals

WEST FORK APARTMENTS, COLUMBUS, FRANKLIN COUNTY, OHIO GRANT NUMBER 23-0246

PREPARER CERTIFICATION OF ENVIRONMENTAL REVIEW COMPLETION

The preparers have complied with all provisions of 24 CFR Part 58, Subpart E-Environmental Review Process: Environmental Assessments, examining alternatives to the project itself, feasible ways to modify the project to eliminate or minimize adverse impacts, and based on steps (a) through (f) found in the regulations, determined the following:

1. Is the project in compliance with applicable laws and regulations?	Yes
2. Is an EIS required?	No
3. A finding of No Significant Impact (FONSI) can be made. Project will not significantly affect the quality of the human environment.	Yes

Prepared by:

Name:	Shannon Landrum
Title:	Practice Leader
Address:	7830 North Central Drive, Suite B Lewis Center, Ohio 43035
Date:	August 13, 2024
Signature:	

Name:	Devin Starr
Title:	Due Diligence Manager
Address:	7830 North Central Drive, Suite B Lewis Center, Ohio 43035
Date:	August 13, 2024
Signature:	

DETERMINATION OF THE OHIO DEVELOPMENT SERVICES AGENCY

On the basis of the environmental assessment of the above project, I have made the following finding:

Finding of No Significant Impact (FONSI) [24 CFR 58.40(g)(1); 40 CFR 1508.27] The project will not result in a significant impact on the quality of the human environment.	**X**
Finding of Significant Impact [24 CFR 58.40(g)(2); 40 CFR 1508.27]The project may significantly affect the quality of the human environment.	

Certifying Officer Name:	Ms. Lydia L. Mihalik, Director, Ohio Department of Development
Address:	77 South High Street, Columbus, Ohio 43215
Signature:	Included in **Attachment Y**
Date:	August 9,2024

2.0 STATUTORY CHECKLIST

The Statutory checklist covers statutes, regulations, and Executive Orders, other than NEPA, (See 24 CFR 58.5 and 58.6) to which every project must respond, unless it is exempt. These laws, regulations, and Executive Orders have been organized in a format that allows for systematic and consistent review and compliance. For each of the environmental laws and authorities listed below, a narrative explanation is included. Supporting documentation, if applicable, is provided as an appendix to this report. If compliance is required, compliance procedures and/or mitigation are indicated in the narrative.

2.1 Historic Preservation

Statutes, Executive Orders, and Regulations listed at 24 CFR 58.5	Compliance Required?
National Historic Preservation Act of 1996, particularly sections 106 & 110; 36 CFR Part 800	Yes

The subject property is not listed or eligible for listing in the National Register of Historic Places. As documented on the Ohio History Connection State Historic Preservation Office (SHPO) online mapper and the National Park Service (NPS) National Register of Historic Places online mapper, the subject property is not located within a Historic District, nor is the subject property identified as a listed structure on the National Register.

August Mack submitted a Section 106 consultation request to SHPO on March 26, 2024. A response was received on April 24, 2024, which indicated that there are no historical properties districts or previously recorded archeological sites located on the subject property; however, is in close proximity to surrounding archaeological sites on similar landforms. Therefore, SHPO recommended a Phase I archaeological survey for the entire Area of Potential Effect (APE). A Phase I archaeological survey, conducted by EMH&T, Inc., was conducted and revealed no historic era archaeological sites were identified. The Phase I archaeological survey was provided to SHPO on June 11, 2024, who responded on June 27, 2024, and agreed with the findings of the archaeological survey.

Historic preservation documentation is included in **Appendix E**.

Site Specific Mitigation:

- **Per 24 CFR • 93.301(f)(1): If archaeological resources or human remains are discovered on the subject property during construction, consult with affected tribes and/or descendant communities and comply with the Native American Graves Protection and Repatriation Act (25 U.S.C. 3001-3013), State law and/or local ordinance (e.g., State unmarked burial law).**

Standard Mitigations

Any proposed changes to the project must be conveyed to ODOD promptly. The Environmental Review must be reevaluated by ODOD prior to initiation of any proposed changes.

If an additional phase or affiliated project is proposed by a member of the current project team, this additional work must be coordinated with SHPO, prior to initiation and regardless of funding source.

Project personnel shall be notified, both verbally and through notations on the final construction drawings, that work shall be halted and ODOD notified immediately if archaeological remains are discovered during construction to allow for coordination with SHPO regarding appropriate actions.

2.2 Floodplain Management

Statutes, Executive Orders, and Regulations listed at 24 CFR 58.5	Compliance Required?
Executive Order 11988, particularly Section 2(a); 24 CFR Part 55	No

According to the Federal Emergency Management Agency (FEMA) Flood Insurance Maps (FIRM) for the City of Columbus, dated June 17, 2008 (Map Panels 39049C0302K and 39049C0301K), the majority of the subject property is rated as Flood Zone X, an area of minimal flood hazard. Portions of a Regulatory Floodway and 100-year floodplain (Zone AE) are depicted on the southern and eastern portions of the subject property. However, all proposed buildings, parking lots, and all ingress and egress areas are located outside the Special Flood Hazard Areas.

A copy of the FIRM is included in **Appendix F.**

2.3 Wetland Protection

Statutes, Executive Orders, and Regulations listed at 24 CFR 58.5	Compliance Required?
Executive Order 11990, particularly sections 2 & 5	No

According to review of the U.S. Fish & Wildlife Service (USFWS) National Wetland Inventory (NWI) map, no wetlands are depicted on the subject property; however, riverine habitats were located on the southern and eastern portions of the subject property. According to the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) Web Soil Survey map, the subject property soil types are identified with a low hydric rating. In addition, no wetland vegetation was observed at the time of the inspection.

Wetland documentation is included in **Appendix G.**

2.4 Coastal Zone Management

Statutes, Executive Orders, and Regulations listed at 24 CFR 58.5	Compliance Required?
Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 13501]	No

According to the Ohio Department of Natural Resources (ODNR) map of Coastal Management Areas, the subject property is not located in a Coastal Management Area.

A copy of the Coastal Management Area map is included in **Appendix H**.

2.5 Sole Source Aquifers

Statutes, Executive Orders, and Regulations listed at 24 CFR 58.5	Compliance Required?
Safe Drinking Water Act of 1974, as amended, particularly section1424(e); 40CFR Part 149	No

According to the U.S. Environmental Protection Agency (U.S. EPA) Sole Source Aquifer map, the subject property is not located within a designated Sole Source Aquifer.

A copy of the Sole Source Aquifer map is included in **Appendix I**.

2.6 Endangered Species

Statutes, Executive Orders, and Regulations listed at 24 CFR 58.5	Compliance Required?
Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402	Yes

A review of the U.S. Fish & Wildlife Service (USFWS) Section 7 Consultation website revealed the following endangered and/or threatened species and critical habitat may be present within the subject property boundary: Indiana Bat, Northern Long-eared Bat, Tricolored Bat, Rayed Bean, Salamander Mussel, and the Monarch Butterfly. August Mack submitted a Section 7 Consultation request on March 26, 2024 to the USFWS requesting concurrence that the proposed West Fork Apartments project is not likely to adversely affect the Federally-Listed Threatened, Endangered, Proposed, and Candidate Species and/or any critical habitat on the subject property.

A response was received from the USFWS on April 18, 2024, concluding that the project is not likely to adversely affect the federally protected species, as long as seasonal tree clearing of trees greater than or equal to 3-inches in diameter at breast height occurs between October 1 through March 31.

August Mack submitted an Environmental Review request to ODNR on March 26, 2024. A response was received from Mr. Mike Pettegrew, Environmental Services Administrator, on April 26, 2024. In the response, ODNR also recommends that clearing of any trees greater than or equal to 3-inches in diameter at breast height be performed between October 1 through March 31 in order to minimize impacts to the federally endangered Indiana Bat and the Northern Long-eared Bat. ODNR also recommended a desktop habitat assessment to determine if a potential hibernaculum is present within the subject property. A desktop habitat assessment was submitted to

ODNR on July 12, 2024. A response was received on July 16, 2024 that stated no caves, cliffs, or mine openings occur in the project area. Therefore, the project is not likely to impact hibernating bats.

Endangered Species documentation is included in **Appendix J.**

Site-Specific Mitigations:

- **In order to minimize impacts to the federally endangered Indiana Bat and the federally threatened Northern Long-eared Bat, trees greater than or equal to 3-inches in diameter at breast height may only be cleared from October 1 though March 31.**

2.7 Wild and Scenic Rivers

Statutes, Executive Orders, and Regulations listed at 24 CFR 58.5	Compliance Required?
Wild and Scenic Rivers Act of 1968, particularly section 7(b) & (c)	No

Based on a review of the National Wild and Scenic Rivers System map and the ODNR Scenic River map, the subject property is not located in the vicinity of a Wild and Scenic River. Copies of the National Wild and Scenic Rivers System map and the ODNR Scenic Rivers map are included in **Appendix K**.

2.8 Air Quality

Statutes, Executive Orders, and Regulations listed at 24 CFR 58.5	Compliance Required?
Clean Air Act, as amended, particularly section 176 (c) & (d); 40 CFR Parts 6, 51, 93	Yes

Clean Air Act

According to the Non-Attainment Area for National Ambient Air Quality Standards (NAAQS) map, Franklin County is not located in a non-attainment area. According to the U.S. EPA NEPAssist tool, no Toxic Release Inventory (TRI) facilities are located within 1,000-feet of the subject property. In addition, review of the U.S. EPA NEPAssist tool revealed no Aerometric Retrieval System (AIRS) or Toxic Release Inventory (TRI) facilities located within 1,000-feet of the subject property.

A copy of the NAAQS map is included in **Appendix L.**

Asbestos

No structures are located on the subject property; therefore, an ACM survey is not required.

Fugitive Dust

The project may result in a temporary increase of dust and fumes from construction activities. Best Management Practices should be employed during construction to control fugitive dust. No long-term impact on ambient air quality is anticipated.

Post-Construction Sources

The units will utilize electric heating and cooling. The units will not use fireplaces, will not use heating oil, and should not have a measurable impact on air quality.

Standard Mitigations

Best Management Practices and Reasonably Available Control Measures [OAC Rule 3745-17-08(B)] shall be employed by the Contractor to control fugitive dusts during construction activities.

Construction drawings/specifications shall be modified to include the following statement: "The Contractor shall at no time incorporate any materials that are composed of or contain any amount of asbestos. The substitution of materials that contain any amount of asbestos will in no circumstances be acceptable. Upon completion of the project, the Contractor and Project Architect shall submit written statements or certifications asserting that no asbestos containing materials were specified in any portion of the construction."

All units shall be equipped with air conditioning systems.

2.9 Farmland Protection

Statutes, Executive Orders, and Regulations listed at 24 CFR 58.5	Compliance Required?
Farmlands Protection Policy Act of 1981, particularly sections 1504(b) & 1541; 7 CFR Part 658	No

The subject property is not currently farmed. The regulatory definition of farmland (7 CFR 658.2(a)) indicates that farmland does not include land already committed to

urban development or water storage. Farmland already in urban development includes lands identified as "urbanized areas" (UA) on the Census Bureau Map. According to the U.S. Census map, the subject property is not located in a designated urban area. According to the U.S. Department of Agriculture Natural Resources Conservation Service (NRCS) Web Soil Survey, a majority of the subject property soils are classified as not prime farmland with portions of prime farmland on the eastern portion.

Copies of the U.S. Census Bureau and NRCS maps are included in **Appendix M**.

2.10 Noise Abatement and Control

Statutes, Executive Orders, and Regulations listed at 24 CFR 58.5	Compliance Required?
Noise Control Act of 1972, as amended by the Quiet Communities Act of 1978; 24 CFR Part 51 Subpart B	Yes

Noise sources in the vicinity of the subject property were evaluated including major roadways within 1,000-feet, railroads within 3,000-feet, civil airports within 5-miles, and military airports within 15-miles.

No civil airports were identified within 5-miles of the subject property; however, one (1) military airport, Rickenbacker International Airport, is located within 15-miles of the subject property. Based on a review of the Rickenbacker International Airport zoning districts and noise contour map, the subject property is located well outside of the areas impacted by noise from the military airport.

One (1) major roadway, North Wilson Road, was identified within 1,000-feet of the subject property; and one (1) railroad, operated by Norfolk Southern (NS), was identified within 3,000-feet of the subject property. Based on the location of the noise sources in relation to the subject property, six (6) Noise Assessment Locations (NALs) were evaluated. Utilizing the Federal Railroad Administration (FRA) Inventory Form and traffic counts (with 10-year projections) obtained from the Ohio Department of Transportation (ODOT) Transportation Data Management System, the calculated Day / Night Noise Level (DNL) for the combined sources ranged from 51 decibels (dB) to 57 dB, which are within HUD's acceptable range (below 65 dB).

Noise evaluation documentation is included in **Appendix N**.

2.11 Airport Clear Zones and Accident Potential Zones

Statutes, Executive Orders, and Regulations listed at 24 CFR 58.5	Compliance Required?
Clear Zones and Accident Potential Zones; 24 CFR Part 51 Subpart D	No

The subject property is not located within 2,500-feet of the end of a civil airport runway or 15,000-feet of the end of a military airfield runway; therefore, the project is not located within an airport clear zone or accident potential zone. The closest airport is the Darby Dan Airport located approximately 5.6-miles southwest of the subject property.

An airport location map is provided in **Appendix O**.

2.12 Explosive and Flammable Operations

Statutes, Executive Orders, and Regulations listed at 24 CFR 58.5	Compliance Required?
24 CFR Part 51 Subpart C	No

The project does not involve explosive and flammable materials or operations. According to the Ohio Department of Natural Resources (ONDR) oil and gas well map, no active oil and gas wells were identified on or in the vicinity of the subject property. According to the Nation Pipeline Mapping System (NPMS), the closest high-pressure pipeline is located approximately 2,169-feet southwest of the subject property. As determined during a site inspection conducted by August Mack's Due Diligence Manager, Devin Starr, on September 26, 2023, and via review of satellite maps, there is no evidence of unobstructed or unshielded aboveground storage tanks (ASTs) or operations utilizing explosive/flammable material at or in close proximity to the subject property. In addition, the Phase I ESA completed by SME did not identify any explosive and flammable materials or operations in the vicinity of the subject property.

Explosive and Flammable Documentation is included in Appendix P.

2.13 Toxic Chemicals and Radioactive Materials

Statutes, Executive Orders, and Regulations listed at 24 CFR 58.5	Compliance Required?
24 CFR 50.3(i) & 58.5(i)(2)	Yes

Phase I Environmental Site Assessment (ESA)

According to the Phase I ESA report completed for the subject property by SME Environmental (SME), dated February 7, 2024, no recognized environmental conditions (RECs) were identified based on a previous Limited Phase II ESA complete for the subject property by SME, dated March 13, 2023.

The Phase II Limited Subsurface Investigation (LSI) was conducted to address a REC identified in the previous Phase I ESA. This REC included the potential release of petroleum or hazardous substances associated with disturbed soil and dumping (undocumented soil piles, asphalt millings, household waste, and unidentified granular material) in the central portion of the subject property. The Phase II LSI included seven (7) soil borings for collection of soil samples analyzed for volatile organic compounds (VOCs) via U.S. EPA method 8260, polycyclic aromatic hydrocarbons (PAHs), via U.S. EPA method 8270, and Resources Conservation and Recovery Act (RCRA) 8 Metals via U.S. EPA method 6010B/7470. According to analytical results, all soil samples were below Ohio Environmental Protection Agency (EPA) Voluntary Action Plan (VAP) standards for both construction/excavation workers and residential uses. Arsenic was observed in six (6) soil samples which exceeded the statewide standard; however, were below the County background concentration. Given this, SME Environmental concluded that West Fork Apartments has not been adversely impacted by the piles of soil and construction material observed during the previous Phase I ESA. August Mack concurs with the conclusion of the Phase II LSI report.

A copy of the Phase I ESA and Phase II report are included in **Appendix Q**.

Lead-Based Paint

No structures are currently present on the subject property; therefore, lead-based paint is not a concern.

Radon

Per the HUD Office of Multifamily Development Radon Policy, installation of passive radon systems and post construction testing will be required. Construction shall meet the requirements of ASTM E1465-08a for the installation of passive systems. Post-construction testing will be required, and if results are at or above the threshold (4.0 picoCuries per liter), the system shall be converted from a passive system to an active recovery system pursuant to ASTM E1465-08a.

Standard Mitigation

Project personnel shall be notified, both verbally and through notations on the final construction drawings, that work shall be halted if indicators of contamination (fill

other than "clean hard fill," discolored soils or chemical/petroleum odors) are identified during construction to allow for a qualified environmental professional to inspect the site and make recommendations regarding appropriate actions.

2.14 Environmental Justice

Statutes, Executive Orders, and Regulations listed at 24 CFR 58.5	Compliance Required?
Executive Order 12898	No

According to the U.S. EPA EJSCREEN Report, the area within a one (1)-mile radius of the subject property is moderately low income (42%). The report indicates the project area has a demographic index of 39%, which is higher than the state average (28%). Based on this environmental review, no adverse environmental impacts are anticipated; therefore, the project will not result in a disproportionate adverse environmental impact on minority or low-income populations. In addition, the proposed project consists of new construction of a property consisting of a basketball court, volleyball court and a playground.; therefore, no displacement will occur. The new housing complex is intended to enhance the quality of life for new and existing residents and the community.

A copy of the EJSCREEN report is included in **Appendix R.**

3.0 ENVIRONMENTAL ASSESSMENT CHECKLIST

The environmental assessment checklist includes a detailed analysis of the Environmental Assessment Factors [24 CFR 58.40; Ref. 40 CFR 1508.8 &1508.27]. For each factor, determinations have been made relating to potential impacts, needed study, and mitigation or modification. Where applicable, the necessary reviews or consultations have been completed and source documentation is provided in the narrative. Supporting documentation is included in appendices, when appropriate.

Impact Codes include the following options: Minor Beneficial Impact; No Impact Anticipated; Minor Adverse Impact; Significant Impact; and/or Requires Mitigation.

3.1 Land Development

Impact Category	Impact Code
Conformance with Plans / Compatible Land Use and Zoning / Scale and Urban Design	No Impact Anticipated

Impact Category	Impact Code
Soil Suitability / Slope / Erosion / Drainage / Storm Water Runoff	No Impact Anticipated

Impact Category	Impact Code
Hazards and Nuisances Including Site Safety and Noise	No Impact Anticipated

Impact Category	Impact Code
Energy Consumption	No Impact Anticipated

Conformance with Plans / Compatible Land Use and Zoning / Scale and Urban Design

According to Zoning Verification Letter for West Fork Apartments dated August 10, 2023, the subject property is currently zoned Apartment Residential Zoning District (ARLD), and the proposed multi-family development is permissible. A copy of the zoning letter is provided in **Appendix S**.

Site-Specific Mitigation*:*

- **The project shall obtain all required approvals/permits including building, HVAC, electrical, and plumbing permits from the City of Columbus.**

Soil Suitability / Slope / Erosion / Drainage / Storm Water Runoff

According to the USDA Natural Resources Conservation Service (NRCS) Web Soil Survey, the subject property soils located in the area of development are comprised of Celina-Urban land complex and Crosby-Urban land complex, which are not rated for commercial construction. A Geotechnical Investigation Report was completed on September 18, 2021 by SME. The report outlines geotechnical recommendations and construction considerations for the project. According to the topographic map for the subject property, steep slopes are located on the southern portion of the subject property. According to architectural plans, retaining walls are planned to in the areas of steep slopes. Additional fencing will keep occupants from entering the areas of the retaining walls.

A copy of the geotechnical survey is provided in **Appendix T**.

The project shall submit a Notice of Intent (NOI) to the OEPA for a National Pollutant Discharge Elimination System (NPDES) General Storm Water Permit for construction activities. Under this permit, the Contractor will be required to undertake mitigation measures to control erosion and sedimentation during construction.

Site-Specific Mitigation:

- **Recommendations of the September 18, 2023 Geotechnical Investigation Report prepared by SME shall be incorporated into the construction of the project.**

Standard Mitigation:
Unless the project provides documentation that it is exempt, a site-specific Storm Water Pollution Prevention Plan (SWPPP) must be developed in accordance with the NPDES Construction Storm Water Permit, which will detail the appropriate best management practices to control erosion until final site stabilization is achieved. In accordance with the construction storm water permit, site inspections must be conducted at least every 7 days and within 24 hours after a significant rain event. During the site inspections, erosion control measures should be observed to ensure they are functioning correctly. If the project is exempt from construction storm water permitting, no SWPPP is required but the Contractor must follow storm water management best practices during construction to prevent erosion and siltation of runoff from any excavated or exposed soils.

Hazards and Nuisances Including Site Safety and Noise

Site Safety
The contractor will follow Occupational Safety and Health Administration (OSHA) guidelines during construction activities to ensure worker and public safety. This will include safety equipment to be worn by workers and barriers to public access.

Noise
Construction activities will result in a temporary increase in area noise levels, and should be avoided during the designated noise sensitive period (10:00 p.m. to 7:00 a.m.). Noise sources in the vicinity of the subject property will be mitigated to achieve an internal noise level of less than 45 dB.

Traffic and Security
The subject property is located in an area of residential development and wooded undeveloped land. Twin Creeks Drive, a two-lane roadway with light traffic borders the subject property to the north. The multi-family apartment buildings will be equipped with cameras for enhanced security.

Other Nuisances
No high-voltage power transmission lines or other nuisances were noted in the vicinity of the subject property during the subject property inspection. The Ohio Department of Natural Resources (ODNR) Oil and Gas Well Map did not indicate any wells in the vicinity of the subject property. A review of the NPMS did not identify any liquid or gas transmission lines in the vicinity of the subject property. The closest liquid or gas transmission lines is located approximately 2,169-feet southwest of the subject property.

Standard Mitigations:

- The Property Manager shall notify prospective tenants that the units were constructed as part of a federally funded project and that an environmental review of the project was completed as required under the National Environmental Policy Act. The Property Manager shall advise tenants that the review will be maintained on file by the Project Sponsor throughout the tax credit period and is available for review by the prospective tenants.
- The Project will follow Occupational Safety and Health Administration (OSHA) recommendations and guidelines during construction activities to ensure worker and public safety. This will include safety equipment to be worn by workers and barriers to public access.
- Prior to move-in, management shall advise tenants, in person, of safety precautions, including use of locks and other safety features, 911 emergency service, and available neighborhood watch programs.
- A spill response kit should be present on the subject property during construction activities and chemical storage on-site should be minimized.

Energy Consumption

Project Construction

The project will require consumption of energy for power tools used in the construction activities; however, the project will not create a significant increase in energy consumption.

Post Construction

The building will have Energy Star rated appliances, HVAC systems, and lighting. Due to the scale of the project, the project is not anticipated to have a significant impact on energy consumption.

3.2 Socioeconomic

Impact Category	Impact Code
Employment and Income	No Impact Anticipated

Impact Category	Impact Code
Demographic Character Changes, Displacement	No Impact Anticipated

Employment and Income

The subject property is located in the City of Columbus where numerous employment opportunities exist. Some major employers in the area include The Ohio State

University, State of Ohio, JP Morgan Chase & Co, Kroger Co., Nationwide Children's Hospital, and Amazon. The project is not anticipated to have a significant impact on the area employment or income.

Demographic Character Changes, Displacement

The subject property is currently undeveloped; therefore, no displacement will occur. No significant growth is anticipated during the construction of the project. Due to the limited size of the project, no significant population increase or character change is anticipated for the project area as a result of the project.

3.3 Community Facilities and Services

Impact Category	Impact Code
Educational and Cultural Facilities	No Impact Anticipated

Impact Category	Impact Code
Commercial Facilities	No Impact Anticipated

Impact Category	Impact Code
Health Care and Social Services	No Impact Anticipated

Impact Category	Impact Code
Solid Waste Disposal / Recycling	No Impact Anticipated

Impact Category	Impact Code
Waste Water / Sanitary Sewers	No Impact Anticipated

Impact Category	Impact Code
Water Supply	No Impact Anticipated

Impact Category	Impact Code
Public Safety - Police, Fire and Emergency Medical	No Impact Anticipated

Impact Category	Impact Code
Parks, Open Space and Recreation	No Impact Anticipated

Impact Category	Impact Code
Transportation and Accessibility	No Impact Anticipated

Educational and Cultural Facilities

The City of Columbus has adequate access to educational and cultural facilities. School-age children living at the West Fork Apartments would attend Prairie Lincoln Elementary (kindergarten-fourth grade), Galloway Ridge Intermediate (fifth and sixth

grades), Norton Middle School (seventh and eighth grades), and Westland High School. Transportation services will be provided. The subject property is also in close proximity to the Southwest Public Library and several places of worship.

Commercial Facilities

Adequate commercial facilities are located within a 3-mile radius of the subject property, including restaurants, filling stations, grocery stores, pharmacies, banks, and department stores. The project will add residents to the area which will benefit the surrounding commercial establishments. The project is not expected to negatively impact existing commercial facilities that are located in the project area.

Health Care and Social Services

Health care services are located within the City of Columbus which have adequate access and capacity for the project.

Solid Waste Disposal/Recycling

The subject property will be serviced by a private trash collection company. Adequate solid waste disposal and recycling services are provided within the City of Columbus.

Waste Water / Sanitary Sewers

During construction activities, the project will require limited use of water. Two (2) streams were observed on the southern and eastern portions of the subject property. No dredging, filling, or disposal of dredged materials will occur to the waterways as a result of the proposed activities. The City of Columbus will provide sanitary sewer service to the subject property. According to a letter from the Division of Sewerage and Drainage, the proposed project is not anticipated to overburden the sanitary sewer system.

A copy of the Sanitary Sewer Supply Letter is included in **Appendix U.**

Water Supply

The City of Columbus will provide drinking water to the subject property. The City of Columbus Department of Public Utilities stated in a September 13, 2023 letter that the subject property parcels do not have frontage to a public water main. A private easement will be required to obtain water service from the closest public water main. According to the 2023 Consumer Confidence Report (CCR) for the City of Columbus, no water quality violations were reported. Due to the size of the project, the proposed project is not anticipated to have a negative effect on the water supply.

A copy of the CCR and the Water Supply Letter is included in **Appendix V**.

Public Safety - Police, Fire and Emergency Medical

OhioHealth Doctors Hospital and Emergency Room is located 4.7 miles southwest of the subject property. The Valleyview Police and Columbus Fire Departments operate stations approximately 2-miles from the subject property. According to the Market Study, the subject property area is located in a moderately high crime risk; however, on-site management and surveillance systems will enhance the perception of safety. Due to the size of the project, the project is not anticipated to pose a negative burden on emergency services.

Parks, Open Space and Recreation

The proposed West Fork Apartments includes the development of the a playground, dog park, and entertainment pavilion. In addition, Redick Park is located approximately 0.25-mile east of the subject property. In addition, the Hill Top YMCA is located 1.5 miles southeast of the subject property. The project will not significantly impact the availability of existing recreational facilities.

Transportation and Accessibility

The project Site has convenient access to highways. Due to the size of the project, the project is not anticipated to pose a negative burden on traffic in the project area. In addition, the Central Ohio Transit Authority (COTA) runs along North Wilson Road, located approximately 0.15-mile southwest of the subject property. COTA provides safe and affordable transportation throughout central Ohio.

3.4 Natural Features

Impact Category	Impact Code
Unique Natural Features, Water Resources	No Impact Anticipated

Impact Category	Impact Code
Vegetation and Wildlife	No Impact Anticipated

Unique Natural Features, Water Resources

The existing natural landscape on the subject property is not unique; however, two (2) streams are located on the southern and eastern portions of the subject property. According to the proposed plans, the streams will not be adversely affected. Drinking water and sanitary services will be provided by the municipality; therefore, no adverse impacts to water resources or groundwater are anticipated.

Vegetation and Wildlife

Per correspondence with the USFWS, no adverse impact to vegetation or wildlife is anticipated.

4.0 24 CFR SECTION 58.6 REQUIREMENTS

4.1 Airport Runway Clear Zones and Clear Zones Notification

[24 C.F.R. Part 51.303(a)(3)]

Does the project involve the sale or acquisition of property located within a Civil Airport Runway Clear Zone or a Military Airfield Clear Zone?

No __X__ Attach Source Document (project complies with 24 CFR 51.303(a)(3).)

The closest airport is the Darby Dan Airport located approximately 5.6-miles southwest of the subject property. An airport location map is included in **Appendix O**.

Yes ____ Notice must be provided to buyer. The notice must advise the buyer that the property is in a Runway Clear Zone or Clear Zone, what the implications of such a location are, and that there is a possibility that the property may, at a later date, be acquired by the airport operator. The buyer must sign a statement acknowledging receipt of this information. (for a sample notice, see the HUD Exchange) (attach a copy of the signed notice)

4.2 Coastal Barrier Resources Act

[Coastal Barrier Improvement Act of 1990 (16 U.S.C. 3501]

Is the project located in a coastal barrier resource area?

No __X__ Cite or attach source Document.

A copy of the Coastal Barrier Resources System map is included in **Appendix W**.

Yes ____ Federal assistance may not be used in such an area.

4.3 Flood Disaster Protection Act

[Flood Disaster Protection Act of 1973, as amended (42 U.S.C. 4001-4128)] Does the project involve acquisition, construction or rehabilitation of structures located in a FEMA-identified Special Flood Hazard Area?

No __X__ Attach copy of Flood Insurance Rate Map (FIRM)

Although the southern and eastern portions of the subject property are within a Special Flood Hazard Area, the proposed development will be constructed outside of the Special Flood Hazard Area. The housing and associated features (parking lots, dumpsters, etc.) will be located in an area of minimal flood hazard.

Yes ____ Attach a copy of the FIRM.

A copy of the FIRM is included in **Appendix F**.

5.0 STATEMENT OF PROCESS AND STATUS OF ENVIRONMENTAL ANALYSIS

This project is funded in part with federal HOME funds, which require the preparation of an environmental review record, consistent with the requirements of Title 24 of the Code of Federal Regulations (CFR) Part 58. No public hearings are required for the financial assistance and none are anticipated.

The HOME funds have been awarded to a non-governmental entity, and 24 CFR Part 58 does not authorize the State to pass its environmental review responsibilities to non-governmental entities. Therefore, ODOD is responsible for conducting the environmental review, decision-making, and actions. In order to formally adopt and accept the conclusions of the ERR, the certifying officers for ODOD shall sign the ERR and make a Finding of No Significant Impact (FONSI) after reviewing and approving the final ERR.

ODOD will prepare a Notice to Public of a FONSI and Notice of Intent to Request Release of Funds (NOI/RROF) that identifies ODOD as responsible entities for their respective HOME funds. ODOD will submit a Request for Release of Funds (HUD 7015.15) documents to the U.S. Department of Housing and Urban Development.

This environmental review was completed on July 26, 2024. Ms. Lydia L. Mihalik, Director of the ODOD, is the certifying officer for ODOD. The certifying officer assumes responsibilities for the accuracy and completeness of the record. The Community Services Division administers the HOME funds for ODOD. The record is a public record and is open for review. The record for this project is available for review at two (2) locations:

Location #1	Location #2
Ohio Department of Development Community Services Division Training and Technical Assistance Section 77 South High Street, 26th Floor	Whispering Creek Apartments Club House and Leasing Office 2960 Gooden Way Columbus, Ohio 43204

Location #1	Location #2
Columbus, Ohio 43215 Phone: (614) 466-2285 Hours: 8:00 a.m. - 5:00 p.m.	Phone: (833) 493-2583 Hours: Monday, Tuesday, Thursday, and Friday 10:00 a.m. - 5:00 p.m. Wednesday 1:00 p.m. - 5:00 p.m.

ODOD is making this record and its documentation available for public review and comment by advertising in The Columbus Dispatch (contact: (614) 583-5798; legaladvertising@dispatch.com). ODOD plan to publish a combined Notice to the Public of a Finding of No Significant Impact (FONSI) on the environment and a Notice of Intent to Request a Release of Funds (NOI/RROF) on or about _____.

ODOD will receive comments and objections until (approximately) _____. Any comments received will be evaluated and incorporated in the record, as appropriate. On or about _____, ODOD will submit to its grantor agency, the U.S. Department of Housing and Urban Development (HUD), a Request for Release of Funds (RROF). (HUD-Columbus, 200 North High Street, Columbus, Ohio 43215.) Upon receipt of the RROF, HUD will wait 15 calendar days to receive any objections to the release of funds. Any objections will be responded to by ODOD to the satisfaction of HUD.

The effect of HUD releasing funds is that ODOD (and the non-governmental agency) may then (and then only) obligate any of the project funds (private and public). OHFA is responsible for monitoring the implementation of the project in conjunction with findings and mitigation measures identified in this record.

6.0 DESCRIPTION OF THE SITE AND ENVIRONMENT CONTEXT

The subject property location proposed for the West Fork Apartments project is a largely vacant parcel consisting of a tennis court, volleyball court, and playground located at 3400 Twin Creeks Drive, Columbus, Franklin County, OH. The project is located within 5-miles of downtown Columbus, and is adjacent to the COTA bus line. The proposed subject property is in an area of mixed residential and commercial development. The proposed location has good visibility and will provide a quiet setting. Surrounding properties consist of residential apartments to the north and west; storage units to the southwest; single family residential dwellings to the south and undeveloped wooded areas to the east. The scale and design of the development is compatible with the surrounding area.

No impact to historic properties or agricultural sites were identified. Commercial facilities, utilities, and municipal services are available for the area and are not anticipated to be adversely impacted. A Phase I ESA and Phase II Subsurface Investigation did not identify any hazardous material or contamination concerns for the subject property. The subject property is zoned Apartment Residential Zoning District (ARLD) which is appropriate for the proposed development. The project will implement seasonal clearing restrictions, (trees that are greater than or equal to 3-inches in diameter at breast height can only be cleared from October 1 through March 31) to minimize potential impacts to the federally endangered Indiana bat and federally threatened Northern Long-eared Bat. The southern and eastern subject property boundaries are within a 100-year floodplain which will not be impacted by the proposed development. The finished elevation of the apartment building will be at least 1-foot above the 100-year floodplain level.

7.0 ANALYSIS OF ALTERNATIVES

The following alternatives were considered for the West Park Apartments residential development:

- Option 1: Private Development. Using private funds for development of the West Park Apartments housing project is not economically feasible considering current rates within the target area.
- Option 2: No Action. The no action alternative would fail to address the need for affordable housing in the area. Because no adverse impacts have been identified, the alternative of No Action is not reasonable.
- Option 3: West Park Apartments development. The proposed project will address the need for affordable housing in the area.

8.0 ANALYSIS OF IMPACTS AND MITIGATION ACTIONS

The Standard Mitigations were reviewed by Erika Scott, Vice President of Development with Kittle Properties, and approved on March 30, 2024. A signed agreement is included in **Appendix X.**

Site-Specific Mitigation:

- Per USFWS recommendations to minimize impacts to the federally endangered Indiana Bat and federally threatened Northern Long-eared Bat, trees that are greater than or equal to 3-inches in diameter at breast height can only be cleared from October 1 through March 31.
- A passive radon systems (per ASTM E1465-08a) will be incorporated into the construction of the subject property buildings. Post-construction testing in

accordance with ANSI-AARST MAMF-2010 will be required. The threshold for unacceptability is 4.0 picocuries per liter (4.0 pCi/L). If testing results are at or above the threshold, conversion from a passive system to an active recovery system pursuant to ASTM E1465-08a will be required.

- The Site soils were classified as "not rated" for commercial construction. A Geotechnical Investigation Report was completed by SME Environmental (SME) on September 18, 2024. The report outlines geotechnical recommendations and construction considerations for the project. Recommendations of the report shall be incorporated into the construction of the project.
- The project shall obtain all required approvals/permits.
-

Standard Mitigation:

- Any proposed changes to the project must be conveyed to ODOD promptly. The Environmental Review must be reevaluated by ODOD prior to initiation of any proposed changes.
- If an additional phase or affiliated project is proposed by a member of the current project team, this additional work must be coordinated with SHPO, prior to initiation and regardless of funding source.
- Project personnel shall be notified, both verbally and through notations on the final construction drawings, that work shall be halted and ODOD and OHFA notified immediately if archaeological remains are discovered during construction to allow for coordination with SHPO regarding appropriate actions.
- Best Management Practices and Reasonably Available Control Measures [OAC Rule 3745-17-08(B)] shall be employed by the Contractor to control fugitive dusts during construction activities.
- Construction drawings/specifications shall be modified to include the following statement: "The Contractor shall at no time incorporate any materials that are composed of or contain any amount of asbestos. The substitution of materials that contain any amount of asbestos will in no circumstances be acceptable. Upon completion of the project, the Contractor and Project Architect shall submit written statements or certifications asserting that no asbestos containing materials were specified in any portion of the construction."
- Noise-producing construction activities should be avoided during the designated noise-sensitive period (10:00 p.m. to 7:00 a.m.).
- Project personnel shall be notified, both verbally and through notations on the final construction drawings, that work shall be halted if indicators of contamination (fill other than "clean hard fill," discolored soils or chemical/petroleum odors) are identified during construction to allow for a

qualified environmental professional to inspect the Site and make recommendations regarding appropriate actions.

- Unless the project provides documentation that it is exempt, a Site-specific Storm Water Pollution Prevention Plan (SWPPP) must be developed in accordance with the NPDES Construction Storm Water Permit, which will detail the appropriate Best Management Practices to control erosion until final Site stabilization is achieved. In accordance with the construction storm water permit, site inspections must be conducted at least every 7 days and within 24 hours after a significant rain event. During the site inspections, erosion control measures should be observed to ensure they are functioning correctly. If the project is exempt from construction storm water permitting, no SWPPP is required but the Contractor must follow storm water management best practices during construction to prevent erosion and siltation of runoff from any excavated or exposed soils.
- The Project Sponsor/Project Developer shall ensure that contractors arrange for proper disposal at appropriately-licensed facilities of all solid and/or hazardous waste generated by the construction, as well as any materials that are currently dumped on the property. The Property Manager will contract with a public or private hauler for removal of waste generated by the occupant households, or will ensure that residents have arranged for trash removal with the local service provider. For elderly residents, the Property Manager shall ensure that trash removal is arranged for residents who are not physically capable of removing their household wastes.
- The Property Manager shall notify prospective tenants that the units were constructed as part of a federally funded project and that an environmental review of the project was completed as required under the National Environmental Policy Act. The Property Manager shall advise tenants that the review will be maintained on file by the Project Sponsor throughout the tax credit period and is available for review by the prospective tenants.
- The Project will follow Occupational Safety and Health Administration (OSHA) recommendations and guidelines during construction activities to ensure worker and public safety. This will include safety equipment to be worn by workers and barriers to public access.
- Prior to move-in, management shall advise tenants, in person, of safety precautions, including use of locks and other safety features, 911 emergency service, and available neighborhood watch programs.
- All units shall be equipped with air conditioning systems.
- A spill response kit should be present on the subject property during construction activities and chemical storage on-Site should be minimized.

9.0 MONITORING AND ENFORCEMENT PROCEDURES

The Project Sponsor is responsible for monitoring the project to ensure that mitigation measures identified in this report are implemented. Procedures for implementing the mitigation measures are described below. OHFA staff will monitor the project sponsor for compliance with these responsibilities.

- Written documentation of the radon testing, and activation of the radon system, if necessary, shall be provided by the Project Sponsor to ODOD and kept on file with the record.
- The Project Sponsor / Developer shall ensure that the recommendations of the Subsurface Exploration and Geotechnical Engineering Report be incorporated into the construction of the project and that all recommendations are followed.
- Documentation that the required approvals / permits have been obtained should be kept on file with the record.
- The Project Sponsor / Project Developer must maintain documentation in the record that any changes to the project have been reevaluated by ODOD.
- The Project Sponsor / Project Developer must maintain documentation in the record that any additional phases to the project have been reevaluated by SHPO.
- The Project Sponsor / Project Developer must maintain documentation in the record that notification with SHPO, and ODOD is conducted for archaeological remains discovered during construction.
- There should be no visible dust emitted from the project activities. Written documentation of notification and compliance shall be provided to the ODOD and OHFA and kept on file with the record.
- The Project Sponsor / Developer shall ensure that the drawings / specifications include the required statement regarding asbestos. Copies of the certifications from the Contractor and Project Architect shall be provided to the Property Manager, ODSA and OHFA and kept on file with the record.
- Contractors should be instructed to minimize noise. If complaints are received or noise-producing activity is noted during the designated noise-sensitive period, response action should be taken immediately. Documentation of notification must be maintained on file with the record and provided to the Project Sponsor, ODOD, and OHFA.
- The Project Sponsor / Developer shall maintain documentation of contractor notification and shall ensure that notations are included on construction drawings.

- The Project Sponsor / Developer shall notify ODOD and OHFA promptly if suspected contamination is identified on any of the project site. If suspect contamination is identified, no site development activities are to occur until testing and/or remedial actions have been concluded to the satisfaction of ODSA, and OHFA. Documentation must be maintained with the record and provided to ODOD, and OHFA.
- The Storm Water Pollution Prevention Plan must be available at the subject property at all times during construction activities and available for review by ODOD and OHFA, or OEPA personnel upon request. Written documentation of the site inspections are to be maintained in the Storm Water Pollution Prevention Plan. Any corrections needed to address deficiencies identified during the site inspections must be implemented in a timely manner.
- Regular inspection of the project site is recommended. Waste should be accumulated in appropriate containers and removed from the subject proeprty regularly. If debris is accumulating at the subject property, the contractor should be instructed to have it removed. The Project Manager shall maintain records verifying use of a solid waste company that utilizes a licensed facility. The Project Sponsor shall confirm that residents have been screened to determine if assistance is required for trash removal. Written records must be maintained.
- The Project Sponsor shall ensure that, prior to lease signing, prospective tenants are notified that an environmental review was prepared and is available for review. If the offices of the Project Sponsor are located outside of the community in which the unit is located, the Project Sponsor shall ensure that a complete copy of the environmental review is provided directly to a prospective tenant desiring to review the document.
- Work should be halted if violations of OSHA regulations and guidelines are noted and the Contractor should be required to correct the deficiency before work can resume.
- Evidence of notification shall be maintained by the Property Manager. Information regarding safety features shall be included in the New Tenant Package.
- The Project Sponsor shall confirm the presence of air conditioning systems prior to the release of the contractor. Written documentation must be maintained.
- The presence of a spill response kit should be verified during site inspections.

10.0 LIST OF SOURCES, AGENCIES, AND PERSONS CONSULTED

Affordable Housing Funding Application (AHFA) for the West Fork project. September 2023.

Biehls, Stephen. State Historic Preservation Office (SHPO) consultation June 27, 2024.

Clean Air Act. National Ambient Air Quality Standards (NAAQS). Counties Designated "Nonattainment" map dated January 31, 2024.

Drinking Water Consumer Confidence Report. (2022). City of Columbus, Ohio.

Federal Emergency Management Agency (FEMA). Flood Insurance Rate Map (FIRM). City of Columbus, Ohio. Map Numbers 39049C0302K and 39049C0301K. Effective June 17, 2008.

Geotechnical Evaluation Report for West Fork Apartments. (2024, September 18). SME.

Kittle Property Group Inc. Architectural Plans of West Fork. September 2023.

Knoll, Erin. USFWS Section 7 Consultation. April 18, 2024.

Limited Phase II Environmental Site Assessment of Undeveloped Grass-covered and Wooded Land (2023, March 13). SME.

National Wild and Scenic Rivers System. Ohio Wild & Scenic Rivers map. https://www.rivers.gov/ohio.php

Natural Resources Conservation Service (NRCS) Web Soil Survey. Map of soil types, ratings for hydric soil, farmland classification, and ratings for small commercial building development. https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm

ODNR Division of Oil and Gas Resources Management. Oil and Gas Well Locator. https://gis.ohiodnr.gov/MapViewer/?config=oilgaswells

Ohio Environmental Protection Agency (OEPA). Division of Drinking and Ground Waters. Sole Source Aquifers. https://epa.maps.arcgis.com/apps/webappviewer/index.html?id=9ebb047ba3ec41ada1877155fe31356b

ODNR Office of Coastal Management. Ohio Coastal Atlas Map Viewer. https://gis.ohiodnr.gov/MapViewer/?config=interactiveatlas

ODNR State Parks & Watercraft. Map of Ohio Scenic Rivers. Accessed on February 21, 2024 from https://ohiodnr.gov/discover-and-learn/safety-conservation/about-ODNR/nature-preserves/scenic-rivers/list-ohio-scenic-rivers

Ohio Department of Transportation. (2024). Transportation Data Management System. Accessed on February 23, 2024 from https://odot.public.ms2soft.com/tcds/tsearch.asp?loc=odot

Phase I Environmental Site Assessment of Tennis Courts, and Grass-Covered and Wooded Land (2023, August 11). SME.

U.S. Census Bureau. Map of Urban Areas. https://tigerweb.geo.census.gov/tigerweb

U.S. Department of Transportation (USDOT). Federal Aviation Administration. Airport Master Record for Rickenbacker International Airport. Accessed on February 27, 2024 from https://www.airportiq5010.com/5010Web/dashboard/general

U.S. Department of Transportation - Federal Railroad Administration. Safety Map. https://fragis.fra.dot.gov/GISFRASafety/

USDOT National Pipeline Mapping System. Public Map Viewer. https://pvnpms.phmsa.dot.gov/PublicViewer/

United States Environmental Protection Agency (USEPA). EJSCREEN. https://www.epa.gov/ejscreen

USEPA. Map of Radon Zones. https://www.epa.gov/sites/production/files/2014-08/documents/ohio.pdf

USFWS Coastal Barrier Resources System Mapper. https://www.fws.gov/cbra/maps/Mapper.html

USFWS National Wetlands Inventory (NWI) mapper. https://www.fws.gov/wetlands/data/mapper.html

USFWS Ohio County Distribution of Endangered Species. https://www.fws.gov/midwest/endangered/lists/ohio-cty.html

Vogt Strategic Insights. Market Feasibility Analysis of West Fork. Revised July 21, 2023.

11.0 LIST OF SITE VISITS AND IMPORTANT MEETINGS

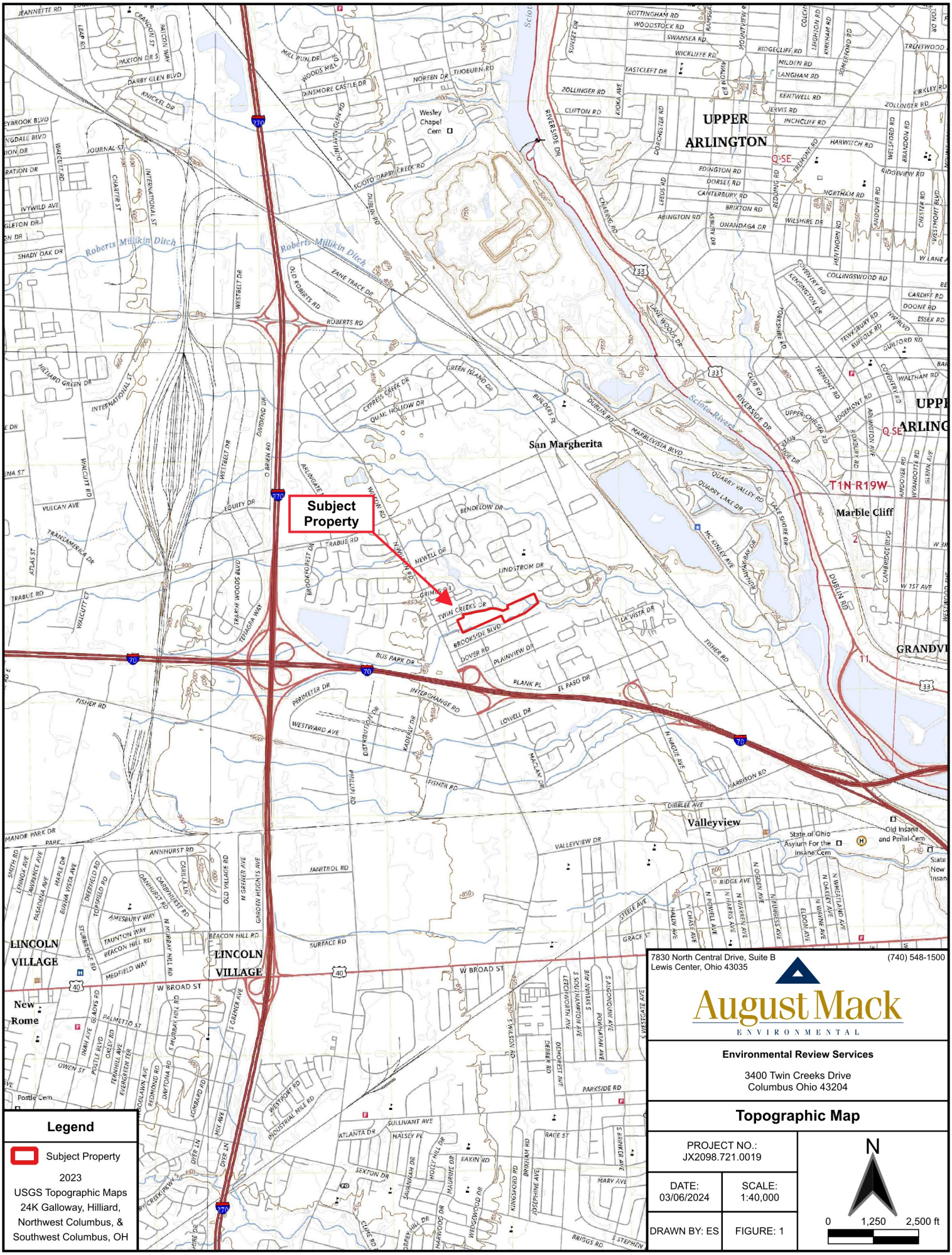
Date	Participants	Description
March 6, 2024	Mr. Devin Starr with August Mack Environmental	Site Inspection of West Fork Apartments

12.0 PARTICIPANTS IN THE REVIEW

Name	Title	Organization
Devin Starr	Due Diligence Manager	August Mack Environmental, Inc.
Shannon Landrum	Practice Leader	August Mack Environmental, Inc.
Erika Scott	Vice President of Development	Kittle Property Group, Inc.
Jeff Kittle	President	Kittle Property Group, Inc.

Appendix A -

Location Map



Legend

Subject Property

2023 USGS Topographic Maps 24K Galloway, Hilliard, Northwest Columbus, & Southwest Columbus, OH

7830 North Central Drive, Suite B
Lewis Center, Ohio 43035
(740) 548-1500

August Mack ENVIRONMENTAL

Environmental Review Services

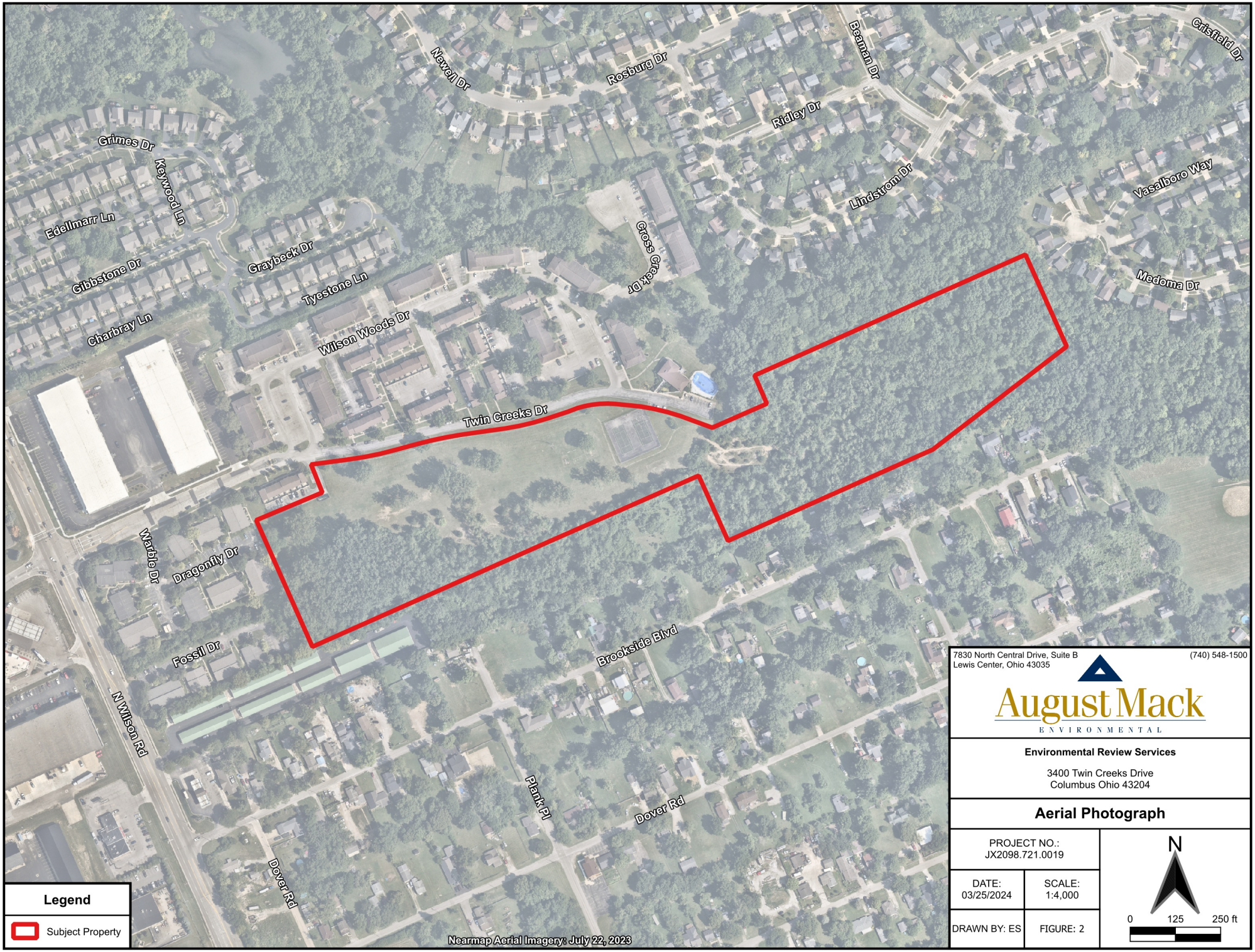
3400 Twin Creeks Drive
Columbus Ohio 43204

Topographic Map

PROJECT NO.: JX2098.721.0019	
DATE: 03/06/2024	SCALE: 1:40,000
DRAWN BY: ES	FIGURE: 1

N

0 1,250 2,500 ft



7830 North Central Drive, Suite B
Lewis Center, Ohio 43035
(740) 548-1500

August Mack
ENVIRONMENTAL

Environmental Review Services

3400 Twin Creeks Drive
Columbus Ohio 43204

Aerial Photograph

PROJECT NO.: JX2098.721.0019	
DATE: 03/25/2024	SCALE: 1:4,000
DRAWN BY: ES	FIGURE: 2

N

0 125 250 ft

August Mack
ENVIRONMENTAL

Aerial Map – Photo Key
West Fork Apartments
Columbus, Franklin County, Ohio

PROJECT NO.: JX2098.721.0019

Project Site

N

Appendix B -

Site Photographs

Photo 1- Overview of the subject property from the north, looking southwest

Photo 2- Overview of the subject property from the north, looking west

Photo 3- Overview of the subject property from the north, looking southeast

Photo 4- View of brick and asphalt piles located on the north central portion of the subject property

Photo 5- Overview of the subject property from the central portion, looking northeast

Photo 6- Typical view of the northwest portion of the subject property

Photo 7- View of stream located on the northeast portion of the subject property

Photo 8- Overview of the subject property from the northwest, looking north

Photo 9- Overview of the subject property from the east, looking northeast

Photo 10- Overview of the subject property from the east, looking southeast

Photo 11- Overview of the subject property from the southeast, looking northeast

Photo 12- View of stream located on the southeast portion of the subject property

Photo 13- Overview of the subject property from the southeast, looking southwest

Photo 14- Overview of the subject property from the southeast, looking northwest

Photo 15- Overview of the subject property from the south, looking south

Photo 16- Overview of the subject property from the south, looking north

Photo 17- View of volleyball court located on the central portion of the subject property

Photo 18- View of tennis court located on the central portion of the subject property

Photo 19- Overview of the subject property from the south central portion, looking southwest

Photo 20- Overview of the subject property from the south central portion, looking northwest

Photo 21- Overview of the subject property from the south central, northeast

Photo 22- Overview of the subject property from the south central portion, looking south

Photo 23- View of stream located on the southwest portion of the subject property

Photo 24- View of discarded concrete pipes located on the southwest portion of the subject property

Photo 25- View of discarded tires located on the southwest portion of the subject property

Photo 26- Overview of the subject property from the southwest, looking northwest

Photo 27- Overview of the subject property from the southeast, looking north

Photo 28- Overview of the subject property from the southeast, looking northeast

Photo 29- Overview of the subject property from the southeast, looking south

Photo 30- Overview of the subject property from the west, looking east

Photo 31- Overview of the subject property from the northwest, looking south

Photo 32- Overview of the subject property from the northwest, looking southeast

Photo 33- View of playground located on the central portion of the subject property

Photo 34- Overview of the subject property from the north, looking southeast

Photo 35- Overview of the subject property from the north, looking south

Photo 36- Overview of the subject property from the north, looking southwest

Photo 37- View of adjoining property to the north

Photo 38- View of adjoining property to the northeast

Photo 39- View of adjoining property to the southeast

Photo 40- View of adjoining property to the west

Photo 41- View of adjoining property to the northwest

Photo 42- View of adjoining property to the north

Appendix C -

Site Plans

WEST FORK

WILSON ROAD & TWIN CREEKS DR, COLUMBUS, OH 43204

ARCHITECT

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CONTRACTOR

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Contact: Jay Kellogg
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CIVIL

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OWNER

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Contact: Jeff Kittle
email: jkittle@kittleproperties.com
Phone: 317.846.3111

STRUCTURAL

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Phone: (269) 383-3111

PURCHASING

KITTLE PROPERTY GROUP
310 East 96th Street, Suite 400
Indianapolis, Indiana 46240
Contact: Don Gee
email: dgee@kittleproperties.com
Phone: (317) 846-3111

MEP

LATIMER, SOMMERS & ASSOCIATES
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Contact: David Everhart
email: deverhart@lsapa.com
Phone: (785) 233-3232

SITE AERIAL

VICINITY MAP

BUILDING PERSPECTIVES: CLUBHOUSE

APARTMENTS BUILDINGS
6 BUILDINGS 1BR12+2BR12+3BR6+4BR6

BULDING CODE SUMMARY

Applicable Codes:	2017 Ohio Building Code* 2017 Ohio Fire Code 2017 National Electrical Code 2017 Ohio Mechanical Code 2017 Ohio Plumbing Code 2017 Ohio Energy Conservation Code *Code referenced unless otherwise noted.
Scope of Project:	The project involves a new apartment complex consisting of new 3-story apartment buildings, clubhouse, and garages.
Occupancy Classification:	Apartments - R-2 Occupancy [310.4]
Construction Type:	Type VA Construction required
Allowable Area:	Tabular Area: 12,000 sf [Table 506.2] Frontage Increase: + 9,000 sf [506.3] Allowable Area: 21,000 sf
Allowable Height:	4 stories and 60 feet based upon sprinkler increase. 3 stories actual [Table 504.3 & Table 504.4]
Building Elements:	Structural frame, bearing walls, floors, and roof are required to be of 1-hour construction. [Table 601] Nonbearing exterior walls with a fire separation distance less than 30 feet must be 1-hour rated. [Table 602] Exterior walls are permitted to rated from the inside only where having a fire separation distance exceeding 10 feet. [705.5]
Maximum Area of Exterior Wall Openings:	Unprotected Openings, Nonsprinklered - Fire Separation: < 5 feet- none permitted ≥5 < 10 feet- 10 % ≥10 < 15 feet- 15 % ≥15 < 20 feet- 25 % ≥20 < 25 feet- 45 % ≥25 < 30 feet- 70 % ≥30 feet - Unlimited [Table 705.8]
Incidental Use Separations:	None applicable to the project.
Shaft Enclosures:	Ducts penetrating rated floor assemblies permitted to connect not more than 2-stories provided a fire damper is installed in the duct at the floor line. [717.6.1] Shaft enclosures are required to be enclosed with 1-hour rated fire barriers and/or horizontal assemblies. [713.4] Openings in 1-hour shafts must be 60-minute rated, openings must be self or automatic closing. [Table 716.5, 716.5.9]
Dwelling Unit Separations:	Walls and floors between dwelling units are required to be constructed as 1-hour fire partitions and horizontal assemblies. Fire partitions must extend from the top of the foundation or floor/ceiling assembly below to the underside of the floor or roof sheathing, slab or deck above or to the fire-resistance-rated floor/ceiling or roof/ceiling assembly above. [420, 708, 711]
Draft Stops:	Required in the floor assemblies in line with each dwelling unit separation. Required in the attic to separate the space above every 2 dwelling units or 3,000 sq ft, whichever is less. [718]
Fire and Smoke Dampers:	Fire dampers are required at duct penetrations of shafts. [717.5] Ceiling radiation dampers are required at duct penetrations of 1-hour ceilings. [717.6.2]
Occupant Load Factors:	Residential: 200 sq. ft./occ. [Table 1004.1.2]
Doors:	Door width must be a minimum of 32 inches clear and 48 inches maximum. Door openings required to be accessible within Type B units must have a clear minimum width of 31.75 inches. Minimum egress width do not apply to doors within a dwelling unit not required to be a Accessible, Type A, or Type B Units. [1010.1.1, exc. 7 & 8] Egress doors are required to be side-hinged swinging type. Manually operated horizontal sliding doors are permitted for rooms or areas with an occupant load of 10 or less. [1010.1.2]
Number of Exits:	A minimum of 2 exits must be provided per story. [Table 1006.3.1]
Exit Stairs:	Stair width must be at least 44 inches wide. [1011.2] When at least two exit stair have been provided per floor the exterior exit stairs are not required to be separated from the open-ended corridors provided that the following is met: 3.1. The building, including open-ended corridors and stairways must be equipped throughout with an automatic sprinkler system. 3.2. The open-ended corridors are 0.5-hour rated fire partitions. 3.3. The open-ended corridors are connected on each end to an exterior exit stairway. 3.4. Exterior walls and openings adjacent to stairs must comply with Section 1022.7. 3.5. At any location in an open-ended corridor where a change of direction exceeding 45 degrees occurs, a clear opening of not less than 35 square feet or an exterior stairway must be provided. Where clear openings are provided, they must be located so as to minimize the accumulation of smoke or toxic gases. [1027.6, exc.3] Exterior stairways must be separated from the interior of the building by 1-hour fire barriers. Fire barriers must extend from the top of the foundation or floor/ceiling assembly below to the underside of the floor or roof sheathing, slab or deck above. [1027.6, 707.5] An exit capacity of 0.2 in/occupant must be provided for horizontal travel such as doors, ramps, etc., and 0.3 in./occupant must be provided for stairs. [1005.3] Exits must be separated by a distance not less than 1/3 the overall diagonal of the area served by the exit, measure to the closest riser. [1007.1.1]
Sprinkler System:	Automatic sprinklers are required throughout the apartment buildings. NFPA 13R system permitted for R Occupancies. Exterior balconies, decks, and ground floor patios must be sprinklered where there is a roof or deck above. [903.2.8, 903.3.1.2]
Standpipes:	Class I Standpipes not required based upon the highest floor level is located less than 30 feet above the lowest level of fire department vehicle access [905.3.1]
Fire Alarm System:	Fire alarm system is required throughout the apartment buildings. Manual pull stations are not required based upon automatic sprinkler initiation of the system. [907.2.9.1, exc. 2]
Smoke Detectors:	Single- and multiple-station smoke detectors are required within dwelling units, including within sleeping rooms [907.2.11.2]
Carbon Monoxide Alarms:	Every building having a fossil-fuel-burning heater or appliance, a fireplace, an attached garage, or other feature, fixture, or element that emits carbon monoxide as a byproduct of combustion must have an operational carbon monoxide alarm installed within 10 feet of each room used for sleeping purposes. [915.1]
Illumination of Means of Egress:	Illumination must be provided for required means of egress as well as the exit discharge that leads to a public way at all times the building space served by the means of egress is occupied. [1008.1]
Emergency Lighting:	Emergency lighting is required at exterior landings in buildings that require more than one exit, in corridors, and in rooms and spaces that require two or more means of egress. [1008.3]
Exit Signs:	Exit signs required to indicate the direction of egress travel for rooms and areas that require more than one exit access. [1013.1]

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PROJECT TITLE

WEST FORK

WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
OFHA APPLICATION	09/25/23

REVISIONS

MARK	DATE	REVISION

DO NOT SCALE PRINTS - USE FIGURES DIMENSIONS ONLY

JOB NO.

22-018

SHEET TITLE

COVER SHEET

SHEET NUMBER

G-000

T:\01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dr\7 CAD and Revit\WEST FORK GENERAL SHEETS.rvt

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BUILDING CODE SUMMARY

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SEAL

PROJECT TITLE

WEST FORK
WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
OFHA APPLICATION	09/25/23

REVISIONS

MARK	DESCRIPTION	DATE

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PROJECT NO.
22-018

SHEET TITLE
BUILDING CODE SUMMARIES

SHEET NUMBER
G-002

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RESIDENTIAL BUILDING AND UNIT MIX

BLDG NO.	BUILDING TYPE	UNITS PER BUILDING	TOTAL GROSS AREA PER BLDG.	LEVEL	UNIT AREA GROSS (SF)	NON-UNIT AREA GROSS (SF)				UNIT TYPES											
										1BR/1BATH			2BR/2BATH			3BD/2BATH			4BD/2BATH		
										1 BR	1BR ACC.	1BR A/V.	2BR	2BR ACC.	2BR AV	3 BR	3 BR - ACC	3 BR - AV	4BR	4 BR ACC.	4 BR AV.
						PATIO/ BALCONY	CIRCULATION	SUPPORT SPACE	GROSS	839	839	839	1140	1140	1140	1275	1275	1275	1548	1548	1548
									NET	749	749	749	1052	1052	1052	1187	1187	1187	1437	1437	1437
1	(1BR12+2BR12+3BR6+4BR6)	36	47996	1ST FLOOR	13563	882	1831	42		3	1		3	1		2			2		
				2ND FLOOR	13562	882	1395			4			4			2			2		
				3RD FLOOR	13562	882	1395			4			4			2			2		
				TOTAL	**40687**	**2646**	**4621**	**42**		**11**	**1**	**0**	**11**	**1**	**0**	**6**	**0**	**0**	**6**	**0**	**0**
2	(1BR12+2BR12+3BR6+4BR6)	36	47995	1ST FLOOR	13562	882	1831	42		2	1	1	3	1		1	1		1	1	
				2ND FLOOR	13562	882	1395			4			4			2			2		
				3RD FLOOR	13562	882	1395			4			4			2			2		
				TOTAL	**40686**	**2646**	**4621**	**42**		**10**	**1**	**1**	**11**	**1**	**0**	**5**	**1**	**0**	**5**	**1**	**0**
3	(1BR12+2BR12+3BR6+4BR6)	36	47995	1ST FLOOR	13562	882	1831	42		3	1	0	2	1	1	1	1		1	1	
				2ND FLOOR	13562	882	1395			4			4			2			2		
				3RD FLOOR	13562	882	1395			4			4			2			2		
				TOTAL	**40686**	**2646**	**4621**	**42**		**11**	**1**	**0**	**10**	**1**	**1**	**5**	**1**	**0**	**5**	**1**	**0**
4	(1BR12+2BR12+3BR6+4BR6)	36	47995	1ST FLOOR	13562	882	1831	42		3	1		3	1			1	1	1	1	
				2ND FLOOR	13562	882	1395			4			4			2			2		
				3RD FLOOR	13562	882	1395			4			4			2			2		
				TOTAL	**40686**	**2646**	**4621**	**42**		**11**	**1**	**0**	**11**	**1**	**0**	**4**	**1**	**1**	**5**	**1**	**0**
5	(1BR12+2BR12+3BR6+4BR6)	36	47995	1ST FLOOR	13562	882	1831	42		3	1		3	1		1	1			1	1
				2ND FLOOR	13562	882	1395			4			4			2			2		
				3RD FLOOR	13562	882	1395			4			4			2			2		
				TOTAL	**40686**	**2646**	**4621**	**42**		**11**	**1**	**0**	**11**	**1**	**0**	**5**	**1**	**0**	**4**	**1**	**1**
6	(1BR12+2BR12+3BR6+4BR6)	36	47995	1ST FLOOR	13562	882	1831	42		2	1	1	3	1		1	1		1	1	
				2ND FLOOR	13562	882	1395			4			4			2			2		
				3RD FLOOR	13562	882	1395			4			4			2			2		
				TOTAL	**40686**	**2646**	**4621**	**42**		**10**	**1**	**1**	**11**	**1**	**0**	**5**	**1**	**0**	**5**	**1**	**0**
	TOTAL BUILDING	**216**	**287971**		**244117**	**15876**	**27726**	**252**		**64**	**6**	**2**	**65**	**6**	**1**	**30**	**5**	**1**	**30**	**5**	**1**
TOTAL LOW INCOME UNIT AREA					**259993**																

COMMON BUILDING AREAS (PUBLIC)

	GROSS AREA
CLUBHOUSE (FITNESS CENTER, COMMUNITY ROOM, ACTIVITY ROOM, BUSINESS CENTER, MEETING ROOM, GAME ROOM, AMENITIES, FRONT AND BACK PORCHES (COVERED PORTIONS)	3,916
ENTERTAINMENT AREA	740
MAIL KIOSK	564
TOTAL	**5220**

GARAGES (FEE-DRIVEN GSF)

		GROSS AREA
TYPE A: 5 STANDARDD BAYS + 1 MAINTENANCE BAY	1	1,074
TYPE B: 6 STANDARD BAYS	1	1,489
TYPE C: 1 ACCESSIBLE BAY + 5 STANDADRD BAYS	4	1,495
TOTAL FREE-STANDING GARAGES FEE-DRIVEN GSF	**6**	**8543**

SUPPORT BUILDING AREA

	GROSS AREA
CLUBHOUSE CLOSING/SOCIAL SERVICE ROOM, 2 OFFICES, COPY/STORAGE, MECH/MAINT, SUPPORT LEASING	647
MAINTENANCE BAY/ OFFICE	476
RES. BLDG. SUPPORT (MECH AND RISER ROOMS)	3708
TOTAL	**4831**

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SEAL

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REVISIONS

MARK	DESCRIPTION	DATE

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PROJECT NO.
22-018

SHEET TITLE
BUILDING TABULATION

SHEET NUMBER
G-003

T:\01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dr\7 CAD and Revit\BUIDLING 4BR6+2BR18+1BR12 - 9.13.23.rvt
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Current Chapter level: Bronze	Total Points: 55
Points away from: Bronze: 0, Silver: 9, Gold: 38, Emerald: 66	
Add'l pts earned above: Bronze: 5, Silver: 0, Gold: 0, Emerald: 0	
Total Chapter Points needed for: Bronze: 50, Silver: 64, Gold: 93, Emeral	
Revision Date: 2/21/2023	

NGBS GREEN
Home Innovation Research Labs

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Coding

Practice #		Chapter 5: Lot Design, Preparation, and Development	Points Available	Points Claimed	Status	Notes
500 LOT DESIGN, PREPERATION AND DEVELOPMENT						
500.0		**500.0 Intent**. This section applies to lot development for the eventual construction of residential buildings, multifamily buildings, or additions thereto that contain dwelling units or sleeping units.				
501 LOT SELECTION						
501.1		**501.1 Lot.** Lot is selected in accordance with § 501.1(1) or § 501.1(2).		10	Certified Site:	
	(1)	A lot is selected within a site certified to this Standard or equivalent	15			
	(2)	A lot is selected to minimize environmental impact by one or more of the following:				
	(a)	An infill lot is selected.	10		✓	
	(b)	A lot is selected that is a greyfield.	10			
	(c)	An EPA-recognized brownfield lot is selected.	15			
501.2		**501.2 Multi-modal transportation.** A range of multi-modal transportation choices are promoted by one or more of the following:				
	(1)	A lot is selected within one-half mile (805 m) of pedestrian access to a mass transit system	6	6	✓	5 W 5th Ave/Refugee Bus Line
	(2)	A lot is selected within five miles (8,046 m) of a mass transit station with provisions for parking.	3	0		
	(3)	Walkways, street crossings, and entrances designed to promote pedestrian activity are provided. New buildings are connected to existing sidewalks and areas of development.	5	0		
	(4)	A lot is selected within one-half mile (805 m) of six or more community resources No more than two each of the following use category can be counted toward the total: Recreation, Retail, Civic, and Services. Examples of resources in each category include, but are not limited to the following: Recreation: recreational facilities (such as pools, tennis courts, basketball courts), parks. Retail: grocery store, restaurant, retail store. Civic: post office, place of worship, community center. Services: bank, daycare center, school, medical/dental office, laundromat/dry cleaners. NOTE: List the 6 community resources in the Notes field.	4	4	✓	(2) Recreation: Park (2) Retail: Restaurant (2) Civic: Church
		OR A lot is selected within a census block group that, compared to its region, has above-average neighborhood walkability using an index within the EPA's Smart Location Database:		0		
	(a)	Walkability is within the top quartile for the region.	5			
	(b)	Walkability is within the second quartile for the region.	2			
	(5)	Bicycle use is promoted by building on a lot located within a community that has rights-of-way specifically dedicated to bicycle use in the form of paved paths or bicycle lanes, or on an infill lot located within 1/2 mile of a bicycle lane designated by the jurisdiction.	5	0		
	(6)	Dedicated bicycle parking and racks are indicated on the site plan and constructed for mixed-use and multifamily buildings:		0		
	(a)	Minimum of 1 bicycle parking space per 3 residential units	2			
	(b)	Minimum of 1 bicycle parking space per 2 residential units	4			
	(c)	Minimum of 1 bicycle parking space per 1 residential unit.	6			
	(d)	Bicycle enclosed storage is provided or parking spaces are covered or otherwise protected from the elements	2 per (a)-(c)	0		
	(7)	Select a lot in a community where there is access to shared vehicle usage such as carpool drop-off areas, car-share services, and shuttle services to mass transit. NOTE: Enter name of car sharing program.	5	0		
	(8)	Lot is within 1/2 mile walking distance of where a bike sharing program is provided. NOTE: Enter name of bike sharing program.	5	0		
502 PROJECT TEAM, MISSION STATEMENT, AND GOALS						
502.1		**502.1 Project team, mission statement, and goals.** A knowledgeable team is established and team member roles are identified with respect to green lot design, preparation, and development. The project's green goals and objectives are written into a mission statement.	4	4	✓	
503 LOT DESIGN						
503.0		**503.0 Intent.** The lot is designed to avoid detrimental environmental impacts first, to minimize any unavoidable impacts, and to mitigate for those impacts that do occur. The project is designed to minimize environmental impacts and to protect, restore, and enhance the natural features and environmental quality of the lot. **(Points awarded only if the intent of the design is implemented.)**				
503.1		**503.1 Natural resources.** Natural resources are conserved by one or more of the following:				
	(1)	A natural resources inventory is completed under the direction of a qualified professional.	5	0		
	(2)	A plan is implemented to conserve the elements identified by the natural resource inventory as high-priority resources.	6	0		
	(3)	Items listed for protection in the natural resource inventory plan are protected under the direction of a qualified professional.	4	0		
	(4)	Basic training in tree or other natural resource protection is provided for the on-site supervisor.	4	0		
	(5)	All tree pruning on-site is conducted by a certified arborist or other qualified professional.	3	0		
	(6)	Ongoing maintenance of vegetation on the lot during construction is in accordance with TCIA A300 or locally accepted best practices.	4	0		
	(7)	Where a lot adjoins a landscaped common area, a protection plan from construction activities next to the common area is implemented.	5	0		
	(8)	Developer has a plan to design and construct the lot in accordance with the International Wildland-Urban Interface Code (IWUIC). *[Only applicable where the AHJ has not declared a wildland-urban interface area, but a fire protection engineer, certified fire marshal, or other qualified party has determined and documented the site as hazarded per the IWUIC].*	6	0		
503.2		**503.2 Slope disturbance.** Slope disturbance is minimized by one or more of the following: Note: Points are only available for lots with slopes of 25% or greater.			Max Slope in Const. Zn:	
	(1)	The use of terrain adaptive architecture.	5	0		
	(2)	Hydrological/soil stability study is completed and used to guide the design of all buildings on the lot.	5	0		
	(3)	All or a percentage of driveways and parking are aligned with natural topography to reduce cut and fill.		0		
	(a)	10 percent to < 25 percent	1			
	(b)	25 percent to 75 percent	4			
	(c)	greater than 75 percent	6			
	(4)	Long-term erosion effects are reduced through the design and implementation of clustering, terracing, retaining walls, landscaping, or restabilization techniques.	6	0		
	(5)	Underground parking uses the natural slope for parking entrances.	5	0		
503.3		**503.3 Soil disturbance and erosion.** Soil disturbance and erosion are minimized by one or more of the following: (also see Section 504.3) Note: Points must be earned in 503.3 in order for points in 504.1 to be available				
	(1)	Construction activities are scheduled such that disturbed soil that is to be left unworked for more than 21 days is stabilized within 14 days..	5	0		
	(2)	At least 75% of total length of the utilities on the lot are designed to use one or more alternative means:				
	(a)	tunneling instead of trenching				
	(b)	use of smaller (low ground pressure) equipment or geomats to spread the weight of construction equipment	5	0		
	(c)	shared utility trenches or easements				
	(d)	placement of utilities under paved surfaces instead of yards				
	(3)	Limits of clearing and grading are demarcated on the lot plan.	5	5	✓	
503.4		**503.4 Stormwater Management.** The stormwater management system is designed to use low impact development/green infrastructure practices to preserve, restore or mitigate changes in site hydrology due to land disturbance and the construction of impermeable surfaces through the use of one or more of the following techniques: NOTE: For lots in a development, the points for 503.4 may be awarded for the lot when there is a community storm water management plan implemented and the builder does not violate that plan with respect to water leaving the lot.				
	(1)	A site assessment is conducted and a plan prepared and implemented that identifies important existing permeable soils, natural drainage ways and other water features, e.g., depressional storage, onsite to be preserved in order to maintain site hydrology.	7	0		
	(2)	A hydrologic analysis is conducted that results in the design of a stormwater management system that maintains the pre-development (stable, natural) runoff hydrology of the site through the development or redevelopment process. Ensure that post construction runoff rate, volume and duration do not exceed predevelopment rates, volume and duration.	10	0		
	(3)	Low Impact Development/Green infrastructure stormwater management practices to promote infiltration and evapotranspiration are used to manage rainfall on the lot and prevent the off-lot discharge of runoff from all storms up to and including the volume of following storm events:		0		
	(a)	80th percentile storm event	5			
	(b)	90th percentile storm event	8			
	(c)	95th percentile storm event	10			
	(4)	Permeable materials are used for driveways, parking areas, walkways, patios, and recreational surfaces and the like according to the following percentages:		0		
	(a)	10 percent to less than 25 percent (add 2 points for use of vegetative paving system)	5			
	(b)	25-50 percent (add 4 points for use of vegetative paving system)	8			
	(c)	Greater than 50 percent (add 6 points for use of vegetative paving system)	10			
		[Points for vegetative paving systems are only awarded for locations receiving more than 20 inches per year of annual average precipitation]	0	0		
	(5)	Complete gutter and downspout system directs storm water away from foundation to vegetated landscape area, a raingarden, or catchment system that provides for water infiltration.	3	0		
503.5		**503.5 Landscape plan.** A plan for the lot is developed to limit water and energy use while preserving or enhancing the natural environment. (Where "front" only or "rear" only plan is implemented, only half of the points (rounding down to a whole number) are awarded for Items (1)-(9))			full	
	(1)	A plan is formulated and implemented that protects, restores, or enhances natural vegetation on the lot.		0		
	(a)	100 percent of the natural area	4			
	(b)	50 percent of the natural area	3			
	(c)	25 percent of the natural area	2			
	(d)	12 percent of the natural area	1			
	(2)	Non-invasive vegetation that is native or regionally appropriate for local growing conditions is selected to promote biodiversity.	7	7	✓	
	(3)	To improve pollinator habitat, at least 10 percent of planted areas are composed of native or regionally appropriate flowering and nectar producing plant species. Invasive plant species shall not be utilized.	3	0		
	(4)	EPA WaterSense Water Budget Tool or equivalent is used when implementing the site vegetative design.	5	0		
	(5)	Where turf is being planted, Turfgrass Water Conservation Alliance (TWCA) or equivalent as determined by the adopting entity third party qualified water efficient grasses are used.	3	0		
	(6)	For landscaped vegetated areas, the maximum percentage of turf area is:		0		
	(a)	0 percent	5			
	(b)	Greater than 0 percent to less than 20 percent	4			
	(c)	20 percent to less than 40 percent	3			
	(d)	40 percent to 60 percent	2			
	(7)	Plants with similar watering needs are grouped (hydrozoning) and shown on the lot plan.	5	0		
	(8)	Summer shading by planting installed to shade a minimum of 30 percent of building walls. To conform to summer shading, the effective shade coverage (five years after planting) is the arithmetic mean of the shade coverage calculated at 10 am for eastward facing walls, noon for southward facing walls, and 3 pm for westward facing walls on the summer solstice.	5	0		
	(9)	Vegetative wind breaks or channels are designed to protect the lot and immediate surrounding lots as appropriate for local conditions.	5	0		
	(10)	Site or community generated tree trimmings or stump grinding of regionally appropriate trees are used on the lot to provide protective mulch during construction or for landscaping.	3	0		
	(11)	An integrated pest management plan is developed to minimize chemical use in pesticides and fertilizers.	4	0		
	(12)	Developer has a plan for removal or containment of invasive plants from the disturbed areas of the site.	3	0		
	(13)	Developer implements a plan for removal or containment of invasive plants on the undisturbed areas of the site.	6	0		
503.6		**503.6 Wildlife habitat.** Measures are planned to support wildlife habitat and include at least two of the following:		0		
	(1)	Plants and gardens that encourage wildlife, such as bird and butterfly gardens.	3			
	(2)	Inclusion of a certified "backyard wildlife" program.	3			
	(3)	The lot is adjacent to a wildlife corridor, fish and game park, or preserved areas and is designed with regard for this relationship.	3			
	(4)	Outdoor lighting techniques are utilized with regard for wildlife.	3			
503.7		**503.7 Environmentally sensitive areas.** The lot is in accordance with one or both of the following:		0		
	(1)	The lot does not contain any environmentally sensitive areas that are disturbed by the construction.	4			
	(2)	On lots with environmentally sensitive areas, mitigation and/or restoration is conducted to preserve ecosystem functions lost through development and construction activities.	4			
503.8		**503.8 Demolition of existing building.** A demolition waste management plan is developed, posted at the jobsite, and implemented to recycle and/or salvage with a goal of recycling or salvaging a minimum of 50 percent of the nonhazardous demolition waste.	5	0		
		(One additional point awarded for every 10 percent of nonhazardous demolition waste recycled and/or salvaged beyond 50 percent).	1 additional			
504 LOT CONSTRUCTION						
504.0		**504.0 Intent.** Environmental impact during construction is avoided to the extent possible; impacts that do occur are minimized and any significant impacts are mitigated.				
504.1		**504.1 On-site supervision and coordination.** On-site supervision and coordination is provided during on-the-lot clearing, grading, trenching, paving, and installation of utilities to ensure that specified green development practices are implemented. (also see Section 503.3) NOTE: Points must be taken in 503.3 to claim points in 504.1.	4	0		
504.2		**504.2 Trees and vegetation.** Designated trees and vegetation are preserved by one or more of the following:				
	(1)	Fencing or equivalent is installed to protect trees and other vegetation.	3	0		
	(2)	Trenching, significant changes in grade, and compaction of soil and critical root zones in all "tree save" areas as shown on the lot plan are avoided.	5	0		
	(3)	Damage to designated existing trees and vegetation is mitigated during construction through pruning, root pruning, fertilizing, and watering.	4	0		
504.3		**504.3 Soil disturbance and erosion implementation.** On-site soil disturbance and erosion are minimized by one or more of the following in accordance with the SWPPP or applicable plan: (also see Section 503.3)				
	(1)	Sediment and erosion controls are installed on the lot and maintained in accordance with the stormwater pollution prevention plan, where required.	5	5	✓	
	(2)	Limits of clearing and grading are staked out on the lot.	5	5	✓	
	(3)	"No disturbance" zones are created using fencing or flagging to protect vegetation and sensitive areas on the lot from construction activity.	5	0		
	(4)	Topsoil from either the lot or the site development is stockpiled and stabilized for later use and used to establish landscape plantings on the lot.	5	0		
	(5)	Soil compaction from construction equipment is reduced by distributing the weight of the equipment over a larger area (laying lightweight geogrids, mulch, chipped wood, plywood, OSB, metal plates, or other materials capable of weight distribution in the pathway of the equipment).	4	0		
	(6)	Disturbed areas on the lot that are complete or to be left unworked for 21 days or more are stabilized within 14 days using methods as recommended by the EPA or in the approved SWPPP, where required.	3	0		
	(7)	Soil is improved with organic amendments or mulch.	3	0		
	(8)	Utilities on the lot are installed using one or more alternative means: tunneling instead of trenching, use of smaller equipment, use of low ground pressure equipment, use of geomats, shared utility trenches or easements, other. NOTE: List "other" means of installing utilities in the assigned Notes area.	5	0		
	(9)	Inspection reports of stormwater best management practices are available.	3	0		
505 INNOVATIVE PRACTICES						
505.0		**505.0 Intent.** Innovative lot design, preparation, and development practices are used to enhance environmental performance. Waivers or variances from local development regulations are obtained and innovative zoning is used to implement such practices.				
505.1		**505.1 Driveways and parking areas.** Driveways and parking areas are minimized or mitigated by one or more of the following:				
	(1)	Off-street parking areas are shared or driveways are shared. Waivers or variances from local development regulations are obtained to implement such practices, if required.	5	5	✓	
	(2)	In a multifamily project, parking capacity does not exceed the local minimum requirements.	5	0		
	(3)	Structured parking is utilized to reduce the footprint of surface parking areas.		0		
	(a)	25 percent to less than 50 percent	4			
	(b)	50 percent to 75 percent	5			
	(c)	greater than 75 percent	6			
505.2		**505.2 Heat island mitigation.** Heat island effect is mitigated by the following.				
	(1)	Hardscape: Not less than 50 percent of the surface area of the hardscape on the lot meets one or a combination of the following methods.	5	0		
	(a)	Shading of hardscaping: Shade is provided from existing or new vegetation (within five years) or from trellises. Shade of hardscaping is to be measured on the summer solstice at noon.				
	(b)	Light-colored hardscaping: Horizontal hardscaping materials are installed with a solar reflectance index (SRI) of 29 or greater. The SRI is calculated in accordance with ASTM E1980. A default SRI value of 35 for new concrete without added color pigment is permitted to be used instead of measurements.				
	(c)	Permeable hardscaping: Permeable hardscaping materials are installed.				
	(2)	Roofs: Not less than 75 percent of the exposed surface of the roof is vegetated using technology capable of withstanding the climate conditions of the jurisdiction and the microclimate conditions of the building lot. Invasive plant species are not permitted.	5	0		
505.3		**505.3 Density.** The average density on the lot on a net developable area basis is:		4	(1)	18.16 Acres/252 units = 13.88 DU/Acre
	(1)	7 to less than 14 dwelling units/sleeping units per acre (per 4,047 m2)	4			
	(2)	14 to less than 21 dwelling units/sleeping units per acre (per 4,047 m2)	5			
	(3)	21 to less than 35 dwelling units/sleeping units per acre (per 4,047 m2)	6			
	(4)	35 to less than 70 dwelling units/sleeping units per acre (per 4,047 m2)	7			
	(5)	70 or greater dwelling units/sleeping units per acre (per 4,047 m2)	8			
505.4		**505.4 Mixed-use development.**				
	(1)	The lot contains a mixed-use building.	8	0		
505.5		**505.5 Multifamily & mixed-use community garden(s).** A portion of the lot is established as a community garden(s), available to residents of the lot, to provide for local food production to residents or area consumers.			Community Garden (sf):	
	(a)	A portion of the lot of at least 250 sq ft is established as community garden(s) for the residents of the site. [*3 points per 250 sq ft]	9 max	0		
	(b)	Locate the project within a 0.5-mile walking distance of an existing or planned farmers market/ farm stand that is open or will operate at least once a week for at least five months of the year.	3	0		
	(c)	Areas and physical provisions are provided for composting.	1	0		
	(d)	Signs designating the garden area are posted.	1	0		
505.6		**505.6 Multi-Unit Plug-In Electric Vehicle Charging.** Plug-in electric vehicle charging capability is provided for not fewer than 2 percent of parking stalls. [An additional 2 points can be earned for each percentage point above 2% for a maximum of 10 points] Fractional values shall be rounded up to the nearest whole number. Electrical capacity in main electric panels supports Level 2 charging (208/240V- up to 80 amps or in accordance with SAE J1772). Each stall is provided with conduit and wiring infrastructure from the electric panel to support Level 2 charging (208/240V- up to 80 amps or in accordance with SAE J1772) service to the designated stalls, and stalls are equipped with either Level 2 charging AC grounded outlets (208/240V- up to 80 amps or in accordance with SAE J1772) or Level 2 charging stations (208/240V- up to 80 amps or in accordance with SAE J1772) by a third party charging station.	4 (10 max)	0		

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SEAL

PROJECT TITLE

WEST FORK

WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
OFHA APPLICATION	09/25/23

REVISIONS

MARK	DESCRIPTION	DATE

DO NOT SCALE PRINTS - USE FIGURED DIMENSIONS ONLY

PROJECT NO.
22-018

SHEET TITLE
NGBS REQUIREMENTS

SHEET NUMBER
G-004

T:\01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dr\7 CAD and Revit\WEST FORK GENERAL SHEETS.rvt
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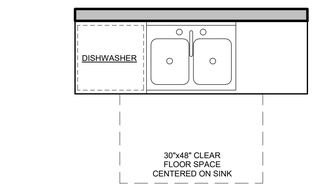
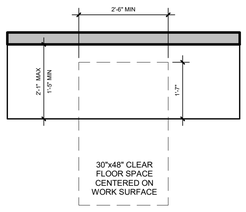


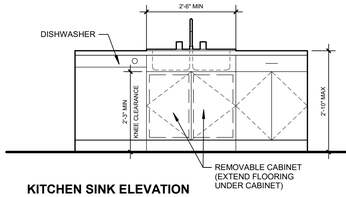
KITCHEN SINK PLAN



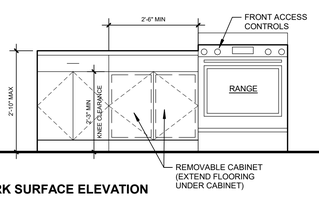
WORK SURFACE PLAN

NOTES

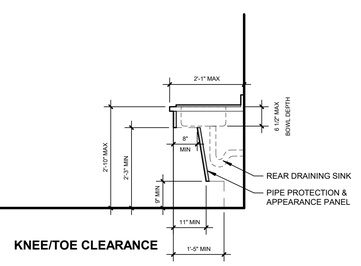
1. TYPE "A" ACCESSIBLE KITCHENS TO MEET ICC/ANSI A117.1-2009 SECTION 1003.12
2. TYPE "A" ACCESSIBLE KITCHEN AREAS IN DWELLING UNITS ARE DESIGNED WITH CLEAR FLOOR SPACES IN ACCORDANCE WITH ICC/ANSI REQUIREMENTS (BASED ON APPROACH)
3. PROVIDE REMOVABLE CABINET UNDER 30" WIDE (MIN) WORK SURFACE AND KITCHEN SINK. EXTEND FLOORING UNDER THESE AREAS.
4. EXPOSED PIPES UNDER SING SHALL BE PROTECTED OF INSULATED AGAINST CONTACT. NO SHARP/ABRASIVE SURFACES ALLOWED.
5. PROVIDE RANGE/OVEN WITH FRONT PANEL CONTROLS.
6. REFRIGERATORS/FREEZERS SHALL HAVE AT LEAST 50% OF THE FREEZER SPACE WITHIN 54" MAX ABOVE FLOOR.
7. MICROWAVES TO BE COUNTERTOP MODELS. DO NOT INSTALL OVER RANGE



KITCHEN SINK ELEVATION

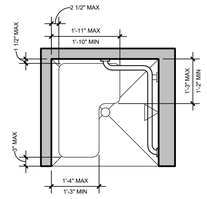


WORK SURFACE ELEVATION

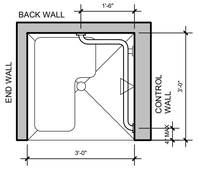


KNEE/TOE CLEARANCE

1 ACCESSIBLE KITCHENS
1/2" = 1' - 0" *FOR TYPE "A" DWELLING UNITS*



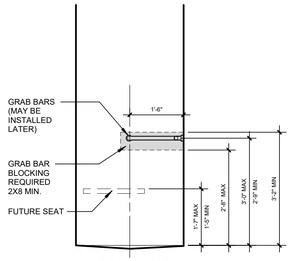
SHOWER SEAT



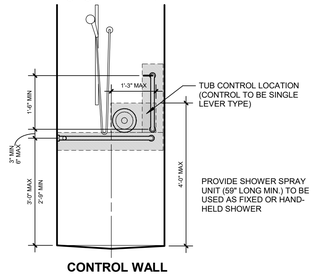
SHOWER PLAN

NOTES

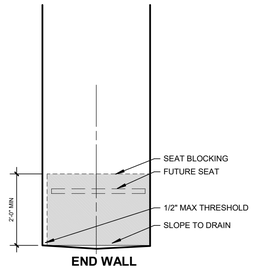
1. TYPE "A" ACCESSIBLE TRANSFER-TYPE SHOWERS TO MEET ICC/ANSI A117.1-2009 SECTION 1003.11.9 AND 608.
2. GRAB BARS ARE NOT REQUIRED, PROVIDED REINFORCEMENT IS PROVIDED IN WALLS TO PERMIT INSTALLATION OF GRAB BARS.
3. GRAB BARS IF PROVIDED SHALL BE 1 1/2" DIAMETER W/ 1 1/2" CLEARANCE FROM WALL
4. ACCESSIBLE SHOWER AREAS IN DWELLING UNITS ARE DESIGNED WITH CLEAR FLOOR SPACES IN ACCORDANCE W/ ICC/ANSI REQUIREMENTS (BASED ON APPROACH).
5. SHOWER CONTROL TO BE LEVER TYPE.
6. PROVIDE SHOWER SPRAY UNIT WITH 59" LONG MINIMUM, THAT CAN BE USED AS A FIXED SHOWER HEAD AND AS A HAND-HELD SHOWER FIXED HEAD MUST BE MOUNTED 48" MAX. ABOVE FLOOR.
7. SHOWER TO DELIVER WATER THAT IS THERMAL SHOCK PROTECTED TO 120°F MAX.
8. SHOWER SEAT IS NOT REQUIRED, PROVIDED REINFORCEMENT IS PROVIDED IN WALL TO PERMIT INSTALLATION OF SEAT.



BACK WALL

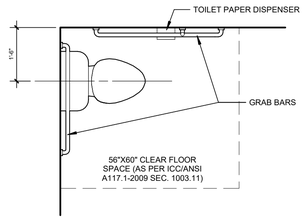


CONTROL WALL



END WALL

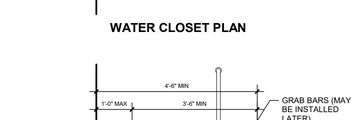
2 ACCESSIBLE SHOWERS (TRANSFER-TYPE)
1/2" = 1' - 0" *FOR TYPE "A" DWELLING UNITS*



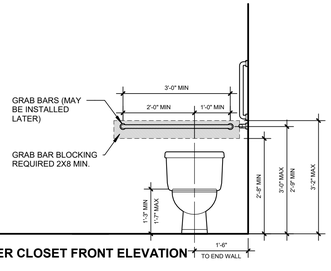
WATER CLOSET PLAN

NOTES

1. TYPE "A" ACCESSIBLE WATER CLOSETS TO MEET ICC/ANSI A117.1-2009 SECTION 1003.11.7.
2. GRAB BARS ARE NOT REQUIRED, PROVIDED REINFORCEMENT IS PROVIDED IN WALLS TO PERMIT INSTALLATION OF GRAB BARS.
3. GRAB BARS (IF PROVIDED) SHALL BE 1 1/2" DIAMETER W/ 1 1/2" CLEARANCE FROM WALL.
4. TYPE "A" ACCESSIBLE TOILET AREAS IN DWELLING UNITS ARE DESIGNED WITH CLEAR FLOOR SPACES IN ACCORDANCE WITH ICC/ANSI REQUIREMENTS (BASED ON APPROACH).
5. FLUSH CONTROLS TO BE LEVER TYPE AND TO BE MOUNTED AT 44" AFF MAXIMUM. LEVER MUST BE ON THE WIDE OR OPEN SIDE OF THE FIXTURE.

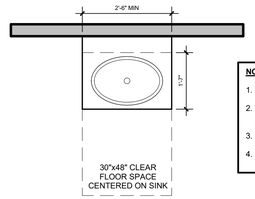


WATER CLOSET SIDE ELEVATION



WATER CLOSET FRONT ELEVATION

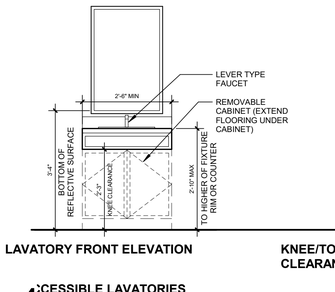
3 ACCESSIBLE WATER CLOSETS
1/2" = 1' - 0" *FOR TYPE "A" DWELLING UNITS*



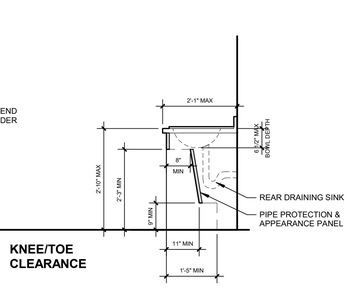
LAVATORY PLAN APPROACH OPTION

NOTES

1. TYPE "A" ACCESSIBLE LAVATORY TO MEET ICC/ANSI A117.1-2009 SECTION 1003.11.5 AND 606.
2. TYPE "A" ACCESSIBLE LAVATORY AREAS IN DWELLING UNITS ARE DESIGNED WITH CLEAR FLOOR SPACES IN ACCORDANCE WITH ICC/ANSI REQUIREMENTS (BASED ON APPROACH).
3. PROVIDE REMOVABLE CABINET UNDER 30" WIDE (MIN) LAVATORY. EXTEND FLOORING UNDER THESE AREAS.
4. EXPOSED PIPES UNDER LAVATORY SHALL BE PROTECTED OR INSULATED AGAINST CONTACT. NO SHARP/ABRASIVE SURFACES ALLOWED.

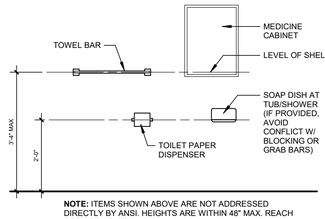


LAVATORY FRONT ELEVATION



KNEE/TOE CLEARANCE

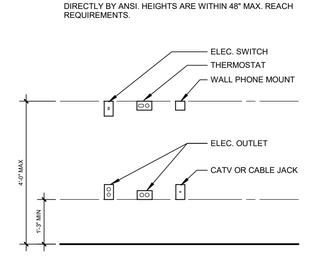
4 ACCESSIBLE LAVATORIES
1/2" = 1' - 0" *FOR TYPE "A" DWELLING UNITS*

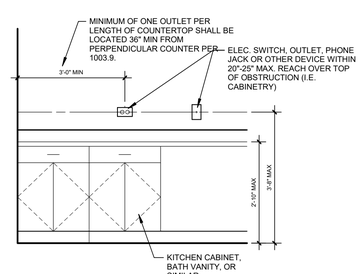


NOTE: ITEMS SHOWN ABOVE ARE NOT ADDRESSED DIRECTLY BY ANSI. HEIGHTS ARE WITHIN 48" MAX. REACH REQUIREMENTS.

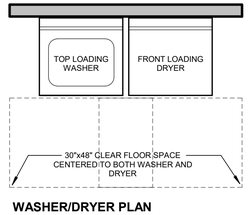
NOTES

1. MOUNTING HEIGHTS ARE BASED ON OBSTRUCTED AND UNOBSTRUCTED REACH REQUIREMENTS AS OUTLET IN ICC/ANSI A117.1-2009 SECTION 308 & 309.
2. MOUNTING HEIGHTS SHOWN HEREIN ARE FOR ALL OPERABLE PARTS, CONTROLS, DEVICES, ETC. WHICH REQUIRE THE USE OF A SINGLE HAND TO ACCESS/OPERATE.
3. HEIGHT REQUIREMENTS SHOWN HEREIN DO NOT APPLY TO SPECIAL EQUIPMENT OR ELECTRICAL/COMMUNICATION SYSTEM RECEPTACLES NOT NORMALLY INTENDED FOR USE BY OCCUPANTS.
4. OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING OR TWISTING OF THE WRIST.





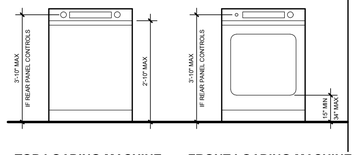
5 ACCESSIBLE MOUNTING HEIGHTS
1/2" = 1' - 0" *FOR TYPE "A" DWELLING UNITS*



WASHER/DRYER PLAN

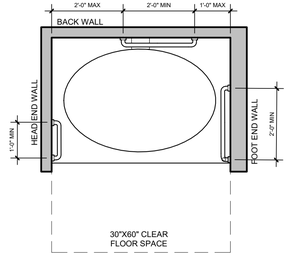
NOTES

1. TYPE "A" ACCESSIBLE LAUNDRY EQUIPMENT TO MEET ICC/ANSI A117.1-2009 SECTION 1003.10 AND 611.
2. TYPE "A" ACCESSIBLE LAUNDRY AREAS ARE DESIGNED WITH CLEAR FLOOR SPACES IN ACCORDANCE WITH ICC/ANSI REQUIREMENTS (BASED ON APPROACH).
3. WASHER AND DRYER MAY BE EITHER TOP LOADING OR FRONT LOADING. USE HEIGHT REQUIREMENTS AS SHOWN HEREIN.
4. HEIGHT OF REAR PANEL CONTROLS ASSUMES 24" MAX. REACH OVER TOP OF MACHINE AS PER ICC/ANSI A117.1-2009 SECTION 309.

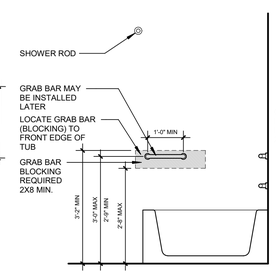


TOP LOADING MACHINE FRONT LOADING MACHINE

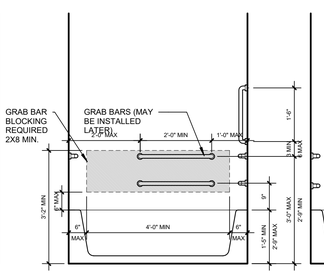
6 ACCESSIBLE LAUNDRY EQUIPMENT
1/2" = 1' - 0" *FOR TYPE "A" DWELLING UNITS*



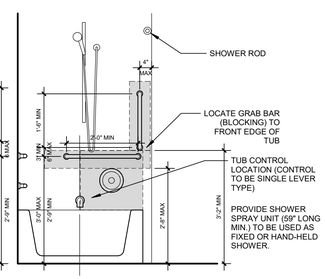
ACCESSIBLE BATHTUB PLAN



HEAD END WALL



BACK WALL



FOOT END WALL

7 ACCESSIBLE BATHTUBS W/O PERMANENT SEATS
1/2" = 1' - 0" *FOR TYPE "A" DWELLING UNITS*

NOTES

1. TYPE "A" ACCESSIBLE BATHTUBS TO MEET ICC/ANSI A117.1-2009 SECTION 1003.11.8 AND 607.
2. GRAB BARS ARE NOT REQUIRED, PROVIDED REINFORCEMENT IS PROVIDED IN WALLS TO PERMIT INSTALLATION OF GRAB BARS.
3. GRAB BARS IF PROVIDED SHALL BE 1 1/2" DIAMETER W/ 1 1/2" CLEARANCE FROM WALL
4. TYPE "A" ACCESSIBLE BATHTUB AREAS IN DWELLING UNITS ARE DESIGNED WITH CLEAR FLOOR SPACES IN ACCORDANCE W/ ICC/ANSI REQUIREMENTS (BASED ON APPROACH).
5. TUB CONTROLS TO BE LEVER TYPE.
6. TUBSHOWER TO DELIVER WATER THAT IS THERMAL SHOCK PROTECTED TO 120°F MAX
7. REMOVABLE IN-TUB SEAT IS NOT REQUIRED FOR BATHTUB IN DWELLING UNITS AS PER ICC/ANSI A117.1-2003 SECTION 1003.11.8

HANDICAP CODE TYPE A UNIT

1. ALL HARDWARE TO BE LEVER TYPE HARDWARE. ANY LOCKING MECHANISM TO BE ACCESSIBLE PUSH BOTTOM TYPE PER ANSI 1003.5.
2. REFLECTIVE SURFACE OF MIRROR TO BE MAXIMUM HEIGHT 40"AFF.
3. TOILET PAPER DISPENSER TO BE LOCATED 7" MINIMUM AND 9" MAXIMUM IN FRONT OF THE WATER CLOSET MEASURED TO THE CENTERLINE OF THE DISPENSER. THERE SHALL BE A CLEARANCE OF 1 1/2" MINIMUM BELOW THE GRAB BAR.
4. ALL THRESHOLDS TO BE 1/2" MAXIMUM CHANGE IN LEVEL FROM TOP OF THRESHOLD TO FINISHED FLOOR OR PATIO SURFACE.
5. TOILET CENTERLINES TO BE 18" FROM WALL MEASURED FROM FACE OF DRYWALL
6. RANGE, WASHER AND DRYER TO HAVE FRONT CONTROLS, RANGE HOOD TO HAVE CONTROLS OR SWITCH IN ACCESSIBLE REACH.
7. REFRIGERATOR TO HAVE 50% OF FREEZER 54" AFF MAX.
8. EXTEND FLOOR FINISH UNDER REMOVABLE CABINETS.
9. TOILET FLUSH CONTROLS SHALL BE LOCATED ON THE OUTSIDE OF THE TANK ON THE SIDE WHICH IS AWAY FROM THE WALL.
10. AT SHOWERS AND TUBS PROVIDE OFFSET CONTROLS, HANDHELD SHOWER HOSE, AND SLIDE BAR PER ANSI 1003.11.8.
11. WINDOW CONTROLS MUST BE MAXIMUM 48" AFF.
12. 32" CLEAR OPENING AT ALL PASSAGE DOORS. PROVIDE 36" DOORS.
13. TOWEL BARS AT 48" AFF.
14. PROVIDE BLOCKING FOR VERTICAL GRAB BAR AT SHOWER AND TUB.
15. PROVIDE ONE OUTLET 44" AFF. ON EACH WALL OF KITCHEN THAT IS A DISTANCE GREATER THAN 36" FROM PERPENDICULAR WALL.
16. PROVIDE ONE PORTION OF ROD AND SHELF IN EACH CLOSET AT 48" AFF.

1 TYPE A REQUIREMENTS
1/2" = 1'-0"

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SEAL

PROJECT TITLE

WEST FORK

WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
OFHA APPLICATION	09/25/23

REVISIONS

MARK	DESCRIPTION	DATE

DO NOT SCALE PRINTS - USE FIGURED DIMENSIONS ONLY

PROJECT NO.

22-018

SHEET TITLE

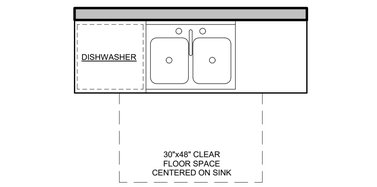
TYPE A REQUIREMENTS

SHEET NUMBER

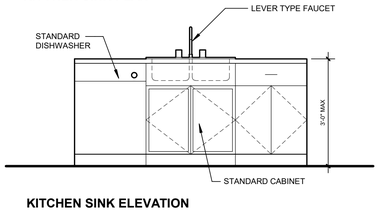
G-005

T:\01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dr\17 CAD and Revit\BUIDLING 4BR6+2BR18+1BR12 - 9.13.23.rvt

9/21/2023 4:56:47 PM



KITCHEN SINK PLAN

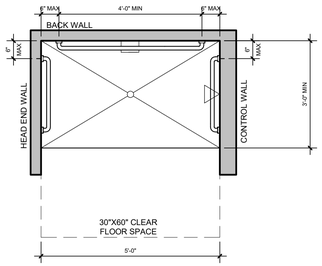


KITCHEN SINK ELEVATION

NOTES

1. TYPE "B" ACCESSIBLE KITCHENS TO MEET ICC/ANSI A117.1-2009 SECTION 1004.12
2. TYPE "B" ACCESSIBLE KITCHEN AREAS IN DWELLING UNITS ARE DESIGNED WITH CLEAR FLOOR SPACES IN ACCORDANCE WITH ICC/ANSI REQUIREMENTS (BASED ON APPROACH)
3. STANDARD CABINETS AND STANDARD APPLIANCES MAY BE USED

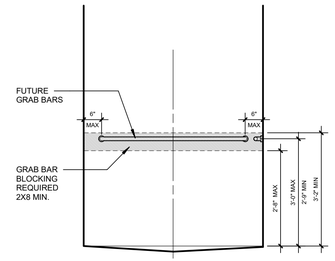
1 ACCESSIBLE KITCHENS
1/2" = 1' - 0" *FOR TYPE "B" DWELLING UNITS*



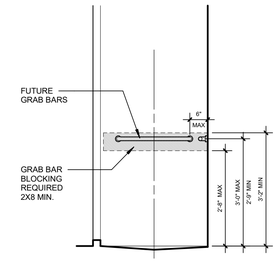
ACCESSIBLE SHOWERS (TRANSFER TYPE)

NOTES

1. TYPE "B" ACCESSIBLE TRANSFER-TYPE SHOWERS TO MEET ICC/ANSI A117.1-2009 SECTION 1004.11.3.1.3.3.
2. GRAB BARS ARE NOT REQUIRED, PROVIDED REINFORCEMENT IS PROVIDED IN WALLS TO PERMIT INSTALLATION OF GRAB BARS.
3. GRAB BARS IF PROVIDED SHALL BE 1 1/2" DIAMETER W/ 1 1/2" CLEARANCE FROM WALL
4. ACCESSIBLE SHOWER AREAS IN DWELLING UNITS ARE DESIGNED WITH CLEAR FLOOR SPACES IN ACCORDANCE W/ ICC/ANSI REQUIREMENTS (BASED ON APPROACH).
5. SHOWER CONTROL TO BE LEVER TYPE.
6. SHOWER SEAT IS NOT REQUIRED, PROVIDED REINFORCEMENT IS PROVIDED IN WALL TO PERMIT INSTALLATION OF SEAT.

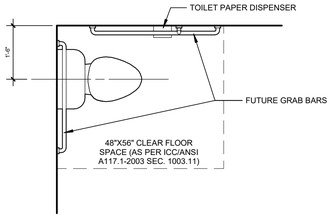


BACK WALL



HEAD END WALL

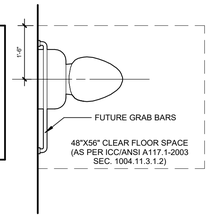
2 ACCESSIBLE SHOWERS (TRANSFER-TYPE)
1/2" = 1' - 0" *FOR TYPE "B" DWELLING UNITS*



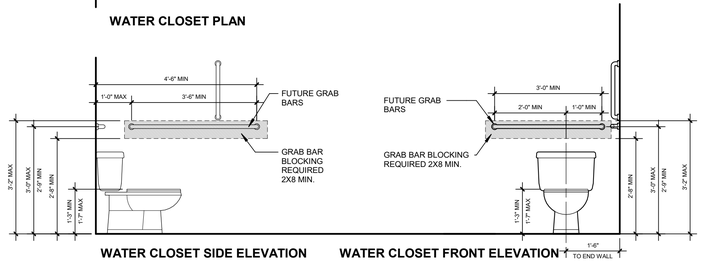
WATER CLOSET PLAN

NOTES

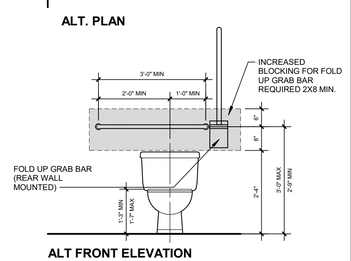
1. TYPE "B" ACCESSIBLE WATER CLOSETS TO MEET ICC/ANSI A117.1-2009 SECTION 1004.11.3.1.2
2. GRAB BARS ARE NOT REQUIRED, PROVIDED REINFORCEMENT IS PROVIDED IN WALLS TO PERMIT INSTALLATION OF GRAB BARS.
3. GRAB BARS (IF PROVIDED) SHALL BE 1 1/2" DIAMETER W/ 1 1/2" CLEARANCE FROM WALL.
4. TYPE "B" ACCESSIBLE TOILET AREAS IN DWELLING UNITS ARE DESIGNED WITH CLEAR FLOOR SPACES IN ACCORDANCE WITH ICC/ANSI REQUIREMENTS (BASED ON APPROACH).
5. FLUSH CONTROLS TO BE LEVER TYPE AND TO BE MOUNTED AT 44" AFF MAXIMUM. LEVER MUST BE ON THE WIDE OR OPEN SIDE OF THE FIXTURE.



ALT. PLAN

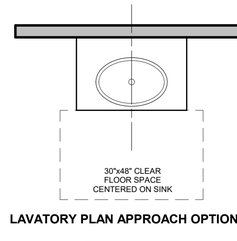


WATER CLOSET SIDE ELEVATION **WATER CLOSET FRONT ELEVATION**



ALT FRONT ELEVATION

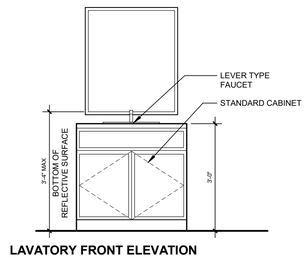
3 ACCESSIBLE WATER CLOSETS
1/2" = 1' - 0" *FOR TYPE "B" DWELLING UNITS*



LAVATORY PLAN APPROACH OPTION

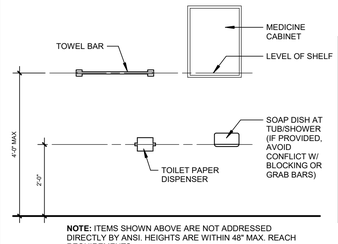
NOTES

1. TYPE "B" ACCESSIBLE LAVATORY TO MEET ICC/ANSI A117.1-2009 SECTION 1004.11.3.1.1 AND 305.3.
2. TYPE "B" ACCESSIBLE LAVATORY AREAS IN DWELLING UNITS ARE DESIGNED WITH CLEAR FLOOR SPACES IN ACCORDANCE WITH ICC/ANSI REQUIREMENTS (BASED ON APPROACH).
3. IN SPACES WHERE ONLY A FORWARD APPROACH CAN BE ACHIEVED LAVATORY MUST HAVE A REMOVABLE CABINET (SEE TYPE "A" DWELLING UNIT LAVATORY DETAILS)



LAVATORY FRONT ELEVATION

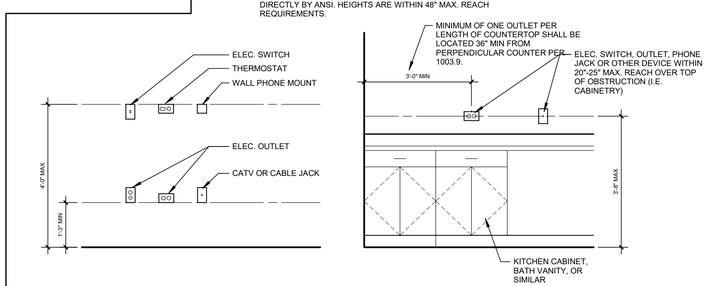
4 ACCESSIBLE LAVATORIES
1/2" = 1' - 0" *FOR TYPE "B" DWELLING UNITS*



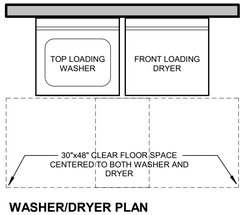
NOTE: ITEMS SHOWN ABOVE ARE NOT ADDRESSED DIRECTLY BY ANSI. HEIGHTS ARE WITHIN 48" MAX. REACH REQUIREMENTS.

NOTES

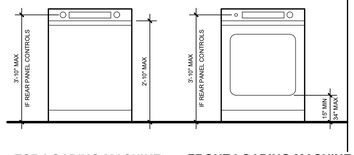
1. MOUNTING HEIGHTS ARE BASED ON OBSTRUCTED AND UNOBSTRUCTED REACH REQUIREMENTS AS OUTLET IN ICC/ANSI A117.1-2009 SECTION 308 & 309.
2. MOUNTING HEIGHTS SHOWN HEREIN ARE FOR ALL OPERABLE PARTS, CONTROLS, DEVICES, ETC. WHICH REQUIRE THE USE OF A SINGLE HAND TO ACCESS/OPERATE.
3. HEIGHT REQUIREMENTS SHOWN HEREIN DO NOT APPLY TO SPECIAL EQUIPMENT OR ELECTRICAL/COMMUNICATION SYSTEM RECEPTACLES NOT NORMALLY INTENDED FOR USE BY OCCUPANTS.
4. OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING OR TWISTING OF THE WRIST.



5 ACCESSIBLE MOUNTING HEIGHTS
1/2" = 1' - 0" *FOR TYPE "B" DWELLING UNITS*



WASHER/DRYER PLAN

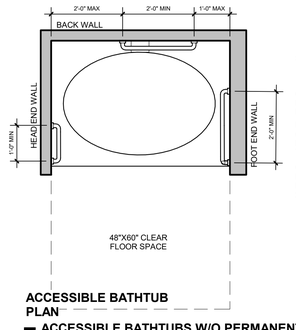


TOP LOADING MACHINE **FRONT LOADING MACHINE**

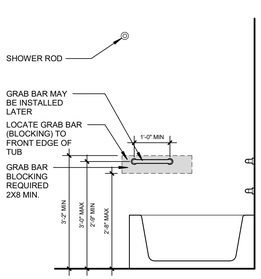
NOTES

1. TYPE "B" ACCESSIBLE LAUNDRY EQUIPMENT TO MEET ICC/ANSI A117.1-2009 SECTION 1004.10.
2. TYPE "B" ACCESSIBLE LAUNDRY AREAS ARE DESIGNED WITH CLEAR FLOOR SPACES IN ACCORDANCE WITH ICC/ANSI REQUIREMENTS (BASED ON APPROACH).
3. WASHER AND DRYER MAY BE EITHER TOP LOADING OR FRONT LOADING. USE HEIGHT REQUIREMENTS AS SHOWN HEREIN.
4. HEIGHT OF REAR PANEL CONTROLS ASSUMES 24" MAX. REACH OVER TOP OF MACHINE AS PER ICC/ANSI A117.1-2003 SECTION 309.

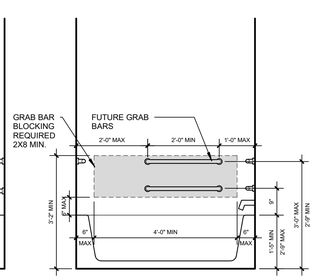
6 ACCESSIBLE LAUNDRY EQUIPMENT
1/2" = 1' - 0" *FOR TYPE "B" DWELLING UNITS*



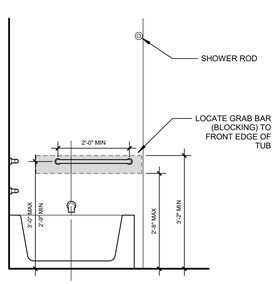
ACCESSIBLE BATHTUB PLAN



HEAD END WALL



BACK WALL



FOOT END WALL

NOTES

1. TYPE "B" ACCESSIBLE BATHTUBS TO MEET ICC/ANSI A117.1-2009 SECTION 1004.11.3.1.3.2 AND 607.
2. GRAB BARS ARE NOT REQUIRED, PROVIDED REINFORCEMENT IS PROVIDED IN WALLS TO PERMIT INSTALLATION OF GRAB BARS.
3. GRAB BARS IF PROVIDED SHALL BE 1 1/2" DIAMETER W/ 1 1/2" CLEARANCE FROM WALL
4. TYPE "B" ACCESSIBLE BATHTUB AREAS IN DWELLING UNITS ARE DESIGNED WITH CLEAR FLOOR SPACES IN ACCORDANCE W/ ICC/ANSI REQUIREMENTS (BASED ON APPROACH).
5. TUB CONTROLS TO BE LEVER TYPE.

HANDICAP CODE TYPE B UNIT

1. ALL HARDWARE TO BE LEVER TYPE HARDWARE. ANY LOCKING MECHANISM TO BE ACCESSIBLE PUSH BOTTOM TYPE PER ANSI 1003.5.
2. REFLECTIVE SURFACE OF MIRROR TO BE MAXIMUM HEIGHT 40"AFF.
3. TOILET PAPER DISPENSER TO BE LOCATED 7" MINIMUM AND 9" MAXIMUM IN FRONT OF THE WATER CLOSET MEASURED TO THE CENTERLINE OF THE DISPENSER. THERE SHALL BE A CLEARANCE OF 1 1/2" MINIMUM BELOW THE GRAB BAR.
4. ALL THRESHOLDS TO BE 1/2" MAXIMUM CHANGE IN LEVEL FROM TOP OF THRESHOLD TO FINISHED FLOOR OR PATIO SURFACE.
5. TOILET CENTERLINES TO BE 18" FROM WALL MEASURED FROM FACE OF DRYWALL.
6. 32" CLEAR OPENING AT ALL PASSAGE DOORS. PROVIDE 36" DOORS.
7. BE 31 3/4" CLEAR OPENING AT ALL PASSAGE DOORS. PROVIDE 34" DOORS.

7 ACCESSIBLE BATHTUBS W/O PERMANENT SEATS
1/2" = 1' - 0" *FOR TYPE "B" DWELLING UNITS*

1 TYPE B REQUIREMENTS
1/2" = 1'-0"

KITTLE
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310 East 96th Street, Suite 400
Indianapolis, IN 46240
(317) 846-3111
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SEAL

PROJECT TITLE

WEST FORK

WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
OFHA APPLICATION	09/25/23

REVISIONS

MARK	DESCRIPTION	DATE

DO NOT SCALE PRINTS - USE FIGURED DIMENSIONS ONLY

PROJECT NO.

22-018

SHEET TITLE

TYPE B
REQUIREMENTS

SHEET NUMBER

G-006

T:\01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dr\7 CAD and Revit\BUIDLING 4BR6+2BR18+1BR12 - 9.13.23.rvt

9/21/2023 4:56:54 PM

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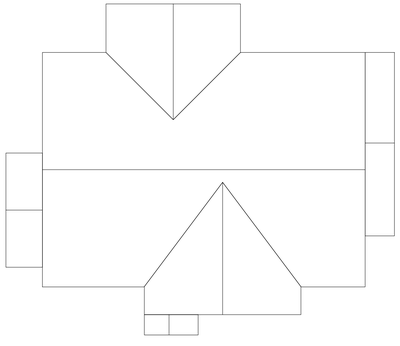
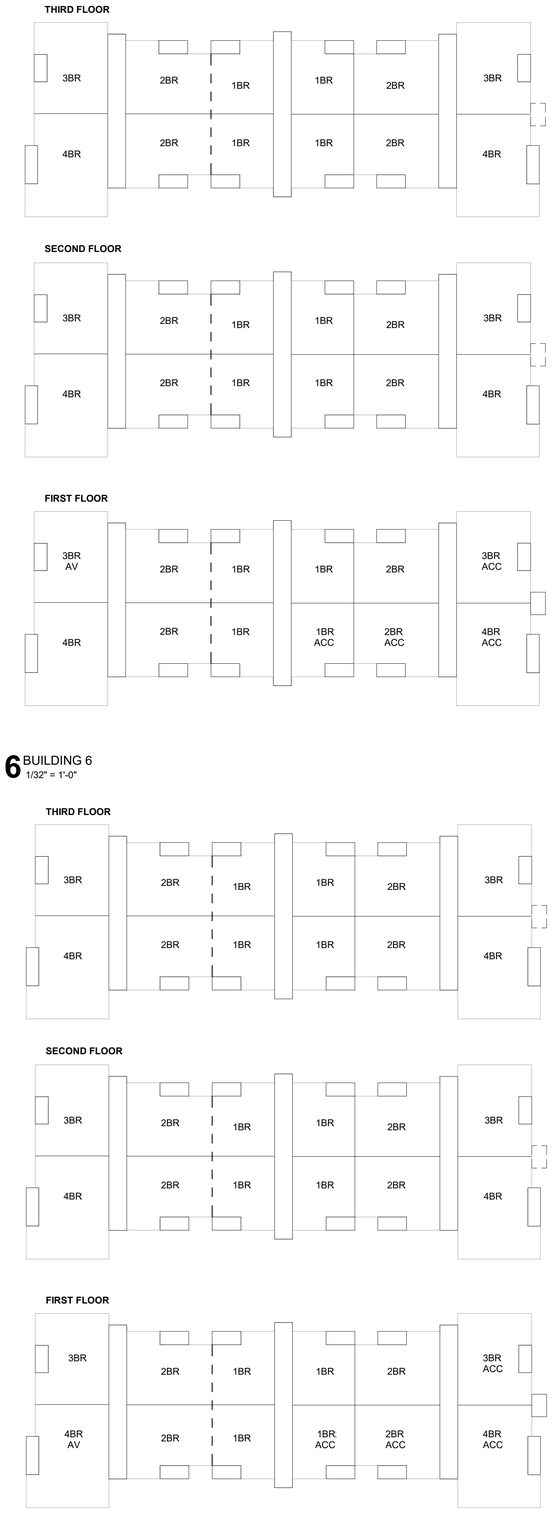


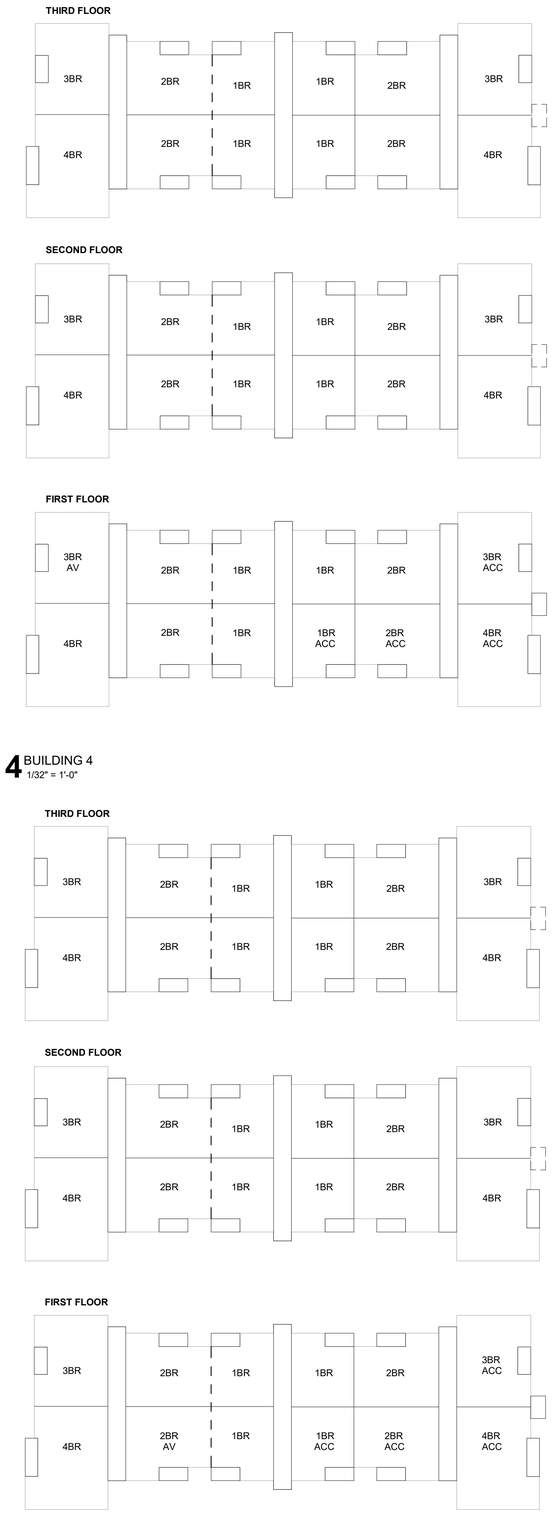
7 CLUBHOUSE
1/16" = 1'-0"

6 BUILDING 6
1/32" = 1'-0"



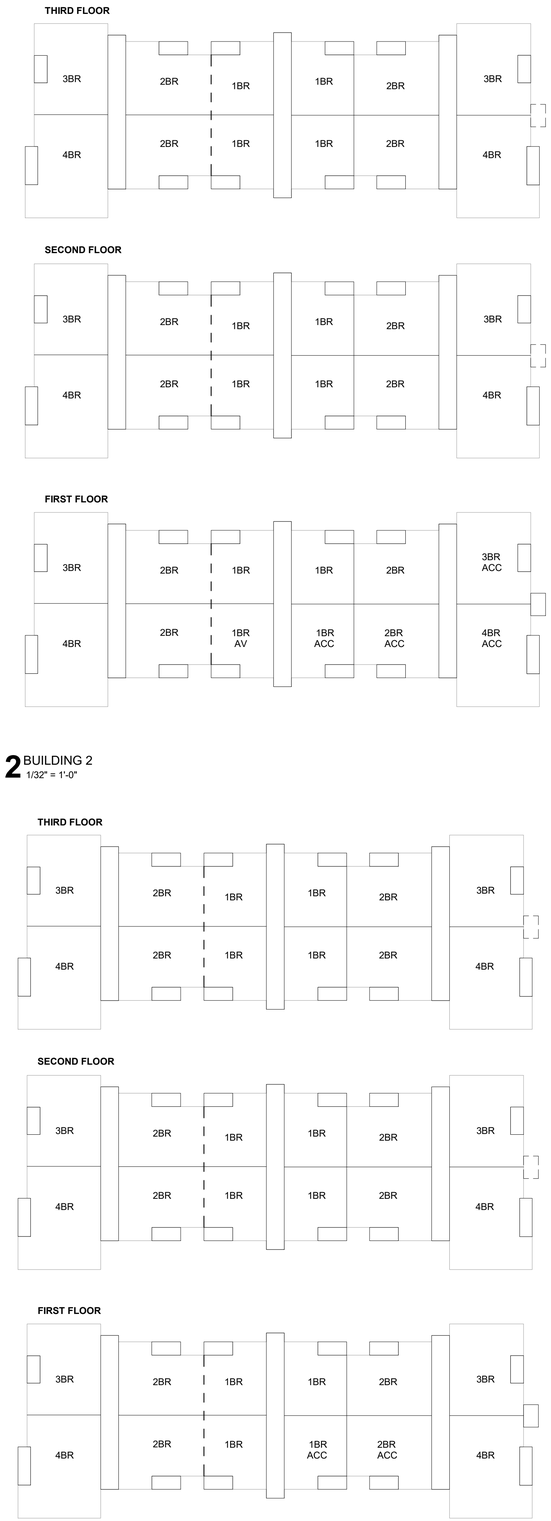
5 BUILDING 5
1/32" = 1'-0"

4 BUILDING 4
1/32" = 1'-0"



3 BUILDING 3
1/32" = 1'-0"

2 BUILDING 2
1/32" = 1'-0"



1 BUILDING 1
1/32" = 1'-0"

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SEAL

PROJECT TITLE

WEST FORK

WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
OFHA APPLICATION	09/25/23

REVISIONS

MARK	DESCRIPTION	DATE

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PROJECT NO.

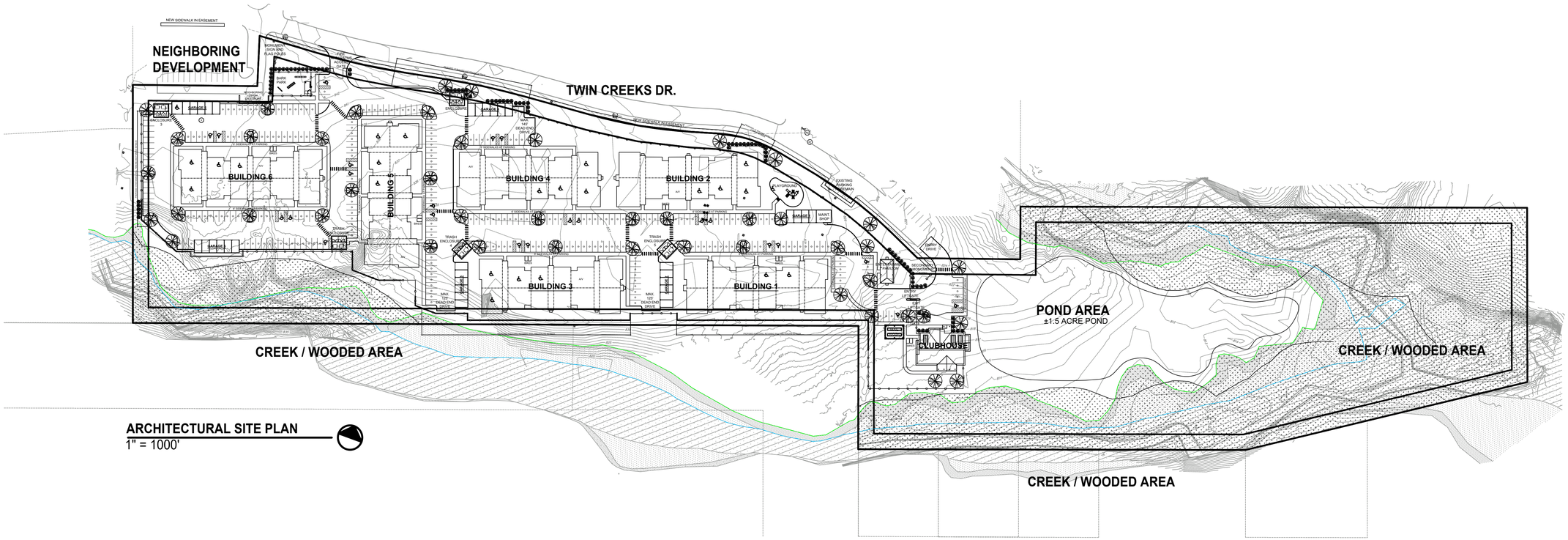
22-018

SHEET TITLE

ADDRESSING PLAN

SHEET NUMBER

G-007



ARCHITECTURAL SITE PLAN
1" = 1000'

SITE DEVELOPMENT DATA:

18.16 ACRE SITE
12.33 DU/ACRE

MATRIX:

(6)1BR12+2BR12+3BR6+4BR6 BUILDINGS
216 - TOTAL UNITS

(72) 1BR UNITS - 33%
(72) 2BR UNITS - 33%
(36) 3BR UNITS - 17%
(36) 4BR UNITS - 17%

AMENITIES

(5) DUMPSTERS
(1) GARAGE A (5 STANDARD BAYS + MAINTENANCE BAY)
(4) GARAGE B (6 STANDARD BAYS)
(1) GARAGE C (5 STANDARD BAYS + 1 ACCESSIBLE BAY)
(1) CLUBHOUSE
(1) MAIL KIOSK
(1) ENTERTAINMENT PAVILION
(1) BARK PARK
(7) 5-LOOP (7 BIKES) BIKE RACKS

PARKING

324 PARKING SPACES (324 REQUIRED)
(34) OF TOTAL ARE GARAGE SPACES
(23) STANDARD ACCESSIBLE SURFACE SPACES
(1) VAN ACCESSIBLE SURFACE SPACE
(1) VAN ACCESSIBLE GARAGE SPACE
(24) TOTAL ACCESSIBLE SPACES

ARCHITECT OF RECORD

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SEAL

PROJECT TITLE

WEST FORK

WILSON ROAD & TWIN CREEKS DR.
COLUMBUS, OH 43204

ISSUED FOR:	DATE
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OFHA APPLICATION	09/25/23

REVISIONS

MARK	DESCRIPTION	DATE
	OWNER REVISION	08.22.23

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PROJECT NO.

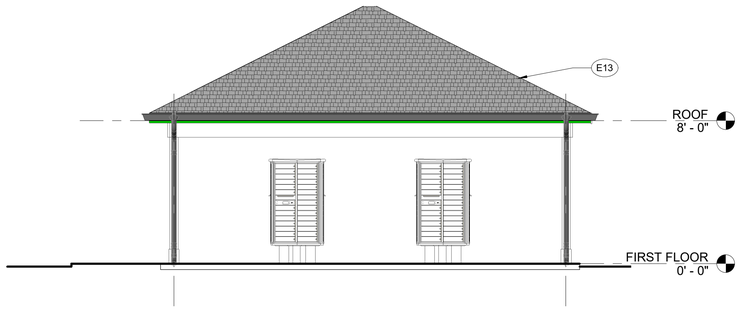
22-018

SHEET TITLE

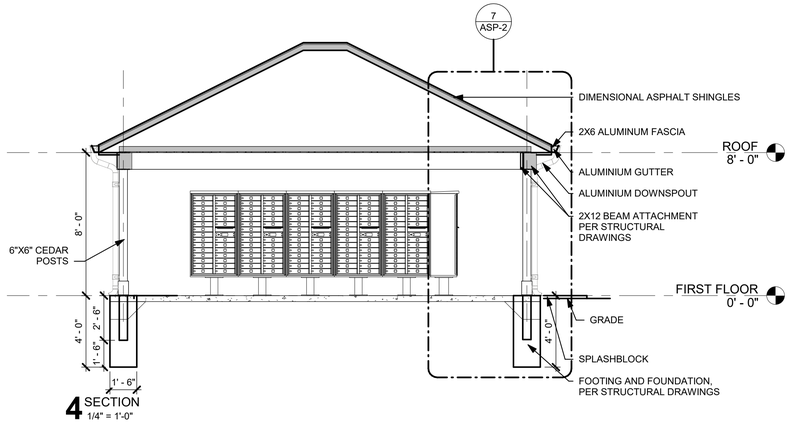
ARCHITECTURAL SITE PLAN

SHEET NUMBER

ASP-1



3 FRONT/REAR ELEVATION
1/4" = 1'-0"



4 SECTION
1/4" = 1'-0"

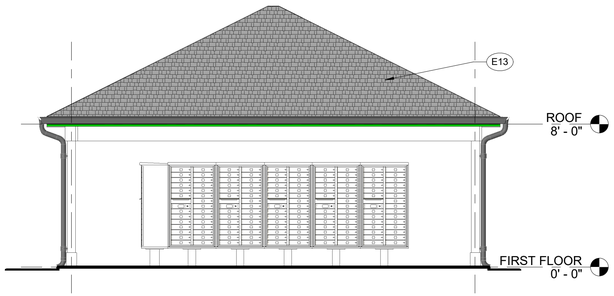
ELEVATION KEYNOTES	
E11	[6"] ALUMINUM GUTTER
E13	DIMENSIONAL ASPHALT SHINGLE ROOF - 30 YEAR WARRANTY

MAIL AND PARCEL BOXES:
CLUSTER PEDESTAL MAILBOX WITH 8 MAILBOXES AND 2 PARCEL BOXES PER UNIT.

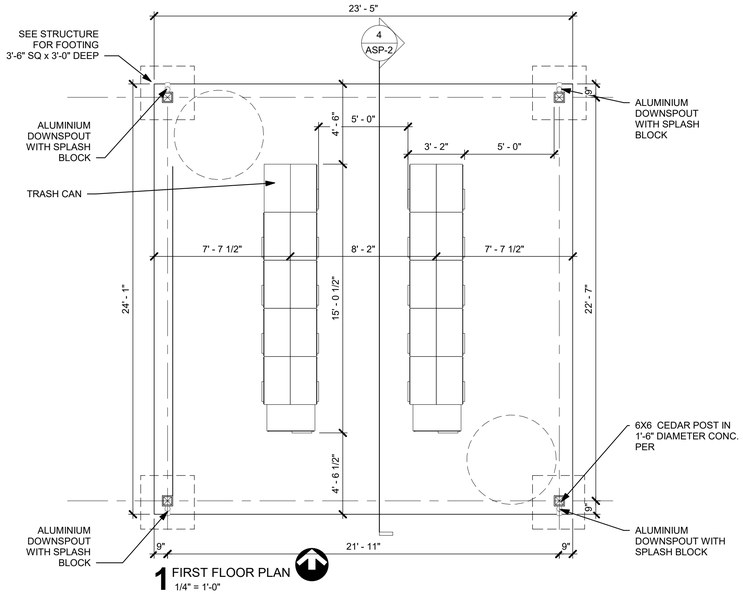
TOTAL REQUIRED: 252 MAILBOXES AND 51 PARCEL BOXES

PROVIDED:

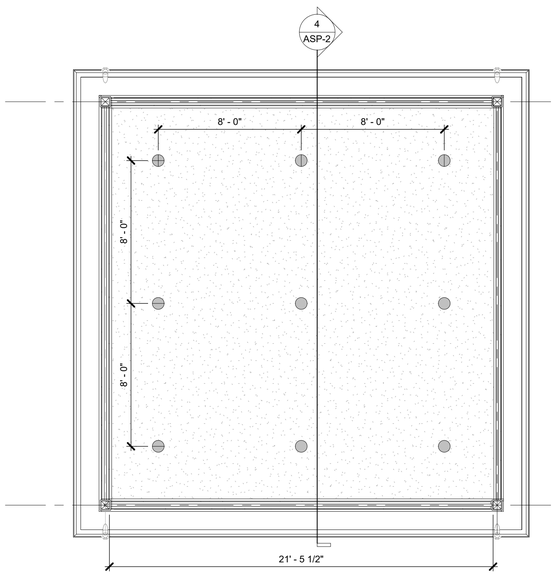
16 CLUSTER BOXES = 252 MAILBOXES
16 CLUSTER BOXES WITH 2 PARCEL BOXES EACH + 6 PARCEL BOXES WITH 4 PARCEL BOXES EACH = 58 PARCEL BOXES



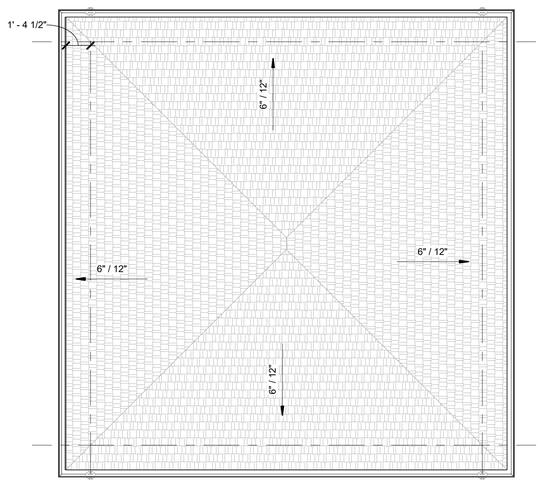
2 SIDE ELEVATION
1/4" = 1'-0"



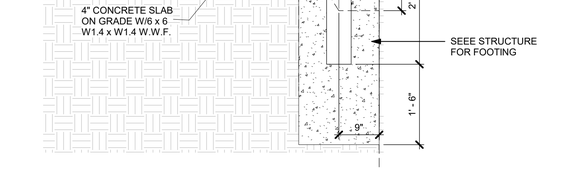
1 FIRST FLOOR PLAN
1/4" = 1'-0"



6 REFLECTED CEILING PLAN
1/4" = 1'-0"



5 ROOF PLAN
1/4" = 1'-0"



7 ENLARGED DETAIL
3/4" = 1'-0"

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SEAL

PROJECT TITLE

TWIN CREEK
WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
OFHA APPLICATION	09/25/23

REVISIONS

MARK	DESCRIPTION	DATE

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PROJECT NO.
22-018

SHEET TITLE
MAIL KIOSK DRAWINGS

SHEET NUMBER
ASP-2

T:\01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dr\7 CAD and Revit\AMENITIES\MAIL KIOSK.rvt
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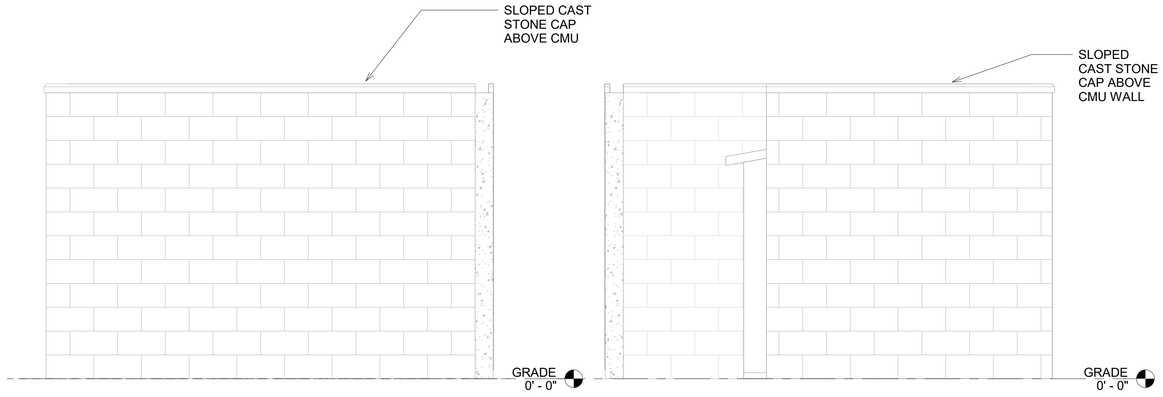
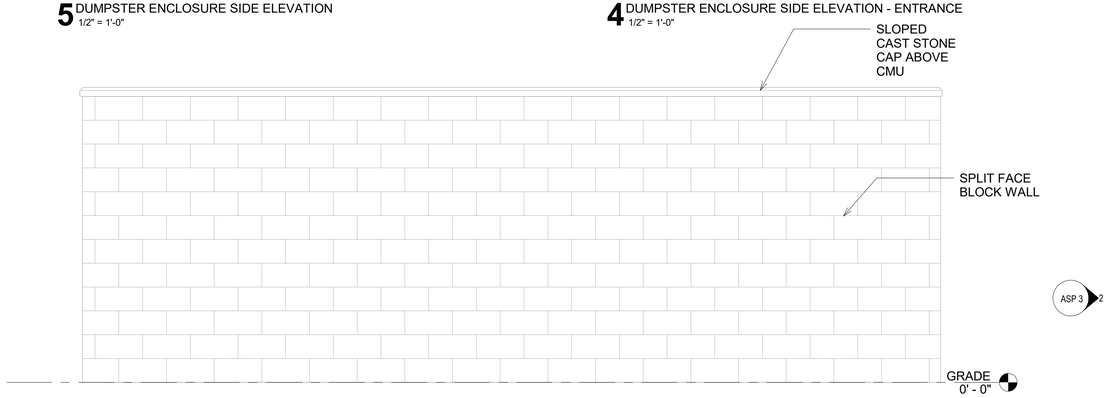
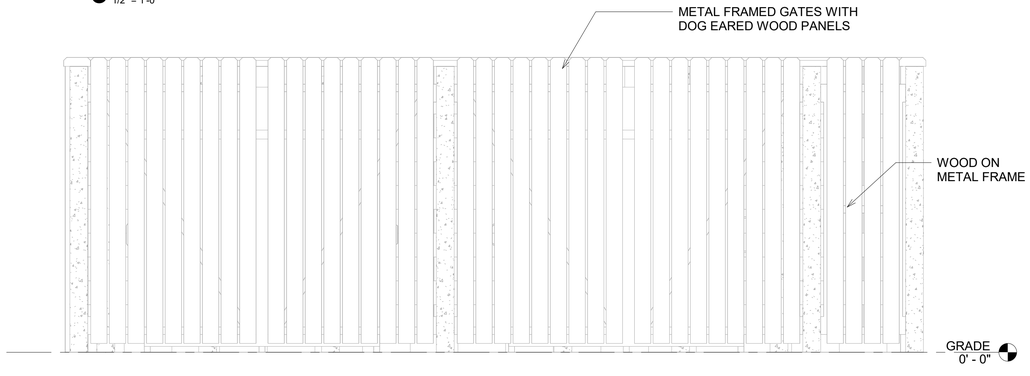


5 DUMPSTER ENCLOSURE SIDE ELEVATION
1/2" = 1'-0"

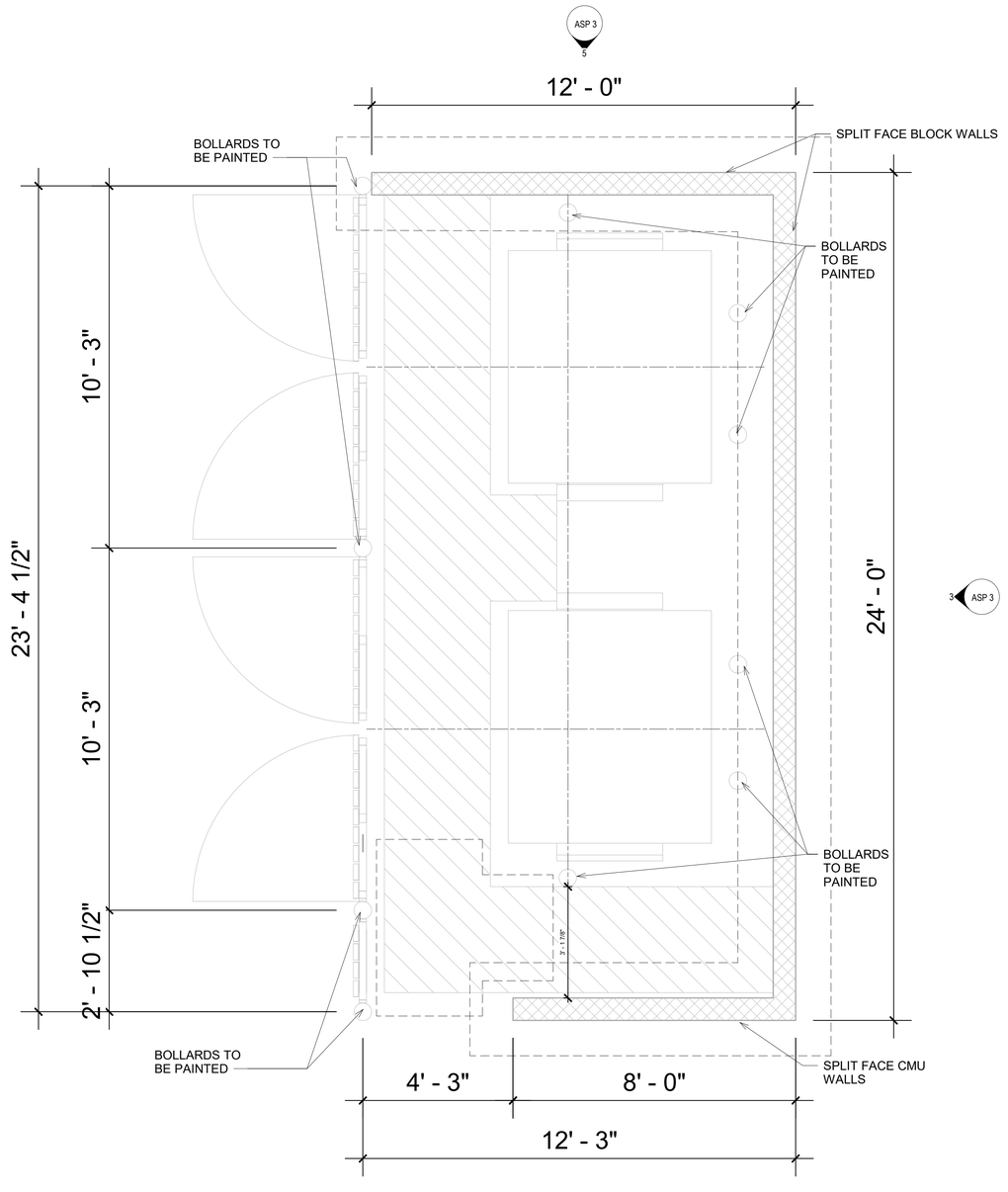


4 DUMPSTER ENCLOSURE SIDE ELEVATION - ENTRANCE
1/2" = 1'-0"



3 DUMPSTER ENCLOSURE REAR ELEVATION
1/2" = 1'-0"

2 DUMPSTER ENCLOSURE FRONT ELEVATION
1/2" = 1'-0"



1 DUMPSTER ENCLOSURE FLOOR PLAN
1/2" = 1'-0"

4
ASP 3

NOTE:
- COORDINATE ENTRANCE SIDE OF DUMPSTER ENCLOSURE WITH ARCHITECTURAL AND CIVIL SITE PLAN(S).
- COORDINATE GATE DETAILS AND FIXED FENCING WITH ARCHITECTURAL AND CIVIL SITE PLAN(S).

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SEAL

PROJECT TITLE

WEST FORK
WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
OFHA APPLICATION	09/25/23

REVISIONS

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PROJECT NO.
22-018

SHEET TITLE
DUMPSTER ENCLOSURE - CMU

SHEET NUMBER
ASP 3

T:\01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dr\7 CAD and Revit\AMENITIES\DUMPSTER ENCLOSURE - CMU.rvt
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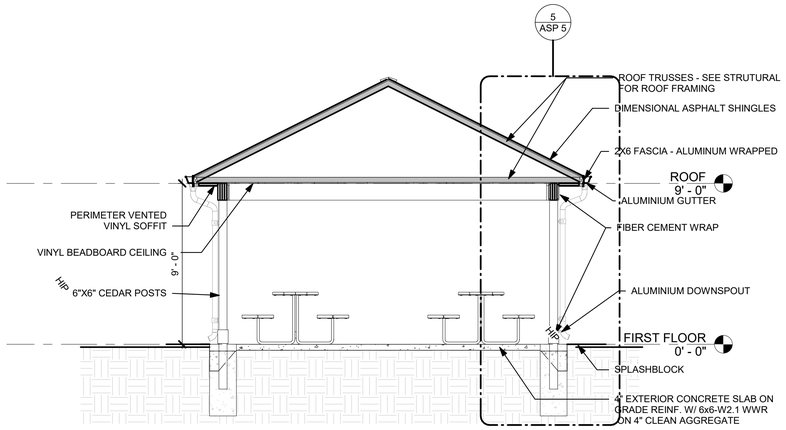
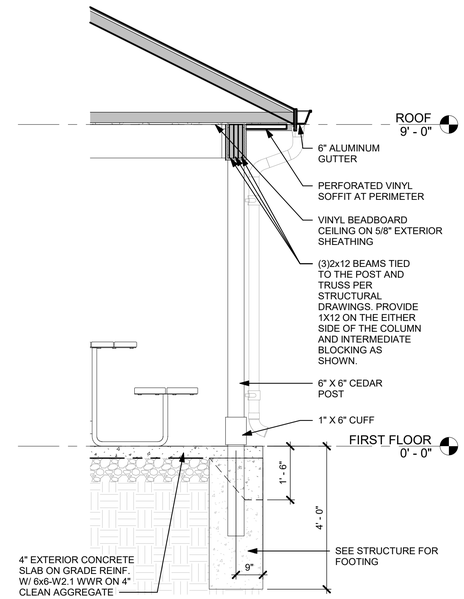
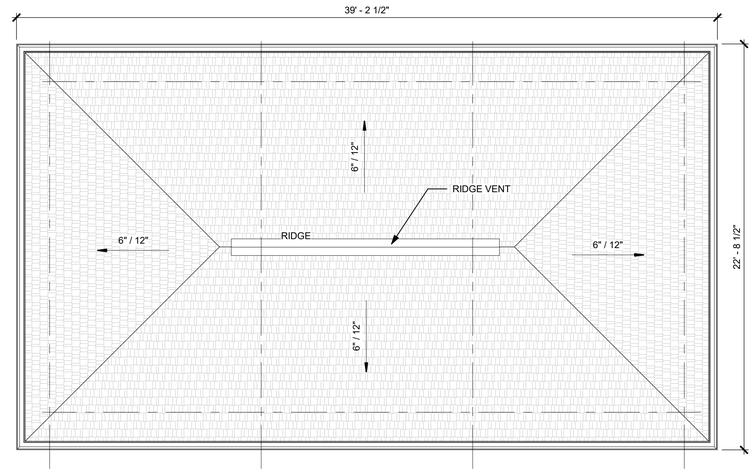


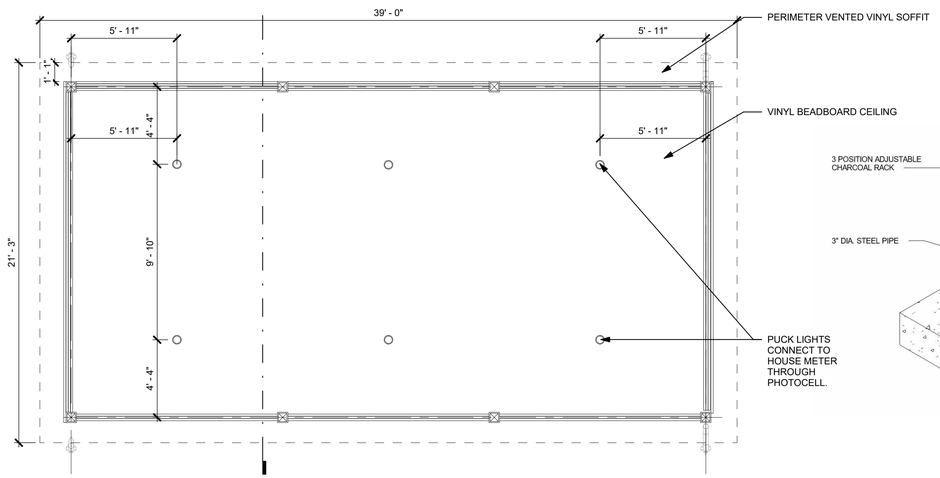
4 SECTION
1/4" = 1'-0"



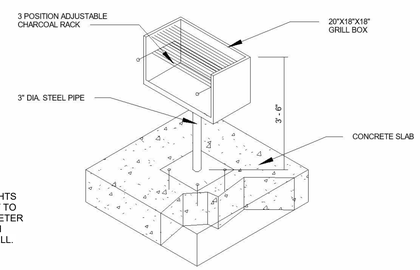
5 SECTION - DETAIL
1/2" = 1'-0"

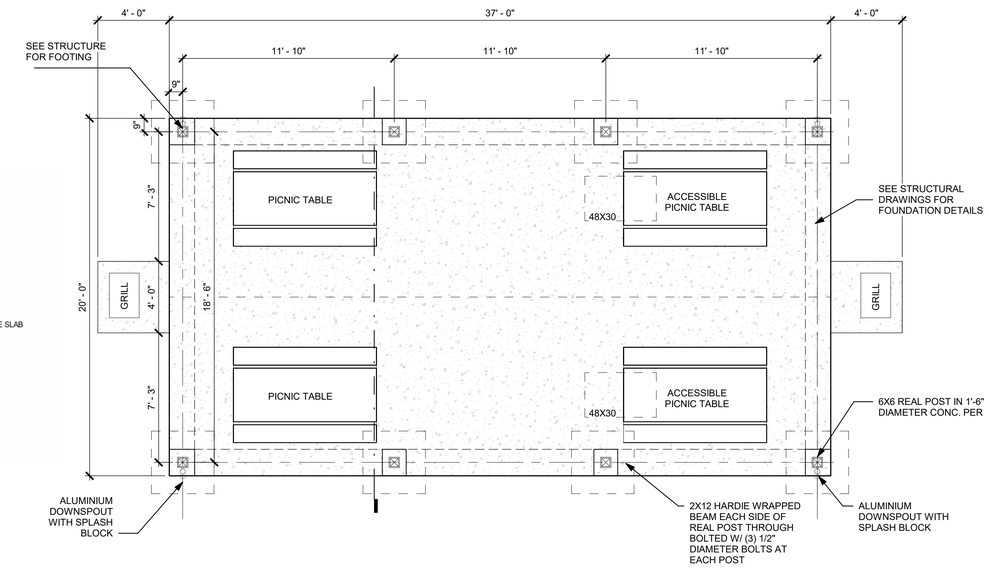


2 ROOF PLAN
1/4" = 1'-0"



3 REFLECTED CEILING PLAN
1/4" = 1'-0"





1 ENTERTAINMENT AREA - FLOOR PLAN
1/4" = 1'-0"

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SEAL

PROJECT TITLE

WEST FORK

WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

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PROJECT NO.

22-018

SHEET TITLE

ENTERTAINMENT PAVILION PLAN AND DETAILS

SHEET NUMBER

ASP 5

T:\01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dr\7 CAD and Revit\AMENITIES\ENTERTAINMENT PAVILION.rvt

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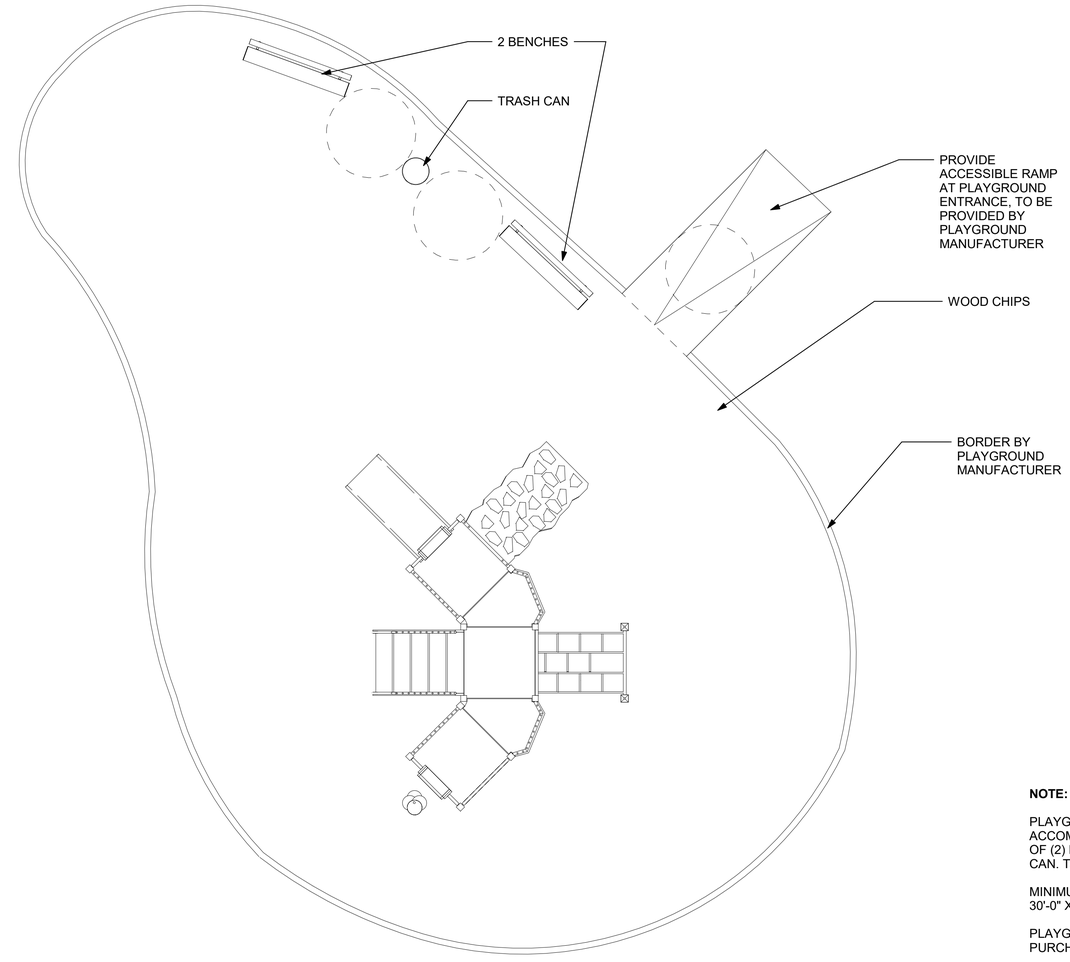

1 PLAYGROUND PLAN
1/4" = 1'-0"

NOTE:

PLAYGROUND MUST BE ACCOMPANIED BY A MINIMUM OF (2) BENCHES AND (1) TRASH CAN. TO BE SELECTED BY

MINIMUM PLAYGROUND SIZE IS 30'-0" X 50'-0"

PLAYGROUND EQUIPMENT PURCHASED BY OWNER

1553 SF PLAYGROUND AREA

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REVISIONS

MARK	DESCRIPTION	DATE

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PROJECT NO.

22-018

SHEET TITLE

PLAYGROUND PLAN AND DETAILS

SHEET NUMBER

ASP 6

T:\01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dr\7 CAD and Revit\AMENITIES\Playground.rvt

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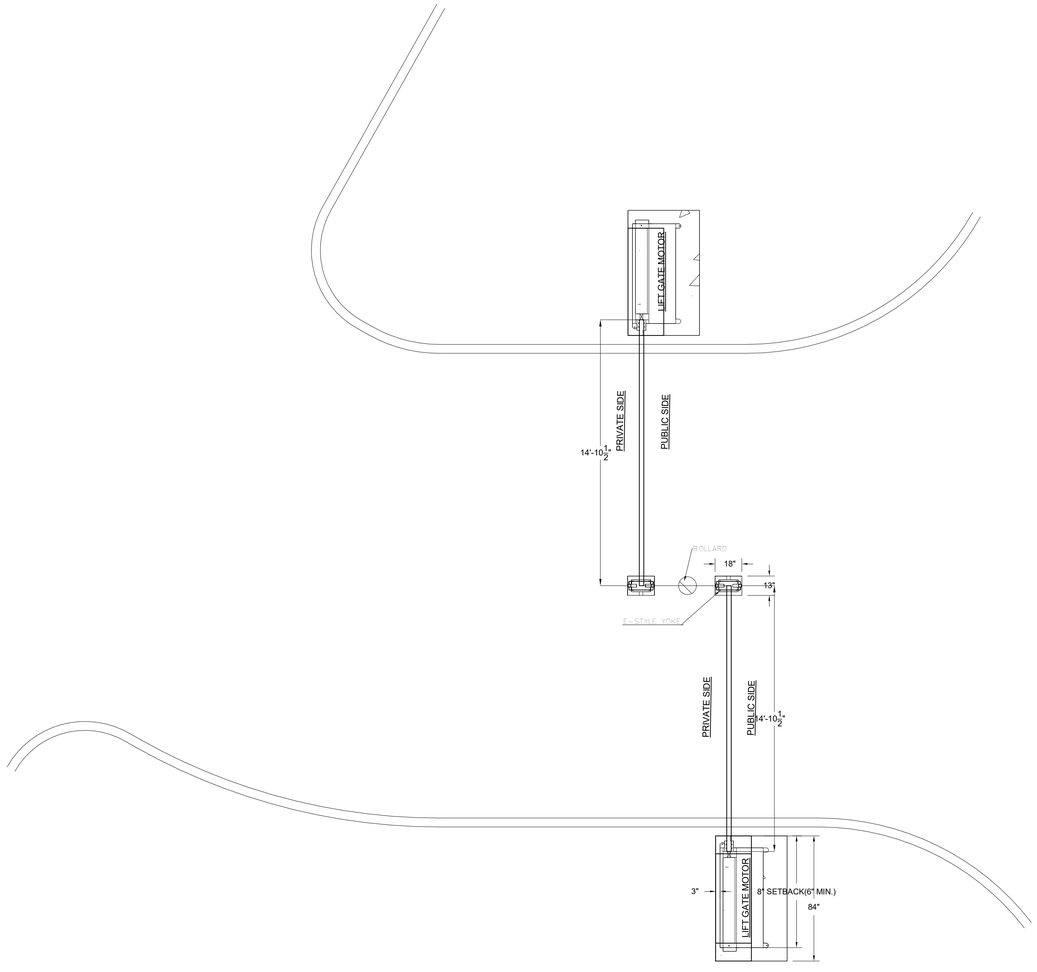
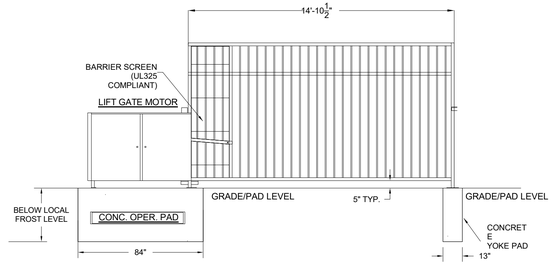
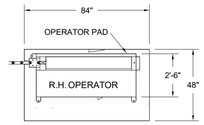


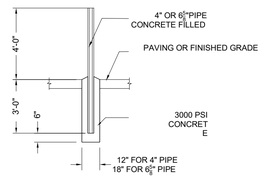
1 LIFT GATE DETAILS
1/4" = 1'-0"



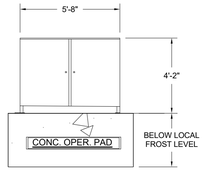
TYPICAL LIFT GATE ELEVATION



CONTROL BOX DETAIL



PIE BOLLARD



ELEVATION

T:\01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dr\7 CAD and Revit\BUIDLING 4BR6+2BR18+1BR12 - 9.13.23.rvt

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SEAL

PROJECT TITLE

WEST FORK

WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
OFHA APPLICATION	09/25/23

REVISIONS

MARK	DESCRIPTION	DATE

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PROJECT NO.

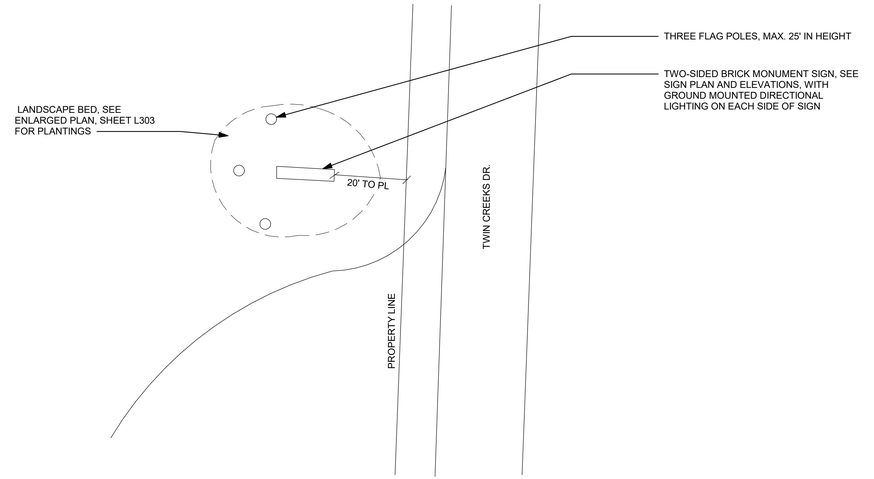
22-018

SHEET TITLE

LIFT GATE PLANS AND DETAILS

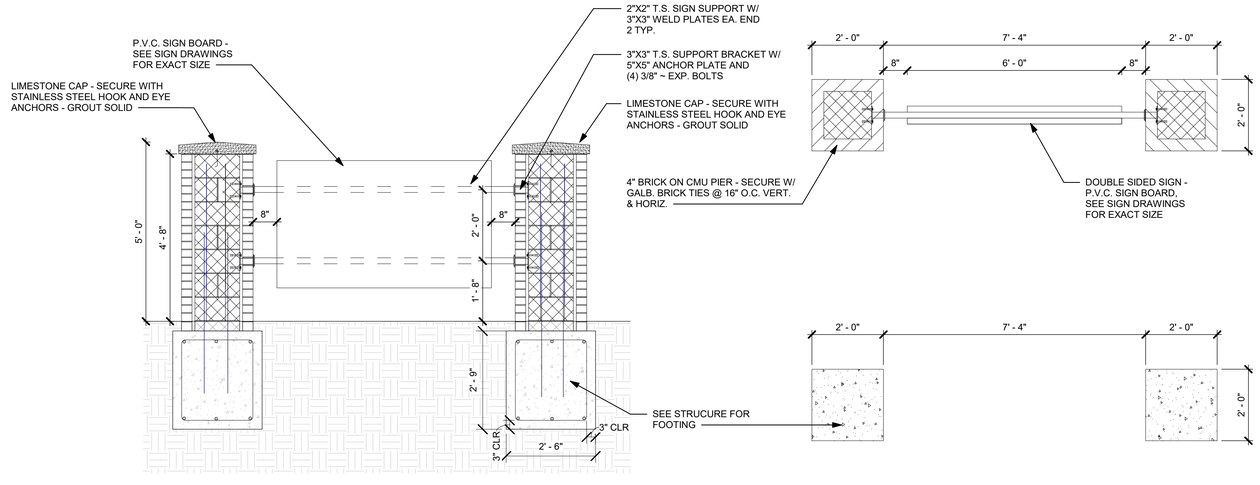
SHEET NUMBER

ASP-7



2 MONUMENT SIGN PLAN
N.T.S.

3 CONSTRUCTION SIGN
3/4" = 1'-0"



NOTE: UPLIGHTING TO BE ADDED

1 MONUMENT SIGN DETAILS
1/2" = 1'-0"

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SHEET TITLE

MONUMENT SIGN

SHEET NUMBER

ASP 8

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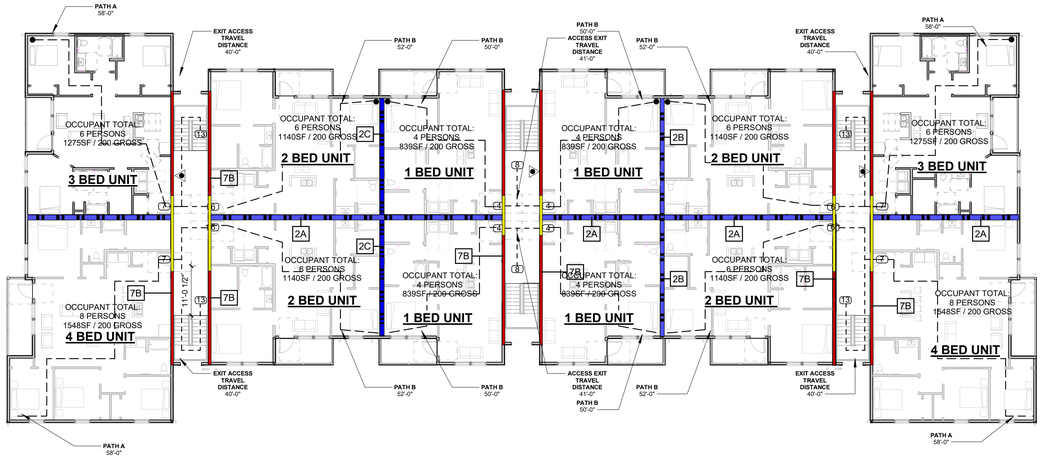


3 LIFE SAFETY - BUILDING 4BR6+3BR6+2BR12+1BR12 - THIRD FLOOR
1/16" = 1'-0"

2 LIFE SAFETY - BUILDING 4BR6+3BR6+2BR12+1BR12 - SECOND FLOOR
1/16" = 1'-0"

1 LIFE SAFETY - BUILDING 4BR6+3BR6+2BR12+1BR12 - FIRST FLOOR
1/16" = 1'-0"

LIFE SAFETY PLAN NOTES

1. PROVIDE FIRE EXTINGUISHERS AS SHOWN ON THIS DRAWING
2. COMPLY WITH NFPA 10. STANDARD FOR PORTABLE FIRE EXTINGUISHERS, 2002 EDITION. IN RESIDENTIAL PORTION OF BUILDING, MAXIMUM TRAVEL DISTANCE FROM ANY POINT TO FIRE EXTINGUISHER IS 75' FOR ALL CLASS A HAZARD OCCUPANCIES PER NFPA 10. TABLE 5.2.1 IN RESIDENTIAL PORTION, MAXIMUM TRAVEL DISTANCE IS 50' FOR CLASS B HAZARDS WITH 80-B EXTINGUISHER RATING PER NFPA 10, TABLE 5.3.1. CLASS A AREA OF COVERAGE IN RESIDENTIAL POTION OF BUILDING IS 4540 SF (500 SF LESS THAN 4000 SF FOR MAXIMUM AREA FOR EXTRA HAZARD OCCUPANCY). GLASS B AREA OF COVERAGE IN GARAGE IS 2040 SF.
3. FOR RESIDENTIAL AREAS, FIRE EXTINGUISHERS ARE TO BE PLACED IN CABINETS AND HAVE SIGNAGE ON DOOR AS SPECIFIED BELOW. FOR GARAGE AREAS, FIRE EXTINGUISHER CABINETS ARE NOT REQUIRED PROVIDE MOUNTING BRACKETS AND FIRE EXTINGUISHER SIGNAGE (INCLUDING DIRECTIONAL ARROW) AT 7' ABOVE FINISH FLOOR ABOVE EACH FIRE EXTINGUISHER LOCATION.
4. THE MAXIMUM PROJECTION FOR OBJECTS BETWEEN 27" AND 80" ABOVE THE FLOOR IS 4" ACCORDING TO FAIR HOUSING (PAGE 2.19), FEDERAL A.D.A. (SECTION .4), AND ICC/ANSI A117.1, (SECTION 307.2). RECESSED OR SEMI-RECESSED CABINETS ARE THEREFORE REQUIRED FOR FIRE EXTINGUISHERS.
5. MOUNT EXTINGUISHERS SO LATCH OF CABINET IS NO HIGHER THAN 48" ABOVE FINISH FLOOR.
6. BREEZEWAYS WALLS ARE RATED 1-HOUR PER I.B.C. TABLE 1004.3.2.1. FIRE EXTINGUISHER CABINETS ARE THEREFORE REQUIRED TO BE 1-HOUR FIRE-RATED.

LEGEND	
- - - - - - -	EGRESS ROUTE
	1 HR FIRE PARTITION - U341 - WALL TYPE 2A/2B
	1 HR FIRE BARRIER - V337 - WALL TYPE 7B
	2 HR FIRE RATED - U366 - WALL TYPE 2C
	1 HR FIRE PARTITION - V337 - WALL TYPE 7B
	FIRE EXTINGUISHER - LOCATE THE FIRE EXTINGUISHER IN SEMI-RECESSED CABINET

* FP: FIRE PARTITION - FRCC FOR VINYL SIDING U-DESIGN V337

NOTE:

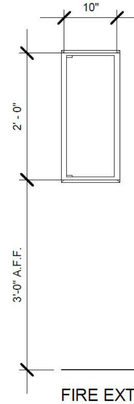
UL DESIGN LISTING:

FLOOR ASSEMBLY - UL L558

CEILING TO ROOF ASSEMBLY - UL P522

EXTERIOR WALLS - UL U356

FIRE PENETRATIONS F-C-2024



FIRE EXTINGUISHER
FRONT ELEVATION

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22-018

SHEET TITLE

4BR6+3BR6+2BR12+1BR12
LIFE SAFETY PLANS

SHEET NUMBER

AL-100

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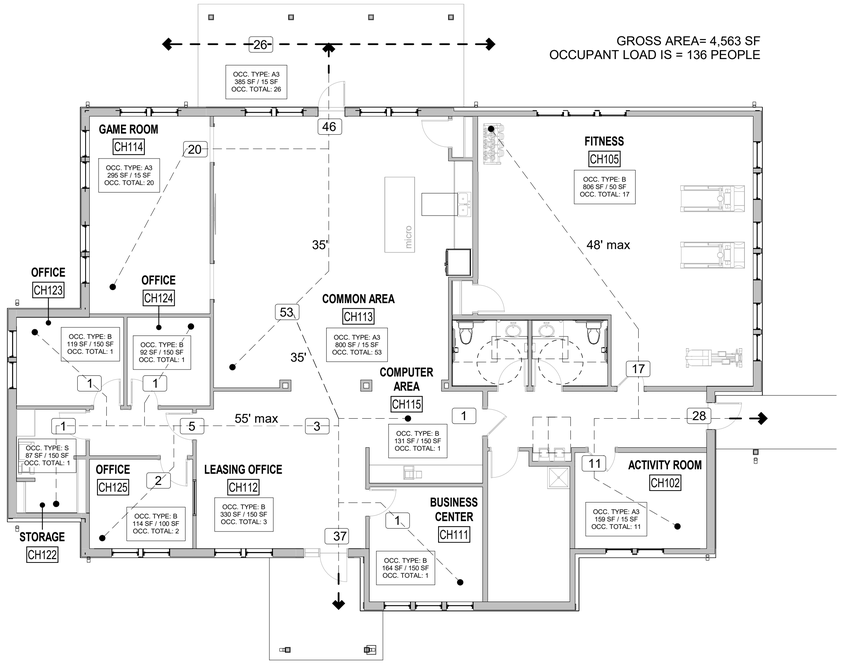
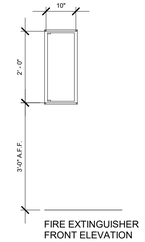


1 FIRST FLOOR
1/8" = 1'-0"



FIRE EXTINGUISHER
FRONT ELEVATION

LIFE SAFETY PLAN NOTES

1. ALL DOORS TO BE KEYLESS IN DIRECTION OF EGRESS. THUMB TURN HARDWARE NOTALLOWED.
2. ALL FIRE RATED DOORS TO BE SELF CLOSING AND LATCHING.
3. PROVIDE SAFETY GLAZING AT GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL ADJACENT TO A DOOR WHERE THE NEAREST EXPOSED EDGE OF THE GLAZING IS WITHIN A 24" ARC OF EITHER VERTICAL EDGE OF THE DOOR IN A CLOSED POSITION AND WHERE THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 60" ABOVE THE WALKING SURFACE.
4. EXIT SIGNAGE REQUIREMENT: SIGNS TO BE MOUNTED 5'-0" A.F.F. TO CENTERLINE ON WALL AT OPPOSITE SIDE OF DOOR IN A POSITION THAT IS READILY VISIBLE WHEN THE DOORS ARE IN OPEN AND CLOSED POSITIONS.
5. PROVIDE AND INSTALL 8"X8" ACCESS PANEL IN ALL GYP. BD. SOFFITS AND CEILINGS AT ALL FIRE DAMPERS, PLUMBING SHUT-OFF VALVES AND PLUMBING CLEAN-OUTS.
6. AN APPROVED KEY KNOX BOX WILL BE PROVIDED AND INSTALLED AS PER THE CITY OF COLUMBUS STANDARDS IN A LOCATION DETERMINED BY THE CITY.
7. ALL MEANS OF EGRESS AND FIRE PROTECTION SHALL BE MAINTAINED AT ALL TIMES.
8. EXIT SIGNS SHALL BE INTERNALLY ILLUMINATED.
9. INTERNALLY ILLUMINATED SIGNS SHALL BE LISTED AND LABELED AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
10. EXIT SIGNS SHALL BE ILLUMINATED AT ALL TIMES.
11. EXIT SIGNS SHALL BE CONNECTED TO AN EMERGENCY POWER SYSTEM THAT WILL PROVIDEAN ILLUMINATION OF NOT LESS THAN 90 MIN. IN CASE OF PRIMARY POWER LOSS.
12. DOOR HANDLES, LOCK AND OTHER OPERATING DEVICES SHALL BE INSTALLED AT A MIN. 34" AND A MAX. 48" ABOVE THE FINISH FLOOR.
13. THE MEANS OF EGRESS, INCLUDING THE EXIT DISCHARGE, SHALL BE ILLUMINATED AT ALLTIMES THE BUILDING SPACE SERVED BY THE MEANS OF EGRESS IS OCCUPIED. THE MEANS OF EGRESS ILLUMINATION LEVEL SHALL NOT BE LESS THAN 1 FOOT-CANDLE AT THE WALKING SURFACE.
14. ALL EXIT DOORS:
    A. CLEAR WIDTH OF EACH DOOR OPENING SHALL BE MIN. 32" OR PER TABLE 1005.1 WHICHEVER IS GREATER
    B. MIN. DOOR HEIGHT OF 6'-8"
    C. SHALL BE CAPABLE OF OPENING 90 DEGREES
    D. THE MAXIMUM WIDTH OF A SWINGING DOOR LEAF SHALL BE 48" NOMINAL
    E. EXIT DOOR SHALL BE SIDE-HINGED SWINGING TYPE.
15. PROVIDE A MINIMUM CORRIDOR WIDTH OF 44".
16. ADDITIONAL DIRECTIONAL EXIT SIGNAGE MAY BE REQUIRED BY THE CITY AT THE TIME OF FINAL INSPECTION.
17. ELECTRICALLY POWERED, SELF LUMINOUS AND PHOTO LUMINESCENT EXIT SIGNS SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL 924 AND SHALL BE INSTALLED INACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. SIGNS SHALL BE ILLUMINATED AT ALL TIMES.

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1		

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22-018

SHEET TITLE

CLUBHOUSE - LIFE SAFETY DIAGRAM

SHEET NUMBER

ACL-100

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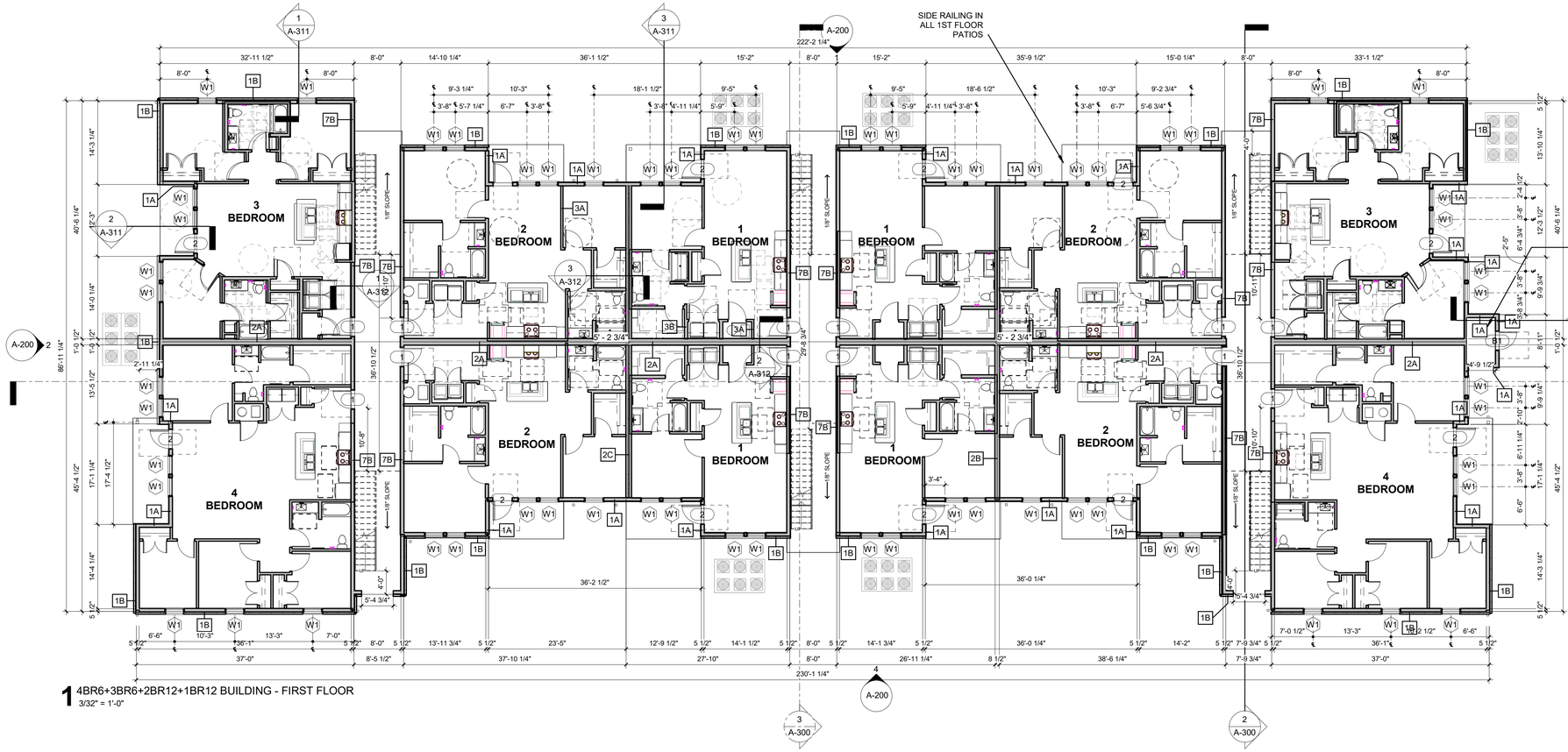

1 4BR6+3BR6+2BR12+1BR12 BUILDING - FIRST FLOOR
3/32" = 1'-0"

ARCHITECTURAL GENERAL NOTES

1. CONFORM ALL CONSTRUCTION TO ALL APPLICABLE CODES IN FORCE WITHIN THE JURISDICTION OF THE PROJECT. IF ANY SUCH RULES AND/OR REGULATIONS ARE IN CONFLICT WITH ANY PORTION OF THESE DOCUMENTS, THE CONSTRUCTION MANAGER SHALL BE INFORMED PRIOR TO PROCEEDING.
2. ALL INTERIOR BUILDING FINISHES SHALL CONFORM TO ALL APPLICABLE CODES IN FORCE WITHIN THE JURISDICTION OF THE PROJECT.
3. THE SUB-CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND JOB CONDITIONS PRIOR TO COMMENCING WORK AND SHALL REPORT TO THE GENERAL CONTRACTOR ANY DISCREPANCIES OR OMISSIONS WHICH WOULD INTERFERE WITH SATISFACTORY COMPLETION OF THE WORK.
4. ANY AND ALL PENETRATIONS SHALL BE SEALED (WITH SEALANT) TO PREVENT ANY TYPE OF ENERGY LOSS.
5. VERIFY ALL EXISTING CONDITIONS PRIOR TO START OF CONSTRUCTION. NOTIFY THE CONTRACT MANAGER IMMEDIATELY OF ANY CONFLICTS PRIOR TO PROCEEDING WITH WORK.
6. THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL APPLICABLE DIMENSIONS OF FIXTURES AND EQUIPMENT SUPPLIED AND/OR INSTALLED BY OTHERS.
7. THE POSTING OF AN OFFICIAL DESIGN RELEASE PLACARD AND THE MAINTENANCE OF ONE SET OF STATE-STAMPED PLANS AND SPECIFICATIONS ON THE JOB SITE ARE REQUIRED.
8. THE SUB-CONTRACTOR SHALL FILE ALL DRAWNGS FOR PERMIT APPLICATION OR OTHER MATERIALS REQUIRED TO SECURE ANY AND ALL BUILDING PERMITS AS MIGHT BE REQUIRED BY ANY LOCAL ORDINANCES TO PERFORM THIS WORK.
9. THE DRAWINGS SHALL NOT BE SCALED. FOR INFORMATION CONCERNING EXITING, PARTITIONS, ETC, VERIFICATIONS SHALL BE PERFORMED IN THE FIELD.
10. THE USE OF THE WORDS 'PROVIDE" OR "PROVIDED" IN CONNECTION WITH ANY ITEM SPECIFIED IS INTENDED TO MEAN, UNLESS OTHERWISE NOTED, THAT SUCH SHALL BE FURNISHED AND INSTALLED, AND CONNECTED WHERE SO REQUIRED.
11. UPON COMPLETION OF PROJECT, OBTAIN ALL FINAL INSPECTIONS AS REQUIRED BY LOCAL JURISDICTIONS AND FURNISH OWNER WITH EVIDENCE OF ALL SUCH INSPECTIONS AND CERTIFICATES OF OCCUPANCY.
12. UPON COMPLETION OF PROJECT, PROVIDE OWNER WITH ALL INSTRUCTION MANUALS, WARRANTIES, OR OTHER DOCUMENTS REQUIRED FOR OPERATION OR MAINTENANCE OF ANY ITEM IN THE CONTRACTORS' WORK.
13. THESE CONSTRUCTION NOTES AND/OR DRAWINGS ARE SUPPLIED TO ILLUSTRATE THE DESIGN AND GENERAL TYPE OF CONSTRUCTION DESIRED AND ARE INTENDED TO IMPLY THE FINEST QUALITY OF CONSTRUCTION MATERIAL AND WORKMANSHIP THROUGHOUT.
14. THE GENERAL CONTRACTOR SHALL MAINTAIN A CURRENT AND COMPLETE SET OF CONSTRUCTION DOCUMENTS AT THE SITE DURING ALL PHASES OF CONSTRUCTION FOR USE BY ALL TRADES.
15. ALL MEANS OF EGRESS AND FIRE PROTECTION SHALL BE MAINTAINED AT ALL TIMES. ANY SHUT DOWN OF LIFE SAFETY OR BUILDING SYSTEMS SHALL BE APPROVED AND COORDINATED IN ADVANCE WITH THE OWNER AND LOCAL BUILDING DEPARTMENT.
16. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECTIMMEDIATELY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL DRAWINGS AND SPECIFICATIONS PRIOR TO BEGINNING WORK AND/OR PLACING ORDERS.
17. TYPICAL SECTIONS MAY NOT BE INDICATED ON PLAN SHEETS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO USE TYPICAL SECTIONS WHERE REQUIRED.
18. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY BRACING AND/OR SHORING UNTIL THE PERMANENT BRACING IS IN PLACE.
19. ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. SEE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION REGARDING THE SIZE AND QUANTITY OF OPENINGS, SLAB REQUIREMENTS AND LINTELS.
20. THESE DRAWINGS ARE NOT TO BE SEPERATED.
21. ALL DIMENSIONS ARE TO FACE OF FRAMING UN LESS NOTED OTHERWISE.
22. REFER TO SITE PLAN FOR LOCATION OF ACCESSIBLE AND AV UNITS.
23. ALL FIRST UNIT ARE ADAPTABLE.

INSULATION NOTES

1. ECO BATT IS TO BE USED, DO NOT INSET STAPLE, STAPLE DIRECTLY TO THE FACE OF THE STUD.
2. INSULATION TO BE INSTALLED TO GRADE I STANDARDS PER ENERGY STAR ASHRAE 90.1.2012 OR CURRENT ADOPTED OHIO STANDARDS WITH NO GAPS OR VOIDS OR COMPRESSION.
3. INSULATION IS TO BE SPLIT AND INSTALLED AROUND PIPES AND ELECTRICAL WIRING, AVOID COMPRESSING INSULATION.
4. ROOF INSULATION SHALL NOT BE COMPRESSED AFTER INSTALLATION, RULERS ARE TO BE USED AND ADDITIONAL INSULATION IS TO BE ADDED IF R VALUE DECREASES BEFORE THE END OF CONSTRUCTION.
5. CAULK PERIMETER BEHIND DRYWALL AT EXTERIOR BOUNDARY CONDITIONS AND ALL PARTY WALLS.
6. SUBCONTRACTORS TO USE THE SMALLEST PENETRATIONS POSSIBLE AND TO PROPERLY SEAL ALL OF THEIR PENETRATIONS THROUGH EXTERIOR AND PARTY WALLS, AND THROUGH ALL FLOORS AND CEILINGS USING MASTIC OR CAULK, TO INCLUDE BUT NOT LIMITED TO PLUMBING, ELECTRICAL, DUCTS, SHAFTS AND LIGHT FIXTURES. USE FIRE RATED CAULK AND/OR COLLARS WHERE NECESSARY TO MAINTAIN FIRE RATINGS.
7. CAULK PERIMETER AND PARTY WALL SILL AND TOP PLATES TO PREVENT AIR LEAKAGE SO AS TO BE IN COMPLIANCE WITH ICC IECC SECTION R 402.4.1.2 OR C 402.4 AS APPLICABLE.
8. PROPERLY SEAL AIR GAPS IN EXTERIOR AND FLOOR FRAMING PRIOR TO INSTALLATION OF INSULATION.
9. ACOUSTIC INSULATION USED IN INTERIOR DESMISING WALL AND FLOOR/CEILING ASSEMBLIES

FLOOR PLAN LEGEND

- M01 DOOR TAG
- W1 WINDOW TAG
- 3B WALL TAG

UNIT COUNT

1 BEDROOM UNIT - 12
2 BEDROOM UNIT - 12
3 BEDROOM UNIT - 6
4 BEDROOM UNIT - 6

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PROJECT NO.

22-018

SHEET TITLE

4BR6+3BR6+2BR12+1BR12
FIRST FLOOR PLAN

SHEET NUMBER

A-100

T:\01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dr\17 CAD and Revit\BUIDLING 4BR6+2BR18+1BR12 - 9.13.23.rvt

9/21/2023 4:46:54 PM

ARCHITECTURAL GENERAL NOTES

1. CONFORM ALL CONSTRUCTION TO ALL APPLICABLE CODES IN FORCE WITHIN THE JURISDICTION OF THE PROJECT. IF ANY SUCH RULES AND/OR REGULATIONS ARE IN CONFLICT WITH ANY PORTION OF THESE DOCUMENTS, THE CONSTRUCTION MANAGER SHALL BE INFORMED PRIOR TO PROCEEDING.
2. ALL INTERIOR BUILDING FINISHES SHALL CONFORM TO ALL APPLICABLE CODES IN FORCE WITHIN THE JURISDICTION OF THE PROJECT.
3. THE SUB-CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND JOB CONDITIONS PRIOR TO COMMENCING WORK AND SHALL REPORT TO THE GENERAL CONTRACTOR ANY DISCREPANCIES OR OMISSIONS WHICH WOULD INTERFERE WITH SATISFACTORY COMPLETION OF THE WORK.
4. ANY AND ALL PENETRATIONS SHALL BE SEALED (WITH SEALANT) TO PREVENT ANY TYPE OF ENERGY LOSS.
5. VERIFY ALL EXISTING CONDITIONS PRIOR TO START OF CONSTRUCTION. NOTIFY THE CONTRACT MANAGER IMMEDIATELY OF ANY CONFLICTS PRIOR TO PROCEEDING WITH WORK.
6. THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL APPLICABLE DIMENSIONS OF FIXTURES AND EQUIPMENT SUPPLIED AND/OR INSTALLED BY OTHERS.
7. THE POSTING OF AN OFFICIAL DESIGN RELEASE PLACARD AND THE MAINTENANCE OF ONE SET OF STATE-STAMPED PLANS AND SPECIFICATIONS ON THE JOB SITE ARE REQUIRED.
8. THE SUB-CONTRACTOR SHALL FILE ALL DRAWINGS FOR PERMIT APPLICATION OR OTHER MATERIALS REQUIRED TO SECURE ANY AND ALL BUILDING PERMITS AS MIGHT BE REQUIRED BY ANY LOCAL ORDINANCES TO PERFORM THIS WORK.
9. THE DRAWINGS SHALL NOT BE SCALED. FOR INFORMATION CONCERNING EXITING, PARTITIONS, ETC, VERIFICATIONS SHALL BE PERFORMED IN THE FIELD.
10. THE USE OF THE WORDS 'PROVIDE" OR "PROVIDED" IN CONNECTION WITH ANY ITEM SPECIFIED IS INTENDED TO MEAN, UNLESS OTHERWISE NOTED, THAT SUCH SHALL BE FURNISHED AND INSTALLED, AND CONNECTED WHERE SO REQUIRED.
11. UPON COMPLETION OF PROJECT, OBTAIN ALL FINAL INSPECTIONS AS REQUIRED BY LOCAL JURISDICTIONS AND FURNISH OWNER WITH EVIDENCE OF ALL SUCH INSPECTIONS AND CERTIFICATES OF OCCUPANCY.
12. UPON COMPLETION OF PROJECT, PROVIDE OWNER WITH ALL INSTRUCTION MANUALS, WARRANTIES, OR OTHER DOCUMENTS REQUIRED FOR OPERATION OR MAINTENANCE OF ANY ITEM IN THE CONTRACTORS' WORK.
13. THESE CONSTRUCTION NOTES AND/OR DRAWINGS ARE SUPPLIED TO ILLUSTRATE THE DESIGN AND GENERAL TYPE OF CONSTRUCTION DESIRED AND ARE INTENDED TO IMPLY THE FINEST QUALITY OF CONSTRUCTION MATERIAL AND WORKMANSHIP THROUGHOUT.
14. THE GENERAL CONTRACTOR SHALL MAINTAIN A CURRENT AND COMPLETE SET OF CONSTRUCTION DOCUMENTS AT THE SITE DURING ALL PHASES OF CONSTRUCTION FOR USE BY ALL TRADES.
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18. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY BRACING AND/OR SHORING UNTIL THE PERMANENT BRACING IS IN PLACE.
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20. THESE DRAWINGS ARE NOT TO BE SEPERATED.
21. ALL DIMENSIONS ARE TO FACE OF FRAMING UN LESS NOTED OTHERWISE.
22. REFER TO SITE PLAN FOR LOCATION OF ACCESSIBLE AND AV UNITS.
23. ALL FIRST UNIT ARE ADAPTABLE.

INSULATION NOTES

1. ECO BATT IS TO BE USED, DO NOT INSET STAPLE, STAPLE DIRECTLY TO THE FACE OF THE STUD.
2. INSULATION TO BE INSTALLED TO GRADE I STANDARDS PER ENERGY STAR ASHRAE 90.1.2012 OR CURRENT ADOPTED OHIO STANDARDS WITH NO GAPS OR VOIDS OR COMPRESSION.
3. INSULATION IS TO BE SPLIT AND INSTALLED AROUND PIPES AND ELECTRICAL WIRING, AVOID COMPRESSING INSULATION.
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6. SUBCONTRACTORS TO USE THE SMALLEST PENETRATIONS POSSIBLE AND TO PROPERLY SEAL ALL OF THEIR PENETRATIONS THROUGH EXTERIOR AND PARTY WALLS, AND THROUGH ALL FLOORS AND CEILINGS USING MASTIC OR CAULK, TO INCLUDE BUT NOT LIMITED TO PLUMBING, ELECTRICAL, DUCTS, SHAFTS AND LIGHT FIXTURES. USE FIRE RATED CAULK AND/OR COLLARS WHERE NECESSARY TO MAINTAIN FIRE RATINGS.
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8. PROPERLY SEAL AIR GAPS IN EXTERIOR AND FLOOR FRAMING PRIOR TO INSTALLATION OF INSULATION.
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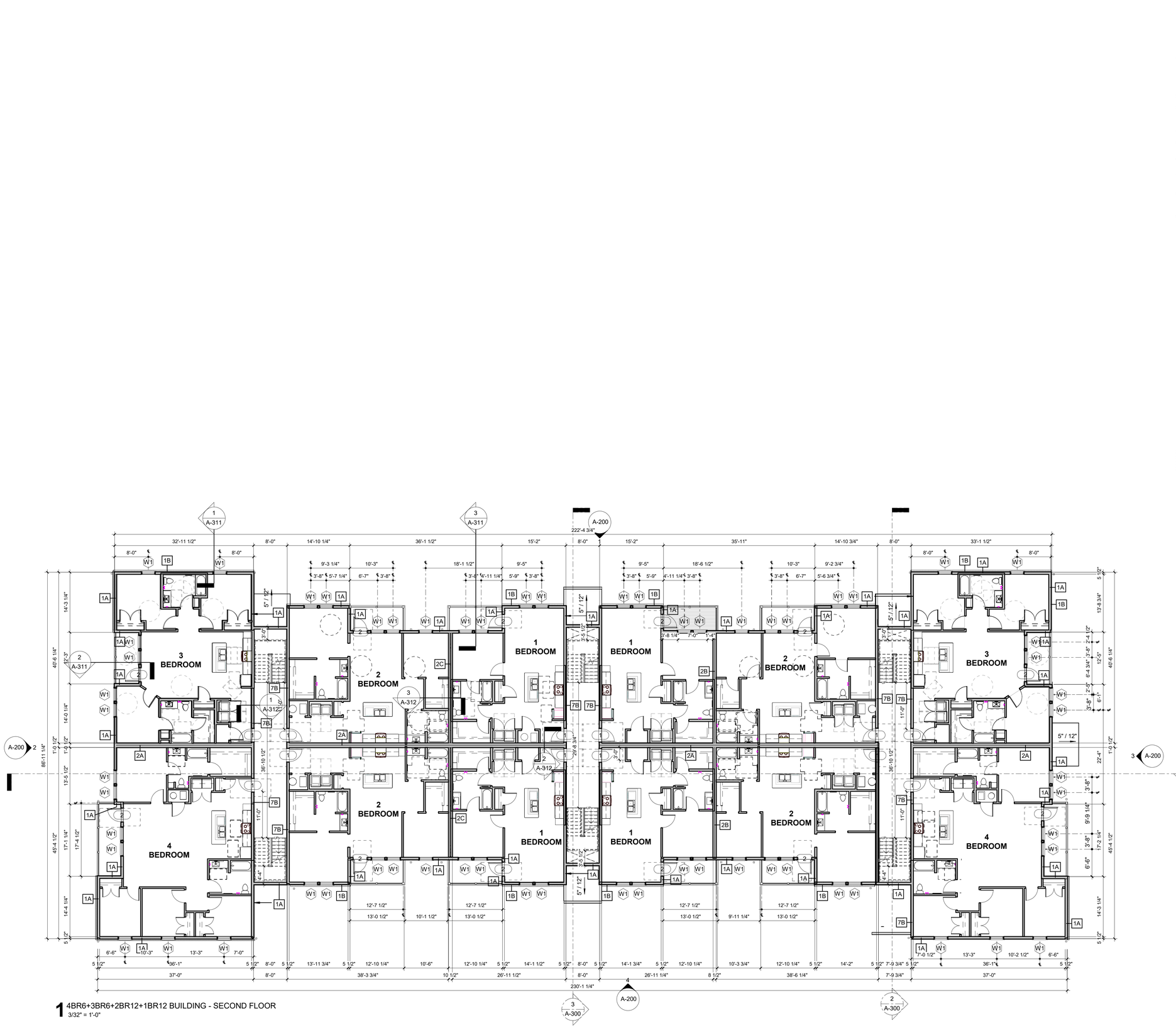

1 4BR6+3BR6+2BR12+1BR12 BUILDING - SECOND FLOOR
3/32" = 1'-0"

KITTLE
PROPERTY GROUP INC
310 East 96th Street, Suite 400
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(317) 846-3111
www.kittleproperties.com

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SEAL

PROJECT TITLE

WEST FORK

WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
OFHA APPLICATION	09/25/23

REVISIONS

MARK	DESCRIPTION	DATE

DO NOT SCALE PRINTS - USE FIGURED DIMENSIONS ONLY

PROJECT NO.

22-018

SHEET TITLE

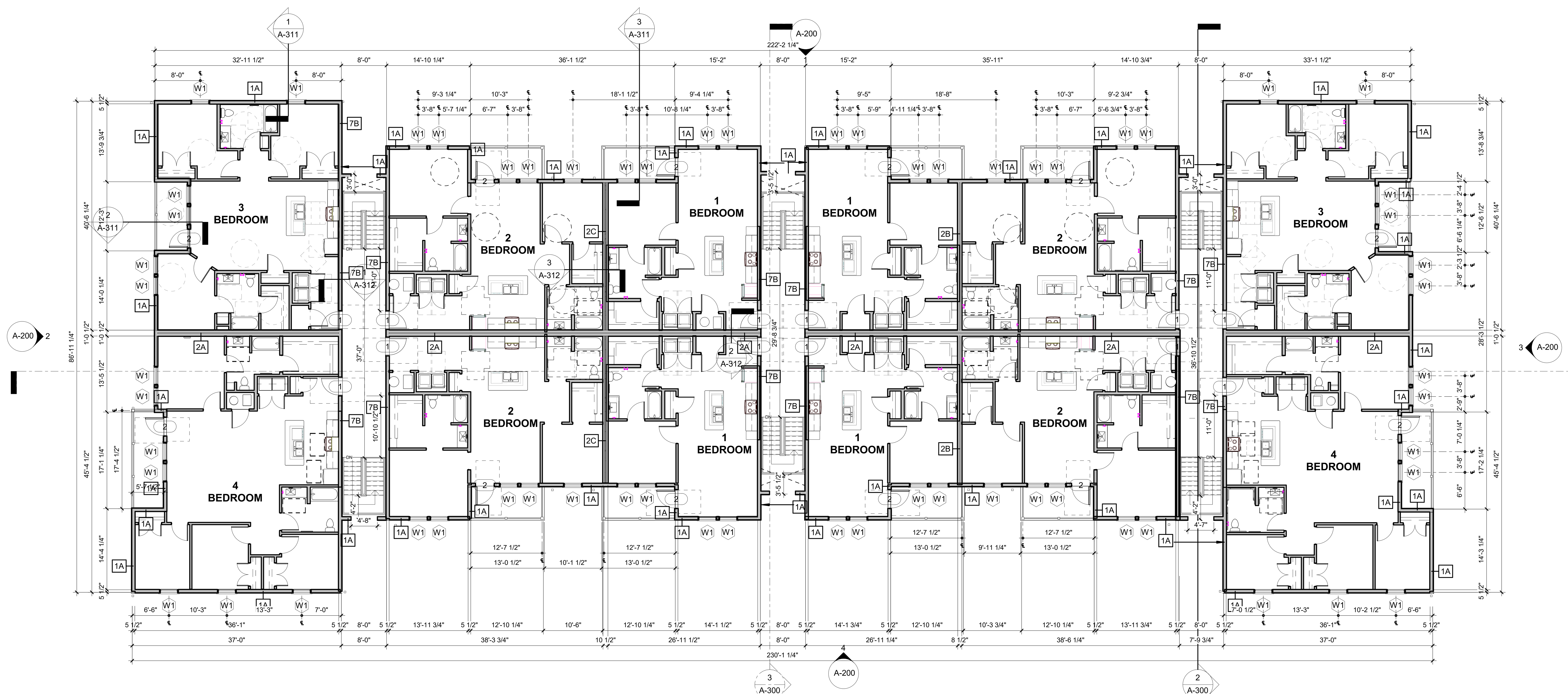
4BR6+3BR6+2BR12+1BR12
SECOND FLOOR PLAN

SHEET NUMBER

A-101

T:01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dr\7 CAD and Revit\BUILDING 4BR6+2BR18+1BR12 - 9.13.23.rvt

9/22/2023 6:35:38 AM



1 4BR6+3BR6+2BR12+1BR12 BUILDING - THIRD FLOOR
3/32" = 1'-0"

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FLOOR PLAN LEGEND

- M01 DOOR TAG
- W1 WINDOW TAG
- 3B WALL TAG

UNIT COUNT

1 BEDROOM UNIT - 12
2 BEDROOM UNIT - 12
3 BEDROOM UNIT - 6
4 BEDROOM UNIT - 6

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SEAL

PROJECT TITLE

WEST FORK

WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
OFHA APPLICATION	09/25/23

REVISIONS

MARK	DESCRIPTION	DATE

DO NOT SCALE PRINTS - USE FIGURED DIMENSIONS ONLY

PROJECT NO.

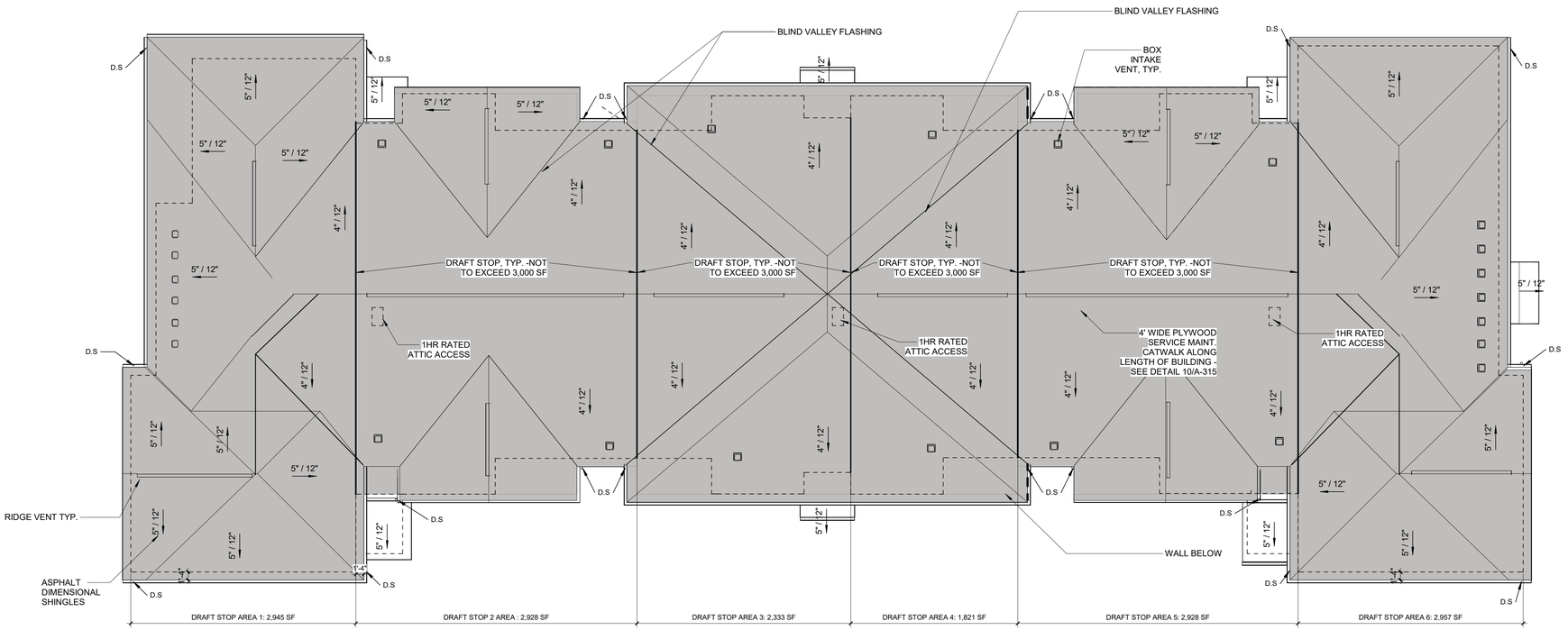
22-018

SHEET TITLE

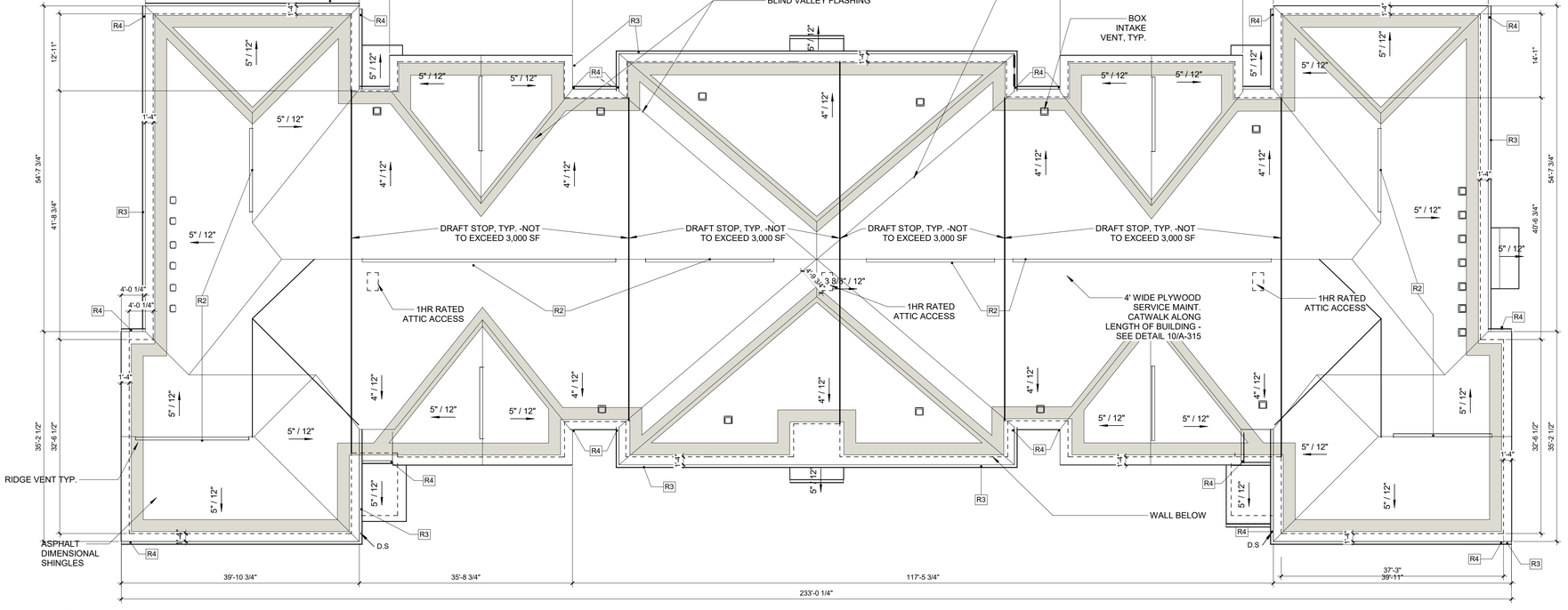
4BR6+3BR6+2BR12+1BR12 - THIRD FLOOR PLAN

SHEET NUMBER

A-102



2 4BR6+3BR6+2BR12+1BR12 BUILDING - ROOF VENTILATION PLAN
3/32" = 1'-0"



1 4BR6+3BR6+2BR12+1BR12 BUILDING - ROOF PLAN
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FLOOR PLAN LEGEND

- M01 — DOOR TAG
- W1 — WINDOW TAG
- 3B — WALL TAG

KEYNOTE LEGEND

KEYNOTE	KEYNOTE TEXT
R2	RIDGE VENT
R3	ALUMINUM GUTTER
R4	DOWNSPOUTS TO TIE INTO STORM DRAINS

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MARK	DESCRIPTION	DATE

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PROJECT NO.

22-018

SHEET TITLE

4BR6+2BR18+1BR12 - ROOF PLAN

SHEET NUMBER

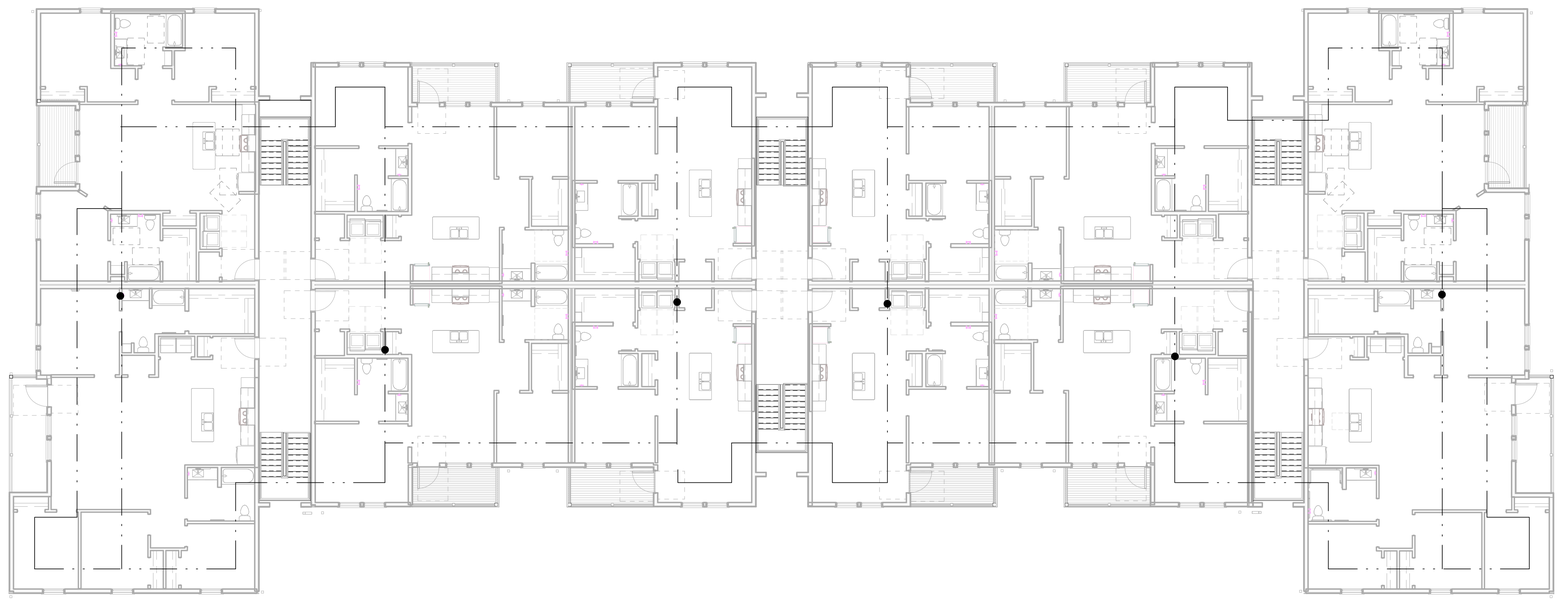
A-103

T:\01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dr\17 CAD and Revit\BUIDLING 4BR6+2BR18+1BR12 - 9.13.23.rvt

9/25/2023 10:01:47 AM

T:\01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dr\7 CAD and Revit\BUIDLING 4BR6+2BR18+1BR12 - 9.13.23.rvt

9/21/2023 4:50:36 PM



1 VAPOR MITIGATION SYSTEM PLAN - 3BR12+2BR12+1BR12 BUILDING
3/32" = 1'-0"

LEGEND

- VERTICAL 4" PVC PIPE *
- RADON PIPES LOCATION

NOTES:
RADON VERTICAL PIPES NEED TO BE EVERY 2,000 SF MAX
*CHASE 4" PVC VENT STACK AND EXTRACTOR PIT. CONTINUE VENT STACK TO ATTIC SPACE AND VENT THROUGH ROOF. SEE MECH DETAIL

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SEAL

PROJECT TITLE

WEST FORK

WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
OFHA APPLICATION	09/25/23

REVISIONS

MARK	DESCRIPTION	DATE

DO NOT SCALE PRINTS - USE FIGURED DIMENSIONS ONLY

PROJECT NO.

22-018

SHEET TITLE

VAPOR MITIGATION SYSTEM PLAN - 4BR6+2BR18+1BR12 BUILDING

SHEET NUMBER

A-111

1 4BR6+3BR6+2BR12+1BR12 - FRONT ELEVATION
3/32" = 1'-0"

3 4BR6+3BR6+2BR12+1BR12 - RIGHT ELEVATION
3/32" = 1'-0"

2 4BR6+3BR6+2BR12+1BR12 - LEFT ELEVATION
3/32" = 1'-0"

4 4BR6+3BR6+2BR12+1BR12 - REAR ELEVATION
3/32" = 1'-0"

ELEVATIONS KEYNOTES

Key Value	Keynote Text
E1	DIMENSIONAL ASPHALT SHINGLE ROOF - 30 YEAR WARRANTY
E2	BRICK
E5	VINYL WINDOWS - SEE WINDOW SCHEDULE
E6	1X6 TRIM BETWEEN WINDOWS - PAINTED, SATIN FINISH
E7	BRICK SILL
E8	BRICK HEADER
E9	WOOD BEAM / 1X12 HARDIE WRAP ONLY ON EXPOSED FACE - SEE STRUCTURE FOR DIM
E10	6X6" REAL POST COLUMN, CUFFED IN FIBER CEMENT BASE AND CAP - ALL PORCHES AND BALCONIES
E12	6" ALUMINUM GUTTER & DOWNSPOUTS, PRE FINIHED
E13	DOWNSPOUTS (TYP.) TO TIE INTO STORM DRAINS
E15	RIDGE VENT
E18	COMPOSITE RAILING
E20	1x4 FIBERCEMENT TRIM BOARD, PAINTED, SATIN FINISH
E22	2X6 WRAPPED ALUMINUM FASCIA
E23	FIBERGLAS PATIO ENTRY DOOR PAINTED, SATIN FINISH
E24	VINYL SIDING - COLOR 3
E25	VINYL SIDING - COLOR 1
E26	VINYL SIDING - COLOR 2
E27	WALL PACKS - 20' AT APARTMENT BUILDINGS
E28	STEEL RAILING - ONLY AT BREZEWAYS AND STAIRS

BUILDING MATERIAL BREAKDOWN

VINYL SIDING - 80%
BRICK - 20%

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PROJECT NO.

22-018

SHEET TITLE

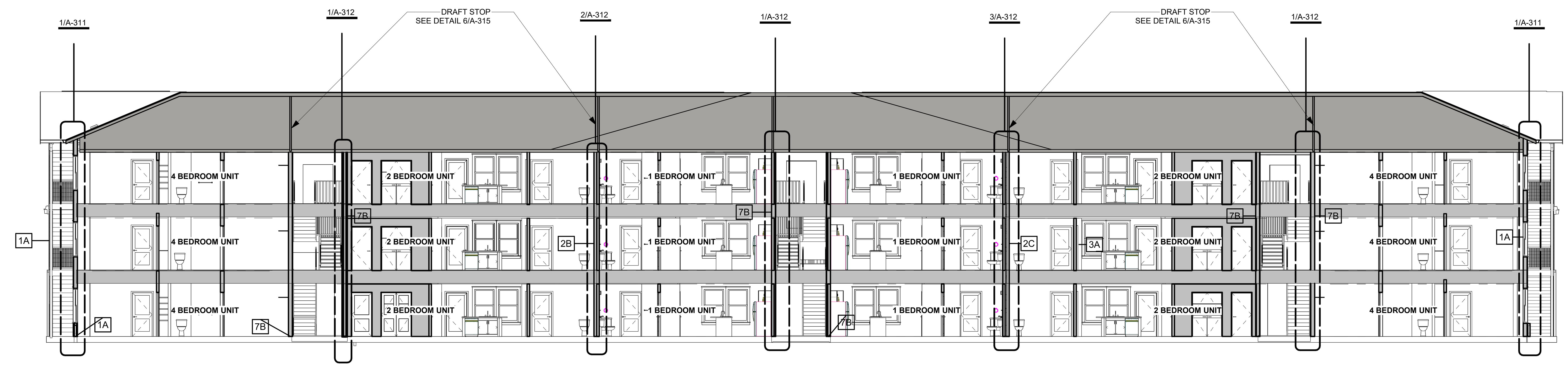
BUILDING EXTERIOR ELEVATIONS

SHEET NUMBER

A-200

T:\01 PROJECTS\202222-018 Columbus OH - Wilson Rd & Twin Creeks Dr\7 CAD and Revit\BUILDING 4BR6+2BR18+1BR12 - 9.13.23.rvt

9/25/2023 10:13:56 AM



1 BUILDING 4BR6+3BR6+2BR12+1BR12 SECTION A
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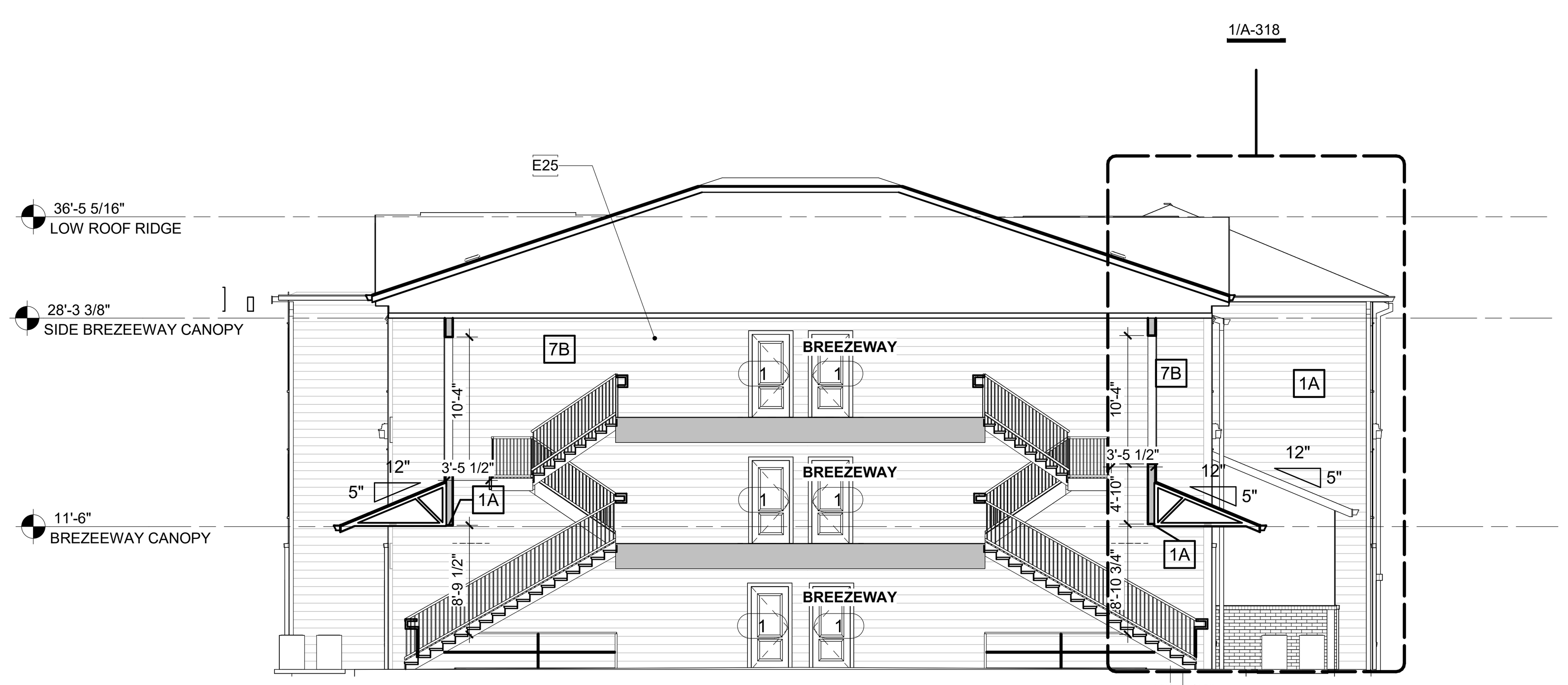
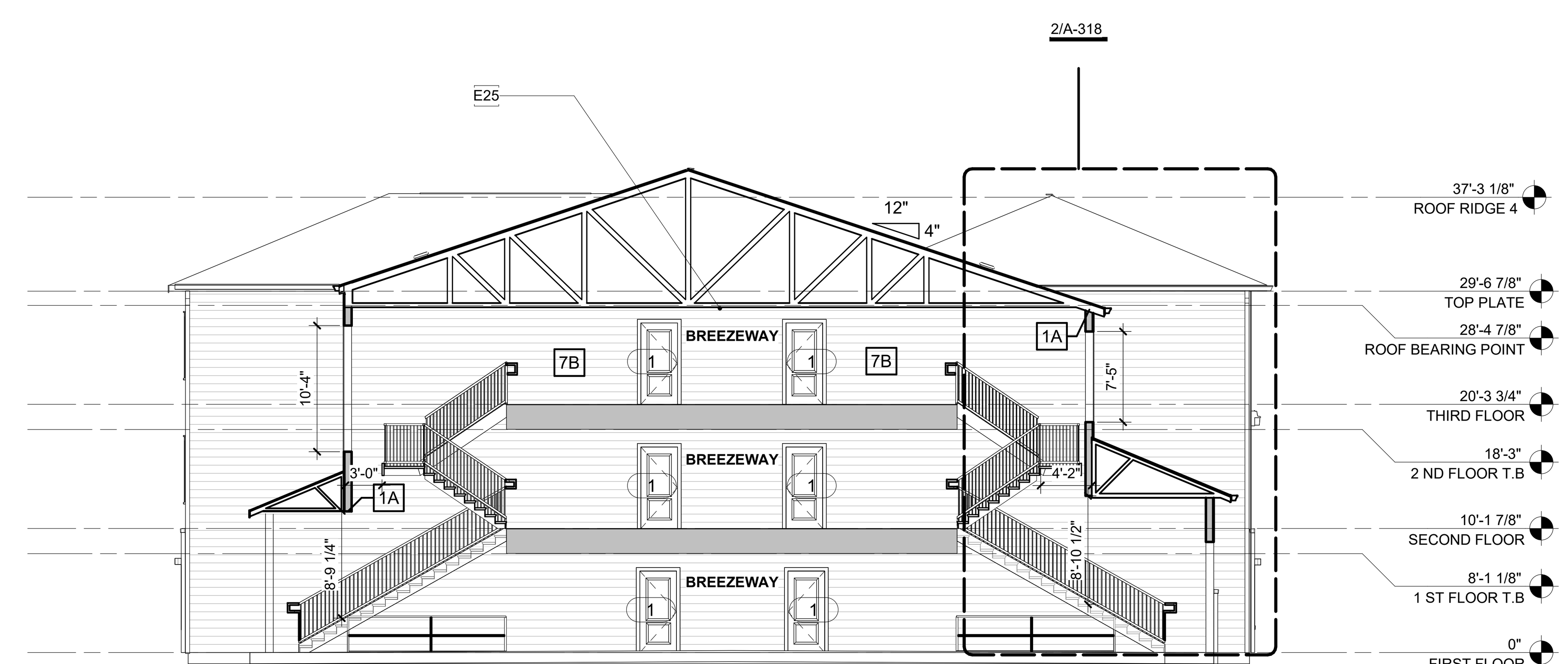


NOTE: REFERENCE STAIR SECTIONS AND DETAILS ON SHEET A-320



NOTE: REFERENCE STAIR SECTIONS AND DETAILS ON SHEET A-320

3 BUILDING 4BR6+3BR6+2BR12+1BR12 SECTON C
3/32" = 1'-0"

2 BUILDING 4BR6+3BR6+2BR12+1BR12 SECTION B
3/32" = 1'-0"

T:\01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dr\7 CAD and Revit\BUILDING 4BR6+2BR18+1BR12 - 9.13.23.rvt

9/21/2023 4:49:10 PM

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DO NOT SCALE PRINTS - USE FIGURED DIMENSIONS ONLY

PROJECT NO.
22-018

SHEET TITLE
BUILDING SECTIONS

SHEET NUMBER
A-300

T:\01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dr\7 CAD and Revit\BUILDING 4BR6+2BR18+1BR12 - 9.13.23.rvt

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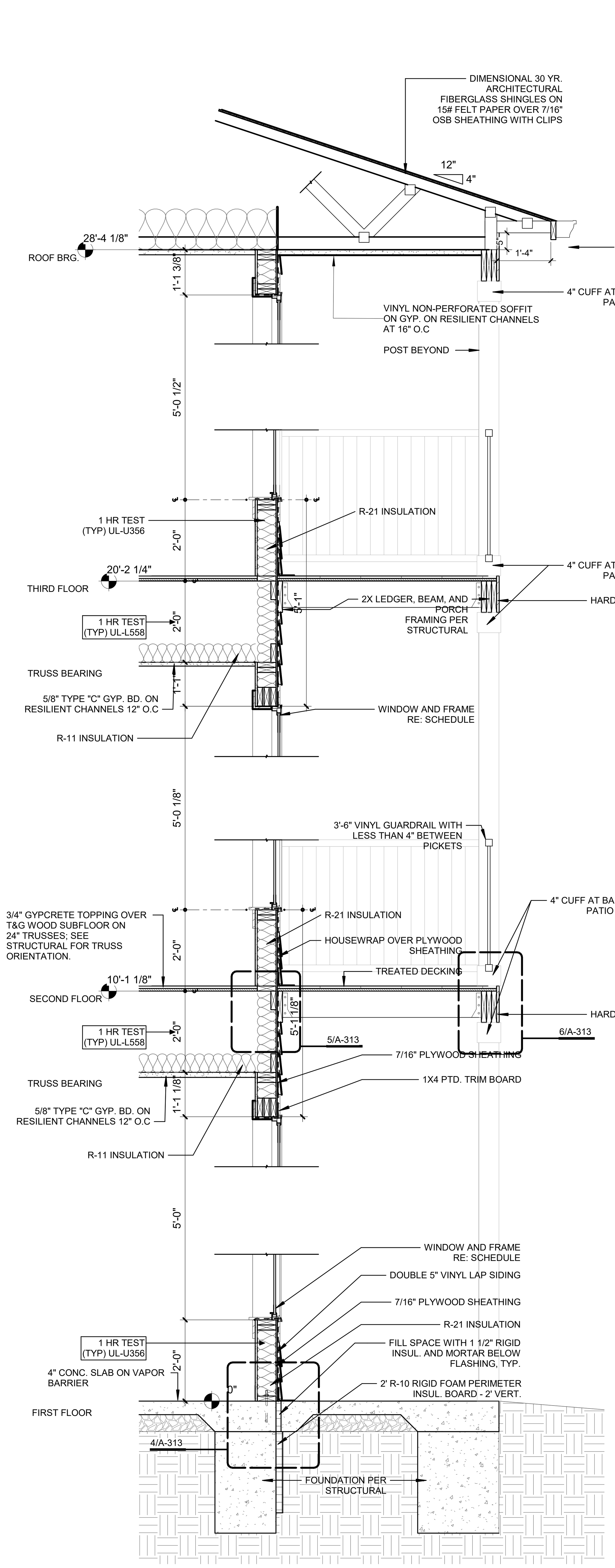
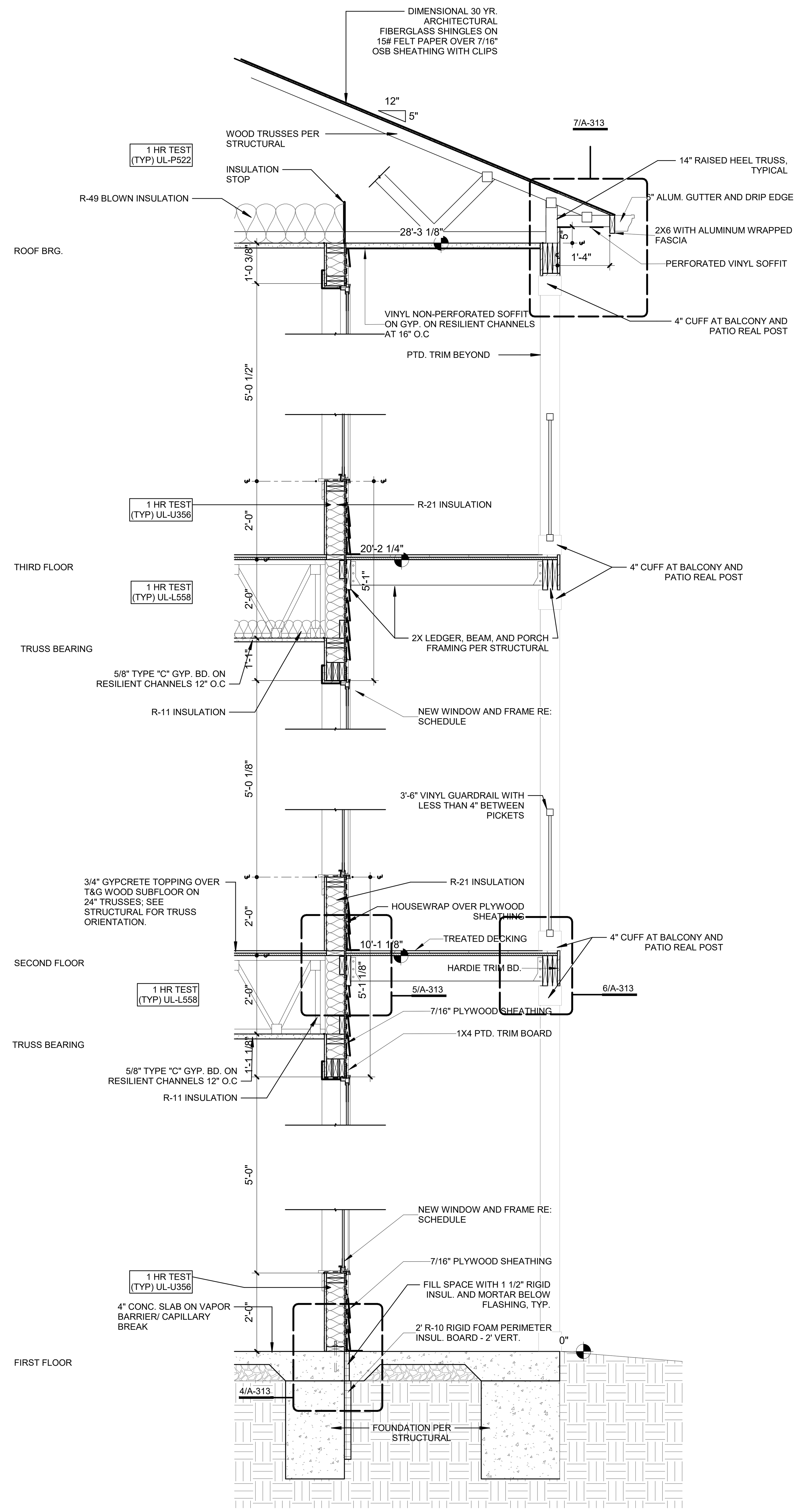


3 WALL SECTION 1A
1/2" = 1'-0"



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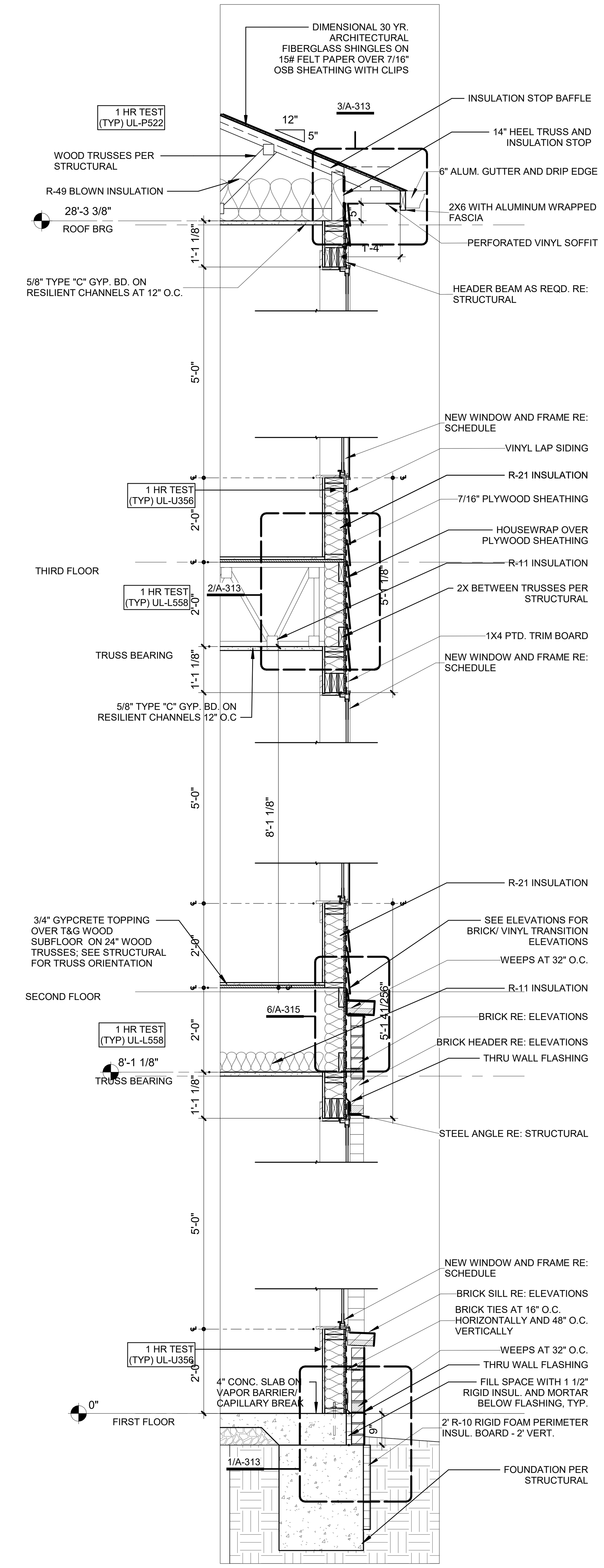
1/2" = 1'-0"



1 WALL SECTION 1A/1B
1/2" = 1'-0"

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5		

DO NOT SCALE PRINTS - USE FIGURED DIMENSIONS ONLY

PROJECT NO.

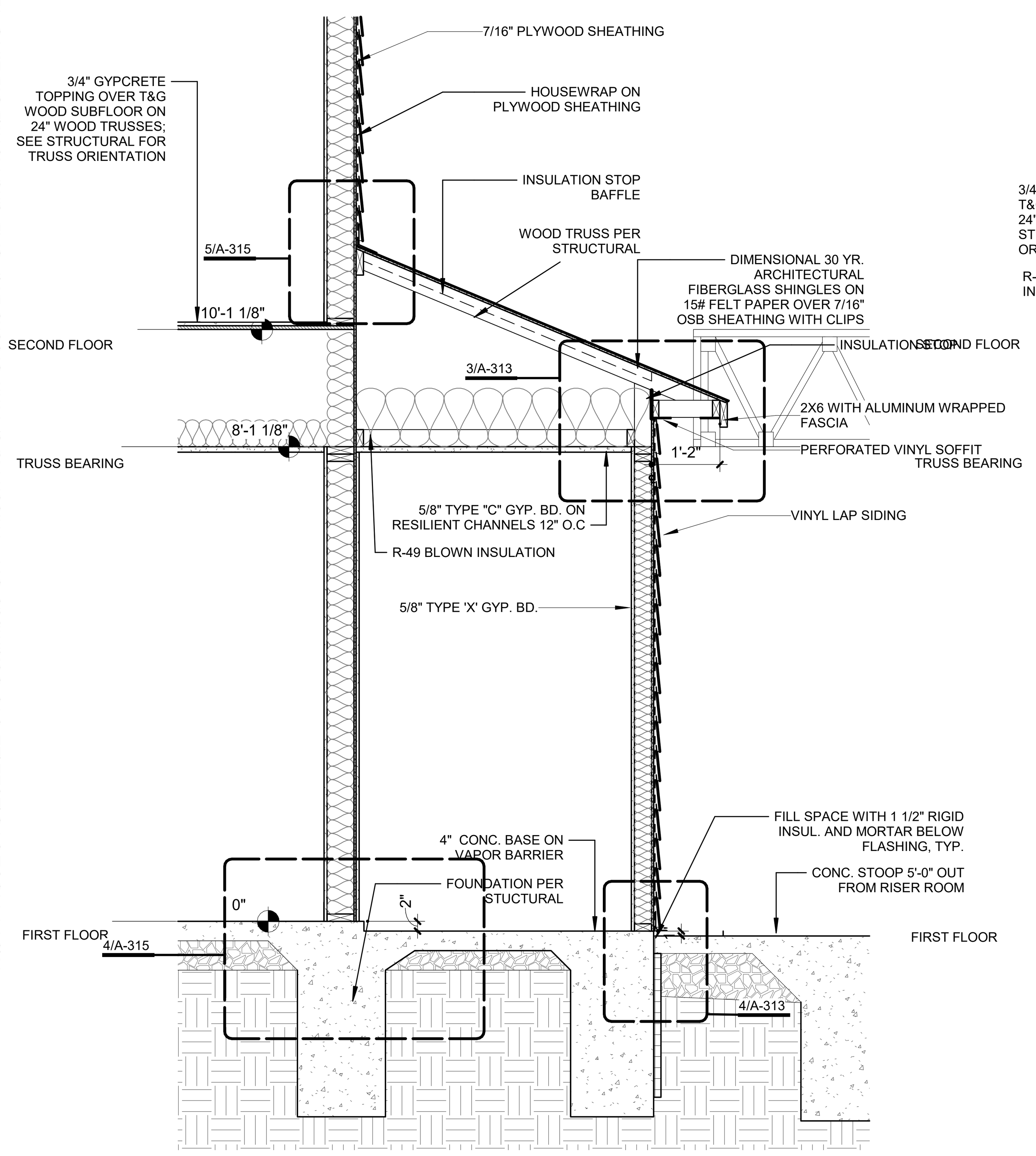
22-018

SHEET TITLE

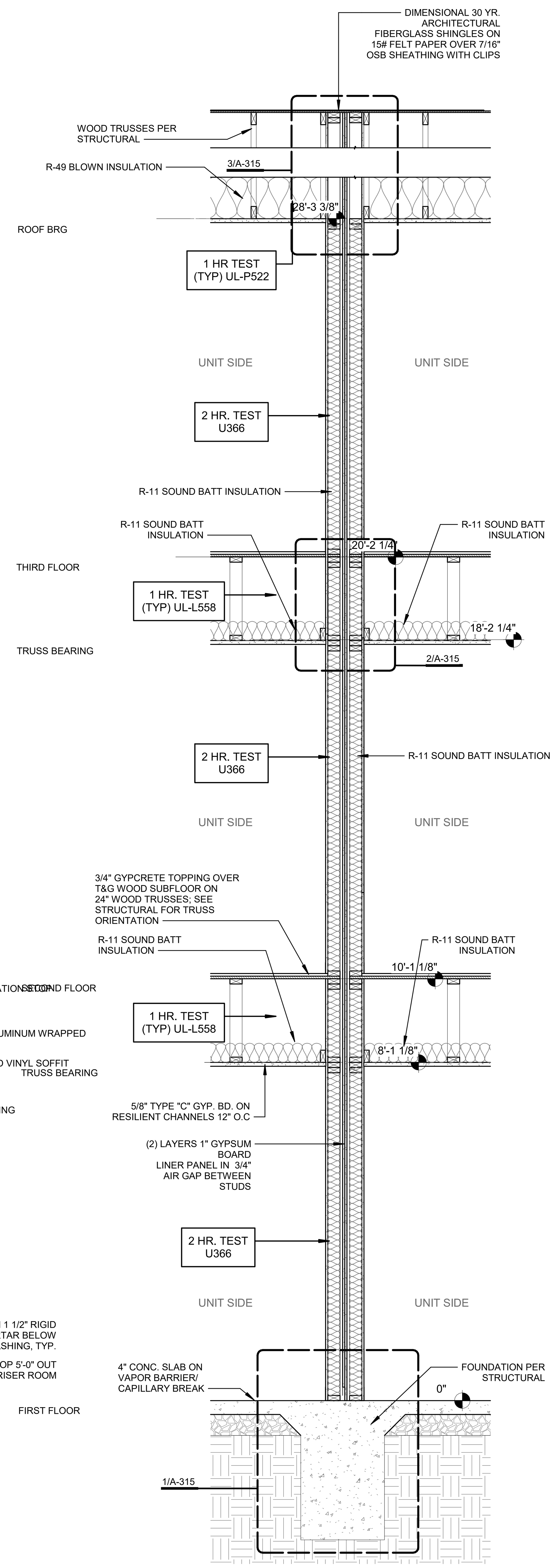
BREEZEWAY WALL SECTIONS

SHEET NUMBER

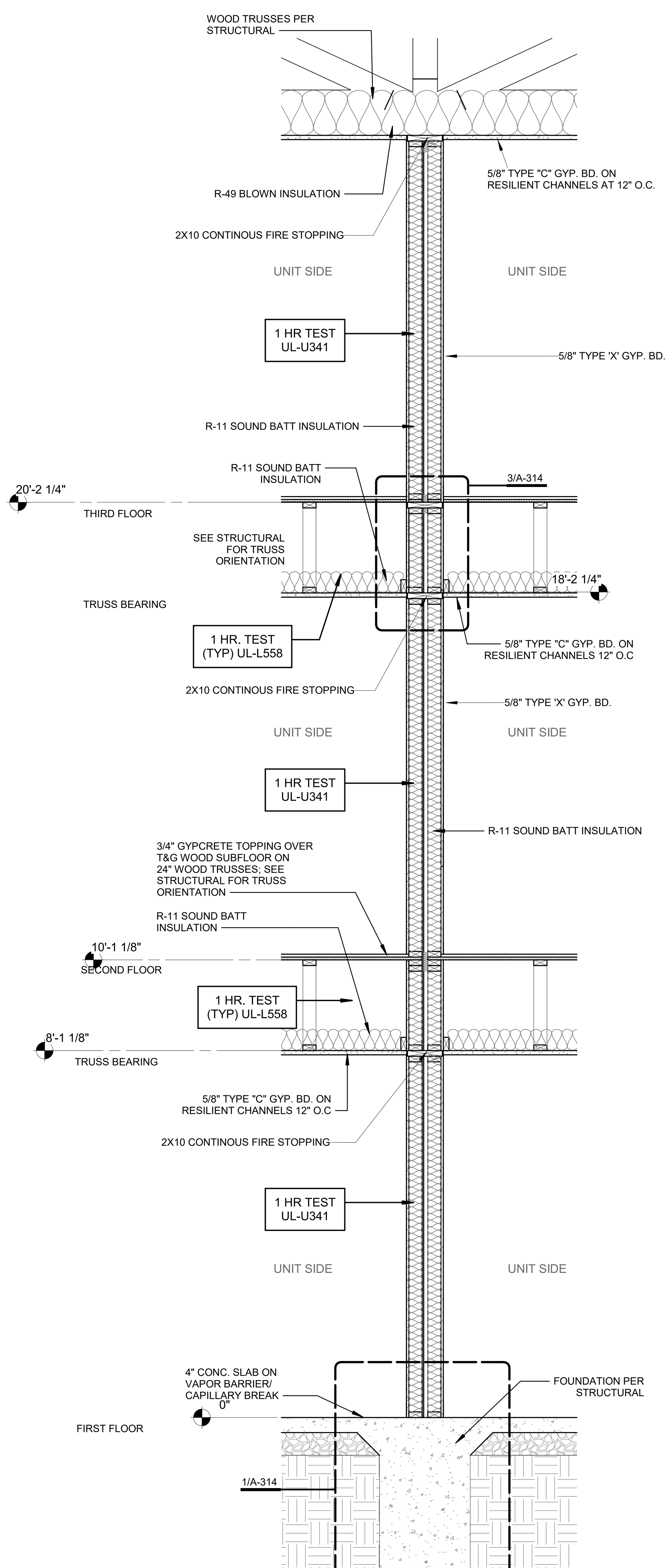
A-311



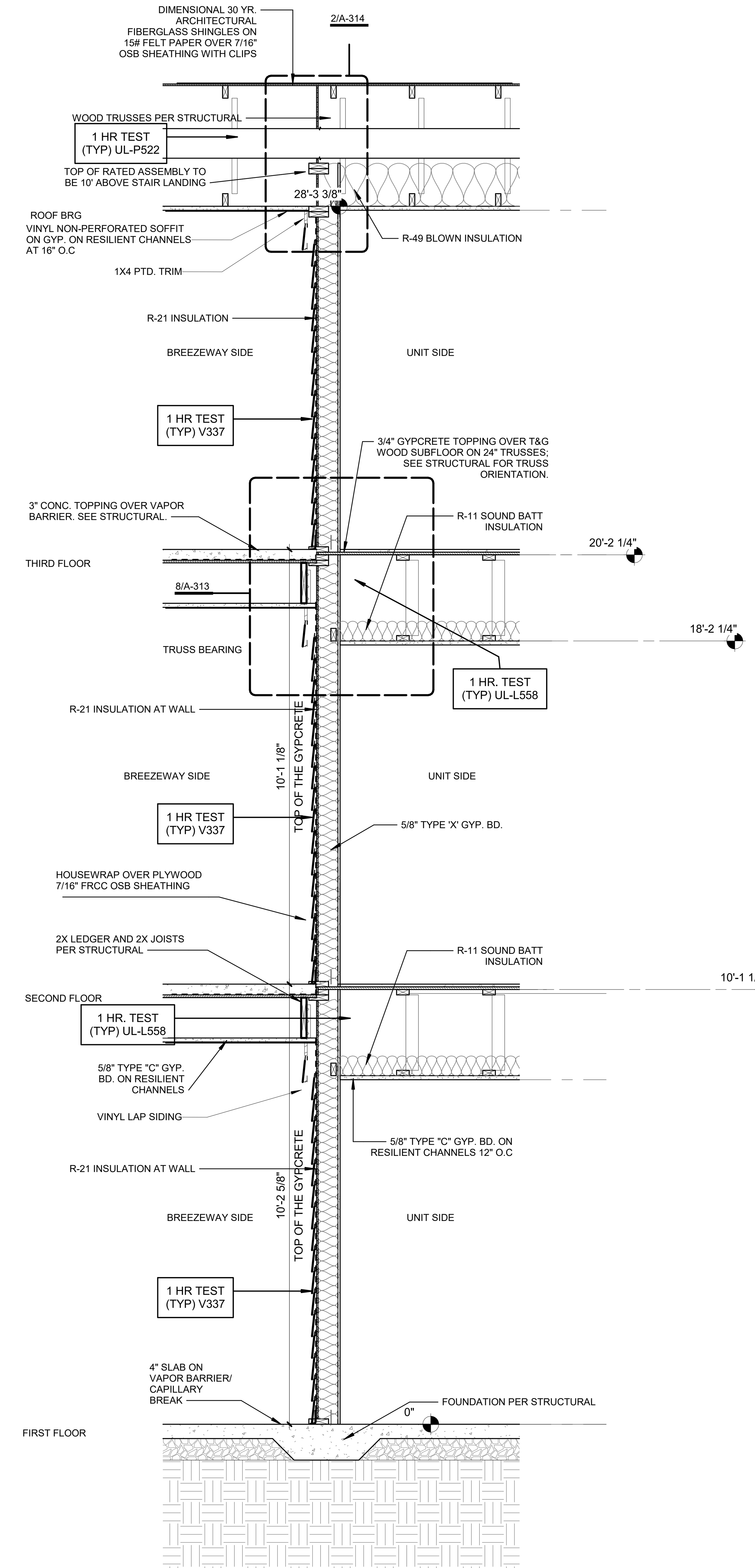
4 WALL SECTION - RISER ROOM
1/2" = 1'-0"



3 WALL SECTION - 2C WALL TYPE - DEMISING WALL
1/2" = 1'-0"



2 WALL SECTION - 2A/2B WALL TYPE - DEMISING WALL
1/2" = 1'-0"



1 WALL SECTION - BREEZEWAY WALL 7B WALL
1/2" = 1'-0"

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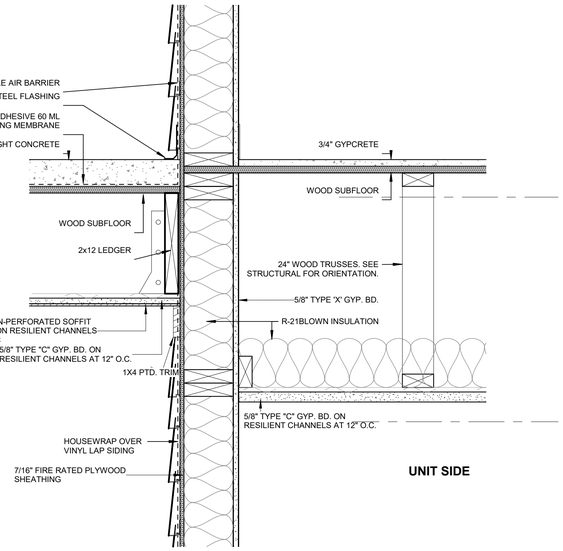
22-018

SHEET TITLE

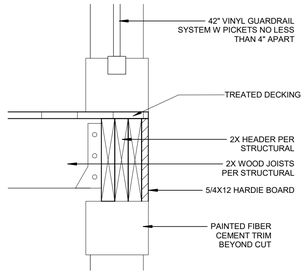
BREEZEWAY WALL SECTIONS

SHEET NUMBER

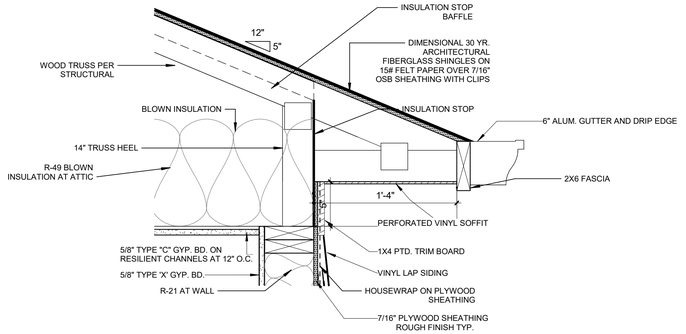
A-312



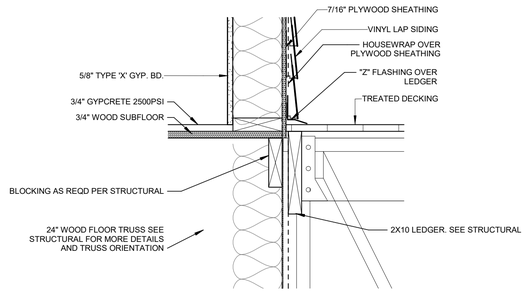
8 WALL SECTION DETAIL 8
1 1/2" = 1'-0"



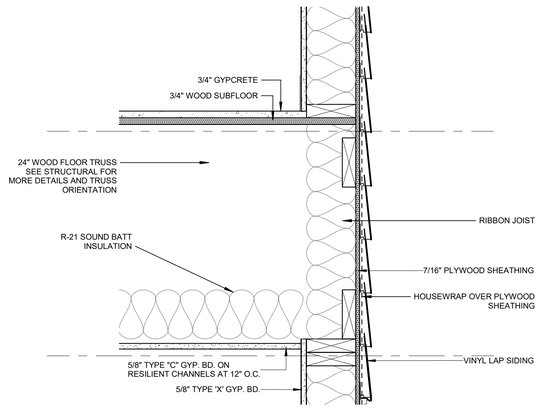
6 WALL SECTION DETAIL 6
1 1/2" = 1'-0"



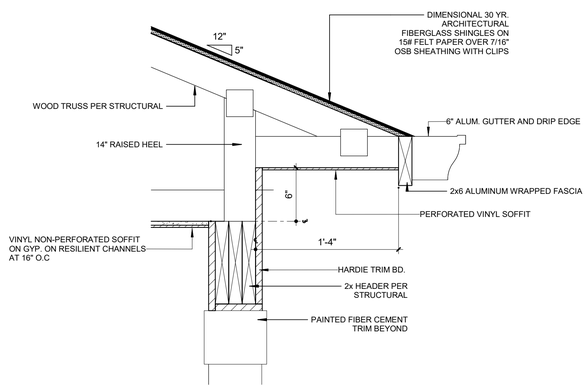
3 WALL SECTION DETAIL 3
1 1/2" = 1'-0"



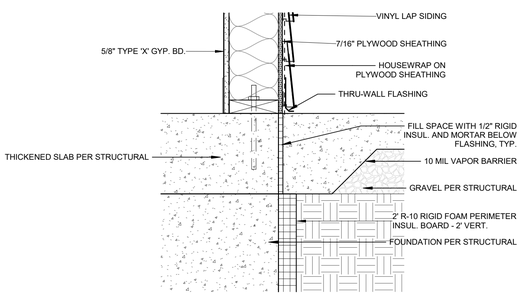
5 WALL SECTION DETAIL 5
1 1/2" = 1'-0"



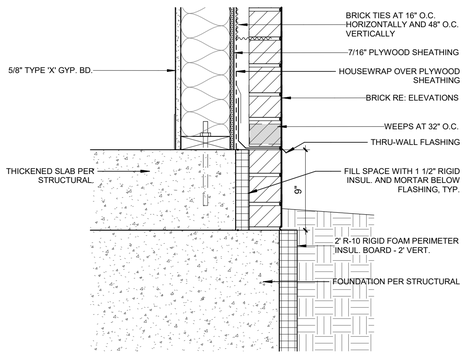
2 WALL SECTION DETAIL 2
1 1/2" = 1'-0"



7 WALL SECTION DETAIL 7
1 1/2" = 1'-0"



4 WALL SECTION DETAIL 4
1 1/2" = 1'-0"



1 WALL SECTION DETAIL 1
1 1/2" = 1'-0"

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PROJECT NO.

22-018

SHEET TITLE

WALL SECTIONS - DETAILS

SHEET NUMBER

A-313

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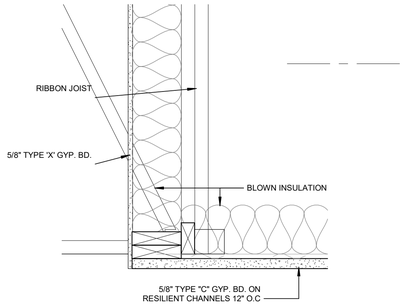
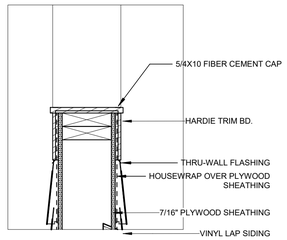
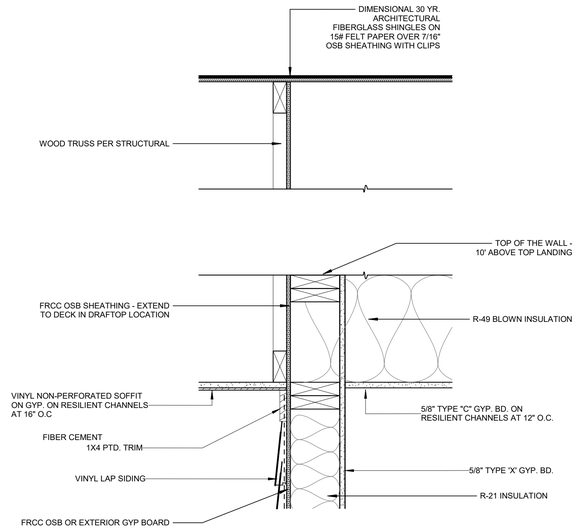


5 WALL SECTION DETAIL
1 1/2" = 1'-0"

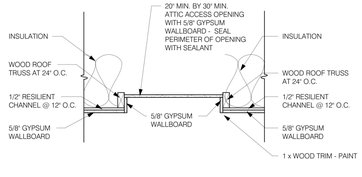


4 WALL SECTION DETAIL
1 1/2" = 1'-0"

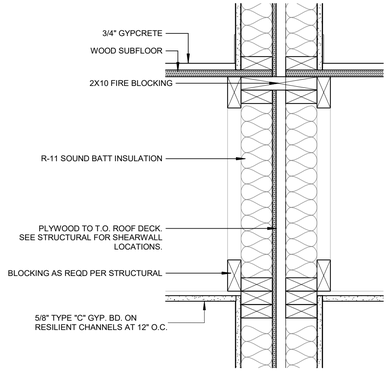


2 WALL SECTION DETAIL
1 1/2" = 1'-0"

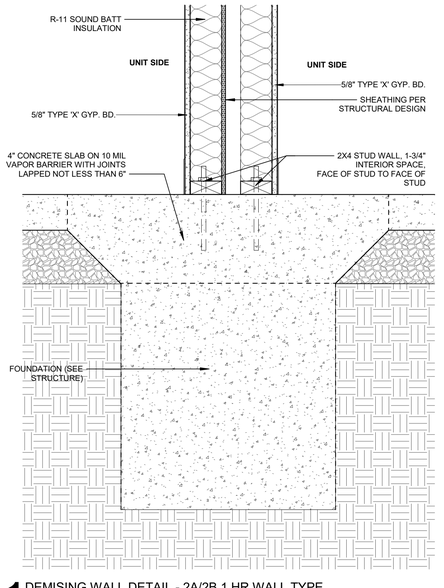
ATTIC DRAFTSTOP DOORS MAY BE DELETED PROVIDED THAT ATTIC ACCESS INTO EVERY ATTIC AREA IS PROVIDED FROM UNIT BELOW VIA ATTIC ACCESS OPENING AS DETAILED BELOW.



6 ATTIC ACCESS OPENING DETAIL
NTS



3 WALL SECTION DETAIL - 1HR DEMISING WALL
1 1/2" = 1'-0"



1 DEMISING WALL DETAIL - 2A/2B 1 HR WALL TYPE
1 1/2" = 1'-0"

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SHEET TITLE

WALL SECTIONS - DETAILS

SHEET NUMBER

A-314

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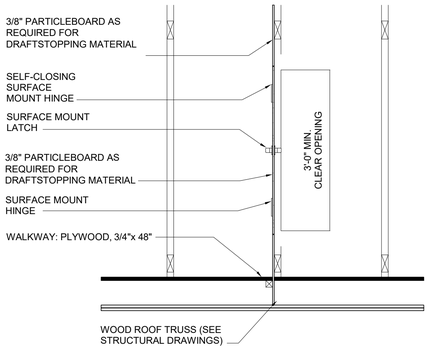
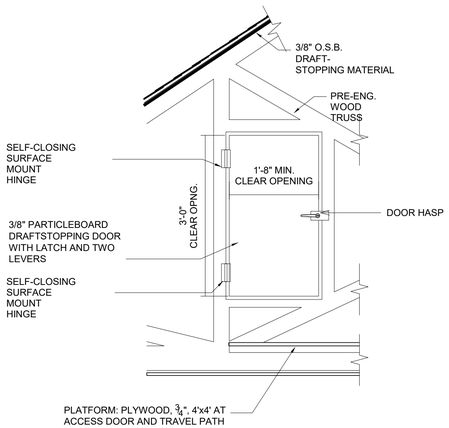
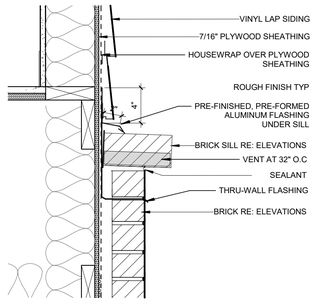


10 DRAFTSTOP DETAILS
3/4" = 1'-0"

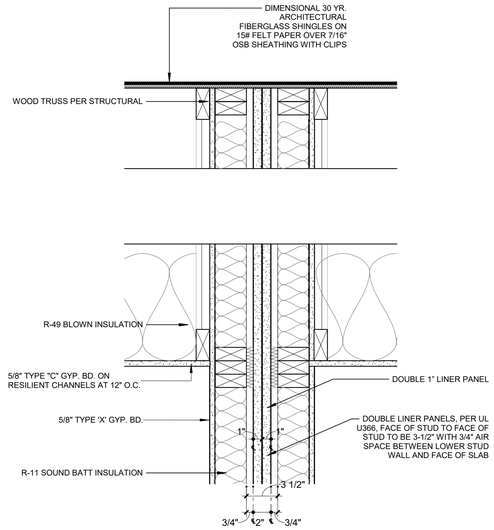


3B - ELEVATION

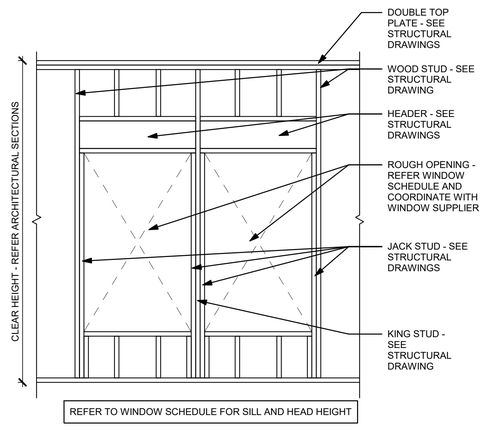


NOTE: REFER TO BUILDING ELEVATION FOR BRICK HEIGHTS

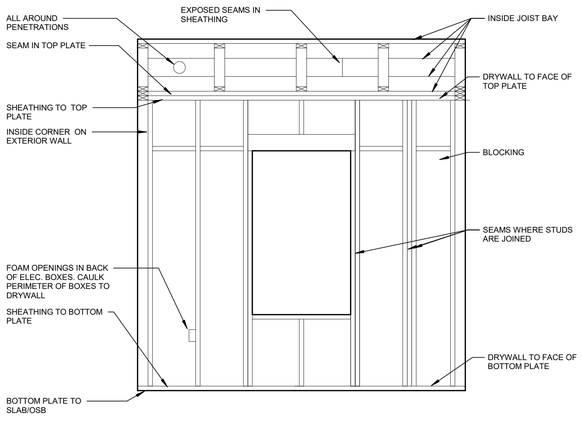
6 BRICK SIDING TRANSITION
1 1/2" = 1'-0"



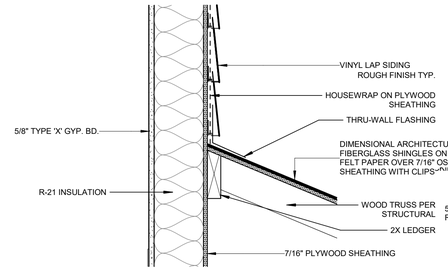
3 WALL SECTION DETAIL - 2C 2 HR WALL TYPE
1 1/2" = 1'-0"



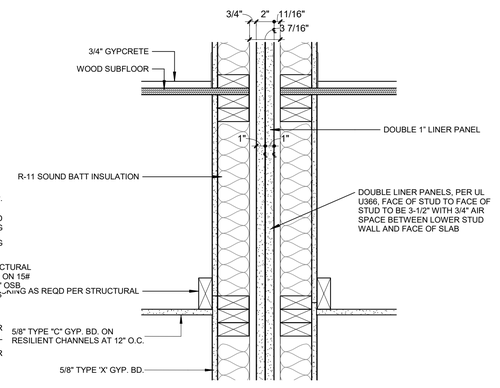
9 WINDOW ROUGH OPENING DETAIL SHOWING KING STUD
1/2" = 1'-0"



8 CAULKING DETAIL
1/2" = 1'-0"



5 WALL SECTION DETAIL - RISER ROOM
1 1/2" = 1'-0"



2 WALL SECTION DETAIL - 2C 2 HR WALL TYPE
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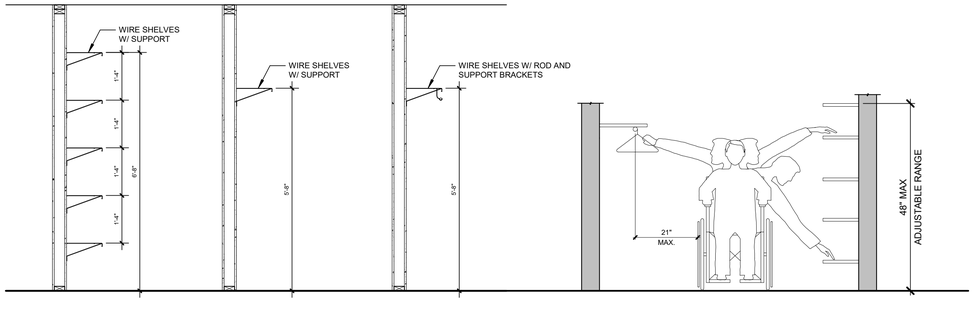
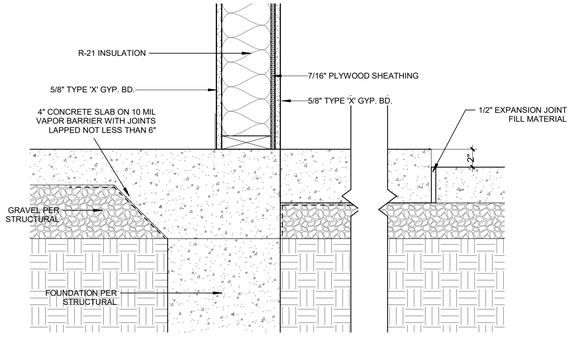
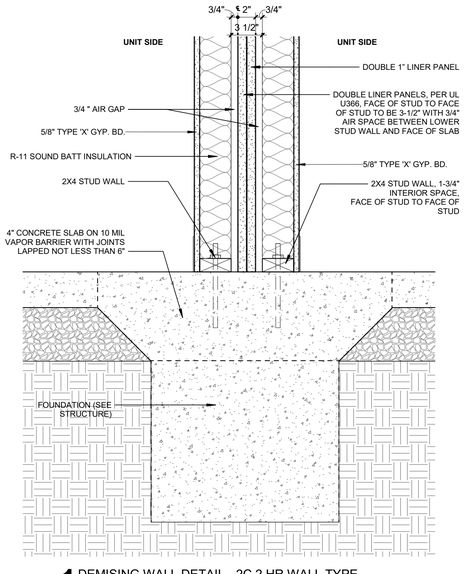


7 SHELVING AND ROD DETAILS
1/2" = 1'-0"



4 WALL SECTION DETAIL - RISER ROOM
1 1/2" = 1'-0"



1 DEMISING WALL DETAIL - 2C 2 HR WALL TYPE
1 1/2" = 1'-0"

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SEAL

PROJECT TITLE

WEST FORK

WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
OFHA APPLICATION	09/25/23

REVISIONS

MARK	DESCRIPTION	DATE

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PROJECT NO.

22-018

SHEET TITLE

DETAILS

SHEET NUMBER

A-315

T:\01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dr\7 CAD and Revit\BUIDLING 4BR6+2BR18+1BR12 - 9.13.23.rvt

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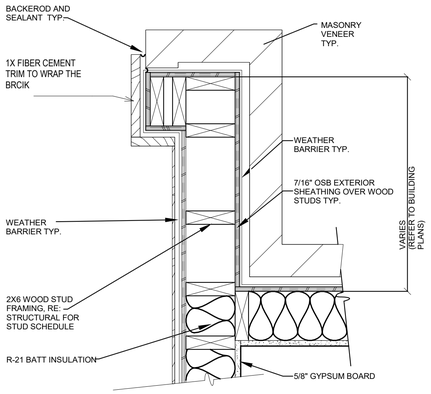
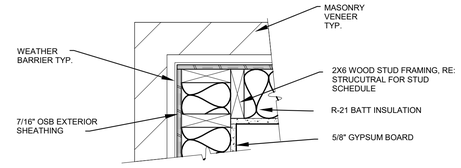
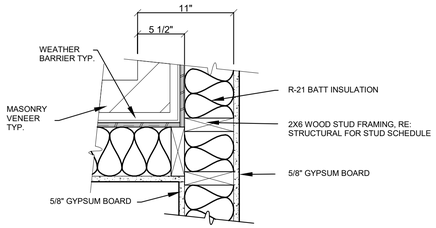


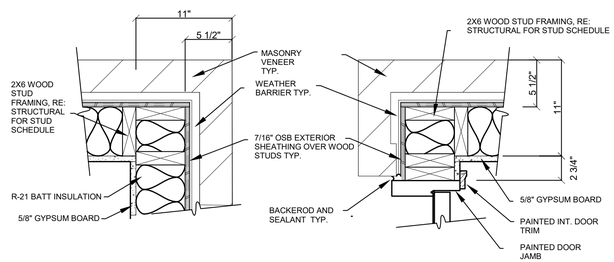
A TYPICAL BRICK BREEZWAY ENTRY PLAN DETAIL



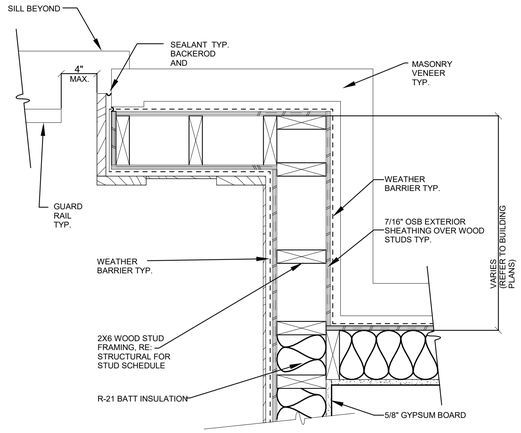
B TYPICAL BRICK OUTSIDE CORNER



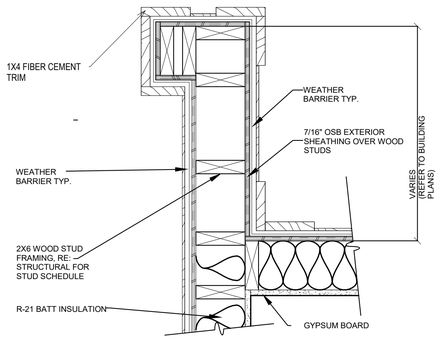
C TYPICAL BRICK INTERIOR CORNER



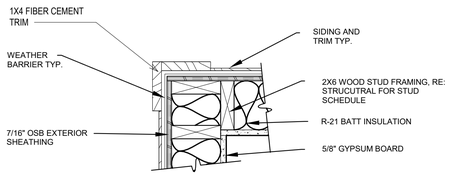
D TYPICAL BRICK CORNER



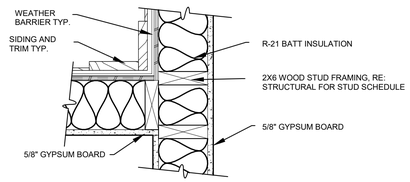
E TYPICAL BRICK BREEZWAY OPEN END PLAN DETAIL



A TYPICAL SIDING BREEZWAY ENTRY PLAN DETAIL



B TYPICAL SIDING OUTSIDE CORNER



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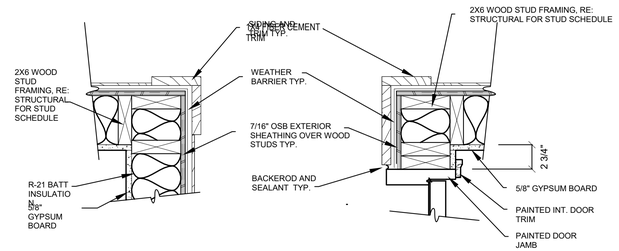
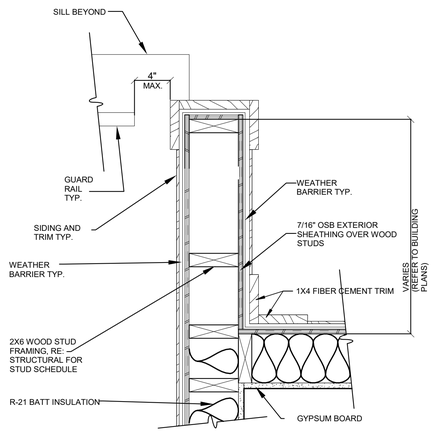


D TYPICAL SIDING CORNER



E TYPICAL SIDING BREEZWAY OPEN END PLAN DETAIL

1 PLAN DETAILS
1 1/2" = 1'-0"

GENERAL NOTES :

1. HOLD BACK INSULATION 1" MINIMUM FOR AIR VENTILATION AT EAVE
2. SEAL ALL TYVEK JOINTS AND PENETRATIONS WITH APPROVED TAPE
3. FASTEN TYVEK TO SHEATHING WITH LARGE HEAD NAILS OR USE NAILS WITH LARGE PLASTIC WASHER HEADS
4. LOCAL LAWS, ZONING, AND BUILDING CODES VARY AND THEREFORE GOVERNS OVER MATERIAL SELECTION

ARCHITECT OF RECORD

KITTLE PROPERTY GROUP INC
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Indianapolis, IN 46240
(317) 846-3111
www.kittleproperties.com

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SEAL

PROJECT TITLE

WEST FORK

WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	XX/XX/XX
90% REVIEW SET	XX/XX/XX
PERMIT SET	XX/XX/XX

REVISIONS

MARK	DESCRIPTION	DATE

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PROJECT NO.

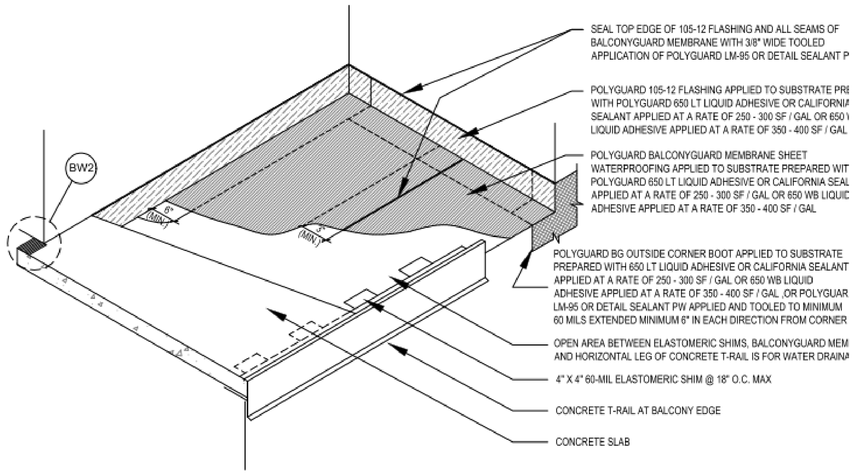
22-018

SHEET TITLE

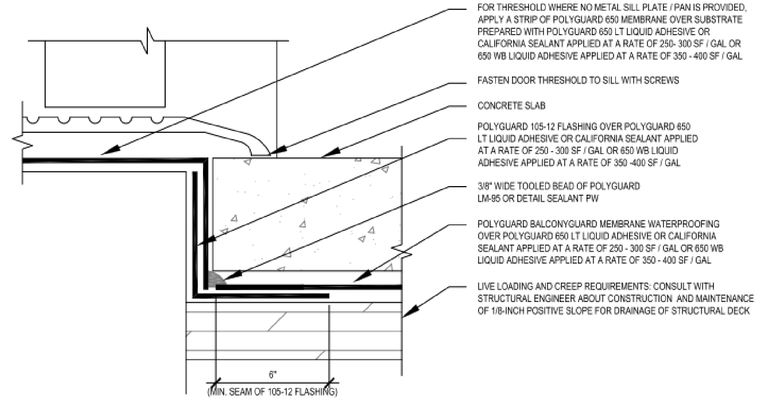
DETAILS

SHEET NUMBER

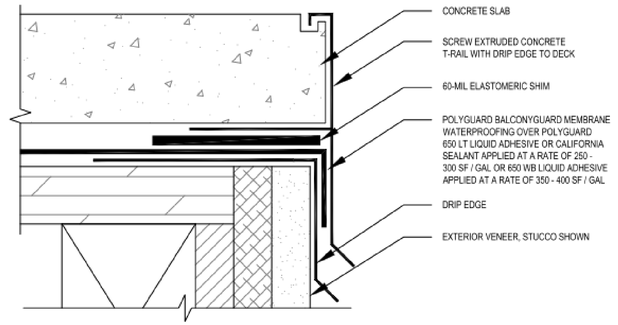
A-316



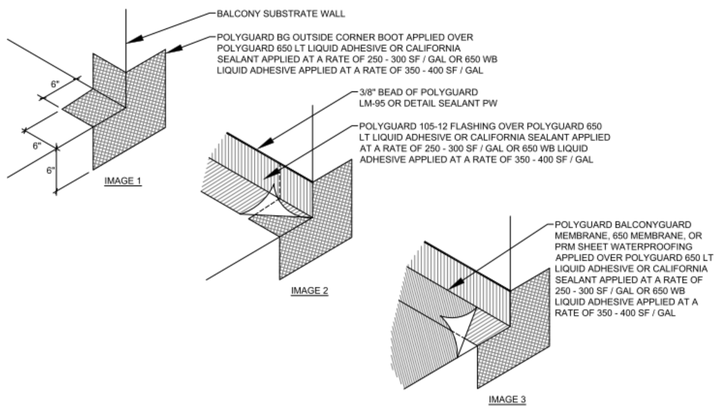
4 WHATERPROOFING AT BREEZEWAY



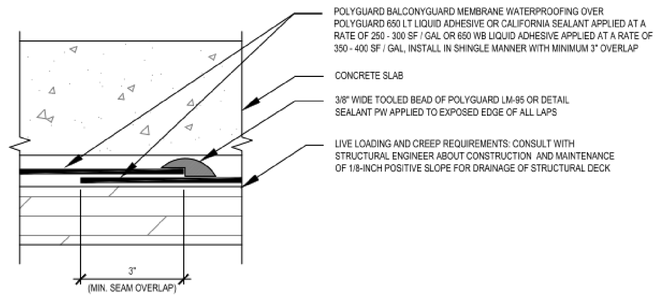
1 WHATERPROOFING AT UNIT ENTRY DOOR THRESHOLD



2 WHATERPROOFING AT EDGE OF BREEZEWAY LANDING



3 WHATERPROOFING AT BREEZEWAY



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SEAL

PROJECT TITLE

WEST FORK

WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
90% REVIEW SET	08/29/23
PERMIT SET	09/22/23

REVISIONS

MARK	DESCRIPTION	DATE

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PROJECT NO.

22-018

SHEET TITLE

WATERPROOFING DETAILS

SHEET NUMBER

A-317

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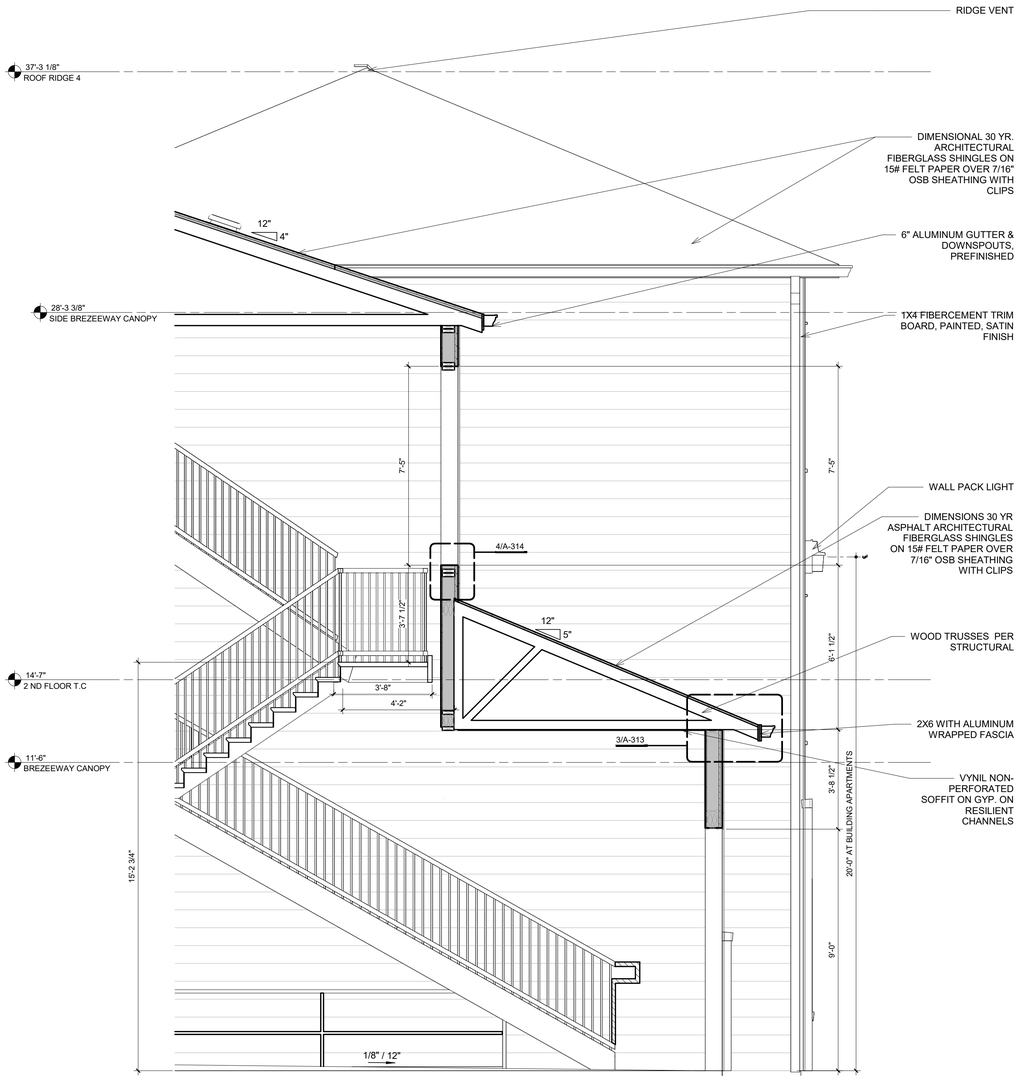
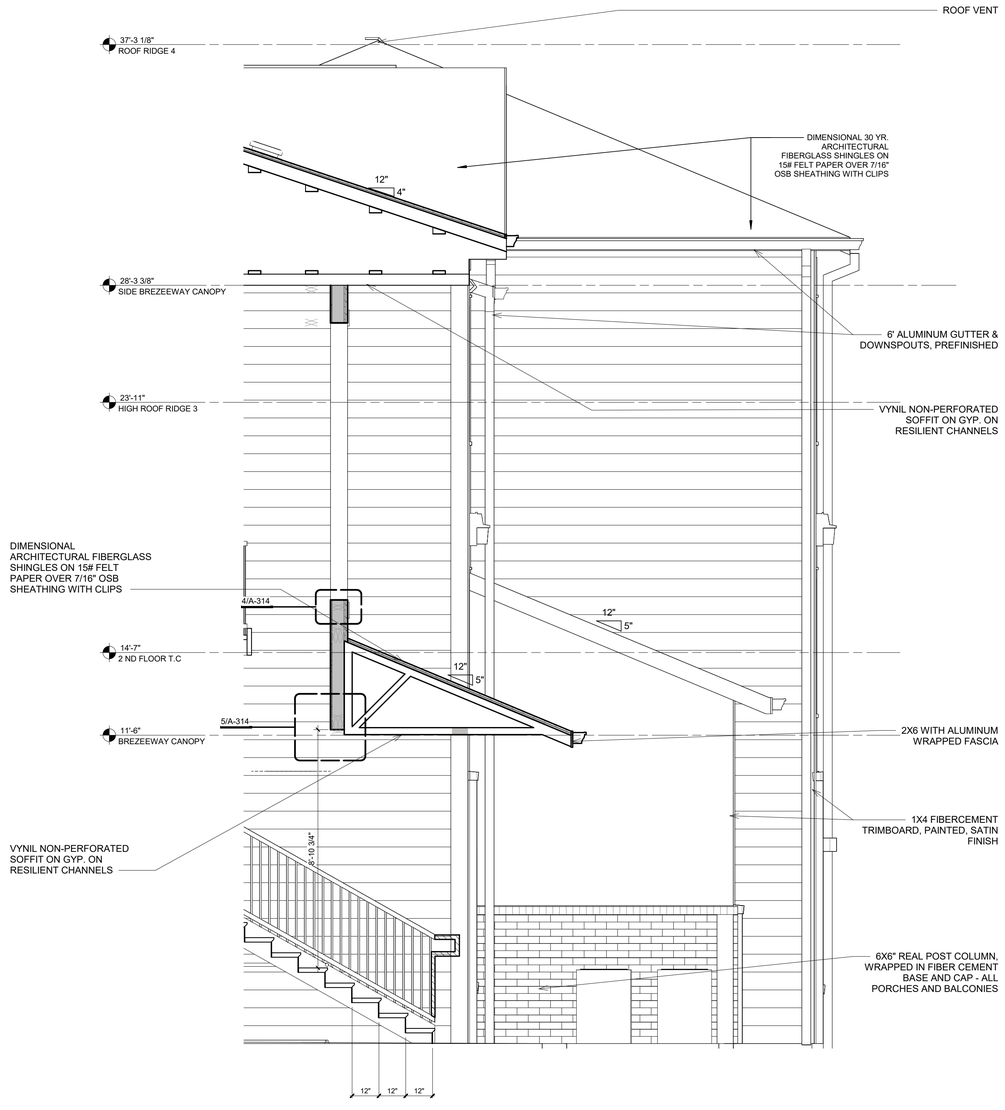


2 BREEZEWAY ENTRY SECTION -SIDE BREEZEWAY
3/8" = 1'-0"



1 BREEZEWAY OPENING SECTION -CENTER BREEZEWAY
3/8" = 1'-0"

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SEAL

PROJECT TITLE

WEST FORK

WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
OFHA APPLICATION	09/25/23

REVISIONS

MARK	DESCRIPTION	DATE

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PROJECT NO.

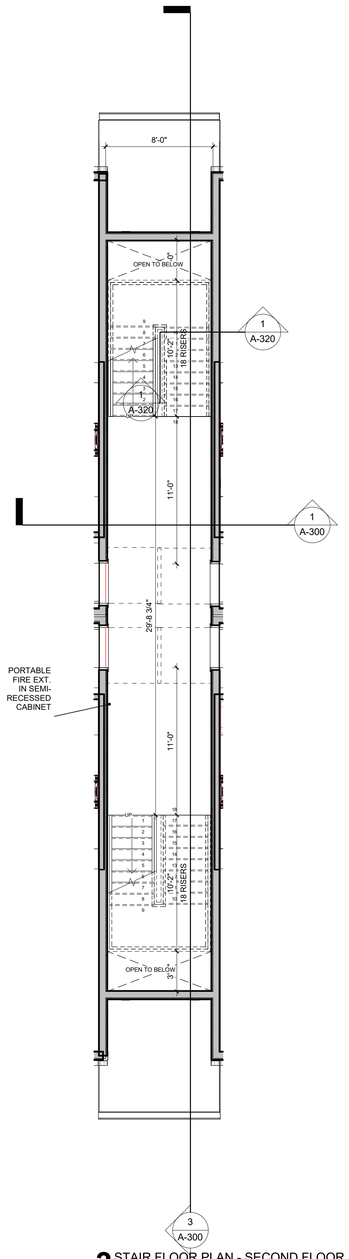
22-018

SHEET TITLE

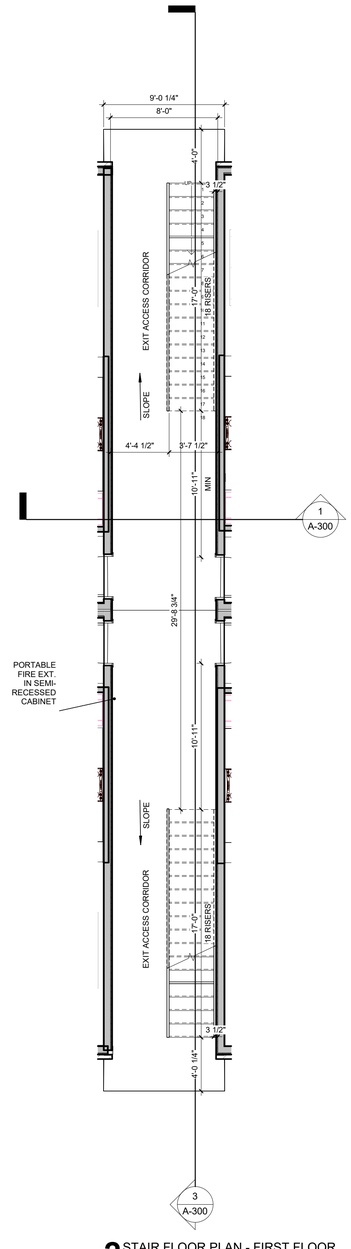
BREEZEWAY OPENING DETAIL

SHEET NUMBER

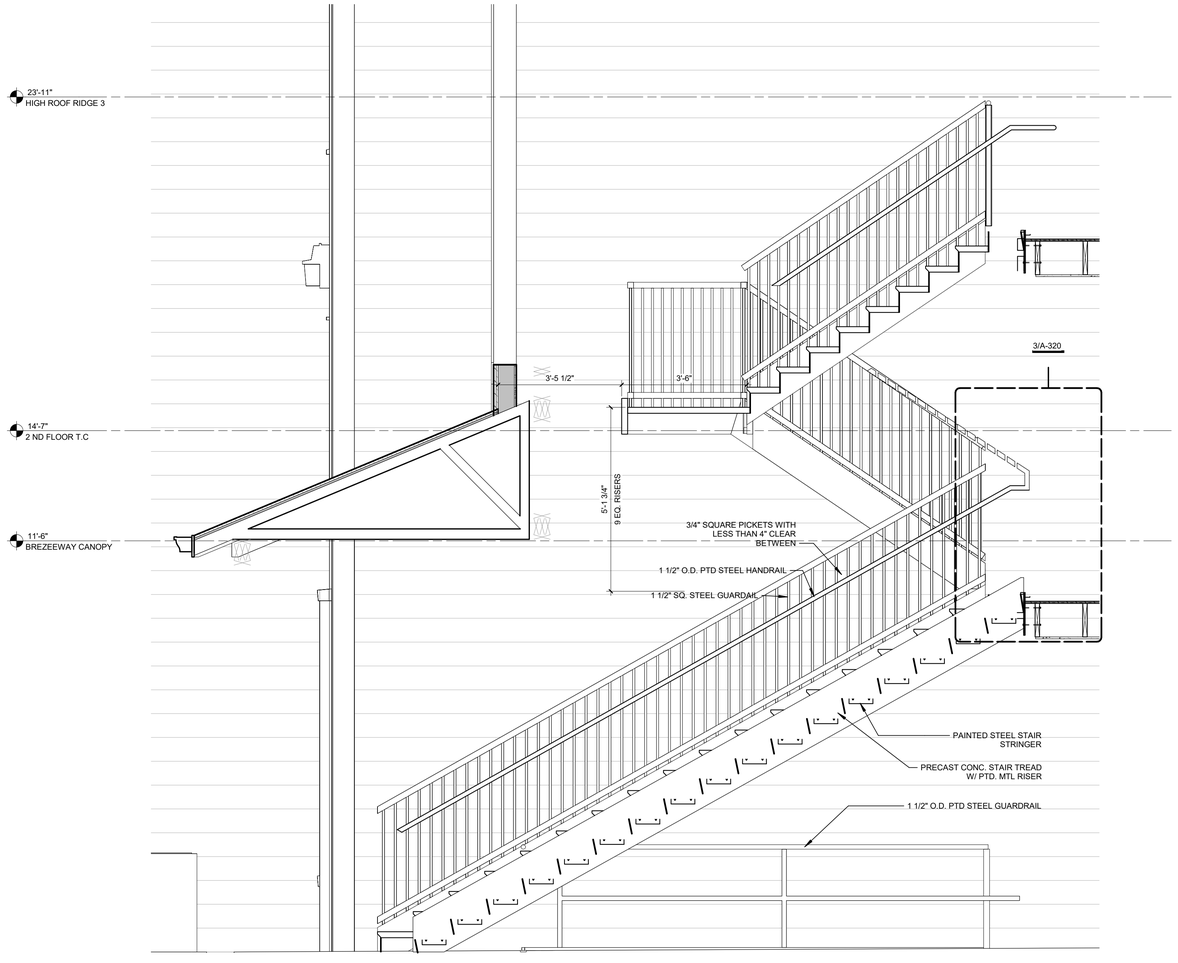
A-318



3 STAIR FLOOR PLAN - SECOND FLOOR
3/16" = 1'-0"



2 STAIR FLOOR PLAN - FIRST FLOOR
3/16" = 1'-0"



1 ENLARGED STAIR SECTION
1/2" = 1'-0"

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SEAL

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WEST FORK

WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

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50% REVIEW SET	08/08/23
OFHA APPLICATION	09/25/23

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PROJECT NO.

22-018

SHEET TITLE

STAIR DETAIL

SHEET NUMBER

A-319

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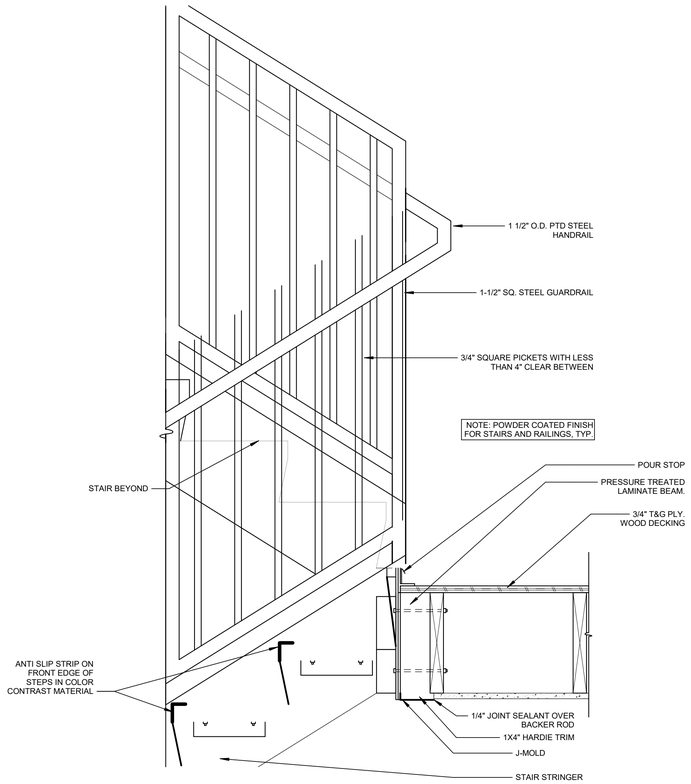
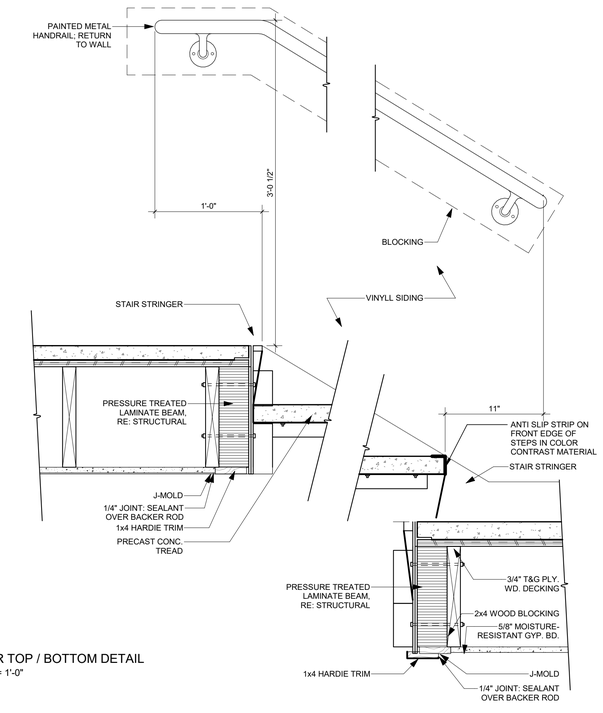
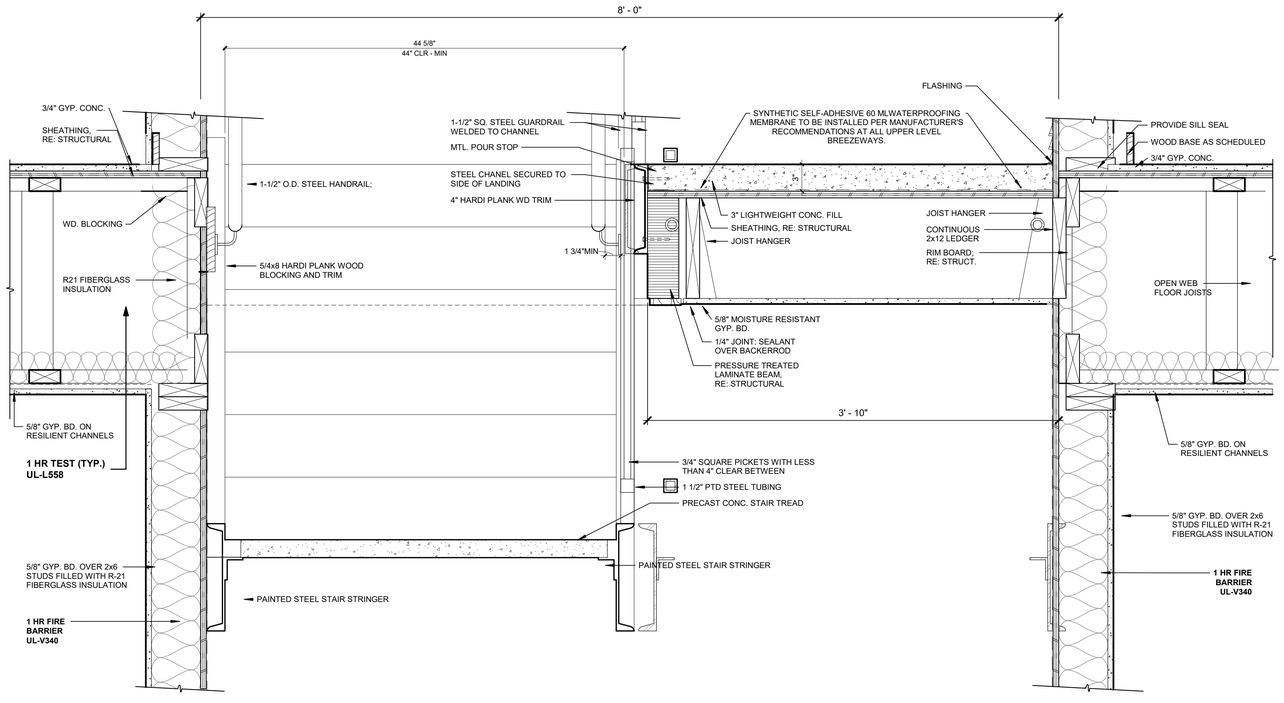


3 STAIR LANDING DETAIL
1 1/2" = 1'-0"



2 STAIR TOP / BOTTOM DETAIL
1 1/2" = 1'-0"



1 TRANSVERSE SECTION THROUGH STAIR
1 1/2" = 1'-0"

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SEAL

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WEST FORK

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OFHA APPLICATION	09/25/23

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DO NOT SCALE PRINTS - USE FIGURED DIMENSIONS ONLY

PROJECT NO.

22-018

SHEET TITLE

STAIR DETAILS

SHEET NUMBER

A-320

T:\01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dr\7 CAD and Revit\BUIDLING 4BR6+2BR18+1BR12 - 9.13.23.rvt
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T:\01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dr\7 CAD and Revit\BUIDLING 4BR6+2BR18+1BR12 - 9.13.23.rvt

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DuPont™ Tyvek® Weatherization Products

Multifamily User's Bulletin – Field Installation Examples

This document is designed to serve as a resource. The examples provided do not override or change any requirement in the currently published Installation Guidelines or Warranties. Always refer back to the applicable Installation Guidelines and Warranties, available at www.weatherization.Tyvek.com, for complete information.

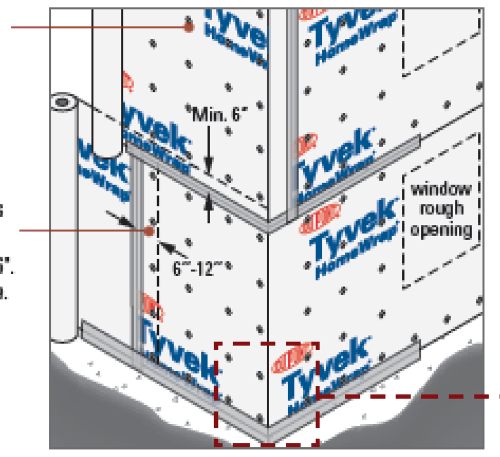
DuPont Tyvek.

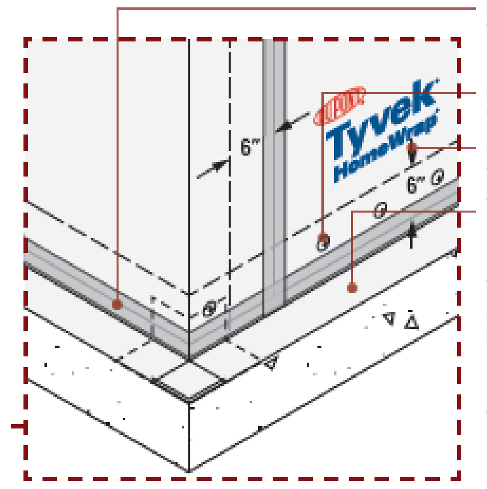
DuPont™ Tyvek® WRB Installation

Fasteners installed directly to studs and spaced 6-18" per schedule.

- DuPont™ Tyvek® Wrap Cap nails, screws, or staples
- Other cap staples for Stinger™ Cap Stapler
- Other manufacturers' equivalent fasteners
- No fasteners within 6" of window sill and jambs and 9" of window head.

Vertical overlaps 6"-12" and horizontal overlaps min. 6". All vertical seams taped with DuPont™ Tyvek® Tape.





- DuPont™ Tyvek WRB terminated with DuPont™ Tyvek® Tape or DuPont™ Self-Adhered Flashing Systems products.
- DuPont™ Tyvek® WRB mechanically fastened at the top of through wall flashing.
- DuPont™ Tyvek® WRB lapped over through wall flashing min. 6".
- Through wall flashing installed per plans and specifications.

Note: For wood to concrete transitions, DuPont™ Tyvek® WRB extended min. 2" beyond wood-concrete interface and terminated to primed surface with DuPont™ Self-Adhered Flashing Systems products.

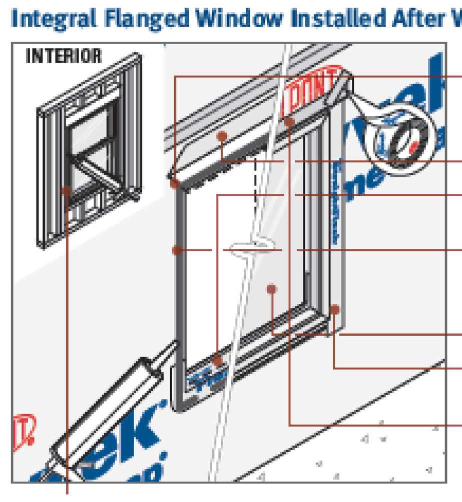
For Air Barrier installations:
All horizontal seams taped

- 3" Tape for DuPont™ Tyvek® StuccoWrap®, DrainWrap™, CommercialWrap® and CommercialWrap® D
- 2" Tape for DuPont™ Tyvek® HomeWrap®

Seal all terminations at top and bottom of wall.

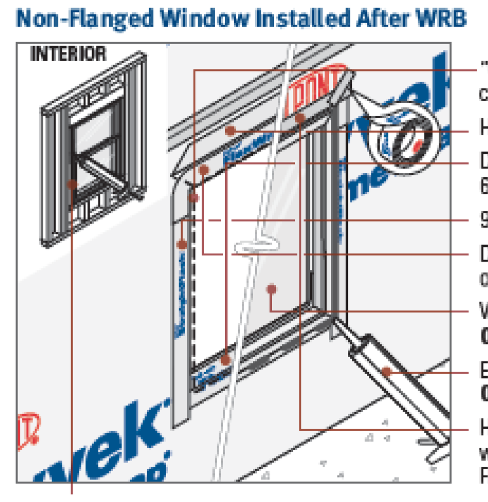
- Install ¼" bead of DuPont™ Residential Sealant 2-3" from edges, or
- Terminate with DuPont™ Tyvek® Tape, DuPont™ StraightFlash™, or DuPont™ Flashing Tape (DuPont™ Residential Sealant, DuPont™ StraightFlash™ or DuPont™ Flashing Tape with DuPont™ Adhesive/Primer for concrete and wood, or other rough surfaces)

Integral Flanged Window Installed After WRB



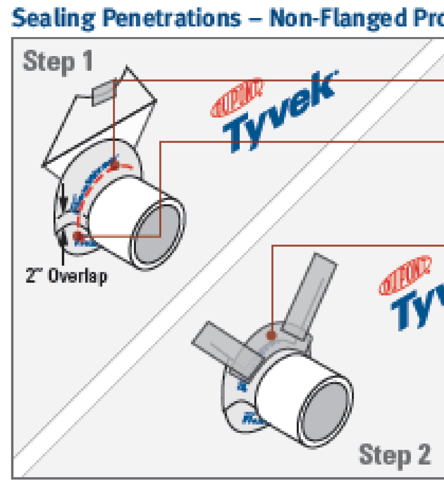
- "I" cut WRB at rough opening with 45° cuts at window head extending min. 8" from corners. Flaps at jambs folded into the opening and secured.
- Head flap flipped up and secured.
- DuPont™ FlexWrap™ NF installed at the sill extending min. 6" up jambs.
- Sealant applied to three sides of the window opening at jambs and head. **Optional**: Skip sealing at the sill for drainage.
- Window installed per manufacturer's specifications.
- DuPont™ StraightFlash™ or DuPont™ Flashing Tape applied over flanges at jambs and head.
- Head flap trimmed 1-2" and secured over head flashing with DuPont™ Tyvek® Tape or DuPont™ Self-Adhered Flashing Systems products.

Non-Flanged Window Installed After WRB

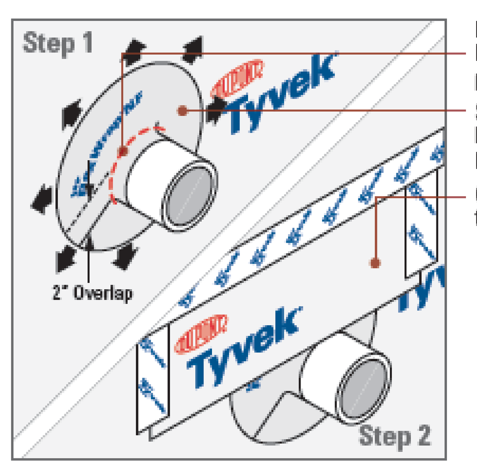


- "O" cut (flush cut) WRB at rough opening with 45° cuts at window head extending 8" from corners.
- Head flap flipped up and secured.
- DuPont™ FlexWrap™ NF installed at the sill, minimum 6" up the jambs.
- 9" DuPont™ StraightFlash™ installed at jambs.
- DuPont™ FlexWrap™ NF installed at head of rough opening.
- Window installed per manufacturer's specifications. **Optional**: Drip cap installed and integrated.
- Exterior perimeter seal applied at jambs and head. **Optional**: skip sealing at sill for drainage.
- Head flap trimmed 1-2" and secured overhead flashing with DuPont™ Tyvek® Tape or DuPont™ Self-Adhered Flashing Systems products.

Sealing Penetrations – Non-Flanged Products

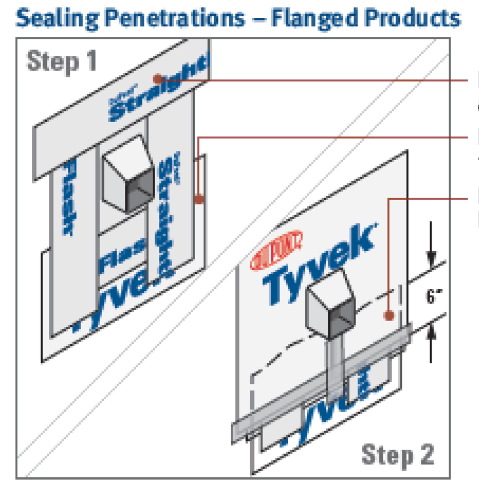


Method 1
- DuPont™ Tyvek® WRB cut back 1" around penetration with head flap cut above.
- First piece of DuPont™ FlexWrap™ NF installed around bottom of penetration before second piece installed around top of penetration, overlapping bottom layer by 2".
- Head flap sealed using DuPont™ Tyvek® Tape or DuPont™ Self Adhered Flashing Systems products.

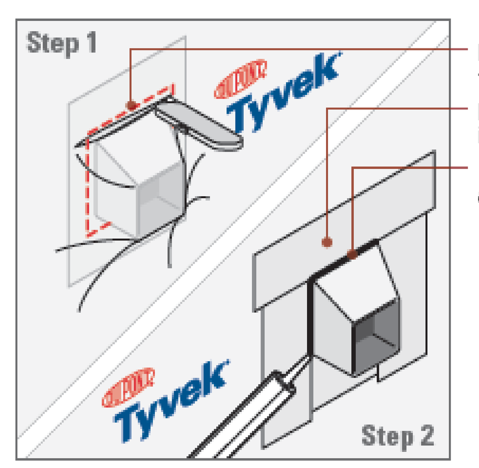


Method 2
- DuPont™ Tyvek® WRB cut back 1" around penetration.
- Single piece of DuPont™ FlexWrap™ NF applied from bottom, and around penetration with 2" overlap onto layer below.
- **Optional**: piece of DuPont™ Tyvek® WRB taped over top of DuPont™ FlexWrap™ NF.

Sealing Penetrations – Flanged Products



Method 1
- DuPont™ Self-Adhered Flashing Systems products applied to flanges.
- DuPont™ Tyvek® WRB piece installed under bottom flange.
- DuPont™ Tyvek® WRB installed to overlap piece below by min. 6".



Method 2
- DuPont™ Tyvek® WRB cut back 1" around penetration to expose flange.
- DuPont™ Self-Adhered Flashing Systems products installed at bottom, sides, and top of flanges.
- **Optional**: DuPont™ Residential Sealant applied around penetration.

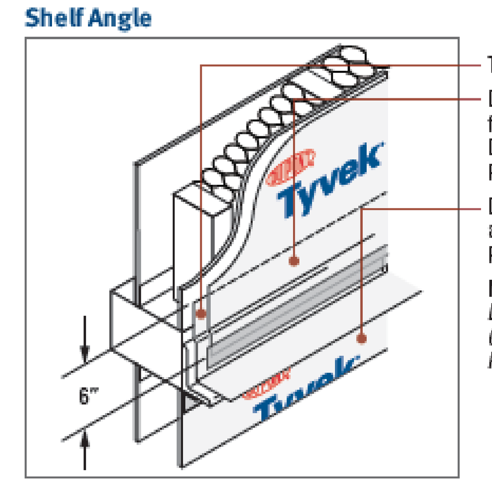
DuPont™ Tyvek® Weatherization Products

Multifamily User's Bulletin – Field Installation Examples

This document is designed to serve as a resource. The examples provided do not override or change any requirement in the currently published Installation Guidelines or Warranties. Always refer back to the applicable Installation Guidelines and Warranties, available at www.weatherization.Tyvek.com, for complete information.

DuPont Tyvek.

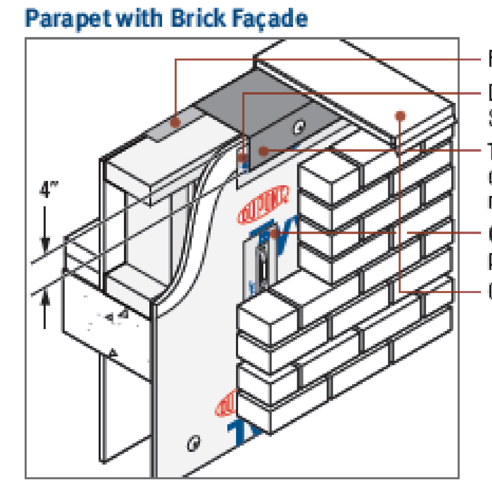
Shelf Angle



- Through wall flashing applied over shelf angle.
- DuPont™ Tyvek® WRB terminated onto through wall flashing with min. 6" overlap and sealed with DuPont™ Tyvek® Tape or DuPont™ Self-Adhered Flashing Systems Product.
- DuPont™ Tyvek® WRB sealed to bottom of shelf angle using DuPont™ Self-Adhered Flashing Systems Product.

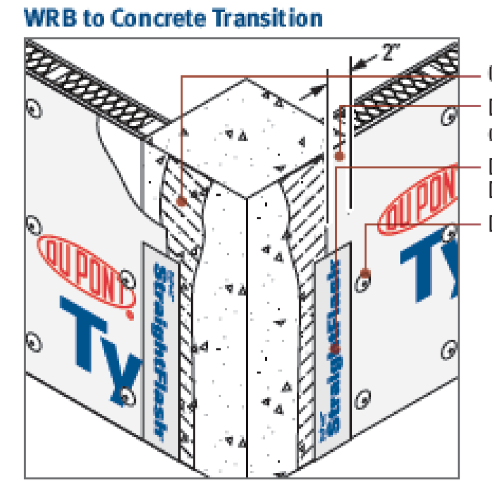
Note: For lintels or floating lintels, refer to the *DuPont Self-Adhered Flashing Systems Installation Guidelines for Buildings Greater than 4 Stories and High Performance Installations of any Height.*

Parapet with Brick Façade



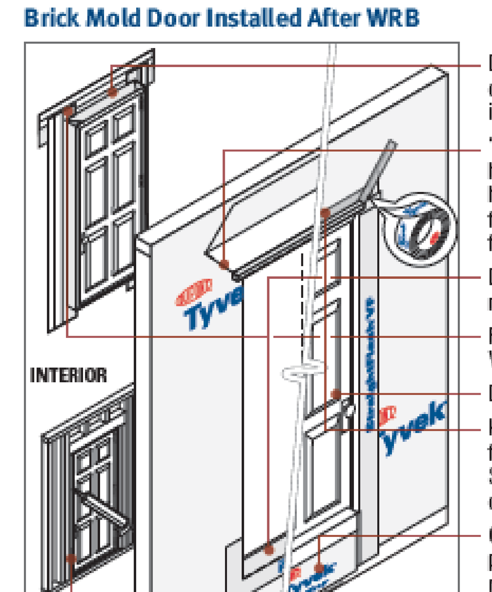
- Roofing membrane installed.
- DuPont™ Tyvek® WRB terminated with DuPont™ StraightFlash™.
- Through wall flashing installed over parapet wall, overlapping DuPont™ Tyvek® WRB and roofing membrane min. 4".
- **Optional**: DuPont™ Self-Adhered Flashing Systems patches installed behind brick ties.
- Coping Cap installed.

WRB to Concrete Transition



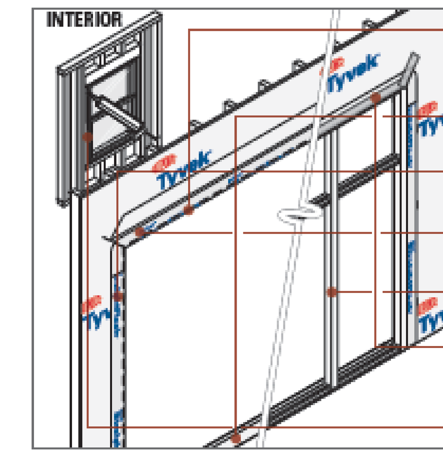
- Concrete primed with DuPont™ Adhesive/Primer.
- DuPont™ Tyvek® WRB overlapped min. 2" onto concrete column.
- DuPont™ Tyvek® WRB sealed to concrete with DuPont™ Self-Adhered Flashing Systems product.
- DuPont™ Tyvek® WRB mechanically fastened to studs.

Brick Mold Door Installed After WRB



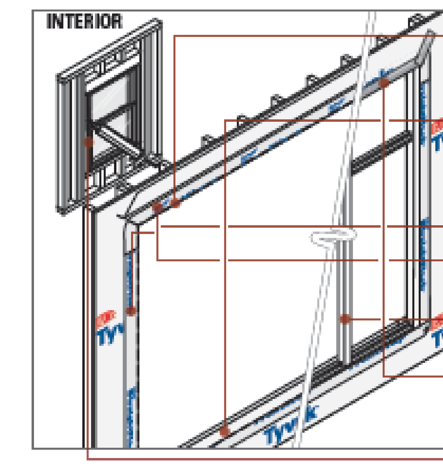
- DuPont™ StraightFlash™ VF applied to interior side of door frame along jambs and head (head piece installed first).
- "I" cut WRB at rough openings with continuous horizontal cuts at head and sill. 45° cuts at window head extending min. 8" from corners. Flaps at jambs folded into the opening and secured. Head flap flipped up and secured.
- DuPont™ FlexWrap™ NF installed at the sill extending min. 6" up jambs. Integrated back dam as applicable.
- Release paper removed from DuPont™ StraightFlash™ VF and flashing adhered at jambs and head.
- Door installed per manufacturer's specifications.
- Head flap trimmed 1-2" and secured overhead flashing with DuPont™ Tyvek® Tape or DuPont™ Self-Adhered Flashing Systems products. **Optional**: drip cap installed with head flap lapped over drip cap.
- **Optional**: high pressure skirt installed to door frame prior to door installation for higher performance requirements.
- Full interior perimeter seal applied.

Storefront Window on Slab Installed After WRB



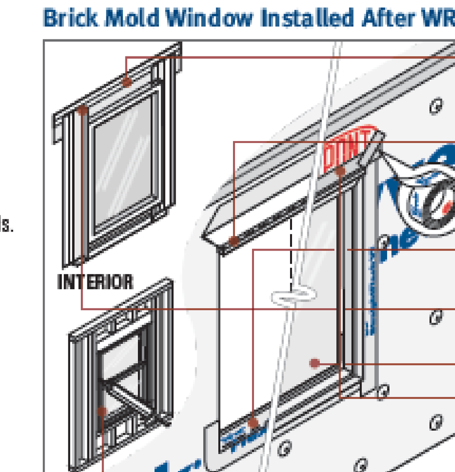
- "O" cut (flush cut) in WRB at rough opening with 45° cuts at window head extending 8" from corners. Head flap flipped up and secured.
- Sill pan flashing shimmed, leveled, anchored, and sealed per manufacturer's recommendation.
- 9" DuPont™ StraightFlash™ installed at jambs at wrapped into rough opening.
- DuPont™ FlexWrap™ NF installed at head of rough opening.
- Storefront window installed and glazed per manufacturer's instructions.
- Head flap trimmed 1-2" and secured overhead flashing with DuPont™ Tyvek® Tape or DuPont™ Self-Adhered Flashing Systems products.
- Full interior perimeter seal applied.

Storefront Window on Knee Wall Installed After WRB



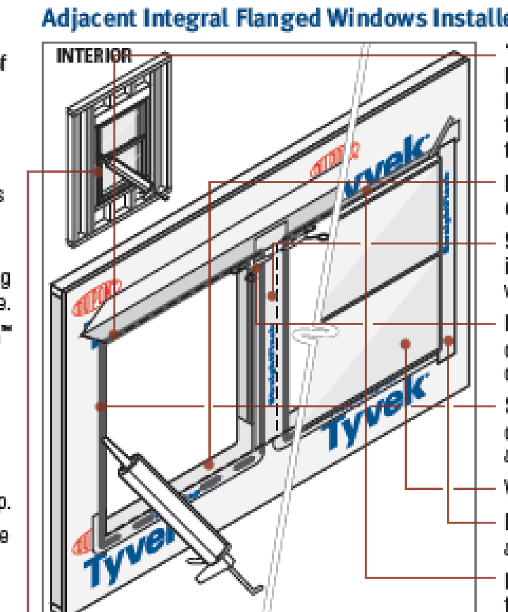
- "O" cut (flush cut) WRB at rough opening with 45° degree cuts at window head extending 8" from corners. Head flap flipped up and secured.
- DuPont™ FlexWrap™ NF installed at the sill, minimum 6" up the jambs. Sill pan flashing shimmed, leveled, anchored, and sealed per manufacturer's recommendation.
- DuPont™ StraightFlash™ installed at jambs.
- DuPont™ FlexWrap™ NF installed at head of rough opening.
- Storefront window installed and glazed per manufacturer's instructions.
- Head flap trimmed 1-2" and secured over head flashing with DuPont™ Tyvek® Tape or DuPont™ Self-Adhered Flashing Systems products.
- Full interior perimeter seal applied.

Brick Mold Window Installed After WRB



- DuPont™ StraightFlash™ VF applied to interior side of door frame along jambs and head (head piece installed first).
- "I" cut at rough opening. 45° cuts at door head extending 8" from corners. Head flap flipped up and secured. Flaps at jambs folded into the opening and secured.
- DuPont™ FlexWrap™ NF installed at the sill extending min. 6" up jambs. Integrated back dam as applicable.
- Release paper removed from DuPont™ StraightFlash™ VF and flashing adhered at jambs and head.
- Window installed per manufacturer's specifications.
- Head flap trimmed 1-2" and secured over head flashing with DuPont™ Tyvek® Tape or DuPont™ Self-Adhered Flashing Systems products. **Optional**: drip cap installed with head flap lapped over drip cap.
- Full interior perimeter seal applied.

Adjacent Integral Flanged Windows Installed After WRB



- "I" cut WRB at rough openings with continuous horizontal cuts at head and sill. 45° cuts at window head extending min. 8" from corners. Flaps at jambs folded into the opening and secured. Head flap flipped up and secured.
- DuPont™ FlexWrap™ NF installed at each sill extending min. 6" up jambs.
- 9" DuPont™ StraightFlash™ or DuPont™ Flashing Tape installed onto vertical framing; bottom edge aligned with sill, top edge extending 4" above head.
- Horizontal cuts in flashing along top of head to edge of vertical framing. Flashing flaps folded into rough opening and adhered to inside framing.
- Sealant applied to three sides of the window opening at jambs and head. **Optional**: Skip sealing at the sill for drainage.
- Window installed per manufacturer's specifications.
- DuPont™ StraightFlash™ or DuPont™ Flashing Tape applied over flanges at jambs and head.
- Head flap trimmed 1-2" and secured over head flashing with DuPont™ Tyvek® Tape or DuPont™ Self-Adhered Flashing Systems products.
- Full interior perimeter seal applied.

For more information about DuPont Weatherization Systems, please call 1-800-44-Tyvek or visit www.weatherization.tyvek.com

This document is informative and is designed to serve as a resource to the users. It does not override or change any requirement in the currently published Installation Guidelines or Warranties. Always refer back to the applicable Installation Guidelines and Warranties for complete information. Copyright © 2017 E. I. du Pont Nemours and Company. The DuPont Oval Logo, DuPont™, CommercialWrap®, DrainWrap™, FlexWrap™, HomeWrap®, Protec™, RainVent™, StraightFlash™, StuccoWrap®, ThermaWrap® and Tyvek® are trademarks or registered trademarks of DuPont or its affiliates. All rights reserved. K-29433 2/17

1 TYVEK INSTALLATION DETAILS AT OPENINGS AND PENETRATIONS
NTS

KITTLE PROPERTY GROUP INC
310 East 96th Street, Suite 400
Indianapolis, IN 46240
(317) 846-3111
www.kittleproperties.com

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SEAL

PROJECT TITLE

WEST FORK

WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
90% REVIEW SET	08/29/23
PERMIT SET	09/22/23

REVISIONS

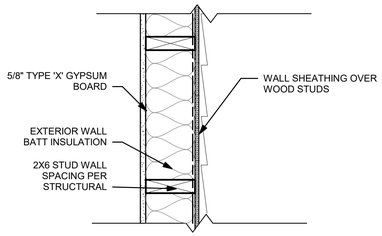
MARK	DESCRIPTION	DATE

DO NOT SCALE PRINTS - USE FIGURED DIMENSIONS ONLY

PROJECT NO.
22-018

SHEET TITLE
DETAILS

SHEET NUMBER
A-341



1A

ONE HOUR ASSEMBLY
FIRE TEST PER UL DESIGN #U356
(EXPOSED TO FIRE ON INTERIOR FACE ONLY)
STC RATING = 54 TO 58 W/ BRICK VENEER (EST.)
STC RATING = 37 TO 41 W/ VINYL SIDING (EST.)

WOOD STUDS — NOM 2 BY 4 IN. SPACED 16 IN. OC WITH TWO 2 BY 4 IN. TOP AND ONE 2 BY 4 IN. BOTTOM PLATES. STUDS LATERALLY-BRACED BY WOOD STRUCTURAL PANEL SHEATHING

GYPSUM BOARD — ANY 5/8 IN. THICK UL CLASSIFIED GYPSUM BOARD THAT IS ELIGIBLE FOR USE IN DESIGN NOS. L501, G512 OR U305. NOM 5/8 IN. THICK, 4 FT WIDE, APPLIED VERTICALLY AND NAILED TO STUDS AND BEARING PLATES 7 IN. OC WITH 6D CEMENT-COATED NAILS, 1-7/8 IN. LONG WITH 1/4 IN. DIAM HEAD.

JOINTS AND FASTENER HEADS - GYPSUM BOARD JOINTS COVERED WITH TAPE AND JOINT COMPOUND. FASTENER HEADS COVERED WITH JOINT COMPOUND.

BATTS AND BLANKETS — MINERAL FIBER OR GLASS FIBER INSULATION, 3-1/2 IN. THICK, PRESSURE FIT TO FILL WALL CAVITIES BETWEEN STUDS AND PLATES. MINERAL FIBER INSULATION TO BE UNFACED AND TO HAVE A MIN DENSITY OF 3 PCF. GLASS FIBER INSULATION TO BE FACED WITH ALUMINUM FOIL OR KRAFT PAPER AND TO HAVE A MIN DENSITY OF 0.9 PCF (MIN R-13 THERMAL INSULATION RATING).

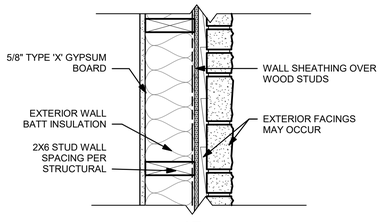
WOOD STRUCTURAL PANEL SHEATHING — MIN 7/16 IN. THICK, 4 FT WIDE WOOD STRUCTURAL PANELS, MIN GRADE "C-D" OR "SHEATHING". INSTALLED WITH LONG DIMENSION OF SHEET (STRENGTH AXIS) OR FACE GRAIN OF PLYWOOD PARALLEL WITH OR PERPENDICULAR TO STUDS. VERTICAL JOINTS CENTERED ON STUDS. HORIZONTAL JOINTS BACKED WITH NOM 2 BY 4 IN. WOOD BLOCKING. ATTACHED TO STUDS ON EXTERIOR SIDE OF WALL WITH 6D CEMENT COATED BOX NAILS SPACED 6 IN. OC AT PERIMETER OF PANELS AND 12 IN. OC ALONG INTERIOR STUDS.

EXTERIOR FACINGS — INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. ONE OF THE FOLLOWING EXTERIOR FACINGS IS TO BE APPLIED OVER THE SHEATHING:

A. VINYL SIDING — MOLDED PLASTIC — CONTOURED RIGID VINYL SIDING HAVING A FLAME SPREAD VALUE OF 20 OR LESS.

1A AS ABOVE WITH 2X6 WOOD STUDS.
SEE STRUCTURAL FOR STUD SPACING.

EXTERIOR WALL - UL - U356



1B

ONE HOUR ASSEMBLY
FIRE TEST PER UL DESIGN #U356
(EXPOSED TO FIRE ON INTERIOR FACE ONLY)
STC RATING = 54 TO 58 W/ BRICK VENEER (EST.)
STC RATING = 37 TO 41 W/ VINYL SIDING (EST.)

WOOD STUDS — NOM 2 BY 4 IN. SPACED 16 IN. OC WITH TWO 2 BY 4 IN. TOP AND ONE 2 BY 4 IN. BOTTOM PLATES. STUDS LATERALLY-BRACED BY WOOD STRUCTURAL PANEL SHEATHING

GYPSUM BOARD — ANY 5/8 IN. THICK UL CLASSIFIED GYPSUM BOARD THAT IS ELIGIBLE FOR USE IN DESIGN NOS. L501, G512 OR U305. NOM 5/8 IN. THICK, 4 FT WIDE, APPLIED VERTICALLY AND NAILED TO STUDS AND BEARING PLATES 7 IN. OC WITH 6D CEMENT-COATED NAILS, 1-7/8 IN. LONG WITH 1/4 IN. DIAM HEAD.

JOINTS AND FASTENER HEADS - GYPSUM BOARD JOINTS COVERED WITH TAPE AND JOINT COMPOUND. FASTENER HEADS COVERED WITH JOINT COMPOUND.

BATTS AND BLANKETS — MINERAL FIBER OR GLASS FIBER INSULATION, 3-1/2 IN. THICK, PRESSURE FIT TO FILL WALL CAVITIES BETWEEN STUDS AND PLATES. MINERAL FIBER INSULATION TO BE UNFACED AND TO HAVE A MIN DENSITY OF 3 PCF. GLASS FIBER INSULATION TO BE FACED WITH ALUMINUM FOIL OR KRAFT PAPER AND TO HAVE A MIN DENSITY OF 0.9 PCF (MIN R-13 THERMAL INSULATION RATING).

WOOD STRUCTURAL PANEL SHEATHING — MIN 7/16 IN. THICK, 4 FT WIDE WOOD STRUCTURAL PANELS, MIN GRADE "C-D" OR "SHEATHING". INSTALLED WITH LONG DIMENSION OF SHEET (STRENGTH AXIS) OR FACE GRAIN OF PLYWOOD PARALLEL WITH OR PERPENDICULAR TO STUDS. VERTICAL JOINTS CENTERED ON STUDS. HORIZONTAL JOINTS BACKED WITH NOM 2 BY 4 IN. WOOD BLOCKING. ATTACHED TO STUDS ON EXTERIOR SIDE OF WALL WITH 6D CEMENT COATED BOX NAILS SPACED 6 IN. OC AT PERIMETER OF PANELS AND 12 IN. OC ALONG INTERIOR STUDS.

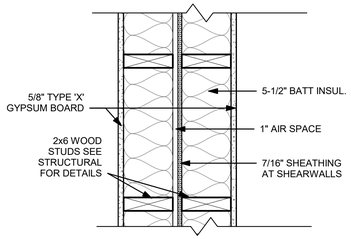
EXTERIOR FACINGS — INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. ONE OF THE FOLLOWING EXTERIOR FACINGS IS TO BE APPLIED OVER THE SHEATHING:

A. VINYL SIDING — MOLDED PLASTIC — CONTOURED RIGID VINYL SIDING HAVING A FLAME SPREAD VALUE OF 20 OR LESS.

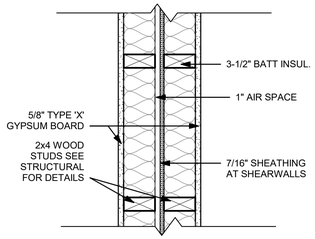
I. WALL AND PARTITION FACINGS AND ACCESSORIES — STONE VENEER IS MORTAR BONDED TO A LATH, SCRATCH COAT AND WATER RESISTANT BARRIER APPLIED TO SHEATHING, INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS INSTALLATION INSTRUCTIONS, AND MEETING THE REQUIREMENTS OF LOCAL CODE AGENCIES.

1B AS ABOVE WITH 2X6 WOOD STUDS.
SEE STRUCTURAL FOR STUD SPACING.

EXTERIOR WALL - UL - U356



2A



2B

ONE HOUR ASSEMBLY
FIRE TEST PER UL DESIGN #U341
STC RATING =53

WOOD STUDS — NOM 2 BY 4 IN., SPACED 24 IN. OC MAX. CROSS BRACED AT MID-HEIGHT AND EFFECTIVELY FIRESTOPPED AT TOP AND BOTTOM OF WALL. NO MIN. AIR SPACE BETWEEN STUD ROWS EXCEPT TO ACCOMMODATE ATTACHMENT OF SHEATHING, WHERE REQUIRED.

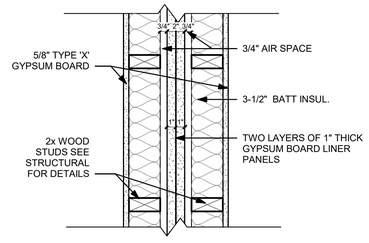
BATTS AND BLANKETS — GLASS FIBER INSULATION, NOM 3-1/2 IN. THICK, MIN. DENSITY OF 0.80 PCF, WITH A FLAME SPREAD OF 25 OR LESS AND A SMOKE DEVELOPED OF 50 OR LESS, FRICTION-FITTED TO COMPLETELY FILL THE STUD CAVITIES.

GYPSUM BOARD — ANY 5/8 IN. THICK UL CLASSIFIED GYPSUM BOARD THAT IS ELIGIBLE FOR USE IN DESIGN NOS. L501, G512 OR U305. NOM 5/8 IN. THICK 4 FT WIDE. GYPSUM BOARD APPLIED HORIZONTALLY OR VERTICALLY, UNLESS SPECIFIED BELOW, AND NAILED TO STUDS AND BEARING PLATES 7 IN. OC WITH 6D CEMENT COATED NAILS, 1-7/8 IN. LONG, 0.0915 IN. SHANK DIAM AND 1/4 IN. DIAM HEAD, AS AN ALTERNATE, NO. 6 BUGLE HEAD DRYWALL SCREWS, 1-7/8 IN. LONG, MAY BE SUBSTITUTED FOR THE 6D CEMENT COATED NAILS.

JOINTS AND NAILHEADS — GYPSUM BOARD JOINTS OF OUTER LAYER COVERED WITH TAPE AND JOINT COMPOUND. NAIL HEADS OF OUTER LAYER COVERED WITH JOINT COMPOUND. AS AN ALTERNATE, NOM 3/32 IN. THICK GYPSUM VENEER PLASTER MAY BE APPLIED TO THE ENTIRE SURFACE OF CLASSIFIED VENEER BASEBOARD WITH JOINTS REINFORCED WITH PAPER TAPE.

2B AS ABOVE WITH 2X4 WOOD STUDS.
SEE STRUCTURAL FOR STUD SPACING.

DEMISING WALL - UL-U341



2C

TWO HOUR ASSEMBLY
FIRE TEST PER UL DESIGN #U336
STC RATING =53

WOOD STUDS — NOM 2 BY 4 IN. MAX SPACING 24 IN. OC. STUDS CROSS BRACED AT MID-HEIGHT WHERE NECESSARY FOR CLIP ATTACHMENT. MIN 3/4 IN. SEPARATION BETWEEN WOOD FRAMING AND FIRE SEPARATION WALL.

BATTS AND BLANKETS — GLASS FIBER INSULATION, NOM 3-1/2 IN. THICK, MIN. DENSITY OF 0.80 PCF, WITH A FLAME SPREAD OF 25 OR LESS AND A SMOKE DEVELOPED OF 50 OR LESS, FRICTION-FITTED TO COMPLETELY FILL THE STUD CAVITIES.

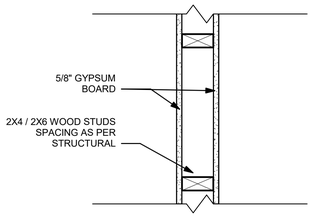
GYPSUM BOARD - LINER PANEL — TWO LAYERS OF 1 IN. THICK GYPSUM BOARD LINER PANELS, SUPPLIED IN NOM 24 IN. WIDTHS. VERTICAL EDGES OF PANELS FRICTION FITTED INTO "H" -SHAPED STUDS.

GYPSUM BOARD — CLASSIFIED OR UNCLASSIFIED — MIN 1/2 IN. THICK, 4 FT WIDE, APPLIED EITHER HORIZONTALLY OR VERTICALLY. GYPSUM BOARD ATTACHED TO STUDS WITH 1-1/4 IN. LONG STEEL DRYWALL NAILS SPACED 8 IN. OC. VERTICAL JOINTS LOCATED OVER STUDS. (OPTIONAL) JOINTS COVERED WITH PAPER TAPE AND JOINT COMPOUND. NAIL HEADS COVERED WITH JOINT COMPOUND.

JOINTS AND NAILHEADS — GYPSUM BOARD JOINTS OF OUTER LAYER COVERED WITH TAPE AND JOINT COMPOUND. NAIL HEADS OF OUTER LAYER COVERED WITH JOINT COMPOUND. AS AN ALTERNATE, NOM 3/32 IN. THICK GYPSUM VENEER PLASTER MAY BE APPLIED TO THE ENTIRE SURFACE OF CLASSIFIED VENEER BASEBOARD WITH JOINTS REINFORCED WITH PAPER TAPE.

2C AS ABOVE WITH 2X4 WOOD STUDS.
SEE STRUCTURAL FOR STUD SPACING.

DEMISING WALL - UL-U336



INTERIOR NON RATED, NON LOAD BEARING WALL ASSEMBLY

WOODS STUDS - 2x4/2X6 WOOD STUDS SPACED PER STRUCTURAL.

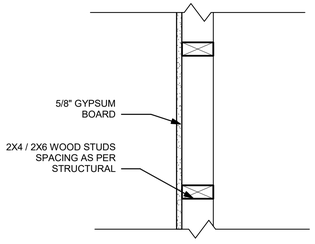
GYPSUM BOARD - ONE LAYER OF 5/8" THICK GYPSUM WALLBOARD WITH BEVELED, SQUARE OR TAPERED EDGES, APPLIED VERTICALLY OR HORIZONTALLY. VERTICAL JOINTS CENTERED OVER STUDS AND STAGGERED ONE STUD CAVITY ON OPPOSITE SIDES OF STUDS. PANELS ATTACHED TO WOOD STUDS, TOP PLATE AND BOTTOM PLATE WITH 1-1/4" LONG TYPE W COURSE THREAD STEEL SCREWS SPACED 8" OC.

JOINT TYPE AND COMPOUND - VINYL OR CAESIN, DRY OR PREMIXED JOINT COMPOUND APPLIED IN TWO COATS TO JOINTS AND SCREW HEADS OF OUTER LAYERS. PAPER TAPE, NOM. 2" WIDE, EMBEDDED IN FIRST LAYER OF COMPOUND OVERALL JOINTS OF OUTER LAYERS.

3A AS ABOVE WITH 2X4 WOOD STUDS.
SEE STRUCTURAL FOR STUD SPACING.

3B AS ABOVE WITH 2X6 WOOD STUDS.
SEE STRUCTURAL FOR STUD SPACING.

NON RATED WALLS



INTERIOR NON RATED, NON LOAD BEARING WALL ASSEMBLY

WOODS STUDS - 2x4/2X6 WOOD STUDS SPACED PER STRUCTURAL.

GYPSUM BOARD - ONE LAYER OF 5/8" THICK GYPSUM WALLBOARD WITH BEVELED, SQUARE OR TAPERED EDGES, APPLIED VERTICALLY OR HORIZONTALLY. VERTICAL JOINTS CENTERED OVER STUDS. PANELS ATTACHED TO WOOD STUDS, TOP PLATE AND BOTTOM PLATE WITH 1-1/4" LONG TYPE W COURSE THREAD STEEL SCREWS SPACED 8" OC.

JOINT TYPE AND COMPOUND - VINYL OR CAESIN, DRY OR PREMIXED JOINT COMPOUND APPLIED IN TWO COATS TO JOINTS AND SCREW HEADS OF OUTER LAYERS. PAPER TAPE, NOM. 2" WIDE, EMBEDDED IN FIRST LAYER OF COMPOUND OVERALL JOINTS OF OUTER LAYERS.

4A AS ABOVE WITH 2X4 WOOD STUDS.
SEE STRUCTURAL FOR STUD SPACING.

4B AS ABOVE WITH 2X6 WOOD STUDS.
SEE STRUCTURAL FOR STUD SPACING.

NON RATED WALLS WITH GYP ON ONE SIDE

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SEAL

PROJECT TITLE

WEST FORK

WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
90% REVIEW SET	08/29/23
PERMIT SET	09/22/23

REVISIONS

MARK	DESCRIPTION	DATE

DO NOT SCALE PRINTS - USE FIGURED DIMENSIONS ONLY

PROJECT NO.

22-018

SHEET TITLE

WALL ASSEMBLY

SHEET NUMBER

A-350

T:\01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dr\7 CAD and Revit\BUIDLING 4BR6+2BR18+1BR12 - 9.13.23.rvt
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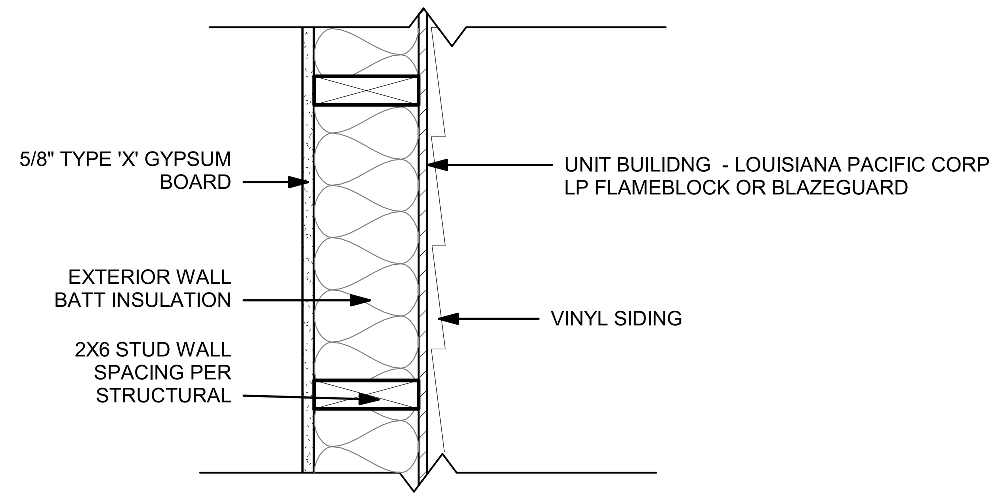


7B

ONE HOUR ASSEMBLY
FIRE TEST PER UL DESIGN #V340
(EXPOSED TO FIRE ON BOTH SIDES

WOOD STUDS — NOM 2 BY 6 IN. SPACED 16 IN. OC WITH TWO 2 BY 6 IN. TOP AND ONE 2 BY 6 IN. BOTTOM PLATES. STUDS LATERALLY-BRACED BY WOOD STRUCTURAL PANEL SHEATHING

GYPSUM BOARD — ANY 5/8 IN. THICK UL CLASSIFIED GYPSUM BOARD THAT IS ELIGIBLE FOR USE IN DESIGN NOS. L501, G512 OR U305. NOM 5/8 IN. THICK, 4 FT WIDE, APPLIED VERTICALLY AND NAILED TO STUDS AND BEARING PLATES 7 IN. OC WITH 6D CEMENT-COATED NAILS, 1-7/8 IN. LONG WITH 1/4 IN. DIAM HEAD.

JOINTS AND FASTENER HEADS - GYPSUM BOARD JOINTS COVERED WITH TAPE AND JOINT COMPOUND. FASTENER HEADS COVERED WITH JOINT COMPOUND.

BATTS AND BLANKETS —GLASS FIBER OR MINERAL WOOL INSULATION. PLACED TO COMPLETELY OR PARTIALLY FILL THE STUD CAVITIES.

BUILDING UNITS - BUILDING UNITS PLACED WITH THE LAMNINATE FACE AGAINST OR LAMINATE FACE AWAY FROM, AND NAILED TO, WOOD FRAMING WITH 1-7/8 IN. LONG, 6 IN. OC. ON THE PERIMETER AND 12 IN. OC. IN THE FIELD. VERTICAL JOINTS CENTERED ON STUDS. HORIZONTAL JOINTS BACKED WITH NOM. 2 BY 4 WOOD BLOCKING.

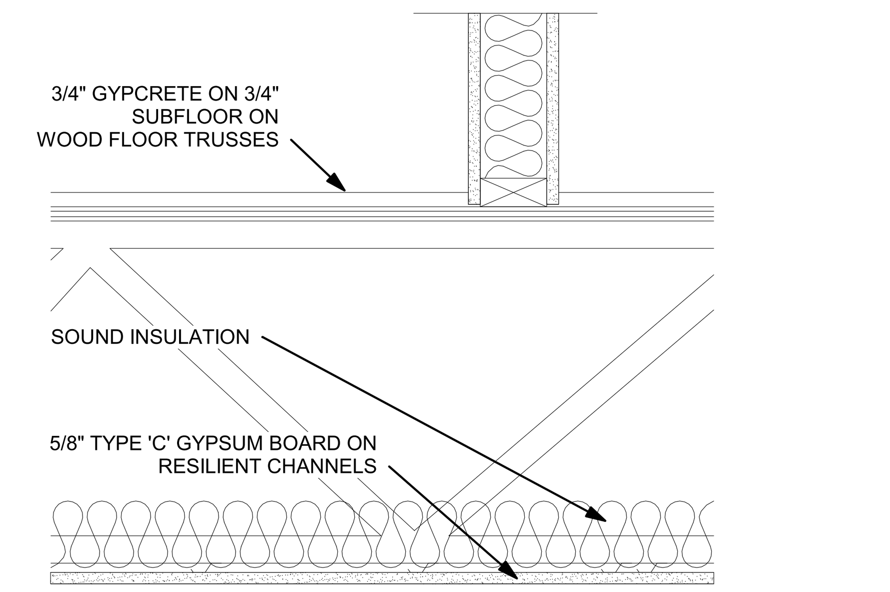
LOUISIANA-PACIFIC CORP - TYPE 1- SIDE
LOUISIANA PACIFIC CORP - TYPE LP FLAMEBLOCK 1-SIDE

EXTERIOR FACINGS — INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. ONE OF THE FOLLOWING EXTERIOR FACINGS IS TO BE APPLIED OVER THE SHEATHING:

B. VINYL SIDING — MOLDED PLASTIC — CONTOURED RIGID VINYL SIDING HAVING A FLAME SPREAD VALUE OF 20 OR LESS.

7B AS ABOVE WITH 2X6 WOOD STUDS WITH VINYL EXTERIOR FACE. SEE STRUCTURAL FOR STUD SPACING.

EXTERIOR WALL - UL - V340



FLOOR/CEILING ONE HOUR ASSEMBLY
GYPSUM ASSOCIATION #FC5514
FIRE TEST PER UL DESIGN #L558
STC RATING = 58
IIC RATING = 51

SUBFLOORING — MIN 23/32 IN. THICK WOOD STRUCTURAL PANELS INSTALLED PERPENDICULAR TO TRUSSES WITH END JOINTS STAGGERED 4 FT. PLYWOOD OR NON-VENEER APA RATED PANELS SECURED TO TRUSSES WITH CONSTRUCTION ADHESIVE AND NO. 6D RINGED SHANK NAILS SPACED 12 IN. OC ALONG EACH TRUSS. STAPLES HAVING EQUAL OR GREATER WITHDRAWAL AND LATERAL RESISTANCE STRENGTH MAY BE SUBSTITUTED FOR THE 6D NAILS

FINISH FLOORING — FLOOR TOPPING MIXTURE — MIN 3/4 IN. THICKNESS OF FLOOR TOPPING MIXTURE HAVING A MINIMUM COMPRESSIVE STRENGTH OF 1500 PSI. REFER TO MANUFACTURER'S INSTRUCTIONS ACCOMPANYING THE MATERIAL FOR SPECIFIC MIX DESIGN.

TRUSSES — PARALLEL CHORD TRUSSES, SPACED A MAX OF 24 IN. OC, FABRICATED FROM NOM 2 BY 4 LUMBER, WITH LUMBER ORIENTED VERTICALLY OR HORIZONTALLY. MIN TRUSS DEPTH IS 18 IN. TRUSS MEMBERS SECURED TOGETHER WITH MIN 0.036 IN. THICK GALVANIZED STEEL PLATES. PLATES HAVE 5/16 IN. LONG TEETH PROJECTING PERPENDICULAR TO THE PLANE OF THE PLATE. THE TEETH ARE IN PAIRS FACING EACH OTHER (MADE BY THE SAME PUNCH), FORMING A SPLIT TOOTH TYPE PLATE. EACH TOOL HAS A CHISEL POINT ON ITS OUTSIDE EDGE. THESE POINTS ARE DIAGONALLY OPPOSITE EACH OTHER FOR EACH PAIR. THE TOP HALF OF EACH TOOTH HAS A TWIST FOR STIFFNESS. THE PAIRS ARE REPEATED ON APPROX. 7/8 IN. CENTERS WITH FOUR ROWS OF TEETH PER INCH OF PLATE WIDTH.

AIR DUCT — ANY UL CLASS 0 OR CLASS 1 FLEXIBLE AIR DUCT INSTALLED IN ACCORDANCE WITH THE INSTRUCTIONS PROVIDED BY THE DAMPER MANUFACTURER.

CEILING DAMPER - MAX NOM AREA SHALL BE 324 SQ IN. MAX SQUARE SIZE SHALL BE 18 IN. BY 18 IN. RECTANGULAR SIZES NOT TO EXCEED 324 SQ IN. WITH A MAX WIDTH OF 18 IN. MAX HEIGHT OF DAMPER SHALL BE 14 IN. AGGREGATE DAMPER OPENINGS SHALL NOT EXCEED 162 SQ IN. PER 100 SQ FT OF CEILING AREA. DAMPER INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS PROVIDED WITH THE DAMPER. A STEEL GRILLE (ITEM 9) SHALL BE INSTALLED IN ACCORDANCE WITH INSTALLATION INSTRUCTIONS.

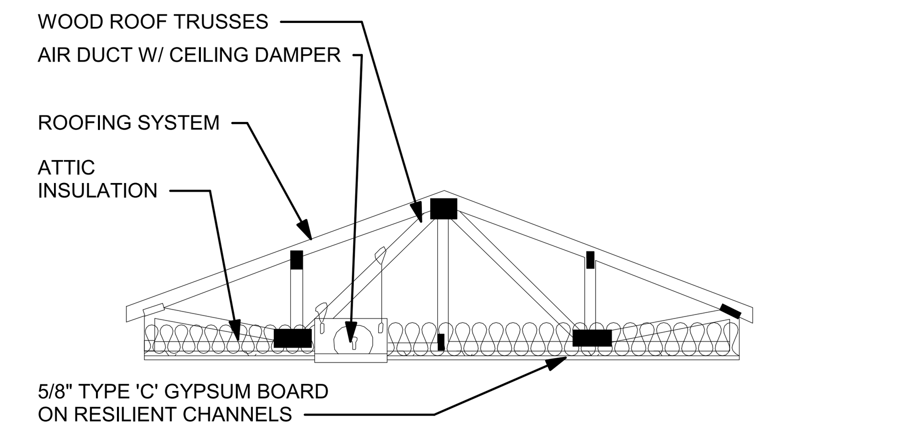
BATTS AND BLANKETS* — MAX 3-1/2 IN. THICKNESS OF GLASS FIBER INSULATION. INSULATION DRAPED OVER THE RESILIENT CHANNELS AND GYPSUM BOARD CEILING MEMBRANE. INSULATION MAY ALTERNATELY BE SECURED TO PLYWOOD SUBFLOOR WITH STAPLES SPACED 12 IN. OC OR TO THE TRUSSES WITH 0.090 IN. DIAM GALV STEEL WIRES SPACED 12 IN. OC. ANY GLASS FIBER INSULATION BEARING THE UL CLASSIFICATION MARKING FOR SURFACE BURNING CHARACTERISTICS AND/OR FIRE RESISTANCE, AND HAVING A MIN DENSITY OF 0.5 PCF MAY BE USED. THE FINISHED RATING HAS ONLY BEEN DETERMINED WHEN THE INSULATION IS SECURED TO THE SUBFLOOR.

LOOSE FILL MATERIAL — LOOSE FILL MATERIAL MAY BE USED AS AN ALTERNATE TO BATT INSULATION. ANY LOOSE FILL MATERIAL BEARING THE UL CLASSIFICATION MARKING FOR SURFACE BURNING CHARACTERISTICS, HAVING A MIN DENSITY OF 0.5 PCF AND INSTALLED AT A MAX THICKNESS OF 3-1/2 IN. MAY BE USED. THE FINISHED RATING WHEN LOOSE FILL MATERIAL IS USED HAS NOT BEEN DETERMINED.

RESILIENT CHANNELS — RESILIENT CHANNELS FORMED OF 25 MSG THICK GALV STEEL, SPACED 16 IN. OC, INSTALLED PERPENDICULAR TO TRUSSES. WHEN BATT AND BLANKET MATERIAL, IS DRAPED OVER THE RESILIENT CHANNEL/GYPSUM WALLBOARD CEILING MEMBRANE OR ITEM 5A IS USED, THE SPACING SHALL BE 12 IN. OC. CHANNELS SECURED TO EACH TRUSS WITH 1-1/4 IN. LONG TYPE S BUGLE HEAD STEEL SCREWS. CHANNELS OVERLAPPED 4 IN. AT SPLICES. TWO CHANNELS, SPACED 6 IN. OC, ORIENTED OPPOSITE EACH GYPSUM BOARD END JOINT AS SHOWN IN THE ABOVE ILLUSTRATION. ADDITIONAL CHANNELS SHALL EXTEND MIN 6 IN. BEYOND EACH SIDE EDGE OF BOARD.

GYPSUM BOARD — NOM 5/8 IN. THICK, 48 IN. WIDE GYPSUM BOARD INSTALLED WITH LONG DIMENSION PERPENDICULAR TO RESILIENT CHANNELS. GYPSUM BOARD SECURED WITH 1-1/8 IN. LONG TYPE S BUGLE HEAD STEEL SCREWS SPACED 8 IN. OC AND LOCATED A MIN OF 1/2 IN. FROM SIDE JOINTS AND 3 IN. FROM THE END JOINTS. END JOINTS SECURED TO BOTH RESILIENT CHANNELS AS SHOWN IN END JOINT DETAILS.

FINISHING SYSTEM — VINYL, DRY OR PREMIXED JOINT COMPOUND, APPLIED IN TWO COATS TO JOINTS AND SCREW-HEADS. NOM 2 IN. WIDE PAPER TAPE EMBEDDED IN FIRST LAYER OF COMPOUND OVER ALL JOINTS. AS AN ALTERNATE, NOM 3/32 IN. THICK VENEER PLASTER MAY BE APPLIED TO THE ENTIRE SURFACE OF GYPSUM BOARD.



ROOF/CEILING ASSEMBLY - ONE HOUR
FIRE TEST PER UL DESIGN #P522

ROOFING SYSTEM - ANY UL CLASS A, B OR C ROOFING SYSTEM (TGFU) OR PREPARED ROOF COVERING (TFWZ) ACCEPTABLE FOR USE OVER NOM 15/32 IN. THICK WOOD STRUCTURAL PANELS, MIN. GRADE "C-D" OR "SHEATHING". NOM 15/32 IN. THICK WOOD STRUCTURAL PANELS SECURED TO TRUSSES WITH NO. 6D RINGED SHANK NAILS SPACED 12 IN. OC ALONG EACH TRUSS. STAPLES HAVING EQUAL OR GREATER WITHDRAWAL AND LATERAL RESISTANCE STRENGTH MAY BE SUBSTITUTED FOR THE 6D NAILS. CONSTRUCTION ADHESIVE MAY BE USED WITH EITHER THE NAILS OR STAPLES.

TRUSSES — PITCHED OR PARALLEL CHORD WOOD TRUSSES, SPACED A MAX OF 24 IN. OC, FABRICATED FROM NOM 2 BY 4 LUMBER, WITH LUMBER ORIENTED VERTICALLY OR HORIZONTALLY. TRUSS MEMBERS SECURED TOGETHER WITH MIN. 0.0356 IN. THICK GALV STEEL PLATES. PLATES HAVE 5/16 IN. LONG TEETH PROJECTING PERPENDICULAR TO THE PLANE OF THE PLATE. THE TEETH ARE IN PAIRS FACING EACH OTHER (MADE BY THE SAME PUNCH), FORMING A SPLIT TOOTH TYPE PLATE. EACH TOOTH HAS A CHISEL POINT ON ITS OUTSIDE EDGE. THESE POINTS ARE DIAGONALLY OPPOSITE EACH OTHER FOR EACH PAIR. THE TOP HALF OF EACH TOOTH HAS A TWIST FOR STIFFNESS. THE PAIRS ARE REPEATED ON APPROXIMATELY 7/8 IN. CENTERS WITH FOUR ROWS OF TEETH PER INCH OF PLATE WIDTH. WHERE THE TRUSS INTERSECTS WITH THE INTERIOR FACE OF THE EXTERIOR WALLS, THE MIN TRUSS DEPTH SHALL BE 5-1/4 IN. WITH A MIN ROOF SLOPE OF 3/12 AND A MIN. AREA IN THE PLANE OF THE TRUSS OF 21 SQ/FT.

BATTS AND BLANKETS* — GLASS FIBER INSULATION, SECURED TO THE WOOD STRUCTURAL PANELS WITH STAPLES SPACED 12 IN. OC OR TO THE TRUSSES WITH 0.090 IN. DIAM GALV STEEL WIRES SPACED 12 IN. OC. THE INSULATION MAY BE FITTED IN THE CONCEALED SPACE, DRAPED OVER THE RESILIENT CHANNEL/GYPSUM BOARD CEILING MEMBRANE

AIR DUCT — ANY UL CLASS 0 OR CLASS 1 FLEXIBLE AIR DUCT INSTALLED IN ACCORDANCE WITH THE INSTRUCTIONS PROVIDED BY THE DAMPER MANUFACTURER.

CEILING DAMPER — CEILING DAMPER & FAN ASSEMBLY FOR USE WITH MIN 18 IN. DEEP TRUSSES. MAX NOM AREA SHALL BE 103 SQ IN. WITH THE LENGTH NOT TO EXCEED 10-1/8 IN. AND THE WIDTH NOT TO EXCEED 10-1/8 IN. AGGREGATE DAMPER OPENINGS SHALL NOT EXCEED 52 SQ IN. PER 100 SQ FT OF CEILING AREA. DAMPER SHALL BE INSTALLED IN COMBINATION WITH ONE OF THE FAN MODELS DESCRIBED IN, AND IN ACCORDANCE WITH, THE MANUFACTURER'S INSTALLATION INSTRUCTIONS PROVIDED WITH THE DAMPER. A PLASTIC GRILLE SHALL BE INSTALLED IN ACCORDANCE WITH INSTALLATION INSTRUCTIONS.

RESILIENT CHANNELS — FORMED FROM MIN 25 MSG GALV STEEL INSTALLED PERPENDICULAR TO TRUSSES AND SPACED 16 IN. OC. CHANNELS SECURED TO EACH TRUSS WITH 1-5/8 IN. LONG TYPE S BUGLE HEAD STEEL SCREWS. CHANNELS OVERLAPPED 4 IN. AT SPLICES. TWO CHANNELS, SPACED 6 IN. OC, ORIENTED OPPOSITE EACH GYPSUM PANEL END JOINT. ADDITIONAL CHANNELS SHALL EXTEND MIN 6 IN. BEYOND EACH SIDE EDGE OF PANEL. INSULATION, ITEM 3C IS APPLIED OVER THE RESILIENT CHANNEL/GYPSUM PANEL CEILING MEMBRANE.

GYPSUM BOARD — ONE LAYER OF NOM 5/8 IN. THICK BY 48 IN. WIDE BOARDS, INSTALLED WITH LONG DIMENSION PARALLEL TO TRUSSES. ATTACHED TO THE RESILIENT CHANNELS USING 1 IN. LONG TYPE S BUGLE-HEAD SCREWS. SCREWS SPACED A MAX OF 12 IN. OC ALONG BUTTED END-JOINTS AND IN THE FIELD WHEN NO INSULATION (ITEM 3 OR 3A) IS FITTED IN THE CONCEALED SPACED, OR A MAX OF 8 IN. OC ALONG BUTTED END-JOINTS AND IN THE FIELD WHEN INSULATION (ITEM 3 OR 3A) IS FITTED IN THE CONCEALED SPACE, DRAPED OVER THE RESILIENT CHANNEL/GYPSUM BOARD CEILING MEMBRANE. WHEN INSULATION (ITEM 3B, 3D OR 3E) IS INSTALLED IN THE CONCEALED SPACE, SPRAY-APPLIED TO THE UNDERSIDE OF THE ROOFING SYSTEM (ITEM 1), SCREWS ARE SPACED A MAX OF 8 IN. OC ALONG RESILIENT CHANNELS, FASTENERS ARE INCREASED IN LENGTH TO 1-1/4 IN, AND GYPSUM BOARD BUTT JOINTS SHALL BE STAGGERED MIN. 2 FT WITHIN THE ASSEMBLY, AND OCCUR BETWEEN THE MAIN FURRING CHANNELS.

FINISHING SYSTEM — VINYL, DRY OR PREMIXED JOINT COMPOUND, APPLIED IN TWO COATS TO JOINTS AND SCREW-HEADS; PAPER TAPE, 2 IN. WIDE, EMBEDDED IN FIRST LAYER OF COMPOUND OVER ALL JOINTS. AS AN ALTERNATE, NOM 3/32 IN. THICK VENEER PLASTER MAY BE APPLIED TO THE ENTIRE SURFACE OF GYPSUM BOARD.

ARCHITECT OF RECORD

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SEAL

PROJECT TITLE

WEST FORK

WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	XX/XX/XX
90% REVIEW SET	XX/XX/XX
PERMIT SET	XX/XX/XX

REVISIONS

MARK	DESCRIPTION	DATE

DO NOT SCALE PRINTS - USE FIGURED DIMENSIONS ONLY

PROJECT NO.
22-018

SHEET TITLE
ROOF & FLOOR/CEILING ASSEMBLY

SHEET NUMBER
A-351

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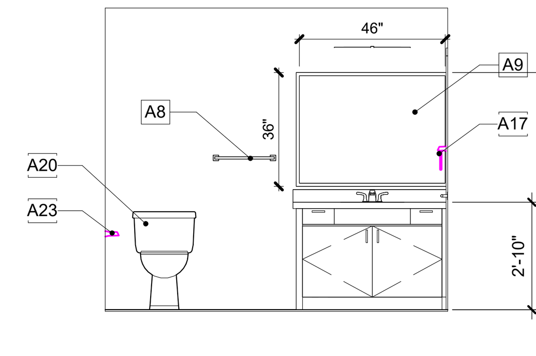
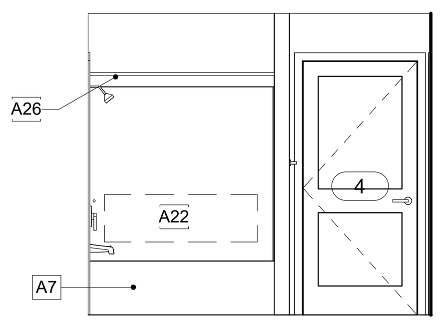
Unit Plan Keynotes

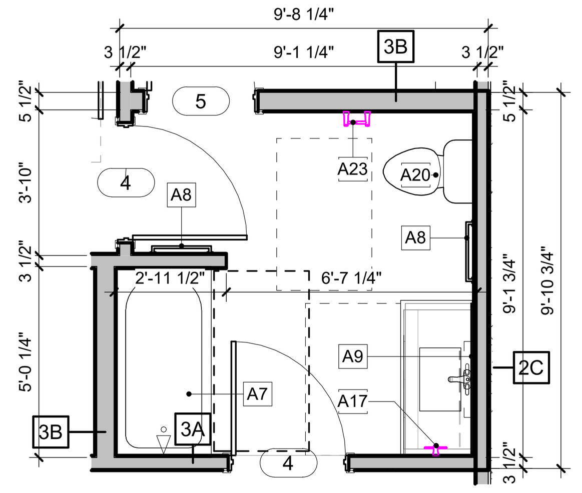
Key Value	Keynote Text
A1	LAUNDRY WIRE SHELF 12"D AT 5'-6" AFF TYP. ,48" AFF ACC. UNITS
A2	(5) 16" WIRE SHELVES
A7	30X60 TUB/SHOWER COMBO WITH ADJUSTABLE HEIGHT SHOWERHEAD OR HANDHELD SHOWERHEAD WITH FLEXIBLE HOSE AND EASILY OPERABLE CONTROLS, WITH BLOCKING ON FIRST AND BATHTUB SEAL TRIM IN ALL TYPICAL FLOORS UNITS
A8	24" TOWEL BAR (MODEL- MOEN, CONTEMPORARY, CHROME) - PROVIDE BLOCKING AS REQUIRED
A9	PLATE GLASS MIRROR - 46" X 36" STANDARD, BOTTOM OF REFLECTIVE SURFACE 40" MAX AFF
A11	PLAM COUNTERTOP 36" AFF TYPICAL, 34" AFF ACCESSIBLE WITH 4" INTEGRAL PLAM BACKSPLASH
A14	FILLER PANEL AS REQUIRED
A17	HAND TOWEL RING (MODEL- MOEN, CONTEMPORARY, CHROME)
A19	18" PANTRY CABINET
A20	TOILET AT LEAST AT 17" AFF
A22	BLOCKING FOR FUTURE GRAB BARS INSTALATION
A23	TOILET PAPER DISPENSER (MODEL- MOEN, CONTEMPORARY, CHROME)
A26	SHOWER ROD CURVED (MODEL- MOEN, CONTEMPORARY, CHROME)
K1	GE BLACK REFRIGERATOR - ENERGY STAR RATED
K2	GE BLACK RANGE - ENERGY STAR RATED
K3	GE BLACK OVER-THE-RANGE MICROWAVE - ENERGY STAR RATED
K4	GE BLACK DISHWASHER -ENERGY STAR RATED (ADA COMPLIANT IN ACCESSIBLE UNITS)
K5	ENERGY STAR WATER HEATER
K6	ENERGY STAR FURNACE
K7	ENERGY STAR WASHER (FRONT LOADING ACC. UNITS)
K8	ENERGY STAR DRYER (FRONT LOADING ACC. UNITS)
K9	KITCHEN SINK W/ LEVER FAUCET AND GARBAGE DISPOSAL



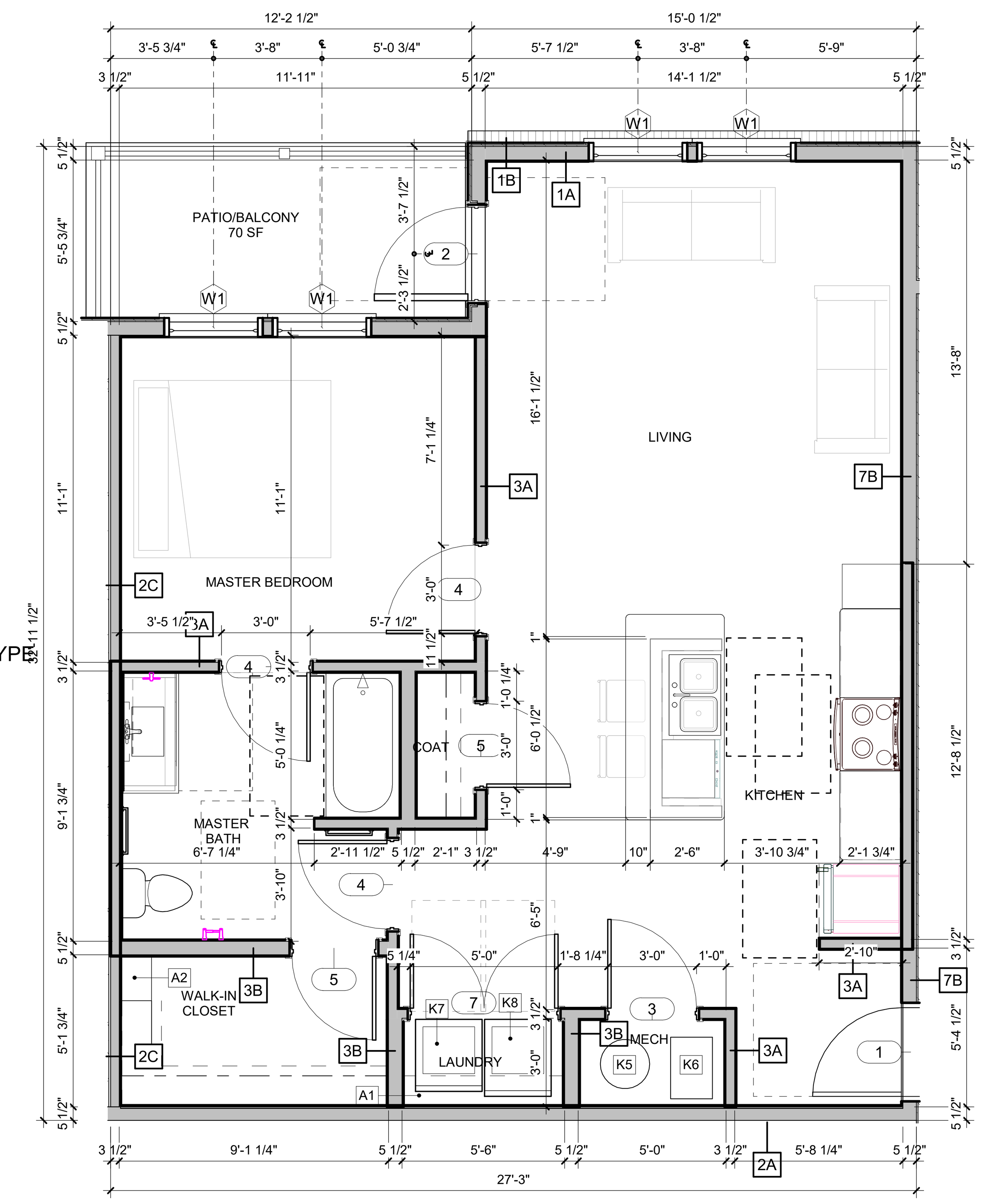
8 1 BEDROOM UNIT - MASTER BATH STANDARD TYPE
1/4" = 1'-0"



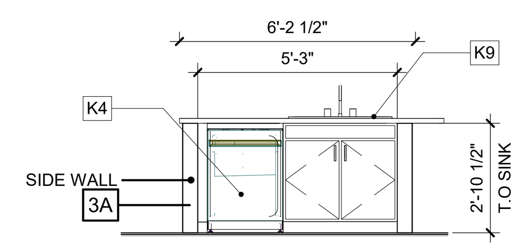
7 1 BEDROOM UNIT - MASTER BATH INTERIOR ELEVATION STANDARD TYPE
1/4" = 1'-0"



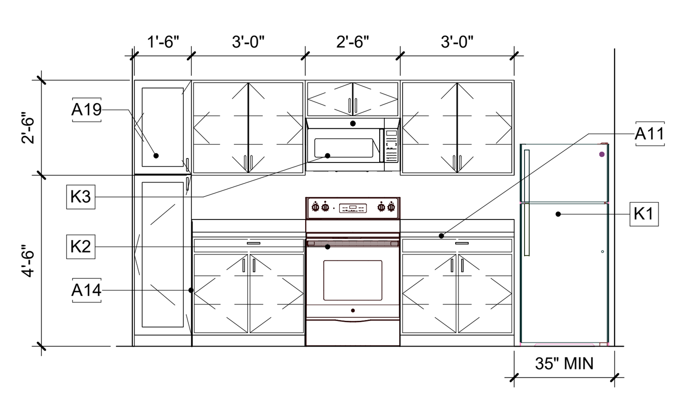
6 1 BEDROOM UNIT - MASTER BATH STANDARD TYPE
1/4" = 1'-0"



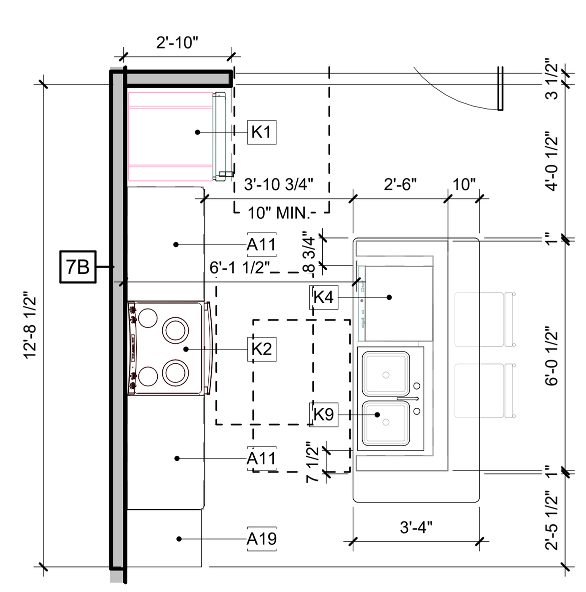
1 ENLARGED 1 BEDROOM UNIT - STANDARD TYPE
1/4" = 1'-0"



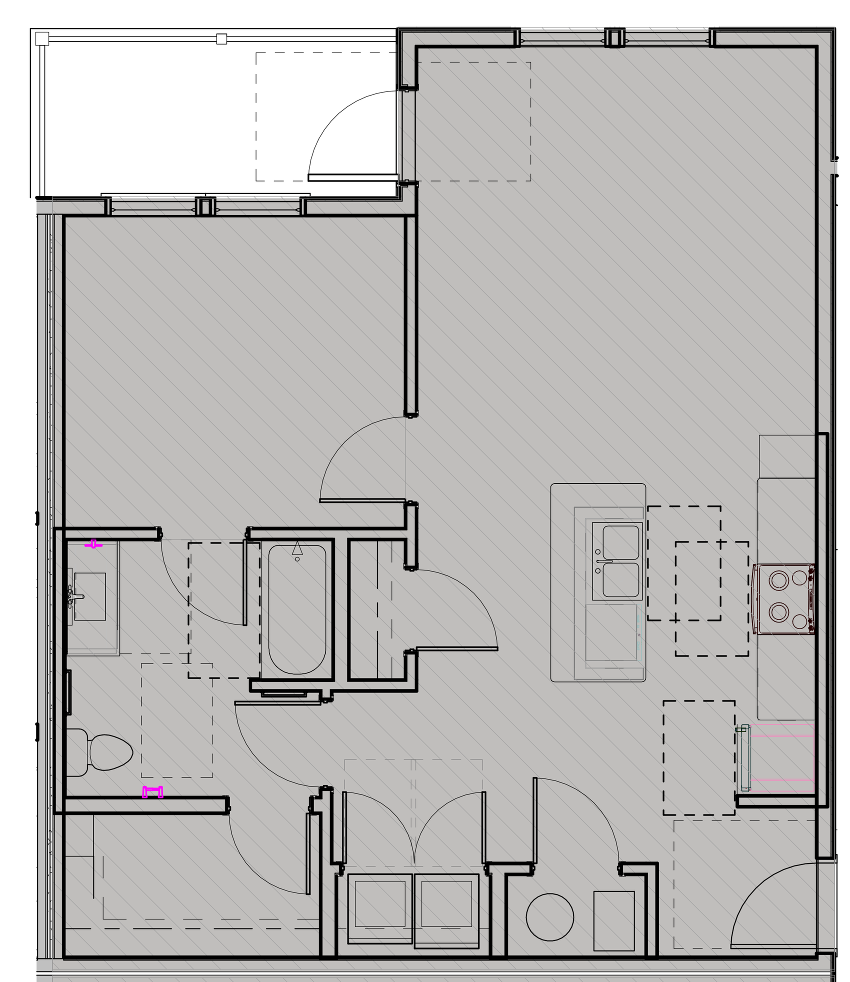
5 1 BEDROOM UNIT - KITCHEN ISLAND STANDARD TYPE
1/4" = 1'-0"



4 1 BEDROON UNIT - KITCHEN INTERIOR ELEVATION STANDARD TYPE
1/4" = 1'-0"



3 1 BEDROOM UNIT - KITCHEN STANDARD TYPE
1/4" = 1'-0"



2 1 BEDROOM UNIT - GROSS SQUARE FEET - 839 SF (NET SQUARE FEET - 749 SF)
3/16" = 1'-0"

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2. ALL INTERIOR BUILDING FINISHES SHALL CONFORM TO ALL APPLICABLE CODES IN FORCE WITHIN THE JURISDICTION OF THE PROJECT.
3. THE SUB-CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND JOB CONDITIONS PRIOR TO COMMENCING WORK AND SHALL REPORT TO THE GENERAL CONTRACTOR ANY DISCREPANCIES OR OMISSIONS WHICH WOULD INTERFERE WITH SATISFACTORY COMPLETION OF THE WORK.
4. ANY AND ALL PENETRATIONS SHALL BE SEALED (WITH SEALANT) TO PREVENT ANY TYPE OF ENERGY LOSS.
5. VERIFY ALL EXISTING CONDITIONS PRIOR TO START OF CONSTRUCTION. NOTIFY THE CONTRACT MANAGER IMMEDIATELY OF ANY CONFLICTS PRIOR TO PROCEEDING WITH WORK.
6. THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL APPLICABLE DIMENSIONS OF FIXTURES AND EQUIPMENT SUPPLIED AND/OR INSTALLED BY OTHERS.
7. THE POSTING OF AN OFFICIAL DESIGN RELEASE PLACARD AND THE MAINTENANCE OF ONE SET OF STATE-STAMPED PLANS AND SPECIFICATIONS ON THE JOB SITE ARE REQUIRED.
8. THE SUB-CONTRACTOR SHALL FILE ALL DRAWNGS FOR PERMIT APPLICATION OR OTHER MATERIALS REQUIRED TO SECURE ANY AND ALL BUILDING PERMITS AS MIGHT BE REQUIRED BY ANY LOCAL ORDINANCES TO PERFORM THIS WORK.
9. THE DRAWINGS SHALL NOT BE SCALED. FOR INFORMATION CONCERNING EXITING, PARTITIONS, ETC, VERIFICATIONS SHALL BE PERFORMED IN THE FIELD.
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11. UPON COMPLETION OF PROJECT, OBTAIN ALL FINAL INSPECTIONS AS REQUIRED BY LOCAL JURISDICTIONS AND FURNISH OWNER WITH EVIDENCE OF ALL SUCH INSPECTIONS AND CERTIFICATES OF OCCUPANCY.
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4. IN ALL BATHROOMS, PROVIDE BLOCKING AS REQUIRED TO SECURE TOWEL BARS.
5. IN ALL FIRST FLOOR UNIT BATHROOMS AND IN ALL UNITS ON ALL FLOORS OF BUILDING TYPE "A," PROVIDE WOOD BLOCKING FOR POSSIBLE FUTURE INSTALLATION OF GRAB BARS. ALL BATHROOMS OR SHOWERS TO HAVE BACKERS IN BUILDING "A" THAT HAS ELEVATOR.
6. MOISTURE -RESISTANT GYP. BOARD. (PAPERLESS BOARD) MUST BE USED ON ALL HORIZONTAL WALLS IN THE RESTROOM AND WITHIN 4 FEET IN ALL DIRECTIONS OF ANY WATER SOURCE.
7. IN ALL FIRST FLOORS UNITS: ALL ELECTRICAL AND HVAC CONTROLS AND DEVICES MEANT TO BE USABLE BY RESIDENT SHALL COMPLY WITH THE HEIGHT REQUIREMENTS OF FAIR HOUSING GUIDELINES.

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SEAL

PROJECT TITLE

WEST FORK

WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
OFHA APPLICATION	09/25/23

REVISIONS

MARK	DESCRIPTION	DATE

DO NOT SCALE PRINTS - USE FIGURED DIMENSIONS ONLY

PROJECT NO.

22-018

SHEET TITLE

ENLARGED PLANS 1 BEDROOM - STANDARD TYPE

SHEET NUMBER

A-400

T:\01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dr\7 CAD and Revit\BUIDLING 4BR6+2BR18+1BR12 - 9.13.23.rvt

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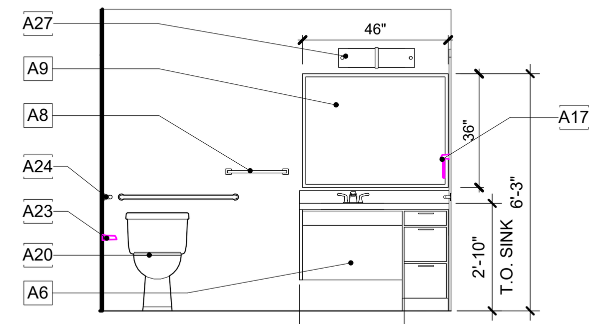
T:\01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dr\7 CAD and Revit\BUIDLING 4BR6+2BR18+1BR12 - 9.13.23.rvt

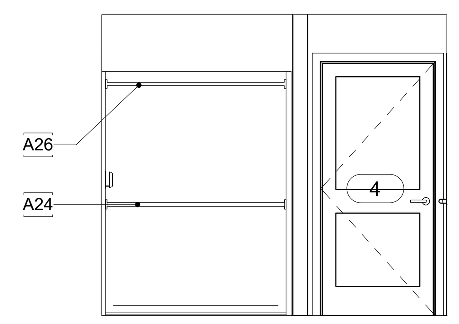
9/25/2023 10:14:32 AM

Unit Plan Keynotes

Key Value	Keynote Text
A6	30" CLEAR KNEE SPACE IN ADA UNITS
A8	24" TOWEL BAR (MODEL- MOEN, CONTEMPORARY, CHROME) - PROVIDE BLOCKING AS REQUIRED
A9	PLATE GLASS MIRROR - 46" X 36" STANDARD, BOTTOM OF REFLECTIVE SURFACE 40" MAX AFF
A11	PLAM COUNTERTOP 36" AFF TYPICAL, 34" AFF ACCESSIBLE WITH 4" INTEGRAL PLAM BACKSPLASH
A14	FILLER PANEL AS REQUIRED
A15	ROLL-IN SHOWER W/ BUILT-IN BLOCKING IN ALL UNITS AND GRAB BARS W/ SECURELY MOUNTED SHOWER SEAT IN All UNITS"
A17	HAND TOWEL RING (MODEL- MOEN, CONTEMPORARY, CHROME)
A19	18" PANTRY CABINET
A20	TOILET AT LEAST AT 17" AFF
A23	TOILET PAPER DISPENSER (MODEL- MOEN, CONTEMPORARY, CHROME)
A24	GRAB BARS WITH BLOCKING IN ALL ACCESSIBLE UNITS
A26	SHOWER ROD CURVED (MODEL- MOEN, CONTEMPORARY, CHROME)
A27	VANITY LIGHT PER ELECTRICAL
K1	GE BLACK REFRIGERATOR - ENERGY STAR RATED
K4	GE BLACK DISHWASHER -ENERGY STAR RATED (ADA COMPLIANT IN ACCESSIBLE UNITS)
K5	ENERGY STAR WATER HEATER
K6	ENERGY STAR FURNACE
K7	ENERGY STAR WASHER (FRONT LOADING ACC. UNITS)
K8	ENERGY STAR DRYER (FRONT LOADING ACC. UNITS)
K9	KITCHEN SINK W/ LEVER FAUCET AND GARBAGE DISPOSAL
K11	ENERGY STAR RANGE HOOD
K12	GE BLACK RANGE - ENERGY STAR RATED ADA FRONT CONTROLLED RANGE -34" HIGH STOVE TO ALIGN WITH COUNTERTOP HEIGHT DROP IN



8 1 BEDROOM UNIT - MASTER BATH ACCESSIBLE TYPE
1/4" = 1'-0"



7 1 BEDROOM UNIT - MASTER BATH INTERIOR ELEVATION ACCESSIBLE TYPE
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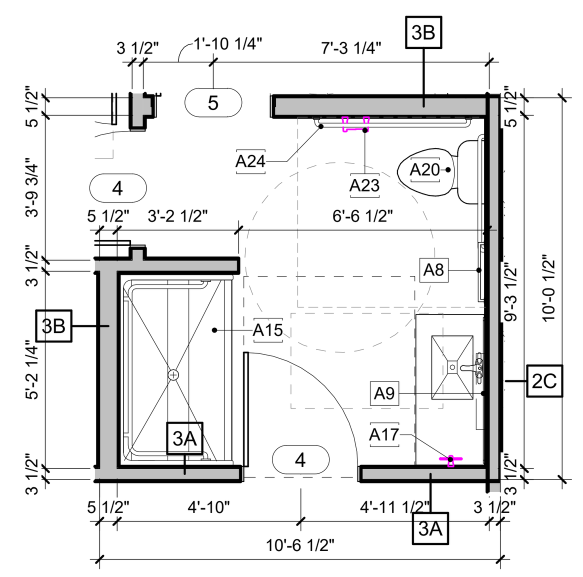

6 1 BEDROOM UNIT - MASTER BATH ACCESSIBLE TYPE
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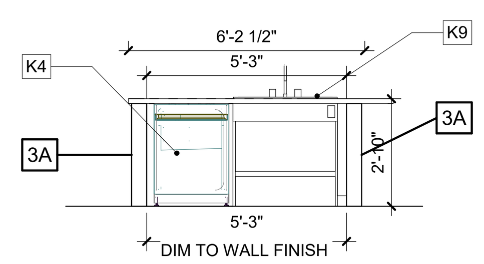

5 1 BEDROOM UNIT - KITCHEN ISLAND ACCESSIBLE TYPE
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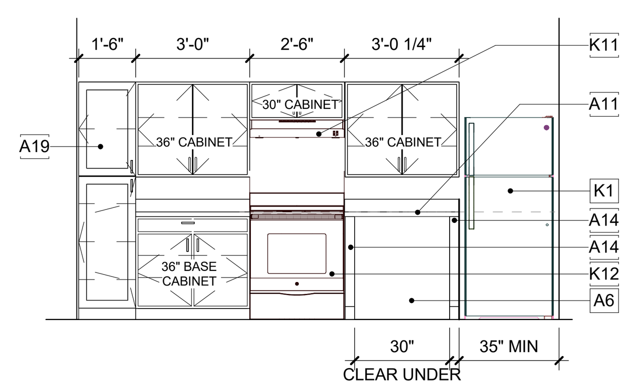

4 1 BEDROOM UNIT - KITCHEN INTERIOR ELEVATION ACCESSIBLE TYPE
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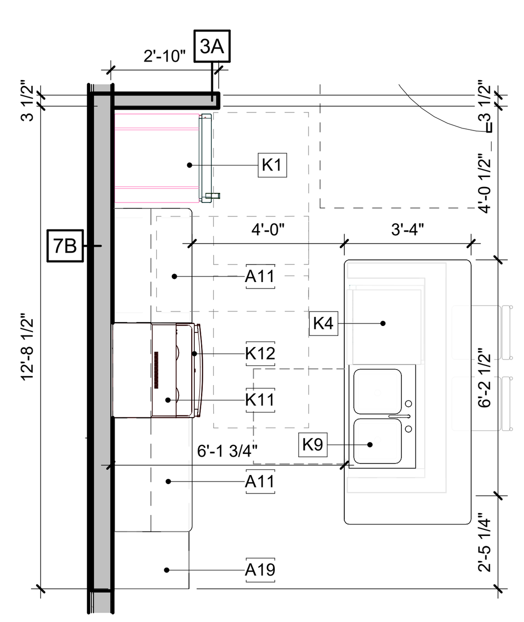

3 1 BEDROOM UNIT - KITCHEN ACCESSIBLE TYPE
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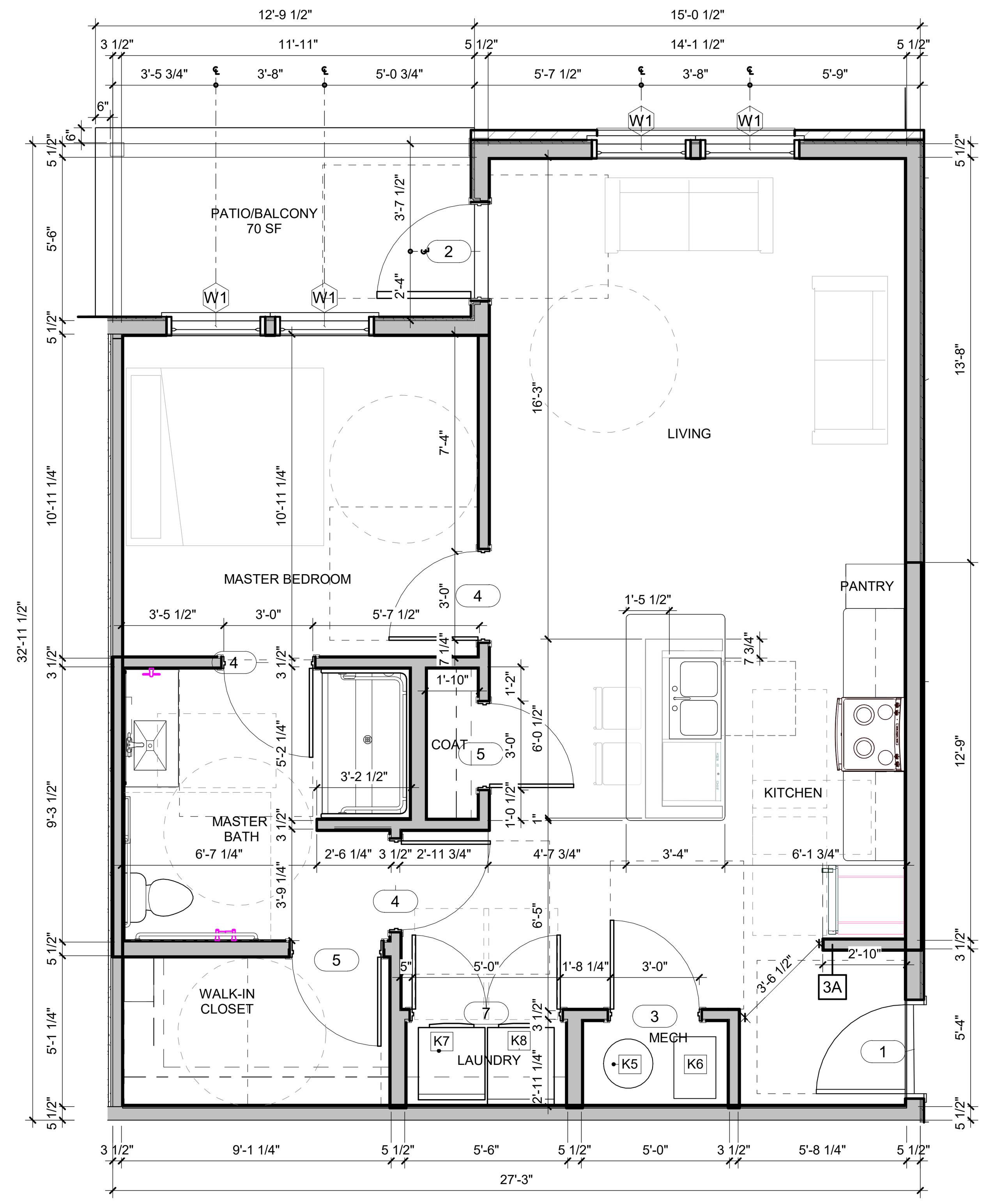
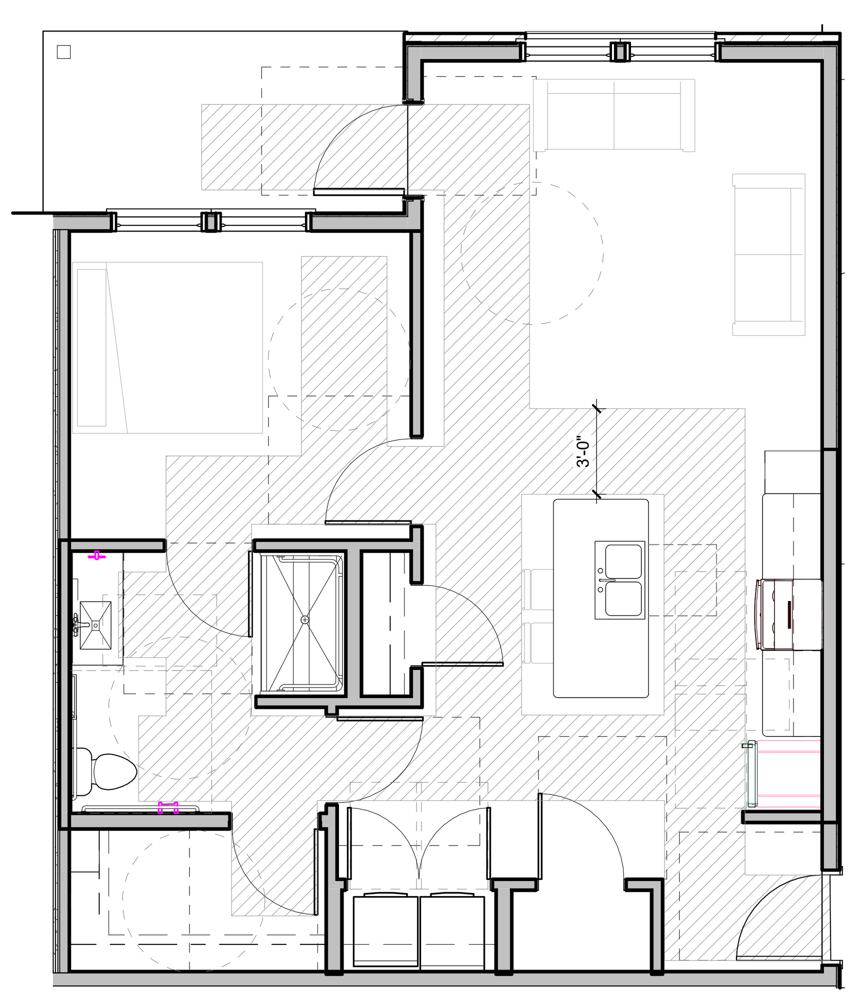


1 ENLARGED 1 BEDROOM UNIT - ACCESSIBLE TYPE
1/4" = 1'-0"

K6



2 1 BEDROOM UNIT - ACCESSIBLE ROUTE
3/16" = 1'-0"

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SEAL

PROJECT TITLE

WEST FORK

WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
OFHA APPLICATION	09/25/23

REVISIONS

MARK	DESCRIPTION	DATE

DO NOT SCALE PRINTS - USE FIGURED DIMENSIONS ONLY

PROJECT NO.

22-018

SHEET TITLE

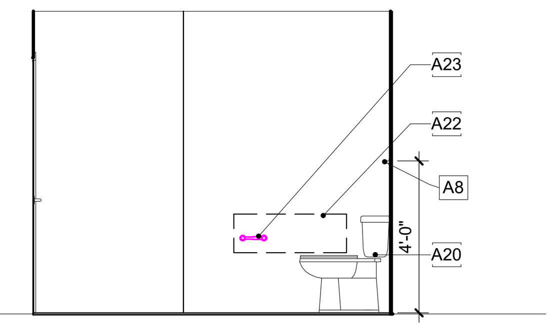
ENLARGED PLANS 1 BEDROOM - ACCESSIBLE TYPE

SHEET NUMBER

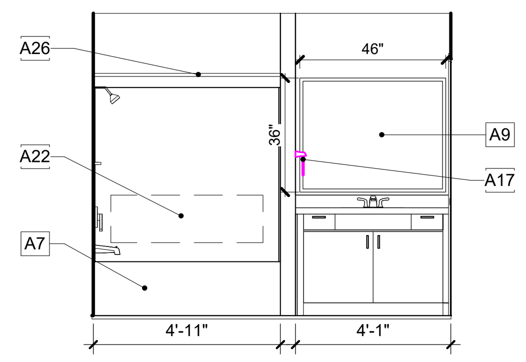
A-401

Unit Plan Keynotes

Key Value	Keynote Text
A1	LAUNDRY WIRE SHELF 12"D AT 5'-6" AFF TYP. ,48" AFF ACC. UNITS
A2	(5) 16" WIRE SHELVES
A7	30X60 TUB/SHOWER COMBO WITH ADJUSTABLE HEIGHT SHOWERHEAD OR HANDHELD SHOWERHEAD WITH FLEXIBLE HOSE AND EASILY OPERABLE CONTROLS, WITH BLOCKING ON FIRST AND BATHTUB SEAL TRIM IN ALL TYPICAL FLOORS UNITS
A8	24" TOWEL BAR (MODEL- MOEN, CONTEMPORARY, CHROME) - PROVIDE BLOCKING AS REQUIRED
A9	PLATE GLASS MIRROR - 46" X 36" STANDARD, BOTTOM OF REFLECTIVE SURFACE 40" MAX AFF
A11	PLAM COUNTERTOP 36" AFF TYPICAL, 34" AFF ACCESSIBLE WITH 4" INTEGRAL PLAM BACKSPLASH
A14	FILLER PANEL AS REQUIRED
A17	HAND TOWEL RING (MODEL- MOEN, CONTEMPORARY, CHROME)
A19	18" PANTRY CABINET
A20	TOILET AT LEAST AT 17" AFF
A22	BLOCKING FOR FUTURE GRAB BARS INSTALATION
A23	TOILET PAPER DISPENSER (MODEL- MOEN, CONTEMPORARY, CHROME)
A26	SHOWER ROD CURVED (MODEL- MOEN, CONTEMPORARY, CHROME)
K1	GE BLACK REFRIGERATOR - ENERGY STAR RATED
K2	GE BLACK RANGE - ENERGY STAR RATED
K3	GE BLACK OVER-THE-RANGE MICROWAVE - ENERGY STAR RATED
K4	GE BLACK DISHWASHER -ENERGY STAR RATED (ADA COMPLIANT IN ACCESSIBLE UNITS)
K5	ENERGY STAR WATER HEATER
K6	ENERGY STAR FURNACE
K7	ENERGY STAR WASHER (FRONT LOADING ACC. UNITS)
K8	ENERGY STAR DRYER (FRONT LOADING ACC. UNITS)
K9	KITCHEN SINK W/ LEVER FAUCET AND GARBAGE DISPOSAL



8 2 BEDROOM UNIT - MASTER BATH STANDARD TYPE
1/4" = 1'-0"



7 2 BEDROOM UNIT - MASTER BATH INTERIOR ELEVATION STANDARD TYPE
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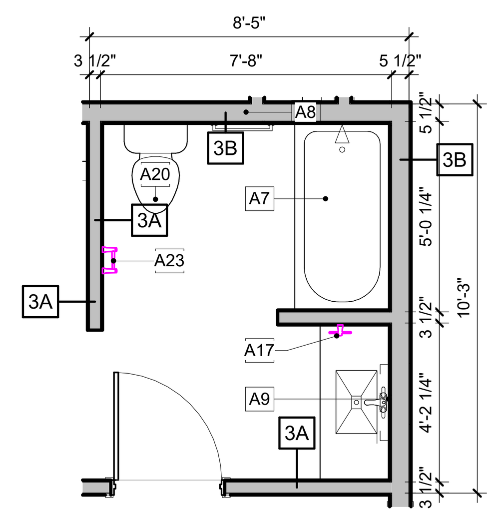

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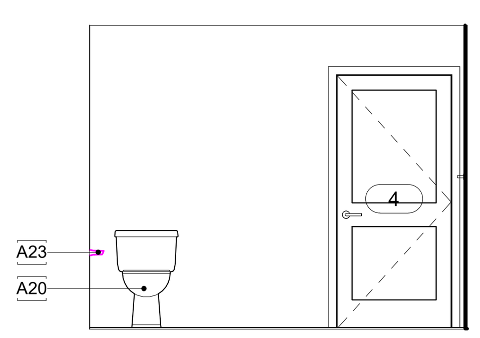

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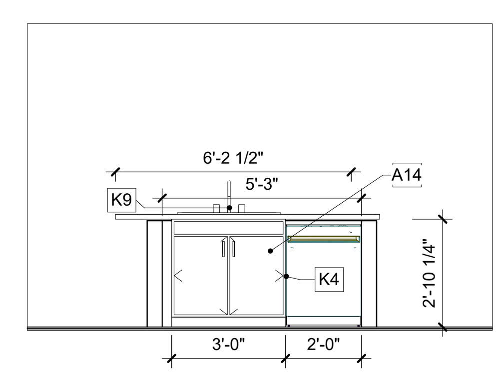
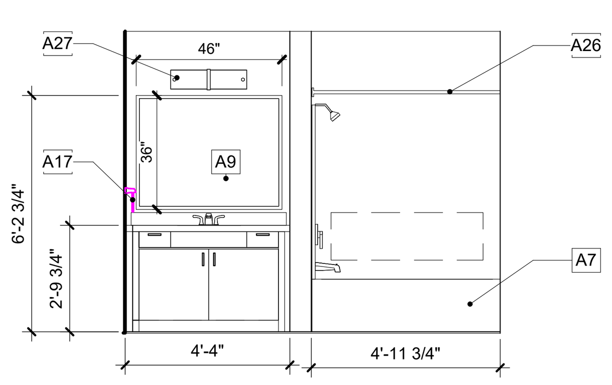


5 2 BEDROOM UNIT - KITCHEN ISLAND STANDARD TYPE
1/4" = 1'-0"



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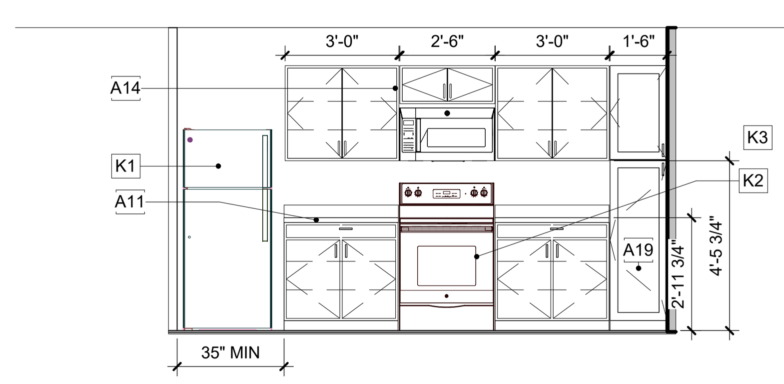

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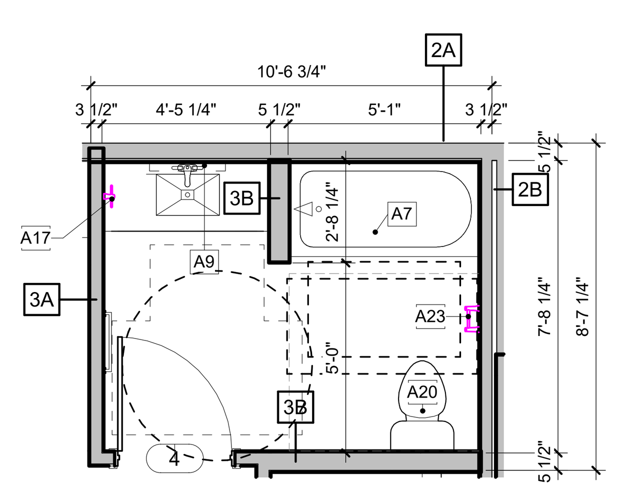

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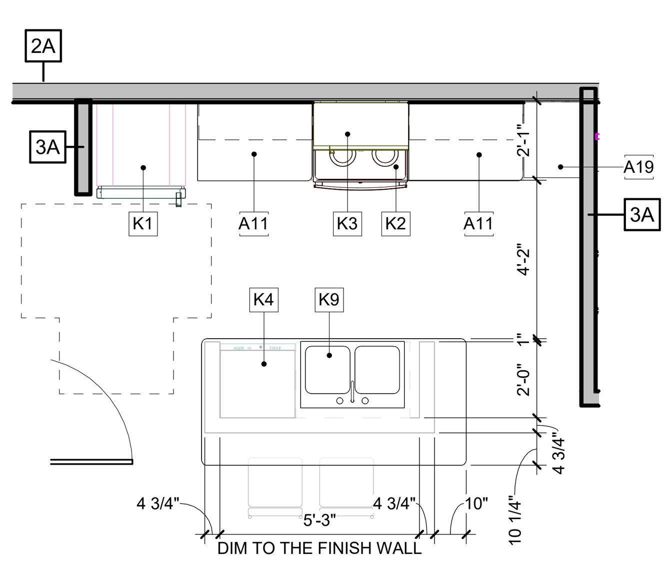

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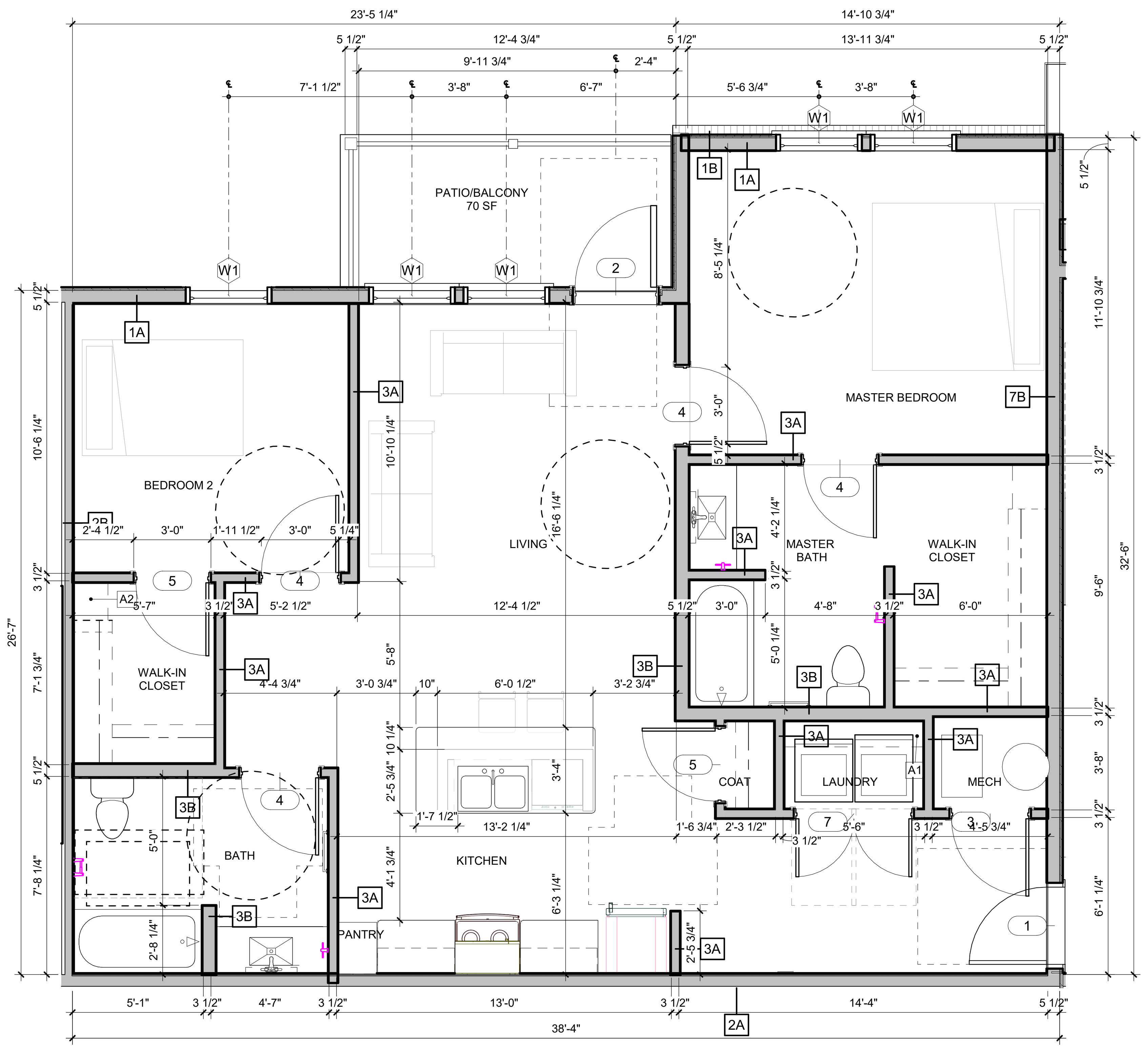

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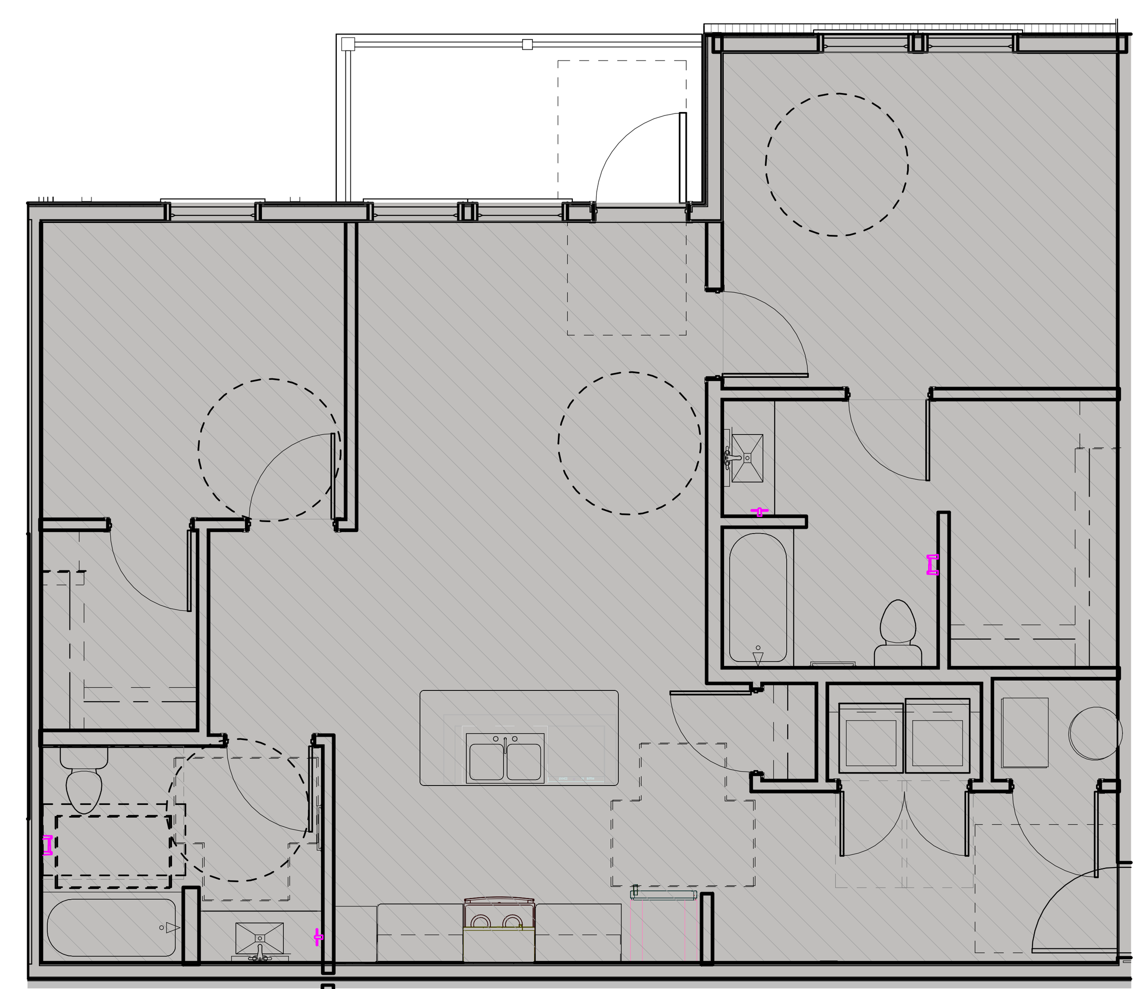

2 2 BEDROOM UNIT - GROSS SQUARE FEET - 1140 SF (NET SQUARE FEET - 1052 SF)
3/16" = 1'-0"

ARCHITECTURAL GENERAL NOTES

1. CONFORM ALL CONSTRUCTION TO ALL APPLICABLE CODES IN FORCE WITHIN THE JURISDICTION OF THE PROJECT. IF ANY SUCH RULES AND/OR REGULATIONS ARE IN CONFLICT WITH ANY PORTION OF THESE DOCUMENTS, THE CONSTRUCTION MANAGER SHALL BE INFORMED PRIOR TO PROCEEDING.
2. ALL INTERIOR BUILDING FINISHES SHALL CONFORM TO ALL APPLICABLE CODES IN FORCE WITHIN THE JURISDICTION OF THE PROJECT.
3. THE SUB-CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND JOB CONDITIONS PRIOR TO COMMENCING WORK AND SHALL REPORT TO THE GENERAL CONTRACTOR ANY DISCREPANCIES OR OMISSIONS WHICH WOULD INTERFERE WITH SATISFACTORY COMPLETION OF THE WORK.
4. ANY AND ALL PENETRATIONS SHALL BE SEALED (WITH SEALANT) TO PREVENT ANY TYPE OF ENERGY LOSS.
5. VERIFY ALL EXISTING CONDITIONS PRIOR TO START OF CONSTRUCTION. NOTIFY THE CONTRACT MANAGER IMMEDIATELY OF ANY CONFLICTS PRIOR TO PROCEEDING WITH WORK.
6. THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL APPLICABLE DIMENSIONS OF FIXTURES AND EQUIPMENT SUPPLIED AND/OR INSTALLED BY OTHERS.
7. THE POSTING OF AN OFFICIAL DESIGN RELEASE PLACARD AND THE MAINTENANCE OF ONE SET OF STATE-STAMPED PLANS AND SPECIFICATIONS ON THE JOB SITE ARE REQUIRED.
8. THE SUB-CONTRACTOR SHALL FILE ALL DRAWNGS FOR PERMIT APPLICATION OR OTHER MATERIALS REQUIRED TO SECURE ANY AND ALL BUILDING PERMITS AS MIGHT BE REQUIRED BY ANY LOCAL ORDINANCES TO PERFORM THIS WORK.
9. THE DRAWINGS SHALL NOT BE SCALED. FOR INFORMATION CONCERNING EXITING, PARTITIONS, ETC, VERIFICATIONS SHALL BE PERFORMED IN THE FIELD.
10. THE USE OF THE WORDS 'PROVIDE" OR "PROVIDED" IN CONNECTION WITH ANY ITEM SPECIFIED IS INTENDED TO MEAN, UNLESS OTHERWISE NOTED, THAT SUCH SHALL BE FURNISHED AND INSTALLED, AND CONNECTED WHERE SO REQUIRED.
11. UPON COMPLETION OF PROJECT, OBTAIN ALL FINAL INSPECTIONS AS REQUIRED BY LOCAL JURISDICTIONS AND FURNISH OWNER WITH EVIDENCE OF ALL SUCH INSPECTIONS AND CERTIFICATES OF OCCUPANCY.
12. UPON COMPLETION OF PROJECT, PROVIDE OWNER WITH ALL INSTRUCTION MANUALS, WARRANTIES, OR OTHER DOCUMENTS REQUIRED FOR OPERATION OR MAINTENANCE OF ANY ITEM IN THE CONTRACTORS' WORK.
13. THESE CONSTRUCTION NOTES AND/OR DRAWINGS ARE SUPPLIED TO ILLUSTRATE THE DESIGN AND GENERAL TYPE OF CONSTRUCTION DESIRED AND ARE INTENDED TO IMPLY THE FINEST QUALITY OF CONSTRUCTION MATERIAL AND WORKMANSHIP THROUGHOUT.
14. THE GENERAL CONTRACTOR SHALL MAINTAIN A CURRENT AND COMPLETE SET OF CONSTRUCTION DOCUMENTS AT THE SITE DURING ALL PHASES OF CONSTRUCTION FOR USE BY ALL TRADES.
15. ALL MEANS OF EGRESS AND FIRE PROTECTION SHALL BE MAINTAINED AT ALL TIMES. ANY SHUT DOWN OF LIFE SAFETY OR BUIUDING SYSTEMS SHALL BE APPROVED AND COORDINATED IN ADVANCE WITH THE OWNER AND LOCAL BUILDING DEPARTMENT.
16. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECTIMMEDIATELY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL DRAWINGS AND SPECIFICATIONS PRIOR TO BEGINNING WORK AND/OR PLACING ORDERS.
17. TYPICAL SECTIONS MAY NOT BE INDICATED ON PLAN SHEETS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO USE TYPICAL SECTIONS WHERE REQUIRED.
18. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY BRACING AND/OR SHORING UNTIL THE PERMANENT BRACING IS IN PLACE.
19. ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. SEE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION REGARDING THE SIZE AND QUANTITY OF OPENINGS, SLAB REQUIREMENTS AND LINTELS.
20. THESE DRAWINGS ARE NOT TO BE SEPERATED.
21. ALL DIMENSIONS ARE TO FACE OF FRAMING UN LESS NOTED OTHERWISE.
22. REFER TO SITE PLAN FOR LOCATION OF ACCESSIBLE AND AV UNITS.
23. ALL FIRST UNIT ARE ADAPTABLE.

INSULATION NOTES

1. ECO BATT IS TO BE USED, DO NOT INSET STAPLE, STAPLE DIRECTLY TO THE FACE OF THE STUD.
2. INSULATION TO BE INSTALLED TO GRADE I STANDARDS PER ENERGY STAR ASHRAE 90.1.2012 OR CURRENT ADOPTED OHIO STANDARDS WITH NO GAPS OR VOIDS OR COMPRESSION.
3. INSULATION IS TO BE SPLIT AND INSTALLED AROUND PIPES AND ELECTRICAL WIRING, AVOID COMPRESSING INSULATION.
4. ROOF INSULATION SHALL NOT BE COMPRESSED AFTER INSTALLATION, RULERS ARE TO BE USED AND ADDITIONAL INSULATION IS TO BE ADDED IF R VALUE DECREASES BEFORE THE END OF CONSTRUCTION.
5. CAULK PERIMETER BEHIND DRYWALL AT EXTERIOR BOUNDARY CONDITIONS AND ALL PARTY WALLS.
6. SUBCONTRACTORS TO USE THE SMALLEST PENETRATIONS POSSIBLE AND TO PROPERLY SEAL ALL OF THEIR PENETRATIONS THROUGH EXTERIOR AND PARTY WALLS, AND THROUGH ALL FLOORS AND CEILINGS USING MASTIC OR CAULK, TO INCLUDE BUT NOT LIMITED TO PLUMBING, ELECTRICAL, DUCTS, SHAFTS AND LIGHT FIXTURES. USE FIRE RATED CAULK AND/OR COLLARS WHERE NECESSARY TO MAINTAIN FIRE RATINGS.
7. CAULK PERIMETER AND PARTY WALL SILL AND TOP PLATES TO PREVENT AIR LEAKAGE SO AS TO BE IN COMPLIANCE WITH ICC IECC SECTION R 402.4.1.2 OR C 402.4 AS APPLICABLE.
8. PROPERLY SEAL AIR GAPS IN EXTERIOR AND FLOOR FRAMING PRIOR TO INSTALLATION OF INSULATION.
9. ACOUSTIC INSULATION USED IN INTERIOR DESMISING WALL AND FLOOR/CEILING ASSEMBLIES

UNIT NOTES

1. ALL WASHERS TO HAVE PAN AND DRAIN (CONFIRM LOCATION OF DRAIN)
2. BATHROOMS ARE VENTED TO THE OUTDOORS. THE MINIMUM VENTILATION RATE IS 50 CFM FOR INTERMITTENT OPERATION OR 20 CFM FOR CONTINUOUS OPERATION IN BATHROOMS.
3. EXHAUST FANS READY FOR CONTINUOUS OPERATION TO HAVE APPROPRIATELY LABELED CONTROLS.
4. BATHROOMS AND UNITS ARE TO HAVE LOW FLOW ENERGY STAR FIXTURES AND APPLIANCES. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING PLANS FOR SPECIFICATIONS AND DETAILS.
5. WATER HEATER TO HAVE DRAIN PAN AND BE PIPED TO DRAIN.
6. SEE FINISH PLANS.
7. WASHER MACHINE NEEDS TO BE LOCATED ON THE LEFT.
8. COUNTERTOPS TO HAVE BEVELED/ RADIUSED CORNERS; 2" RADIUS, OR WATERFALL EDGE WITH 1" CORNER RADIUS.
9. PROVIDE AT LEAST 15" MIN. CLEAR SPACE, 1' LANDING ZONE ON EACH SIDE OF STOVE, SINK, AND AT LEAST 1' SIDE OF REFRIGERATOR

FRAMING NOTES

1. WHERE A WALL OF A TUB OR SHOWER ALIGN WITH AN EXTERIOR WALL A SHEET OF OSB OR THERMOPLY NEEDS T0 GO BEHIND THE DRYWALL AFTER INSULATION IS INSTALLED AND BEFORE THE TUB IS SET. APPLIES ONLY TO LOCATIONS ON EXTERIOR WALLS.
2. RAISED HEEL TRUSSES T0 BE USED, SEE STRUCTURAL DRAWINGS.

PLAN NOTES

1. ALL EXTERIOR WALLS ARE 2X6 STUDS AT 16" O.C. UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS ARE TO FACE OF STUD, UNLESS OTHERWISE NOTED
3. RE: STRUCT FOR FLOORING AND ROOF TRUSS SPACING. DO NOT PLACE TRUSSES OVER PLUMBING WALLS OR SUCH THAT THEY OBSTRUCT THE PLUMBING ROUGH-IN IN ANY WAY. PROVIDE NECCESSARY CLEARANCE ABOVE FURNACE ROOM FROM FLUES AND PLENUM
4. IN ALL BATHROOMS, PROVIDE BLOCKING AS REQUIRED TO SECURE TOWEL BARS.
5. IN ALL FIRST FLOOR UNIT BATHROOMS AND IN ALL UNITS ON ALL FLOORS OF BUILDING TYPE "A," PROVIDE WOOD BLOCKING FOR POSSIBLE FUTURE INSTALLATION OF GRAB BARS. ALL BATHROOMS OR SHOWERS TO HAVE BACKERS IN BUILDING "A" THAT HAS ELEVATOR.
6. MOISTURE -RESISTANT GYP. BOARD. (PAPERLESS BOARD) MUST BE USED ON ALL HORIZONTAL WALLS IN THE RESTROOM AND WITHIN 4 FEET IN ALL DIRECTIONS OF ANY WATER SOURCE.
7. IN ALL FIRST FLOORS UNITS: ALL ELECTRICAL AND HVAC CONTROLS AND DEVICES MEANT TO BE USABLE BY RESIDENT SHALL COMPLY WITH THE HEIGHT REQUIREMENTS OF FAIR HOUSING GUIDELINES.

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SHEET TITLE

ENLARGED PLANS 2 BEDROOM - STANDARD TYPE

SHEET NUMBER

A-402

T:\01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dr\7 CAD and Revit\BUIDLING 4BR6+2BR18+1BR12 - 9.13.23.rvt
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Unit Plan Keynotes

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A1	LAUNDRY WIRE SHELF 12"D AT 5'-6" AFF TYP. ,48" AFF ACC. UNITS
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A6	30" CLEAR KNEE SPACE IN ADA UNITS
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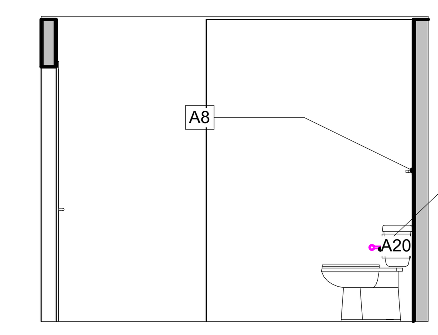
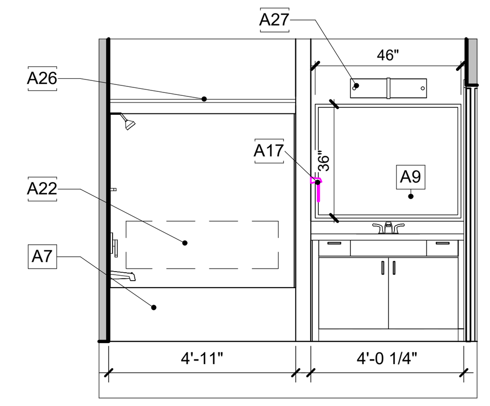
A27	VANITY LIGHT PER ELECTRICAL
K1	GE BLACK REFRIGERATOR - ENERGY STAR RATED
K4	GE BLACK DISHWASHER -ENERGY STAR RATED (ADA COMPLIANT IN ACCESSIBLE UNITS)
K5	ENERGY STAR WATER HEATER
K7	ENERGY STAR WASHER (FRONT LOADING ACC. UNITS)
K8	ENERGY STAR DRYER (FRONT LOADING ACC. UNITS)
K9	KITCHEN SINK W/ LEVER FAUCET AND GARBAGE DISPOSAL
K11	ENERGY STAR RANGE HOOD
K12	GE BLACK RANGE - ENERGY STAR ADA FRONT CONTROLLED RANGE -34" HIGH STOVE TO ALIGN WITH COUNTERTOP HEIGHT; DROP IN



7 2 BEDROOM UNIT - MASTER BATH ACCESSIBLE TYPE
1/4" = 1'-0"



6 2 BEDROOM UNIT - MASTER BATH INTERIOR ELEVATION ACCESSIBLE TYPE
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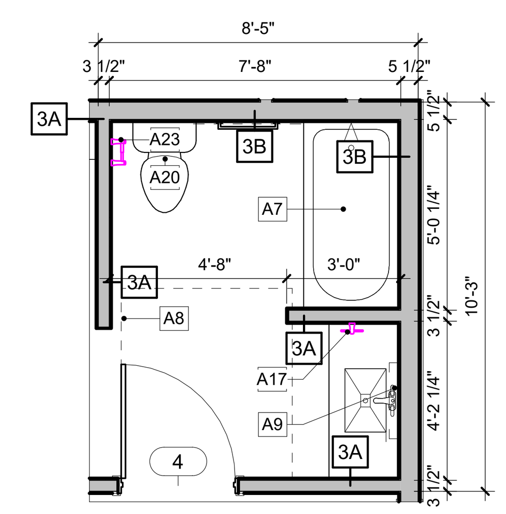

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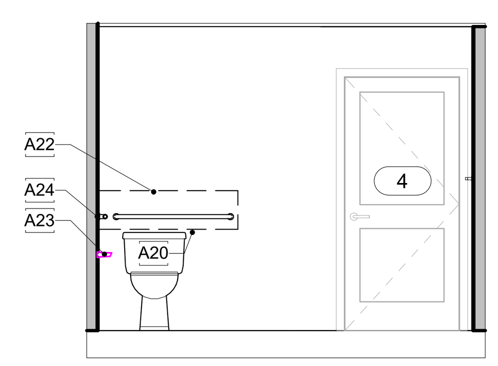

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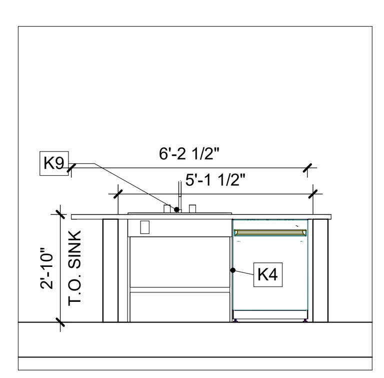

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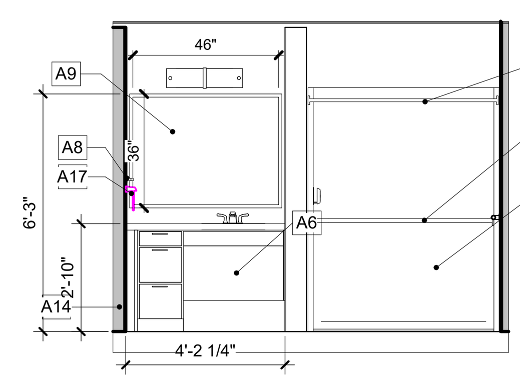

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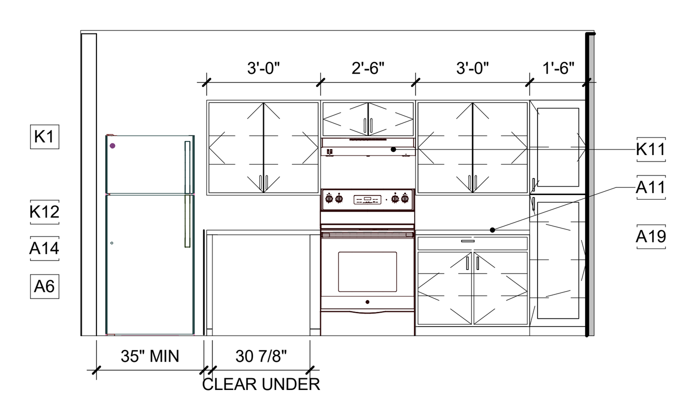

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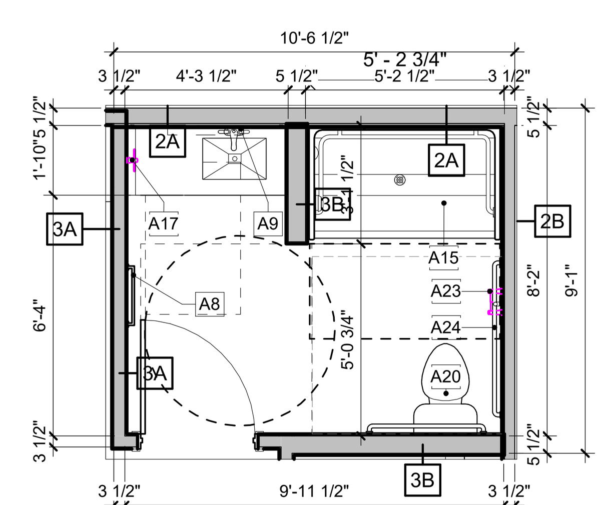

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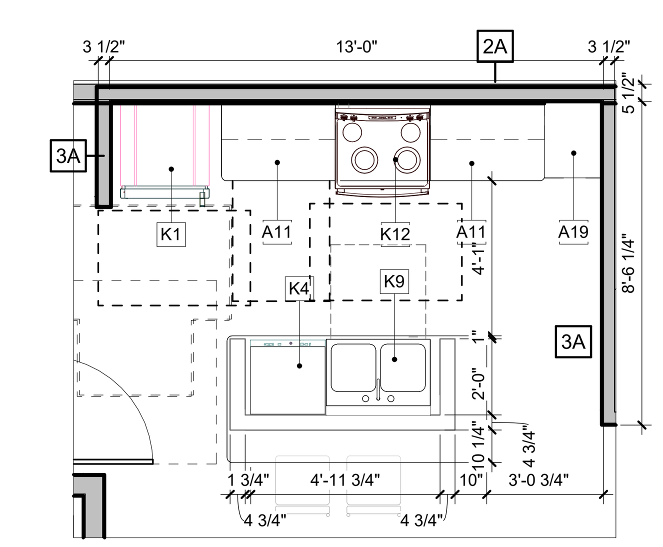

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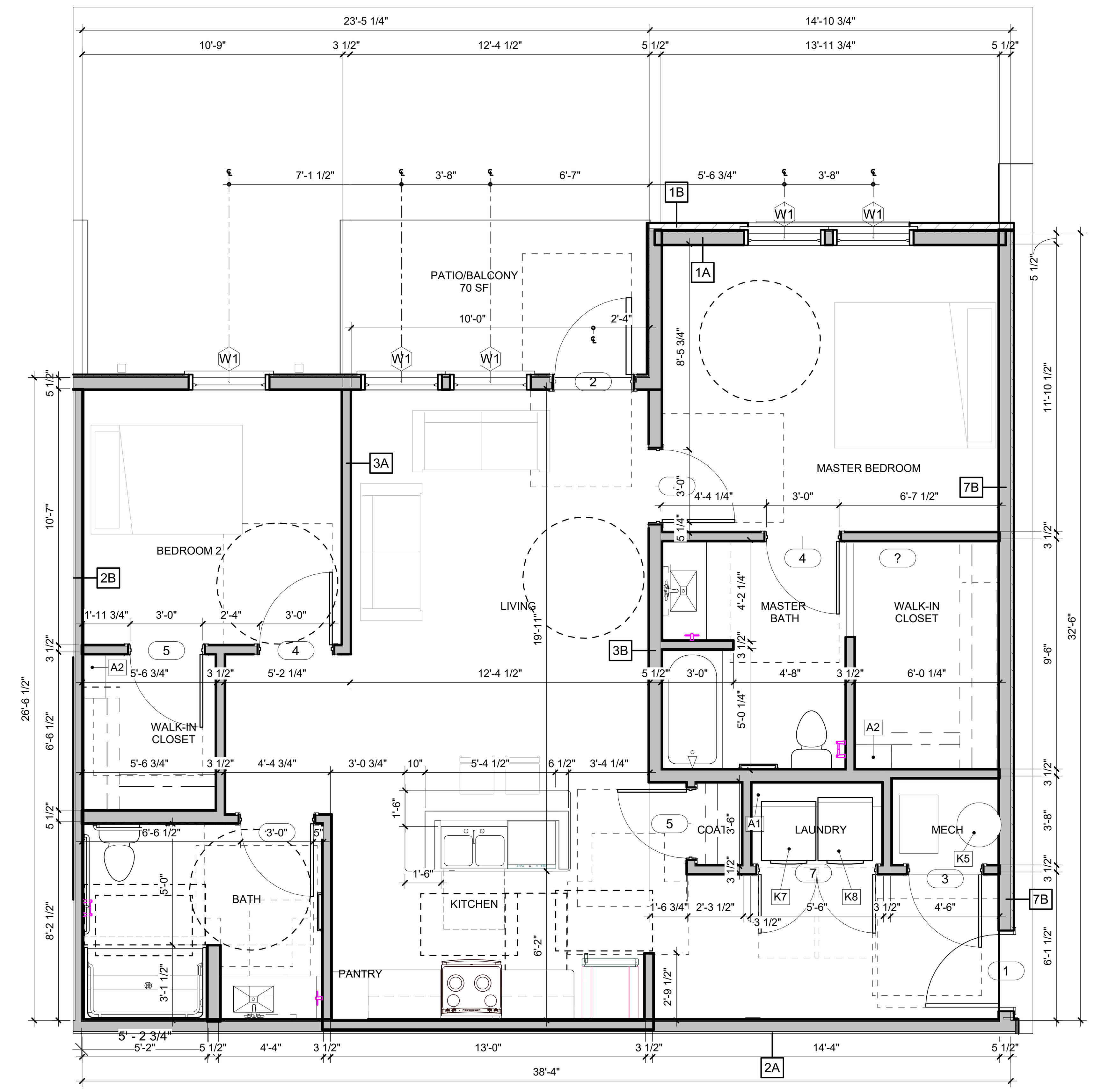

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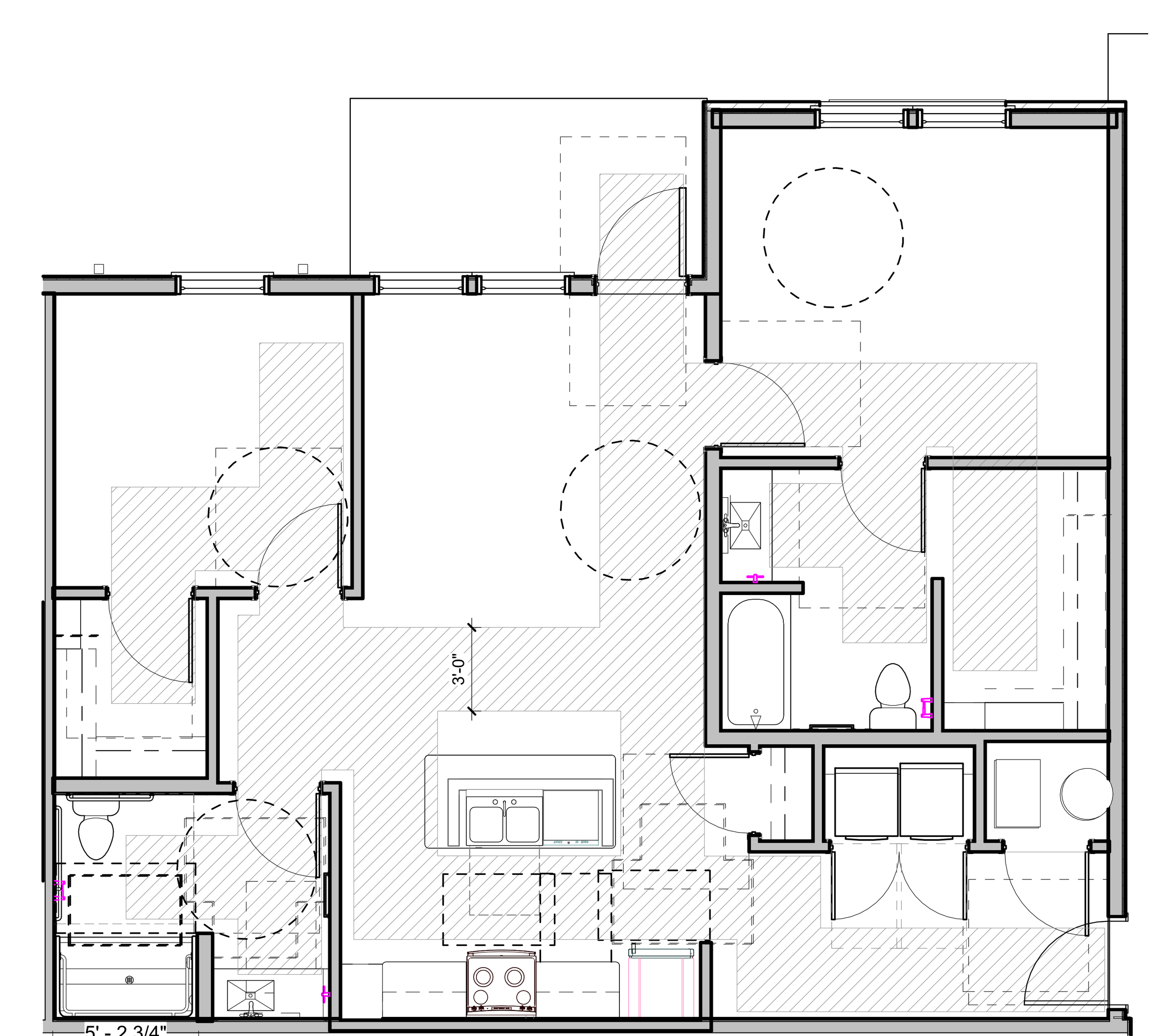

11 2 BEDROOM UNIT - ACCESSIBLE ROUTE
3/16" = 1'-0"

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9. THE DRAWINGS SHALL NOT BE SCALED. FOR INFORMATION CONCERNING EXITING, PARTITIONS, ETC, VERIFICATIONS SHALL BE PERFORMED IN THE FIELD.
10. THE USE OF THE WORDS 'PROVIDE" OR "PROVIDED" IN CONNECTION WITH ANY ITEM SPECIFIED IS INTENDED TO MEAN, UNLESS OTHERWISE NOTED, THAT SUCH SHALL BE FURNISHED AND INSTALLED, AND CONNECTED WHERE SO REQUIRED.
11. UPON COMPLETION OF PROJECT, OBTAIN ALL FINAL INSPECTIONS AS REQUIRED BY LOCAL JURISDICTIONS AND FURNISH OWNER WITH EVIDENCE OF ALL SUCH INSPECTIONS AND CERTIFICATES OF OCCUPANCY.
12. UPON COMPLETION OF PROJECT, PROVIDE OWNER WITH ALL INSTRUCTION MANUALS, WARRANTIES, OR OTHER DOCUMENTS REQUIRED FOR OPERATION OR MAINTENANCE OF ANY ITEM IN THE CONTRACTORS' WORK.
13. THESE CONSTRUCTION NOTES AND/OR DRAWINGS ARE SUPPLIED TO ILLUSTRATE THE DESIGN AND GENERAL TYPE OF CONSTRUCTION DESIRED AND ARE INTENDED TO IMPLY THE FINEST QUALITY OF CONSTRUCTION MATERIAL AND WORKMANSHIP THROUGHOUT.
14. THE GENERAL CONTRACTOR SHALL MAINTAIN A CURRENT AND COMPLETE SET OF CONSTRUCTION DOCUMENTS AT THE SITE DURING ALL PHASES OF CONSTRUCTION FOR USE BY ALL TRADES.
15. ALL MEANS OF EGRESS AND FIRE PROTECTION SHALL BE MAINTAINED AT ALL TIMES. ANY SHUT DOWN OF LIFE SAFETY OR BUIUDING SYSTEMS SHALL BE APPROVED AND COORDINATED IN ADVANCE WITH THE OWNER AND LOCAL BUILDING DEPARTMENT.
16. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECTIMMEDIATELY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL DRAWINGS AND SPECIFICATIONS PRIOR TO BEGINNING WORK AND/OR PLACING ORDERS.
17. TYPICAL SECTIONS MAY NOT BE INDICATED ON PLAN SHEETS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO USE TYPICAL SECTIONS WHERE REQUIRED.
18. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY BRACING AND/OR SHORING UNTIL THE PERMANENT BRACING IS IN PLACE.
19. ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. SEE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION REGARDING THE SIZE AND QUANTITY OF OPENINGS, SLAB REQUIREMENTS AND LINTELS.
20. THESE DRAWINGS ARE NOT TO BE SEPERATED.
21. ALL DIMENSIONS ARE TO FACE OF FRAMING UN LESS NOTED OTHERWISE.
22. REFER TO SITE PLAN FOR LOCATION OF ACCESSIBLE AND AV UNITS.
23. ALL FIRST UNIT ARE ADAPTABLE.

INSULATION NOTES

1. ECO BATT IS TO BE USED, DO NOT INSET STAPLE, STAPLE DIRECTLY TO THE FACE OF THE STUD.
2. INSULATION TO BE INSTALLED TO GRADE I STANDARDS PER ENERGY STAR ASHRAE 90.1.2012 OR CURRENT ADOPTED OHIO STANDARDS WITH NO GAPS OR VOIDS OR COMPRESSION.
3. INSULATION IS TO BE SPLIT AND INSTALLED AROUND PIPES AND ELECTRICAL WIRING, AVOID COMPRESSING INSULATION.
4. ROOF INSULATION SHALL NOT BE COMPRESSED AFTER INSTALLATION, RULERS ARE TO BE USED AND ADDITIONAL INSULATION IS TO BE ADDED IF R VALUE DECREASES BEFORE THE END OF CONSTRUCTION.
5. CAULK PERIMETER BEHIND DRYWALL AT EXTERIOR BOUNDARY CONDITIONS AND ALL PARTY WALLS.
6. SUBCONTRACTORS TO USE THE SMALLEST PENETRATIONS POSSIBLE AND TO PROPERLY SEAL ALL OF THEIR PENETRATIONS THROUGH EXTERIOR AND PARTY WALLS, AND THROUGH ALL FLOORS AND CEILINGS USING MASTIC OR CAULK, TO INCLUDE BUT NOT LIMITED TO PLUMBING, ELECTRICAL, DUCTS, SHAFTS AND LIGHT FIXTURES. USE FIRE RATED CAULK AND/OR COLLARS WHERE NECESSARY TO MAINTAIN FIRE RATINGS.
7. CAULK PERIMETER AND PARTY WALL SILL AND TOP PLATES TO PREVENT AIR LEAKAGE SO AS TO BE IN COMPLIANCE WITH ICC IECC SECTION R 402.4.1.2 OR C 402.4 AS APPLICABLE.
8. PROPERLY SEAL AIR GAPS IN EXTERIOR AND FLOOR FRAMING PRIOR TO INSTALLATION OF INSULATION.
9. ACOUSTIC INSULATION USED IN INTERIOR DESMISING WALL AND FLOOR/CEILING ASSEMBLIES

UNIT NOTES

1. ALL WASHERS TO HAVE PAN AND DRAIN (CONFIRM LOCATION OF DRAIN)
2. BATHROOMS ARE VENTED TO THE OUTDOORS. THE MINIMUM VENTILATION RATE IS 50 CFM FOR INTERMITTENT OPERATION OR 20 CFM FOR CONTINUOUS OPERATION IN BATHROOMS.
3. EXHAUST FANS READY FOR CONTINUOUS OPERATION TO HAVE APPROPRIATELY LABELED CONTROLS.
4. BATHROOMS AND UNITS ARE TO HAVE LOW FLOW ENERGY STAR FIXTURES AND APPLIANCES. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING PLANS FOR SPECIFICATIONS AND DETAILS.
5. WATER HEATER TO HAVE DRAIN PAN AND BE PIPED TO DRAIN.
6. SEE FINISH PLANS.
7. WASHER MACHINE NEEDS TO BE LOCATED ON THE LEFT.
8. COUNTERTOPS TO HAVE BEVELED/ RADIUSED CORNERS; 2" RADIUS, OR WATERFALL EDGE WITH 1" CORNER RADIUS.
9. PROVIDE AT LEAST 15" MIN. CLEAR SPACE, 1' LANDING ZONE ON EACH SIDE OF STOVE, SINK, AND AT LEAST 1' SIDE OF REFRIGERATOR

FRAMING NOTES

1. WHERE A WALL OF A TUB OR SHOWER ALIGN WITH AN EXTERIOR WALL A SHEET OF OSB OR THERMOPLY NEEDS T0 GO BEHIND THE DRYWALL AFTER INSULATION IS INSTALLED AND BEFORE THE TUB IS SET. APPLIES ONLY TO LOCATIONS ON EXTERIOR WALLS.
2. RAISED HEEL TRUSSES T0 BE USED, SEE STRUCTURAL DRAWINGS.

PLAN NOTES

1. ALL EXTERIOR WALLS ARE 2X6 STUDS AT 16" O.C. UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS ARE TO FACE OF STUD, UNLESS OTHERWISE NOTED
3. RE: STRUCT FOR FLOORING AND ROOF TRUSS SPACING. DO NOT PLACE TRUSSES OVER PLUMBING WALLS OR SUCH THAT THEY OBSTRUCT THE PLUMBING ROUGH-IN IN ANY WAY. PROVIDE NECCESSARY CLEARANCE ABOVE FURNACE ROOM FROM FLUES AND PLENUM
4. IN ALL BATHROOMS, PROVIDE BLOCKING AS REQUIRED TO SECURE TOWEL BARS.
5. IN ALL FIRST FLOOR UNIT BATHROOMS AND IN ALL UNITS ON ALL FLOORS OF BUILDING TYPE "A," PROVIDE WOOD BLOCKING FOR POSSIBLE FUTURE INSTALLATION OF GRAB BARS. ALL BATHROOMS OR SHOWERS TO HAVE BACKERS IN BUILDING "A" THAT HAS ELEVATOR.
6. MOISTURE -RESISTANT GYP. BOARD. (PAPERLESS BOARD) MUST BE USED ON ALL HORIZONTAL WALLS IN THE RESTROOM AND WITHIN 4 FEET IN ALL DIRECTIONS OF ANY WATER SOURCE.
7. IN ALL FIRST FLOORS UNITS: ALL ELECTRICAL AND HVAC CONTROLS AND DEVICES MEANT TO BE USABLE BY RESIDENT SHALL COMPLY WITH THE HEIGHT REQUIREMENTS OF FAIR HOUSING GUIDELINES.

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SEAL

PROJECT TITLE

WEST FORK

WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
OFHA APPLICATION	09/25/23

REVISIONS

MARK	DESCRIPTION	DATE

DO NOT SCALE PRINTS - USE FIGURED DIMENSIONS ONLY

PROJECT NO.
22-018

SHEET TITLE
ENLARGED PLANS 2 BEDROOM - ACCESSIBLE TYPE

SHEET NUMBER
A-403

T:\01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dr\7 CAD and Revit\BUIDLING 4BR6+2BR18+1BR12 - 9.13.23.rvt
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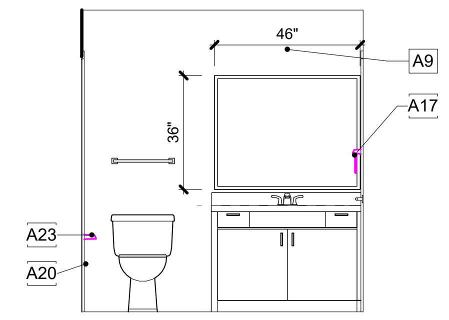
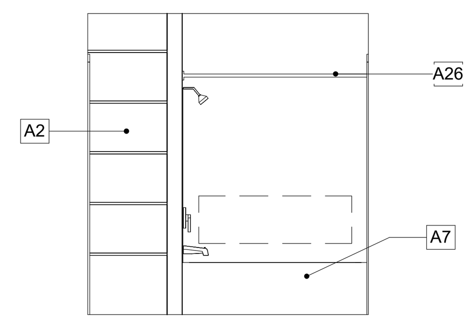
Unit Plan Keynotes

Key Value	Keynote Text
A1	LAUNDRY WIRE SHELF 12"D AT 5'-6" AFF TYP. ,48" AFF ACC. UNITS
A2	(5) 16" WIRE SHELVES
A7	30X60 TUB/SHOWER COMBO WITH ADJUSTABLE HEIGHT SHOWERHEAD OR HANDHELD SHOWERHEAD WITH FLEXIBLE HOSE AND EASILY OPERABLE CONTROLS, WITH BLOCKING ON FIRST AND BATHTUB SEAL TRIM IN ALL TYPICAL FLOORS UNITS
A8	24" TOWEL BAR (MODEL- MOEN, CONTEMPORARY, CHROME) - PROVIDE BLOCKING AS REQUIRED
A9	PLATE GLASS MIRROR - 46" X 36" STANDARD, BOTTOM OF REFLECTIVE SURFACE 40" MAX AFF
A11	PLAM COUNTERTOP 36" AFF TYPICAL, 34" AFF ACCESSIBLE WITH 4" INTEGRAL PLAM BACKSPLASH
A14	FILLER PANEL AS REQUIRED
A17	HAND TOWEL RING (MODEL- MOEN, CONTEMPORARY, CHROME)
A19	18" PANTRY CABINET
A20	TOILET AT LEAST AT 17" AFF
A22	BLOCKING FOR FUTURE GRAB BARS INSTALATION
A23	TOILET PAPER DISPENSER (MODEL- MOEN, CONTEMPORARY, CHROME)
A26	SHOWER ROD CURVED (MODEL- MOEN, CONTEMPORARY, CHROME)
K1	GE BLACK REFRIGERATOR - ENERGY STAR RATED
K2	GE BLACK RANGE - ENERGY STAR RATED
K3	GE BLACK OVER-THE-RANGE MICROWAVE - ENERGY STAR RATED
K4	GE BLACK DISHWASHER -ENERGY STAR RATED (ADA COMPLIANT IN ACCESSIBLE UNITS)
K5	ENERGY STAR WATER HEATER
K6	ENERGY STAR FURNACE
K7	ENERGY STAR WASHER (FRONT LOADING ACC. UNITS)
K8	ENERGY STAR DRYER (FRONT LOADING ACC. UNITS)
K9	KITCHEN SINK W/ LEVER FAUCET AND GARBAGE DISPOSAL



8 3 BEDROOM UNIT - MASTER BATH STANDARD TYPE
1/4" = 1'-0"



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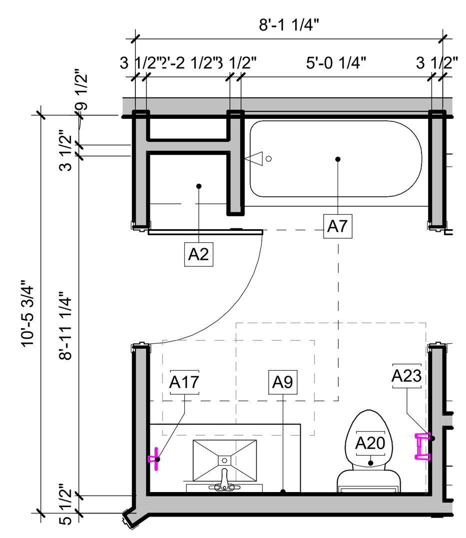

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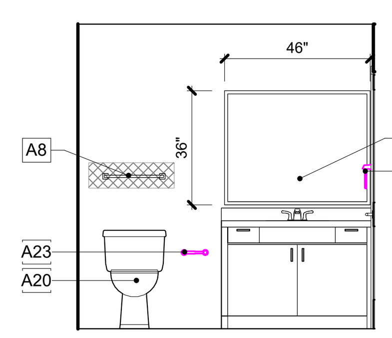
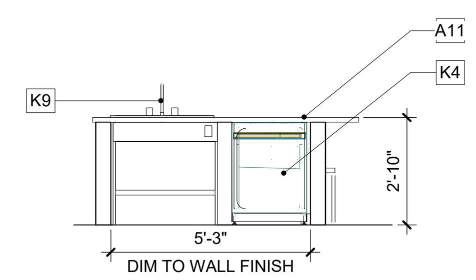
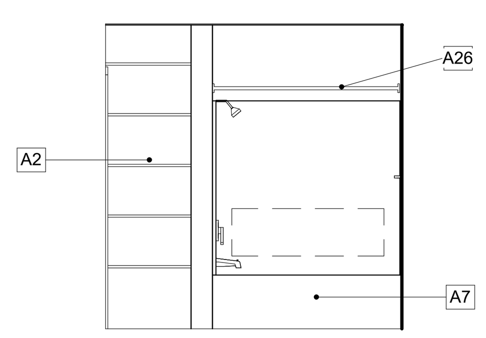


11 3 BEDROOM UNIT - BATH STANDARD TYPE
1/4" = 1'-0"



5 3 BEDROOM UNIT - KITCHEN ISLAND STANDARD TYPE
1/4" = 1'-0"



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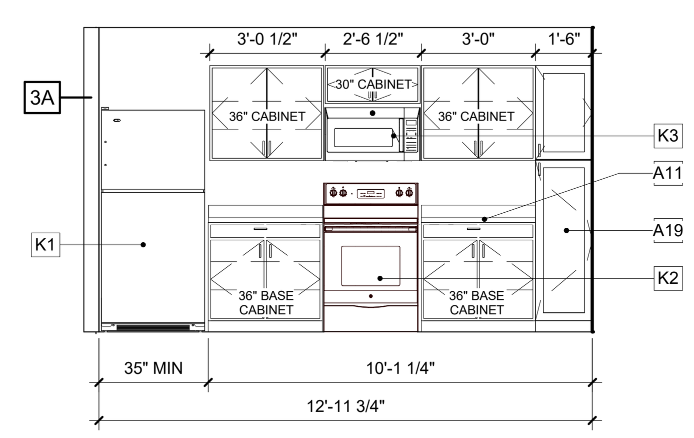
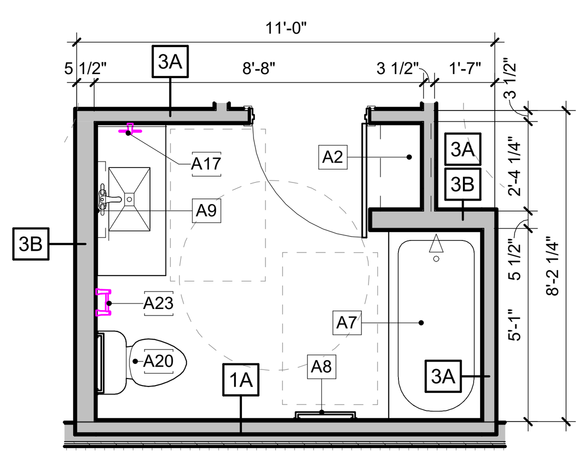
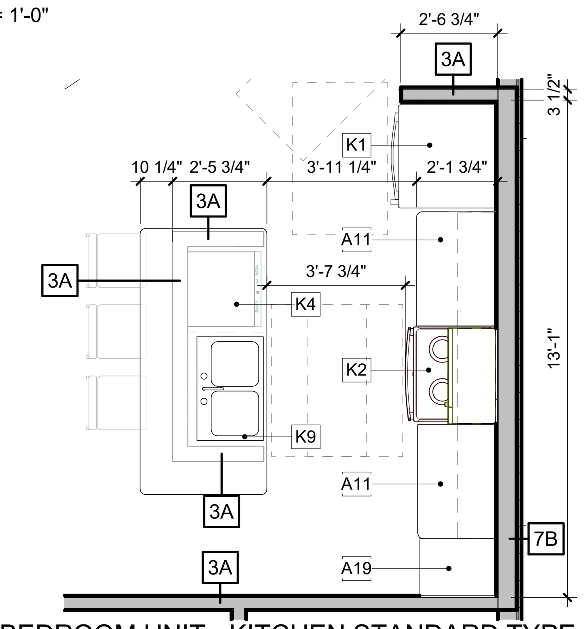


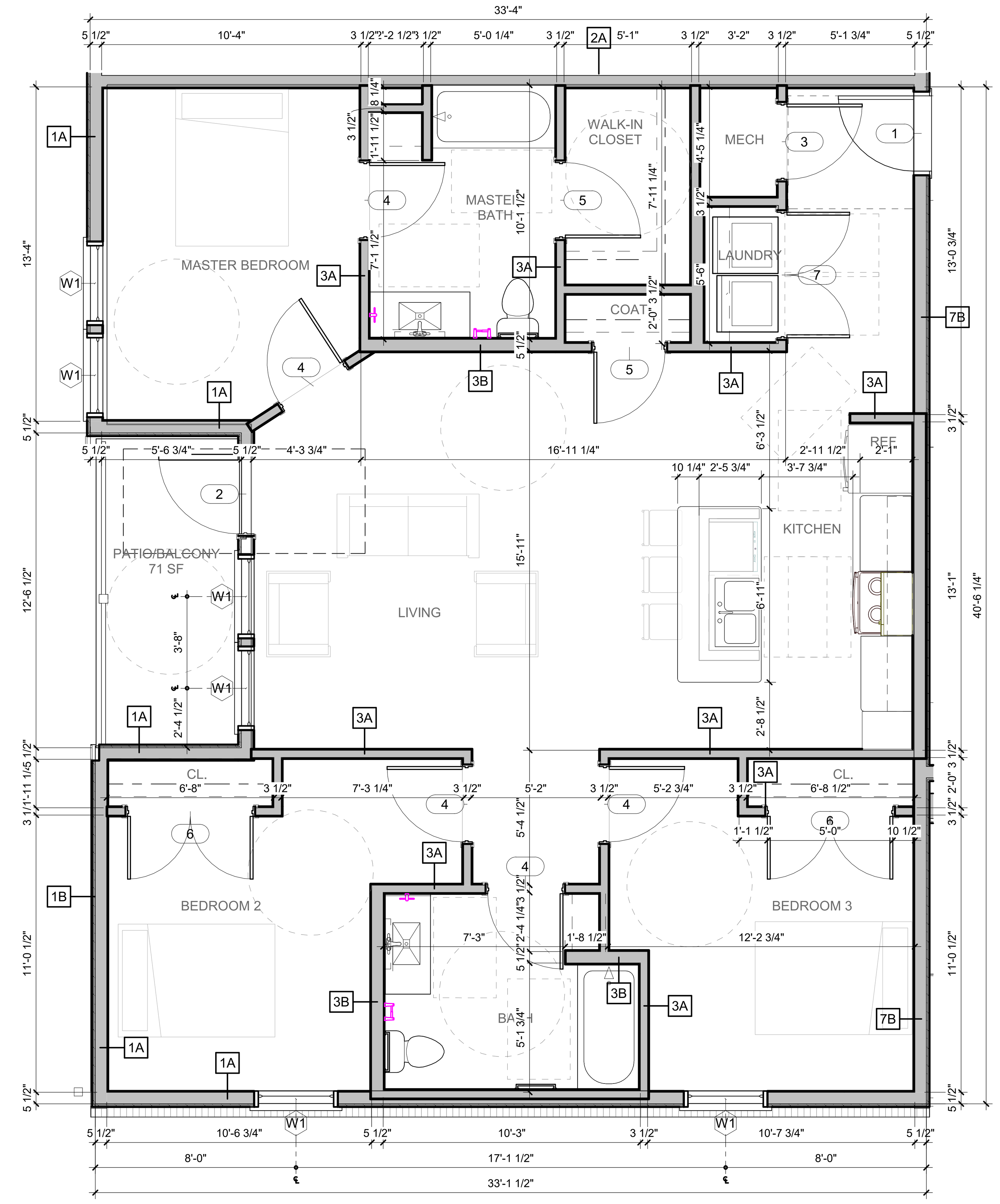
4 3 BEDROOM UNIT - KITCHEN INTERIOR ELEVATION STANDARD TYPE
1/4" = 1'-0"



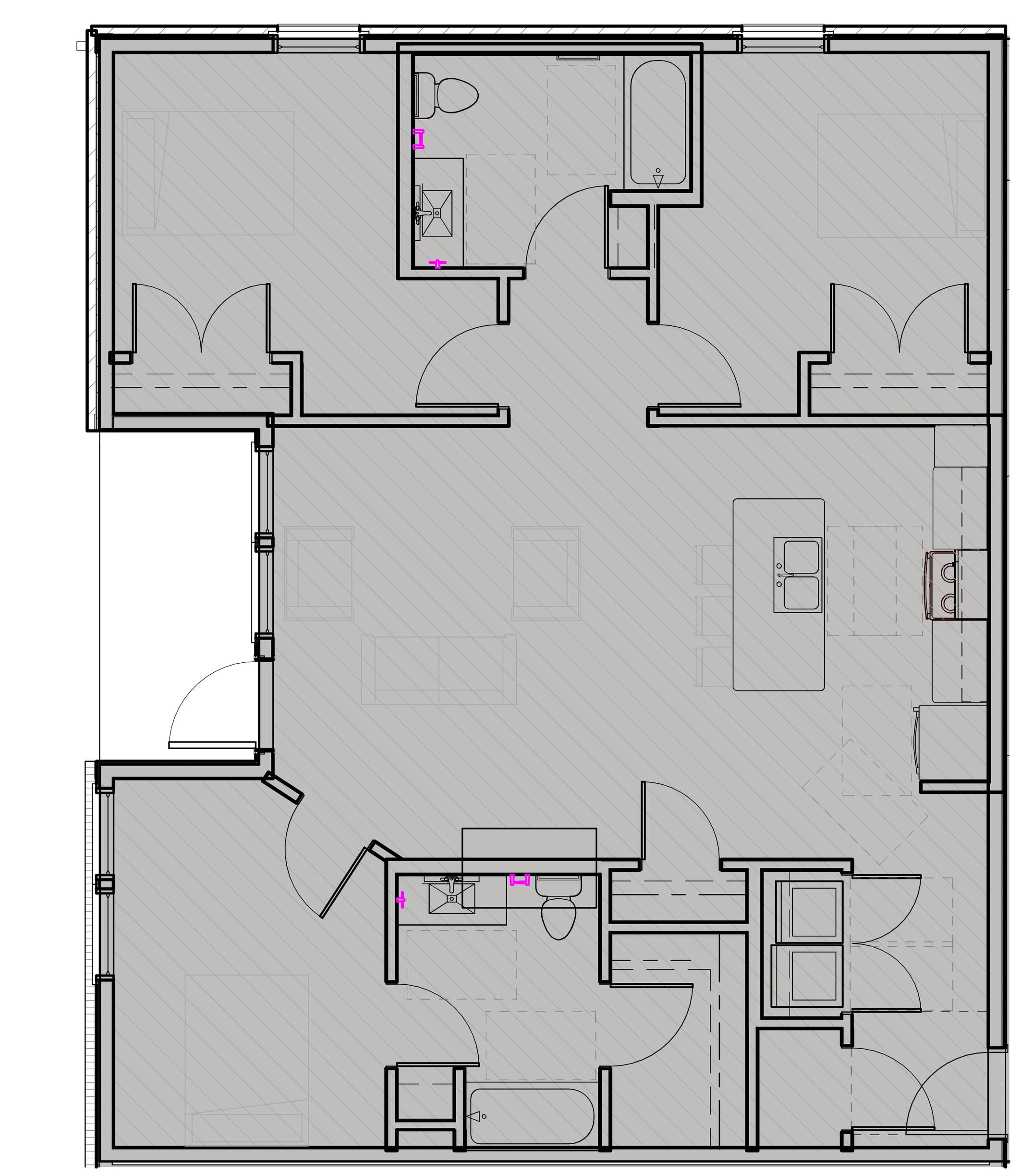
9 3 BEDROOM UNIT - BATH STANDARD TYPE
1/4" = 1'-0"



3 3 BEDROOM UNIT - KITCHEN STANDARD TYPE
1/4" = 1'-0"



1 ENLARGED 3 BEDROOM UNIT - STANDARD TYPE
1/4" = 1'-0"



2 3 BEDROOM UNIT - GROSS SQUARE FEET - 1275 SF (NET SQUARE FEET - 1187 SF)
3/16" = 1'-0"

ARCHITECTURAL GENERAL NOTES

1. CONFORM ALL CONSTRUCTION TO ALL APPLICABLE CODES IN FORCE WITHIN THE JURISDICTION OF THE PROJECT. IF ANY SUCH RULES AND/OR REGULATIONS ARE IN CONFLICT WITH ANY PORTION OF THESE DOCUMENTS, THE CONSTRUCTION MANAGER SHALL BE INFORMED PRIOR TO PROCEEDING.
2. ALL INTERIOR BUILDING FINISHES SHALL CONFORM TO ALL APPLICABLE CODES IN FORCE WITHIN THE JURISDICTION OF THE PROJECT.
3. THE SUB-CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND JOB CONDITIONS PRIOR TO COMMENCING WORK AND SHALL REPORT TO THE GENERAL CONTRACTOR ANY DISCREPANCIES OR OMISSIONS WHICH WOULD INTERFERE WITH SATISFACTORY COMPLETION OF THE WORK.
4. ANY AND ALL PENETRATIONS SHALL BE SEALED (WITH SEALANT) TO PREVENT ANY TYPE OF ENERGY LOSS.
5. VERIFY ALL EXISTING CONDITIONS PRIOR TO START OF CONSTRUCTION. NOTIFY THE CONTRACT MANAGER IMMEDIATELY OF ANY CONFLICTS PRIOR TO PROCEEDING WITH WORK.
6. THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL APPLICABLE DIMENSIONS OF FIXTURES AND EQUIPMENT SUPPLIED AND/OR INSTALLED BY OTHERS.
7. THE POSTING OF AN OFFICIAL DESIGN RELEASE PLACARD AND THE MAINTENANCE OF ONE SET OF STATE-STAMPED PLANS AND SPECIFICATIONS ON THE JOB SITE ARE REQUIRED.
8. THE SUB-CONTRACTOR SHALL FILE ALL DRAWNGS FOR PERMIT APPLICATION OR OTHER MATERIALS REQUIRED TO SECURE ANY AND ALL BUILDING PERMITS AS MIGHT BE REQUIRED BY ANY LOCAL ORDINANCES TO PERFORM THIS WORK.
9. THE DRAWINGS SHALL NOT BE SCALED. FOR INFORMATION CONCERNING EXITING, PARTITIONS, ETC, VERIFICATIONS SHALL BE PERFORMED IN THE FIELD.
10. THE USE OF THE WORDS 'PROVIDE" OR "PROVIDED" IN CONNECTION WITH ANY ITEM SPECIFIED IS INTENDED TO MEAN, UNLESS OTHERWISE NOTED, THAT SUCH SHALL BE FURNISHED AND INSTALLED, AND CONNECTED WHERE SO REQUIRED.
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SEAL

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WEST FORK

WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

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DO NOT SCALE PRINTS - USE FIGURED DIMENSIONS ONLY

PROJECT NO.
22-018

SHEET TITLE
ENLARGED PLANS 3 BEDROOM - STANDARD TYPE

SHEET NUMBER
A-404

T:\01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dr\7 CAD and Revit\BUIDLING 4BR6+2BR18+1BR12 - 9.13.23.rvt

9/25/2023 10:15:22 AM

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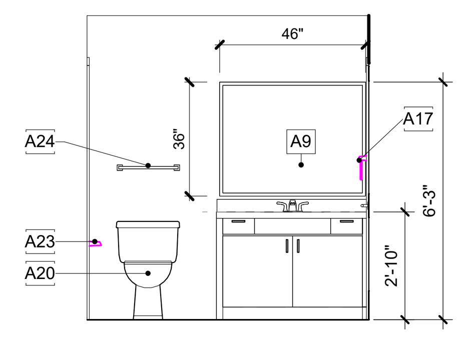
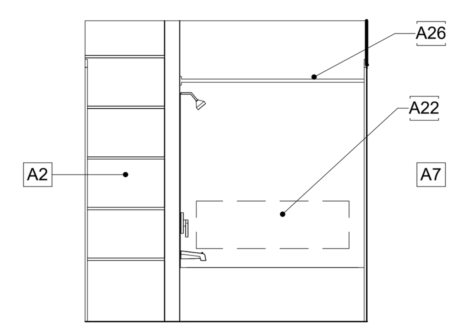
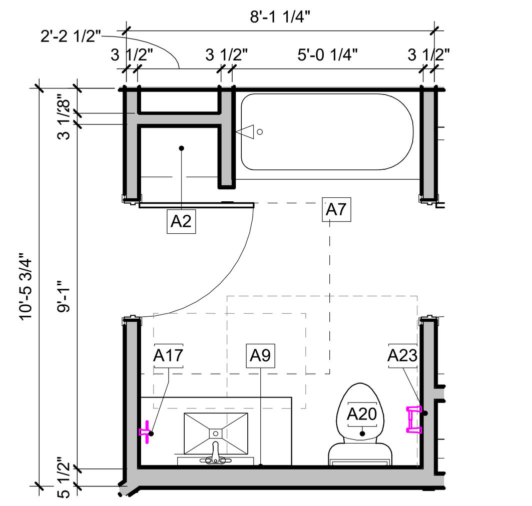
A8	24" TOWEL BAR (MODEL- MOEN, CONTEMPORARY, CHROME) - PROVIDE BLOCKING AS REQUIRED
A9	PLATE GLASS MIRROR - 46" X 36" STANDARD, BOTTOM OF REFLECTIVE SURFACE 40" MAX AFF
A11	PLAM COUNTERTOP 36" AFF TYPICAL, 34" AFF ACCESSIBLE WITH 4" INTEGRAL PLAM BACKSPLASH
A14	FILLER PANEL AS REQUIRED
A15	ROLL-IN SHOWER W/ BUILT-IN BLOCKING IN ALL UNITS AND GRAB BARS W/ SECURELY MOUNTED SHOWER SEAT IN All UNITS"
A17	HAND TOWEL RING (MODEL- MOEN, CONTEMPORARY, CHROME)
A19	18" PANTRY CABINET
A20	TOILET AT LEAST AT 17" AFF
A23	TOILET PAPER DISPENSER (MODEL- MOEN, CONTEMPORARY, CHROME)
A24	GRAB BARS WITH BLOCKING IN ALL ACCESSIBLE UNITS
A26	SHOWER ROD CURVED (MODEL- MOEN, CONTEMPORARY, CHROME)
A27	VANITY LIGHT PER ELECTRICAL
K1	GE BLACK REFRIGERATOR - ENERGY STAR RATED
K4	GE BLACK DISHWASHER -ENERGY STAR RATED (ADA COMPLIANT IN ACCESSIBLE UNITS)
K5	ENERGY STAR WATER HEATER
K6	ENERGY STAR FURNACE
K7	ENERGY STAR WASHER (FRONT LOADING ACC. UNITS)
K8	ENERGY STAR DRYER (FRONT LOADING ACC. UNITS)
K9	KITCHEN SINK W/ LEVER FAUCET AND GARBAGE DISPOSAL
K11	ENERGY STAR RANGE HOOD
K12	GE BLACK RANGE - ENERGY STAR ADA FRONT CONTROLLED RANGE -34" HIGH STOVE TO ALIGN WITH COUNTERTOP HEIGHT; DROP IN



8 3 BEDROOM UNIT MASTER BATH ACCESIBLE TYPE
1/4" = 1'-0"



7 3 BEDROOM UNIT - MASTER BATH INTERIOR ELEVATION ACCESSIBLE TYPE
1/4" = 1'-0"



6 3 BEDROOM UNIT - MASTER BATH ACCESSIBLE TYPE
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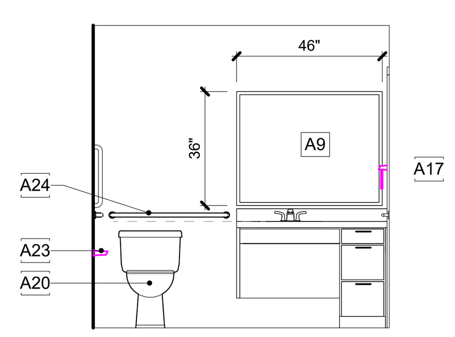

11 3 BEDROOM UNIT - BATH ACCESSIBLE TYPE
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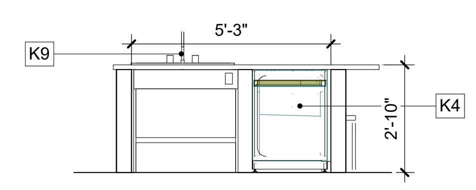
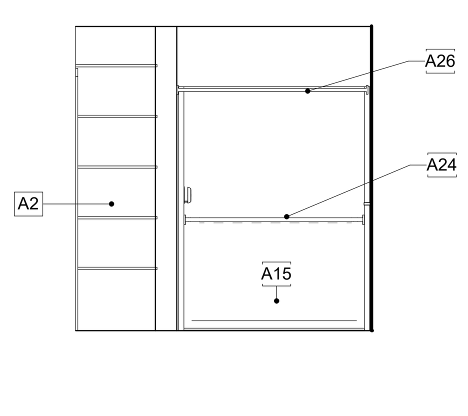
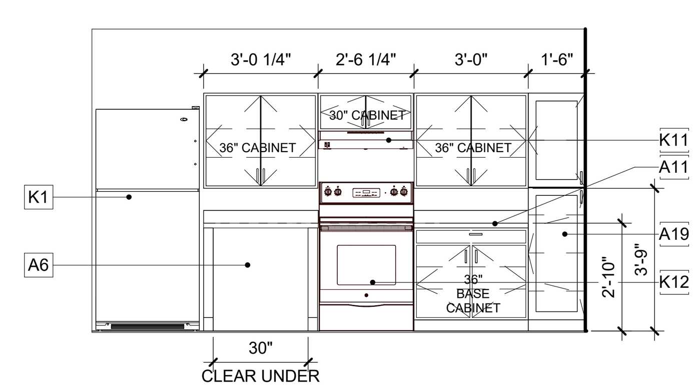


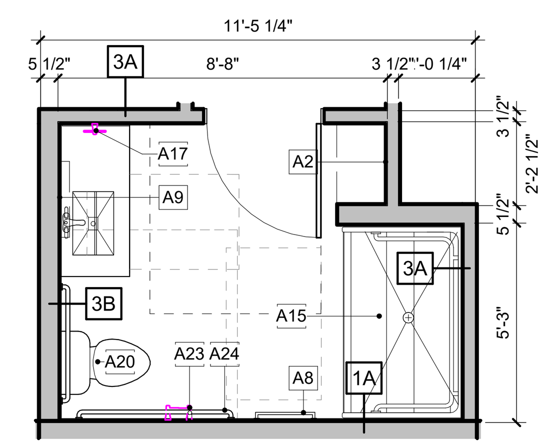
5 3 BEDROOM UNIT - KITCHEN ISLAND STANDARD ACCESSIBLE TYPE
1/4" = 1'-0"



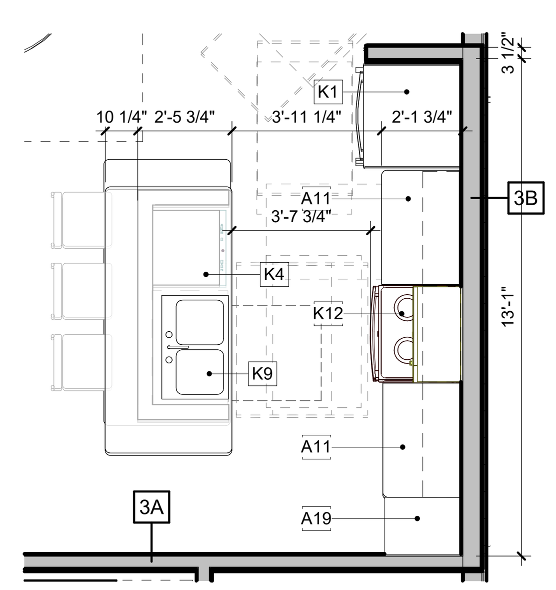
10 3 BEDROOM UNIT - BATH INTERIOR ELEVATION ACCESSIBLE TYPE
1/4" = 1'-0"



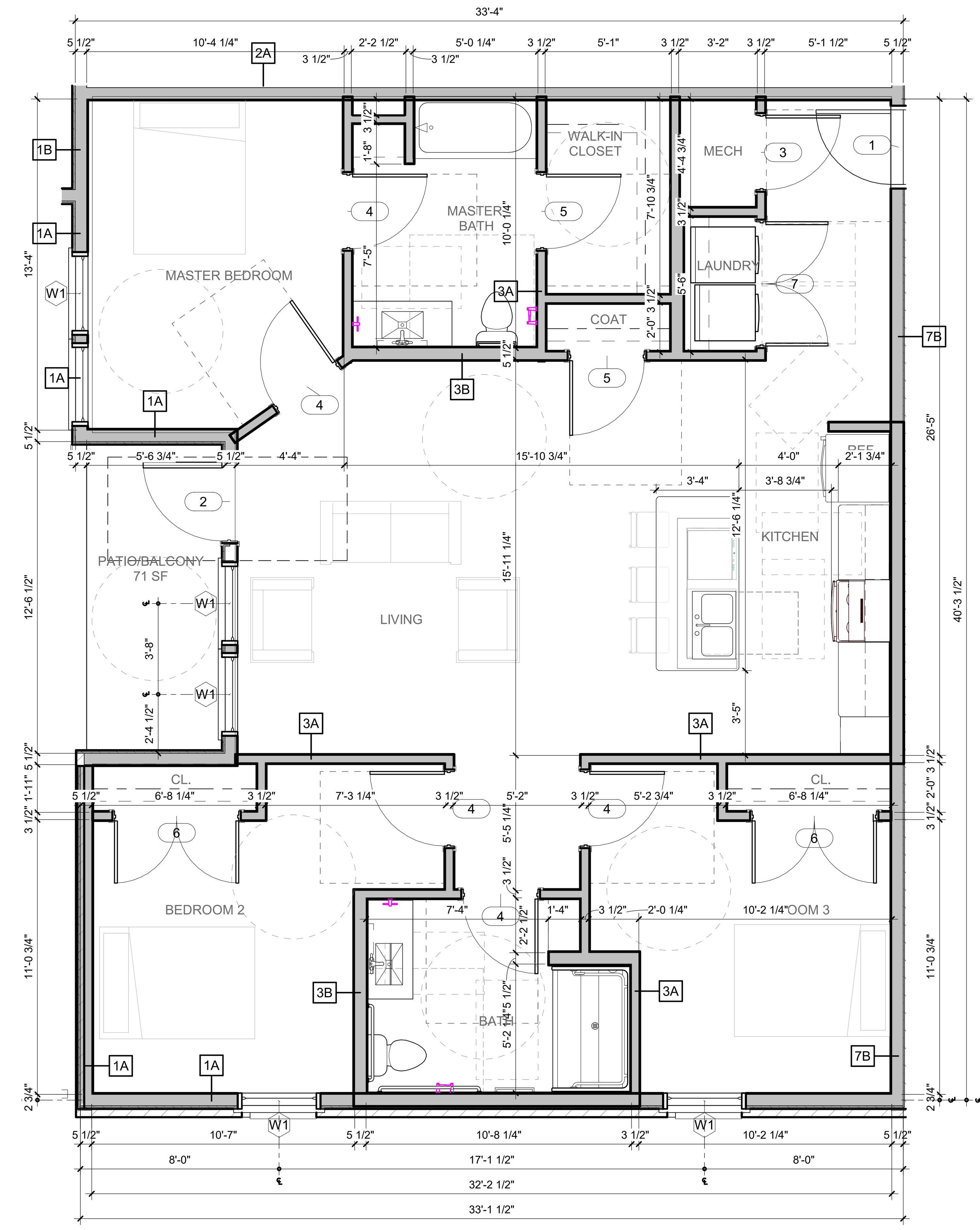
4 3 BEDROOM UNIT- KITCHEN INTERIOR ELEVATION ACCESSIBLE TYPE -
1/4" = 1'-0"



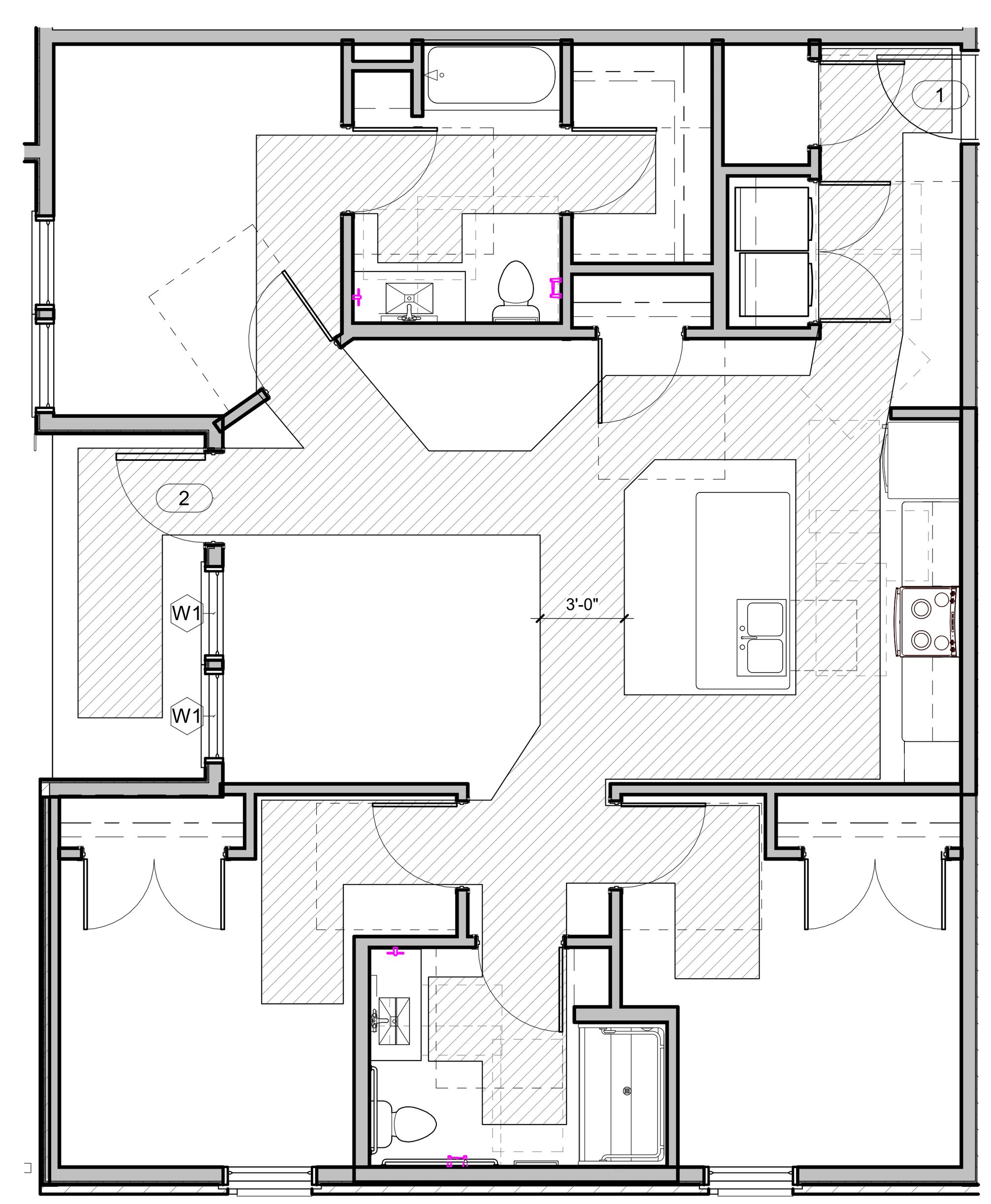
9 3 BEDROOM UNIT -BATH ACCESSIBLE TYPE
1/4" = 1'-0"



3 3 BEDROOM UNIT - KITCHEN ACCESSIBLE TYPE
1/4" = 1'-0"



1 ENLARGED 3 BEDROOM UNIT - ACCESSIBLE TYPE -
1/4" = 1'-0"



2 3 BEDROOM UNIT - ACCESSIBLE ROUTE
3/16" = 1'-0"

ARCHITECTURAL GENERAL NOTES

1. CONFORM ALL CONSTRUCTION TO ALL APPLICABLE CODES IN FORCE WITHIN THE JURISDICTION OF THE PROJECT. IF ANY SUCH RULES AND/OR REGULATIONS ARE IN CONFLICT WITH ANY PORTION OF THESE DOCUMENTS, THE CONSTRUCTION MANAGER SHALL BE INFORMED PRIOR TO PROCEEDING.
2. ALL INTERIOR BUILDING FINISHES SHALL CONFORM TO ALL APPLICABLE CODES IN FORCE WITHIN THE JURISDICTION OF THE PROJECT.
3. THE SUB-CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND JOB CONDITIONS PRIOR TO COMMENCING WORK AND SHALL REPORT TO THE GENERAL CONTRACTOR ANY DISCREPANCIES OR OMISSIONS WHICH WOULD INTERFERE WITH SATISFACTORY COMPLETION OF THE WORK.
4. ANY AND ALL PENETRATIONS SHALL BE SEALED (WITH SEALANT) TO PREVENT ANY TYPE OF ENERGY LOSS.
5. VERIFY ALL EXISTING CONDITIONS PRIOR TO START OF CONSTRUCTION. NOTIFY THE CONTRACT MANAGER IMMEDIATELY OF ANY CONFLICTS PRIOR TO PROCEEDING WITH WORK.
6. THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL APPLICABLE DIMENSIONS OF FIXTURES AND EQUIPMENT SUPPLIED AND/OR INSTALLED BY OTHERS.
7. THE POSTING OF AN OFFICIAL DESIGN RELEASE PLACARD AND THE MAINTENANCE OF ONE SET OF STATE-STAMPED PLANS AND SPECIFICATIONS ON THE JOB SITE ARE REQUIRED.
8. THE SUB-CONTRACTOR SHALL FILE ALL DRAWNGS FOR PERMIT APPLICATION OR OTHER MATERIALS REQUIRED TO SECURE ANY AND ALL BUILDING PERMITS AS MIGHT BE REQUIRED BY ANY LOCAL ORDINANCES TO PERFORM THIS WORK.
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11. UPON COMPLETION OF PROJECT, OBTAIN ALL FINAL INSPECTIONS AS REQUIRED BY LOCAL JURISDICTIONS AND FURNISH OWNER WITH EVIDENCE OF ALL SUCH INSPECTIONS AND CERTIFICATES OF OCCUPANCY.
12. UPON COMPLETION OF PROJECT, PROVIDE OWNER WITH ALL INSTRUCTION MANUALS, WARRANTIES, OR OTHER DOCUMENTS REQUIRED FOR OPERATION OR MAINTENANCE OF ANY ITEM IN THE CONTRACTORS' WORK.
13. THESE CONSTRUCTION NOTES AND/OR DRAWINGS ARE SUPPLIED TO ILLUSTRATE THE DESIGN AND GENERAL TYPE OF CONSTRUCTION DESIRED AND ARE INTENDED TO IMPLY THE FINEST QUALITY OF CONSTRUCTION MATERIAL AND WORKMANSHIP THROUGHOUT.
14. THE GENERAL CONTRACTOR SHALL MAINTAIN A CURRENT AND COMPLETE SET OF CONSTRUCTION DOCUMENTS AT THE SITE DURING ALL PHASES OF CONSTRUCTION FOR USE BY ALL TRADES.
15. ALL MEANS OF EGRESS AND FIRE PROTECTION SHALL BE MAINTAINED AT ALL TIMES. ANY SHUT DOWN OF LIFE SAFETY OR BUIUDING SYSTEMS SHALL BE APPROVED AND COORDINATED IN ADVANCE WITH THE OWNER AND LOCAL BUILDING DEPARTMENT.
16. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECTIMMEDIATELY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL DRAWINGS AND SPECIFICATIONS PRIOR TO BEGINNING WORK AND/OR PLACING ORDERS.
17. TYPICAL SECTIONS MAY NOT BE INDICATED ON PLAN SHEETS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO USE TYPICAL SECTIONS WHERE REQUIRED.
18. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY BRACING AND/OR SHORING UNTIL THE PERMANENT BRACING IS IN PLACE.
19. ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. SEE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION REGARDING THE SIZE AND QUANTITY OF OPENINGS, SLAB REQUIREMENTS AND LINTELS.
20. THESE DRAWINGS ARE NOT TO BE SEPERATED.
21. ALL DIMENSIONS ARE TO FACE OF FRAMING UN LESS NOTED OTHERWISE.
22. REFER TO SITE PLAN FOR LOCATION OF ACCESSIBLE AND AV UNITS.
23. ALL FIRST UNIT ARE ADAPTABLE.

INSULATION NOTES

1. ECO BATT IS TO BE USED, DO NOT INSET STAPLE, STAPLE DIRECTLY TO THE FACE OF THE STUD.
2. INSULATION TO BE INSTALLED TO GRADE I STANDARDS PER ENERGY STAR ASHRAE 90.1.2012 OR CURRENT ADOPTED OHIO STANDARDS WITH NO GAPS OR VOIDS OR COMPRESSION.
3. INSULATION IS TO BE SPLIT AND INSTALLED AROUND PIPES AND ELECTRICAL WIRING, AVOID COMPRESSING INSULATION.
4. ROOF INSULATION SHALL NOT BE COMPRESSED AFTER INSTALLATION, RULERS ARE TO BE USED AND ADDITIONAL INSULATION IS TO BE ADDED IF R VALUE DECREASES BEFORE THE END OF CONSTRUCTION.
5. CAULK PERIMETER BEHIND DRYWALL AT EXTERIOR BOUNDARY CONDITIONS AND ALL PARTY WALLS.
6. SUBCONTRACTORS TO USE THE SMALLEST PENETRATIONS POSSIBLE AND TO PROPERLY SEAL ALL OF THEIR PENETRATIONS THROUGH EXTERIOR AND PARTY WALLS, AND THROUGH ALL FLOORS AND CEILINGS USING MASTIC OR CAULK, TO INCLUDE BUT NOT LIMITED TO PLUMBING, ELECTRICAL, DUCTS, SHAFTS AND LIGHT FIXTURES. USE FIRE RATED CAULK AND/OR COLLARS WHERE NECESSARY TO MAINTAIN FIRE RATINGS.
7. CAULK PERIMETER AND PARTY WALL SILL AND TOP PLATES TO PREVENT AIR LEAKAGE SO AS TO BE IN COMPLIANCE WITH ICC IECC SECTION R 402.4.1.2 OR C 402.4 AS APPLICABLE.
8. PROPERLY SEAL AIR GAPS IN EXTERIOR AND FLOOR FRAMING PRIOR TO INSTALLATION OF INSULATION.
9. ACOUSTIC INSULATION USED IN INTERIOR DESMISING WALL AND FLOOR/CEILING ASSEMBLIES

UNIT NOTES

1. ALL WASHERS TO HAVE PAN AND DRAIN (CONFIRM LOCATION OF DRAIN)
2. BATHROOMS ARE VENTED TO THE OUTDOORS. THE MINIMUM VENTILATION RATE IS 50 CFM FOR INTERMITTENT OPERATION OR 20 CFM FOR CONTINUOUS OPERATION IN BATHROOMS.
3. EXHAUST FANS READY FOR CONTINUOUS OPERATION TO HAVE APPROPRIATELY LABELED CONTROLS.
4. BATHROOMS AND UNITS ARE TO HAVE LOW FLOW ENERGY STAR FIXTURES AND APPLIANCES. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING PLANS FOR SPECIFICATIONS AND DETAILS.
5. WATER HEATER TO HAVE DRAIN PAN AND BE PIPED TO DRAIN.
6. SEE FINISH PLANS.
7. WASHER MACHINE NEEDS TO BE LOCATED ON THE LEFT.
8. COUNTERTOPS TO HAVE BEVELED/ RADIUSED CORNERS; 2" RADIUS, OR WATERFALL EDGE WITH 1" CORNER RADIUS.
9. PROVIDE AT LEAST 15" MIN. CLEAR SPACE, 1' LANDING ZONE ON EACH SIDE OF STOVE, SINK, AND AT LEAST 1' SIDE OF REFRIGERATOR

FRAMING NOTES

1. WHERE A WALL OF A TUB OR SHOWER ALIGN WITH AN EXTERIOR WALL A SHEET OF OSB OR THERMOPLY NEEDS T0 GO BEHIND THE DRYWALL AFTER INSULATION IS INSTALLED AND BEFORE THE TUB IS SET. APPLIES ONLY TO LOCATIONS ON EXTERIOR WALLS.
2. RAISED HEEL TRUSSES T0 BE USED, SEE STRUCTURAL DRAWINGS.

PLAN NOTES

1. ALL EXTERIOR WALLS ARE 2X6 STUDS AT 16" O.C. UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS ARE TO FACE OF STUD, UNLESS OTHERWISE NOTED
3. RE: STRUCT FOR FLOORING AND ROOF TRUSS SPACING. DO NOT PLACE TRUSSES OVER PLUMBING WALLS OR SUCH THAT THEY OBSTRUCT THE PLUMBING ROUGH-IN IN ANY WAY. PROVIDE NECCESSARY CLEARANCE ABOVE FURNACE ROOM FROM FLUES AND PLENUM
4. IN ALL BATHROOMS, PROVIDE BLOCKING AS REQUIRED TO SECURE TOWEL BARS.
5. IN ALL FIRST FLOOR UNIT BATHROOMS AND IN ALL UNITS ON ALL FLOORS OF BUILDING TYPE "A," PROVIDE WOOD BLOCKING FOR POSSIBLE FUTURE INSTALLATION OF GRAB BARS. ALL BATHROOMS OR SHOWERS TO HAVE BACKERS IN BUILDING "A" THAT HAS ELEVATOR.
6. MOISTURE -RESISTANT GYP. BOARD. (PAPERLESS BOARD) MUST BE USED ON ALL HORIZONTAL WALLS IN THE RESTROOM AND WITHIN 4 FEET IN ALL DIRECTIONS OF ANY WATER SOURCE.
7. IN ALL FIRST FLOORS UNITS: ALL ELECTRICAL AND HVAC CONTROLS AND DEVICES MEANT TO BE USABLE BY RESIDENT SHALL COMPLY WITH THE HEIGHT REQUIREMENTS OF FAIR HOUSING GUIDELINES.

KITTLE
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www.kittleproperties.com

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SEAL

PROJECT TITLE

WEST FORK

WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
OFHA APPLICATION	09/25/23

REVISIONS

MARK	DESCRIPTION	DATE

DO NOT SCALE PRINTS - USE FIGURED DIMENSIONS ONLY

PROJECT NO.

22-018

SHEET TITLE

ENLARGED PLANS 3 BEDROOM - ACCESSIBLE TYPE

SHEET NUMBER

A-405

Unit Plan Keynotes

Key Value	Keynote Text
A1	LAUNDRY WIRE SHELF 12"D AT 5'-6" AFF TYP. ,48" AFF ACC. UNITS
A2	(5) 16" WIRE SHELVES
A7	30X60 TUB/SHOWER COMBO WITH ADJUSTABLE HEIGHT SHOWERHEAD OR HANDHELD SHOWERHEAD WITH FLEXIBLE HOSE AND EASILY OPERABLE CONTROLS, WITH BLOCKING ON FIRST AND BATHTUB SEAL TRIM IN ALL TYPICAL FLOORS UNITS
A8	24" TOWEL BAR (MODEL- MOEN, CONTEMPORARY, CHROME) - PROVIDE BLOCKING AS REQUIRED
A9	PLATE GLASS MIRROR - 46" X 36" STANDARD, BOTTOM OF REFLECTIVE SURFACE 40" MAX AFF
A11	PLAM COUNTERTOP 36" AFF TYPICAL, 34" AFF ACCESSIBLE WITH 4" INTEGRAL PLAM BACKSPLASH
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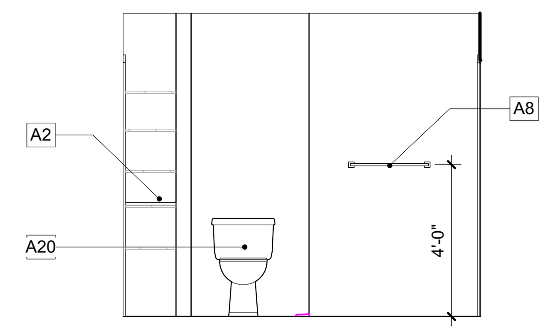
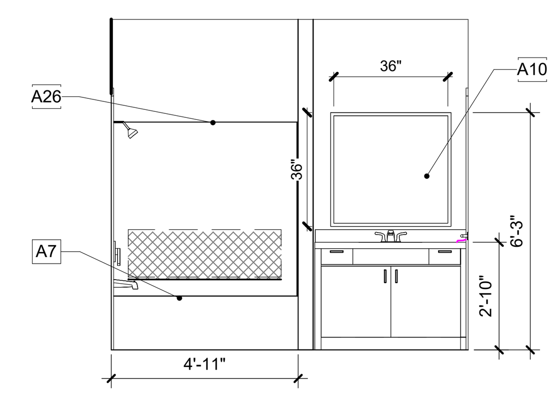
A26	SHOWER ROD CURVED (MODEL- MOEN, CONTEMPORARY, CHROME)
K1	GE BLACK REFRIGERATOR - ENERGY STAR RATED
K2	GE BLACK RANGE - ENERGY STAR RATED
K3	GE BLACK OVER-THE-RANGE MICROWAVE - ENERGY STAR RATED
K4	GE BLACK DISHWASHER -ENERGY STAR RATED (ADA COMPLIANT IN ACCESSIBLE UNITS)
K5	ENERGY STAR WATER HEATER
K6	ENERGY STAR FURNACE
K7	ENERGY STAR WASHER (FRONT LOADING ACC. UNITS)
K8	ENERGY STAR DRYER (FRONT LOADING ACC. UNITS)
K9	KITCHEN SINK W/ LEVER FAUCET AND GARBAGE DISPOSAL



8 4 BEDROOM UNIT - MASTER BATH STANDARD TYPE
1/4" = 1'-0"



7 4 BEDROOM UNIT - MASTER BATH INTERIOR ELEVATION STANDARD TYPE
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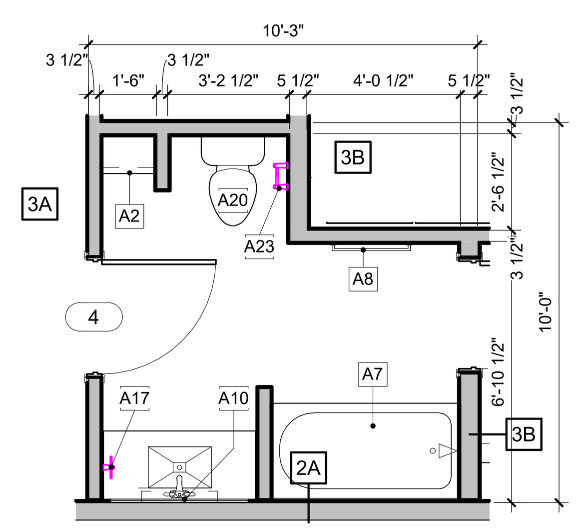

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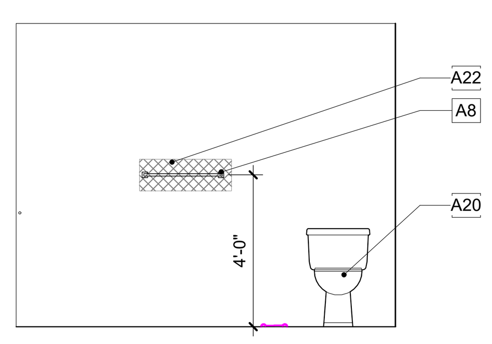

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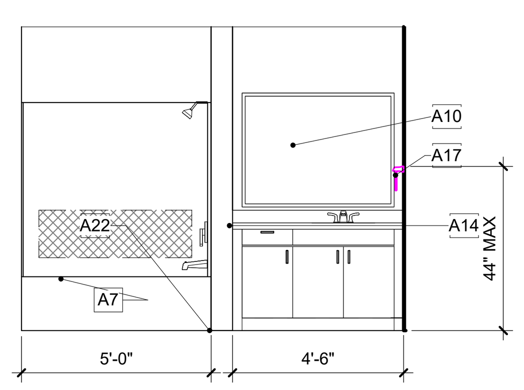

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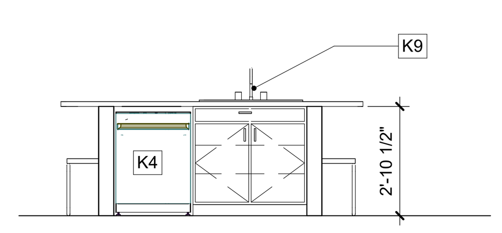

5 4 BEDROOM UNIT - KITCHEN ISLAND STANDARD TYPE
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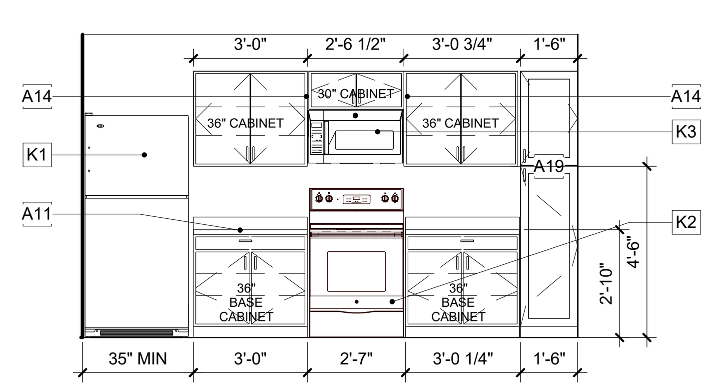

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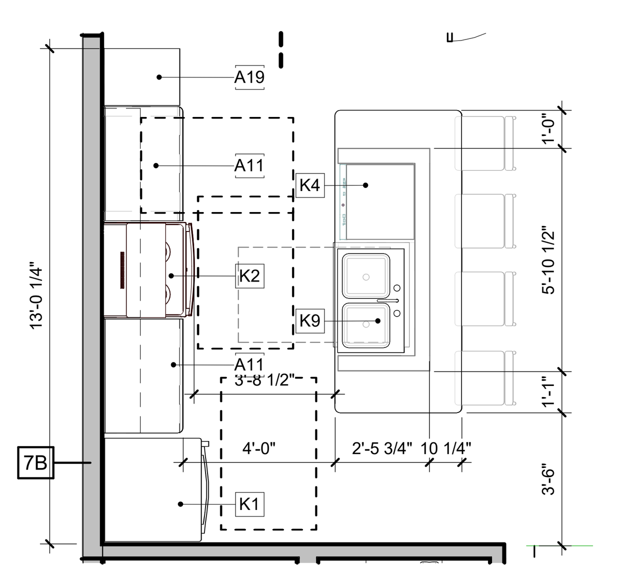

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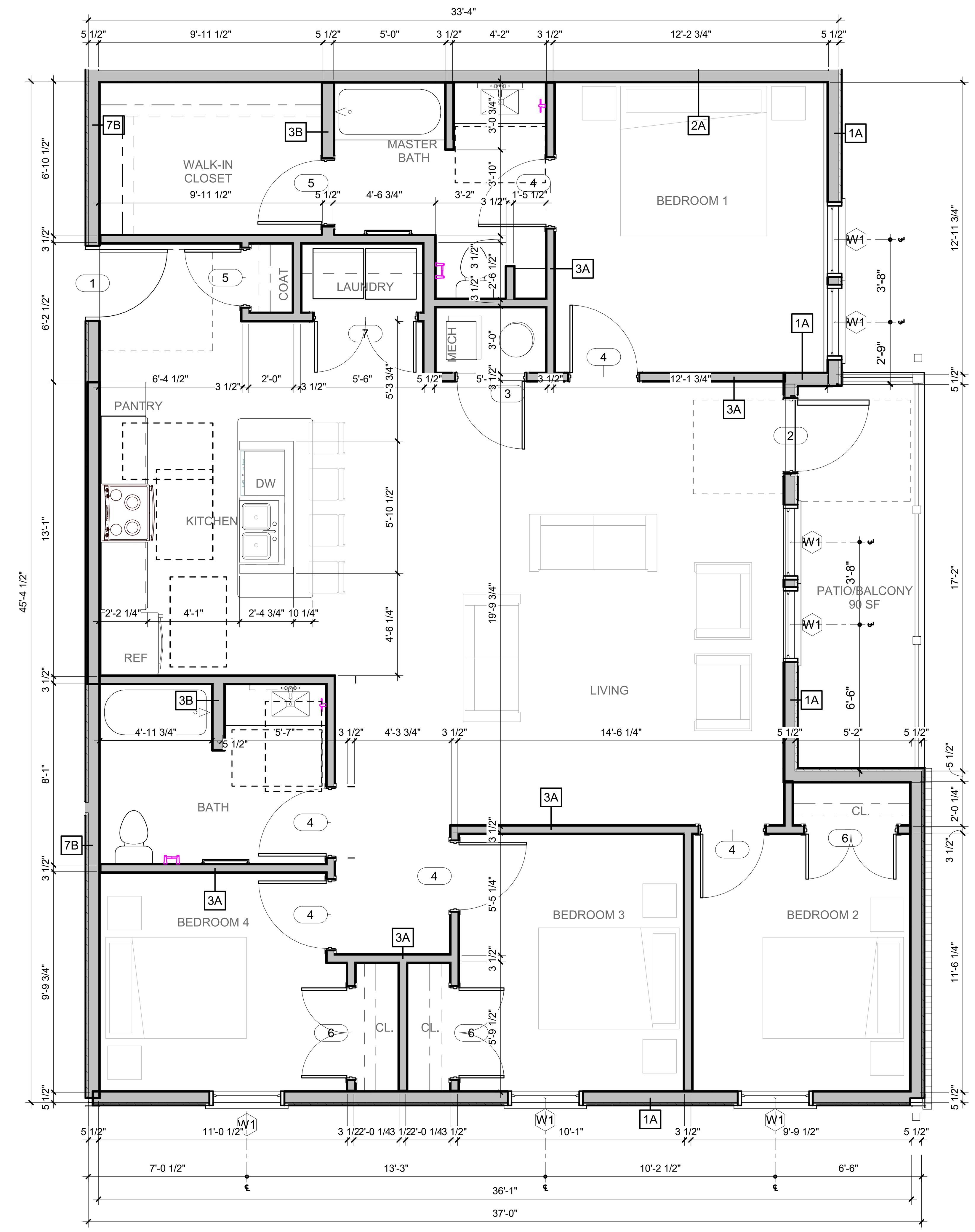

1 ENLARGED 4 BEDROOM UNIT - STANDARD TYPE
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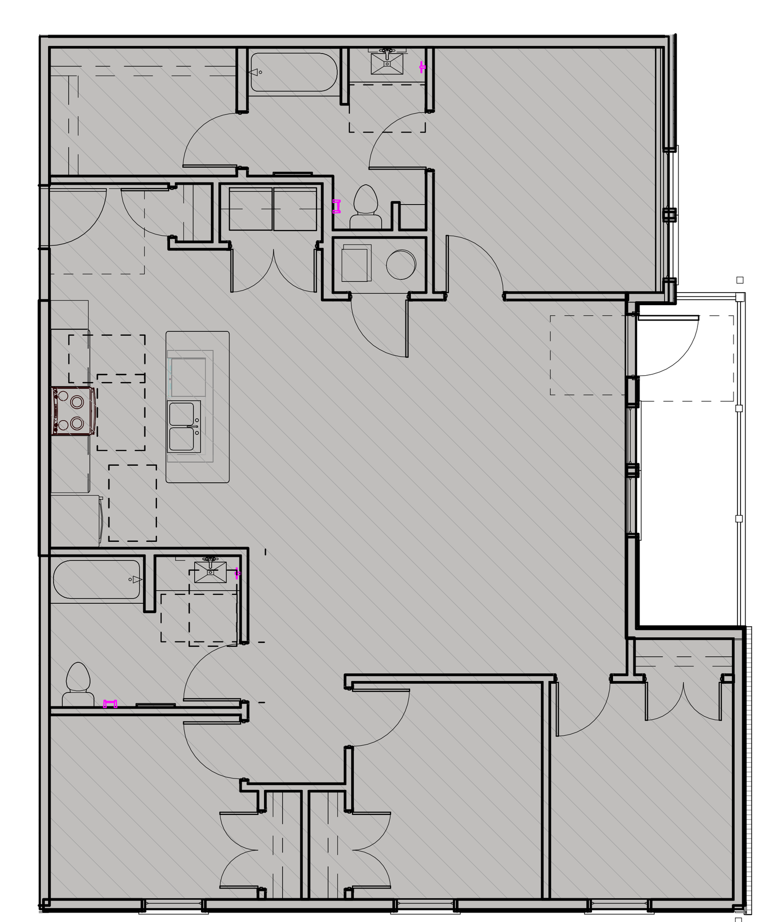

2 4 BEDROOM UNIT - GROSS SQUARE FEET - 1,548 SF (NET SQUARE FEET - 1437 SF)
1/8" = 1'-0"

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15. ALL MEANS OF EGRESS AND FIRE PROTECTION SHALL BE MAINTAINED AT ALL TIMES. ANY SHUT DOWN OF LIFE SAFETY OR BUIUDING SYSTEMS SHALL BE APPROVED AND COORDINATED IN ADVANCE WITH THE OWNER AND LOCAL BUILDING DEPARTMENT.
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17. TYPICAL SECTIONS MAY NOT BE INDICATED ON PLAN SHEETS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO USE TYPICAL SECTIONS WHERE REQUIRED.
18. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY BRACING AND/OR SHORING UNTIL THE PERMANENT BRACING IS IN PLACE.
19. ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. SEE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION REGARDING THE SIZE AND QUANTITY OF OPENINGS, SLAB REQUIREMENTS AND LINTELS.
20. THESE DRAWINGS ARE NOT TO BE SEPERATED.
21. ALL DIMENSIONS ARE TO FACE OF FRAMING UN LESS NOTED OTHERWISE.
22. REFER TO SITE PLAN FOR LOCATION OF ACCESSIBLE AND AV UNITS.
23. ALL FIRST UNIT ARE ADAPTABLE.

INSULATION NOTES

1. ECO BATT IS TO BE USED, DO NOT INSET STAPLE, STAPLE DIRECTLY TO THE FACE OF THE STUD.
2. INSULATION TO BE INSTALLED TO GRADE I STANDARDS PER ENERGY STAR ASHRAE 90.1.2012 OR CURRENT ADOPTED OHIO STANDARDS WITH NO GAPS OR VOIDS OR COMPRESSION.
3. INSULATION IS TO BE SPLIT AND INSTALLED AROUND PIPES AND ELECTRICAL WIRING, AVOID COMPRESSING INSULATION.
4. ROOF INSULATION SHALL NOT BE COMPRESSED AFTER INSTALLATION, RULERS ARE TO BE USED AND ADDITIONAL INSULATION IS TO BE ADDED IF R VALUE DECREASES BEFORE THE END OF CONSTRUCTION.
5. CAULK PERIMETER BEHIND DRYWALL AT EXTERIOR BOUNDARY CONDITIONS AND ALL PARTY WALLS.
6. SUBCONTRACTORS TO USE THE SMALLEST PENETRATIONS POSSIBLE AND TO PROPERLY SEAL ALL OF THEIR PENETRATIONS THROUGH EXTERIOR AND PARTY WALLS, AND THROUGH ALL FLOORS AND CEILINGS USING MASTIC OR CAULK, TO INCLUDE BUT NOT LIMITED TO PLUMBING, ELECTRICAL, DUCTS, SHAFTS AND LIGHT FIXTURES. USE FIRE RATED CAULK AND/OR COLLARS WHERE NECESSARY TO MAINTAIN FIRE RATINGS.
7. CAULK PERIMETER AND PARTY WALL SILL AND TOP PLATES TO PREVENT AIR LEAKAGE SO AS TO BE IN COMPLIANCE WITH ICC IECC SECTION R 402.4.1.2 OR C 402.4 AS APPLICABLE.
8. PROPERLY SEAL AIR GAPS IN EXTERIOR AND FLOOR FRAMING PRIOR TO INSTALLATION OF INSULATION.
9. ACOUSTIC INSULATION USED IN INTERIOR DESMISING WALL AND FLOOR/CEILING ASSEMBLIES

UNIT NOTES

1. ALL WASHERS TO HAVE PAN AND DRAIN (CONFIRM LOCATION OF DRAIN)
2. BATHROOMS ARE VENTED TO THE OUTDOORS. THE MINIMUM VENTILATION RATE IS 50 CFM FOR INTERMITTENT OPERATION OR 20 CFM FOR CONTINUOUS OPERATION IN BATHROOMS.
3. EXHAUST FANS READY FOR CONTINUOUS OPERATION TO HAVE APPROPRIATELY LABELED CONTROLS.
4. BATHROOMS AND UNITS ARE TO HAVE LOW FLOW ENERGY STAR FIXTURES AND APPLIANCES. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING PLANS FOR SPECIFICATIONS AND DETAILS.
5. WATER HEATER TO HAVE DRAIN PAN AND BE PIPED TO DRAIN.
6. SEE FINISH PLANS.
7. WASHER MACHINE NEEDS TO BE LOCATED ON THE LEFT.
8. COUNTERTOPS TO HAVE BEVELED/ RADIUSED CORNERS; 2" RADIUS, OR WATERFALL EDGE WITH 1" CORNER RADIUS.
9. PROVIDE AT LEAST 15" MIN. CLEAR SPACE, 1' LANDING ZONE ON EACH SIDE OF STOVE, SINK, AND AT LEAST 1' SIDE OF REFRIGERATOR

FRAMING NOTES

1. WHERE A WALL OF A TUB OR SHOWER ALIGN WITH AN EXTERIOR WALL A SHEET OF OSB OR THERMOPLY NEEDS T0 GO BEHIND THE DRYWALL AFTER INSULATION IS INSTALLED AND BEFORE THE TUB IS SET. APPLIES ONLY TO LOCATIONS ON EXTERIOR WALLS.
2. RAISED HEEL TRUSSES T0 BE USED, SEE STRUCTURAL DRAWINGS.

PLAN NOTES

1. ALL EXTERIOR WALLS ARE 2X6 STUDS AT 16" O.C. UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS ARE TO FACE OF STUD, UNLESS OTHERWISE NOTED
3. RE: STRUCT FOR FLOORING AND ROOF TRUSS SPACING. DO NOT PLACE TRUSSES OVER PLUMBING WALLS OR SUCH THAT THEY OBSTRUCT THE PLUMBING ROUGH-IN IN ANY WAY. PROVIDE NECCESSARY CLEARANCE ABOVE FURNACE ROOM FROM FLUES AND PLENUM
4. IN ALL BATHROOMS, PROVIDE BLOCKING AS REQUIRED TO SECURE TOWEL BARS.
5. IN ALL FIRST FLOOR UNIT BATHROOMS AND IN ALL UNITS ON ALL FLOORS OF BUILDING TYPE "A," PROVIDE WOOD BLOCKING FOR POSSIBLE FUTURE INSTALLATION OF GRAB BARS. ALL BATHROOMS OR SHOWERS TO HAVE BACKERS IN BUILDING "A" THAT HAS ELEVATOR.
6. MOISTURE -RESISTANT GYP. BOARD. (PAPERLESS BOARD) MUST BE USED ON ALL HORIZONTAL WALLS IN THE RESTROOM AND WITHIN 4 FEET IN ALL DIRECTIONS OF ANY WATER SOURCE.
7. IN ALL FIRST FLOORS UNITS: ALL ELECTRICAL AND HVAC CONTROLS AND DEVICES MEANT TO BE USABLE BY RESIDENT SHALL COMPLY WITH THE HEIGHT REQUIREMENTS OF FAIR HOUSING GUIDELINES.

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SEAL

PROJECT TITLE

WEST FORK

WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
OFHA APPLICATION	09/25/23

REVISIONS

MARK	DESCRIPTION	DATE

DO NOT SCALE PRINTS - USE FIGURED DIMENSIONS ONLY

PROJECT NO.

22-018

SHEET TITLE

ENLARGED PLANS 4 BEDROOM - STANDARD TYPE

SHEET NUMBER

A-406

T:\01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dr\7 CAD and Revit\BUIDLING 4BR6+2BR18+1BR12 - 9.13.23.rvt
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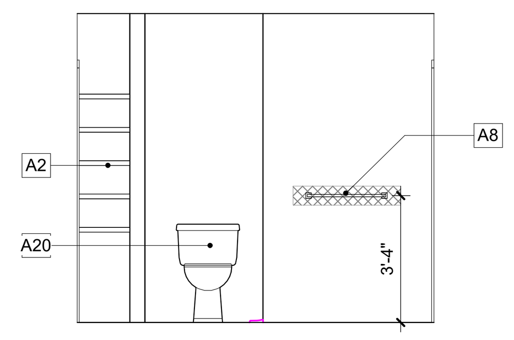
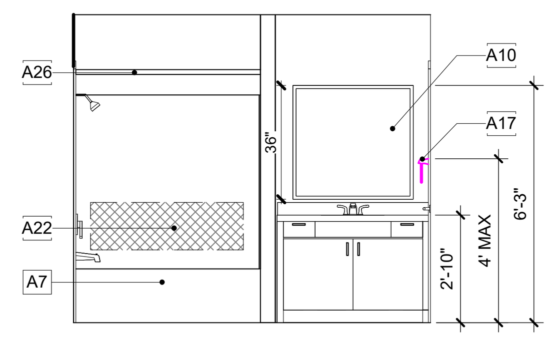
Unit Plan Keynotes

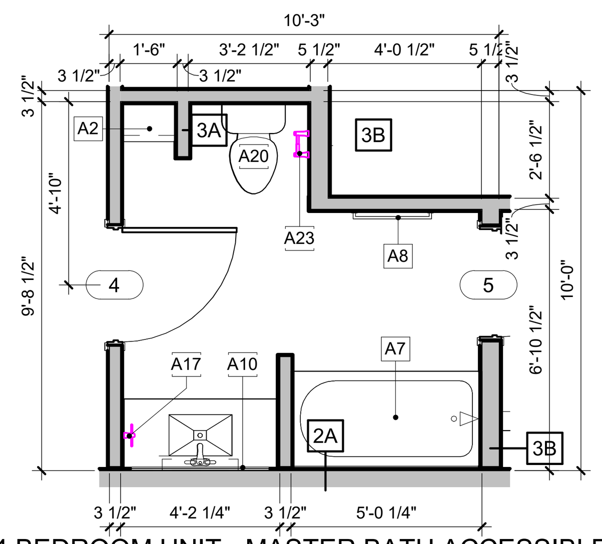
Key Value	Keynote Text
A6	30" CLEAR KNEE SPACE IN ADA UNITS
A8	24" TOWEL BAR (MODEL- MOEN, CONTEMPORARY, CHROME) - PROVIDE BLOCKING AS REQUIRED
A9	PLATE GLASS MIRROR - 46" X 36" STANDARD, BOTTOM OF REFLECTIVE SURFACE 40" MAX AFF
A11	PLAM COUNTERTOP 36" AFF TYPICAL, 34" AFF ACCESSIBLE WITH 4" INTEGRAL PLAM BACKSPLASH
A14	FILLER PANEL AS REQUIRED
A15	ROLL-IN SHOWER W/ BUILT-IN BLOCKING IN ALL UNITS AND GRAB BARS W/ SECURELY MOUNTED SHOWER SEAT IN All UNITS"
A17	HAND TOWEL RING (MODEL- MOEN, CONTEMPORARY, CHROME)
A19	18" PANTRY CABINET
A20	TOILET AT LEAST AT 17" AFF
A23	TOILET PAPER DISPENSER (MODEL- MOEN, CONTEMPORARY, CHROME)
A24	GRAB BARS WITH BLOCKING IN ALL ACCESSIBLE UNITS
A26	SHOWER ROD CURVED (MODEL- MOEN, CONTEMPORARY, CHROME)
A27	VANITY LIGHT PER ELECTRICAL
K1	GE BLACK REFRIGERATOR - ENERGY STAR RATED
K4	GE BLACK DISHWASHER -ENERGY STAR RATED (ADA COMPLIANT IN ACCESSIBLE UNITS)
K5	ENERGY STAR WATER HEATER
K6	ENERGY STAR FURNACE
K7	ENERGY STAR WASHER (FRONT LOADING ACC. UNITS)
K8	ENERGY STAR DRYER (FRONT LOADING ACC. UNITS)
K9	KITCHEN SINK W/ LEVER FAUCET AND GARBAGE DISPOSAL
K11	ENERGY STAR RANGE HOOD
K12	GE BLACK RANGE - ENERGY STAR ADA FRONT CONTROLLED RANGE -34" HIGH STOVE TO ALIGN WITH COUNTERTOP HEIGHT; DROP IN



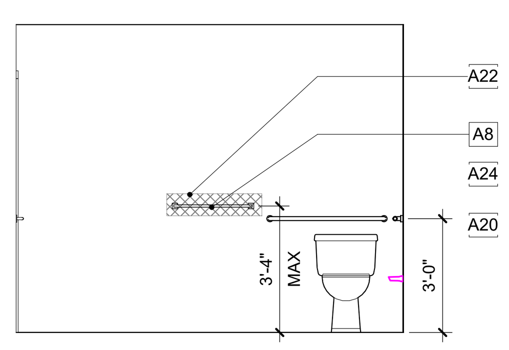
8 4 BEDROOM UNIT - MASTER BATH ACCESSIBLE TYPE
1/4" = 1'-0"



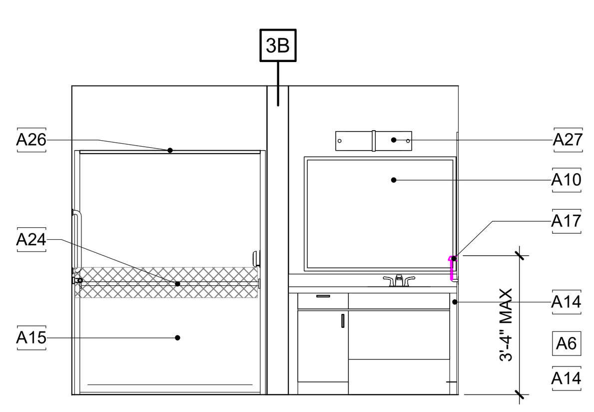
7 4 BERDOOM UNIT - MASTER BATH INTERIOR ELEVATION ACCESSIBLE TYPE
1/4" = 1'-0"



6 4 BEDROOM UNIT - MASTER BATH ACCESSIBLE TYPE
1/4" = 1'-0"



11 4 BEDROOM UNIT - BATH ACCESSIBLE TYPE
1/4" = 1'-0"



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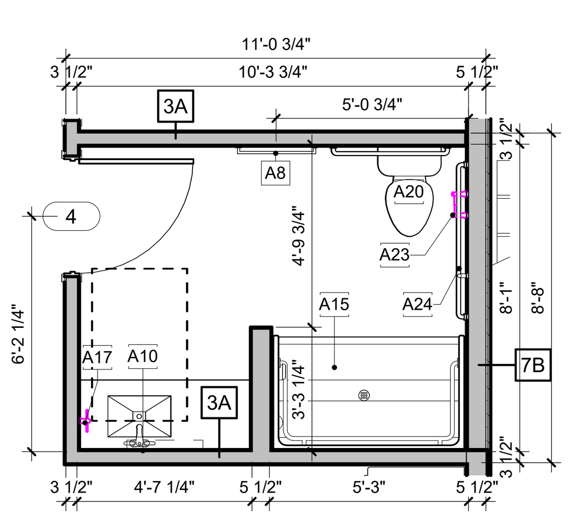
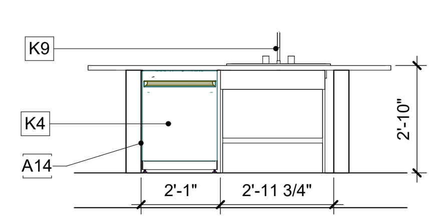
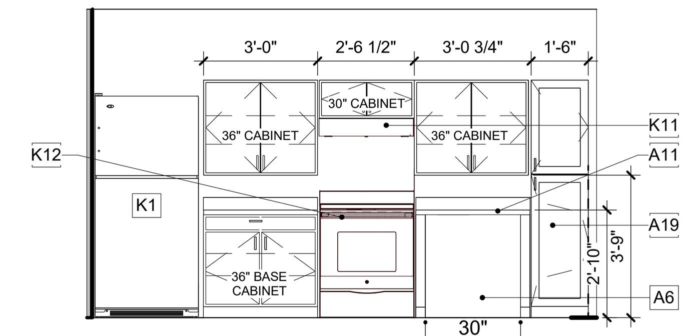
1/4" = 1'-0"



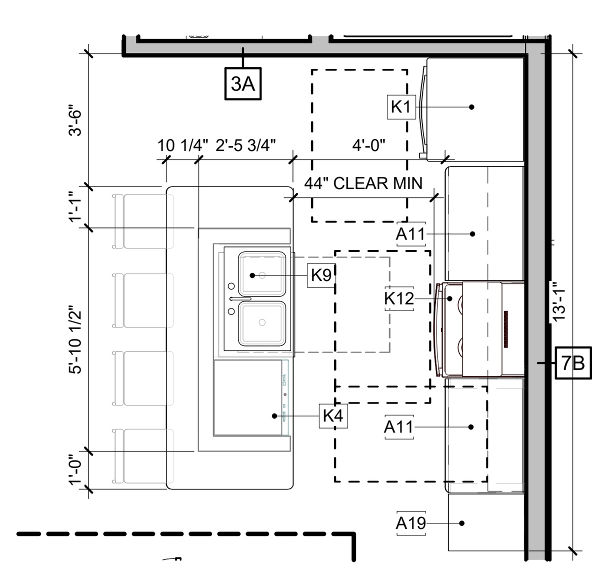
9 4 BEDROOM UNIT - BATH ACCESSIBLE TYPE
1/4" = 1'-0"



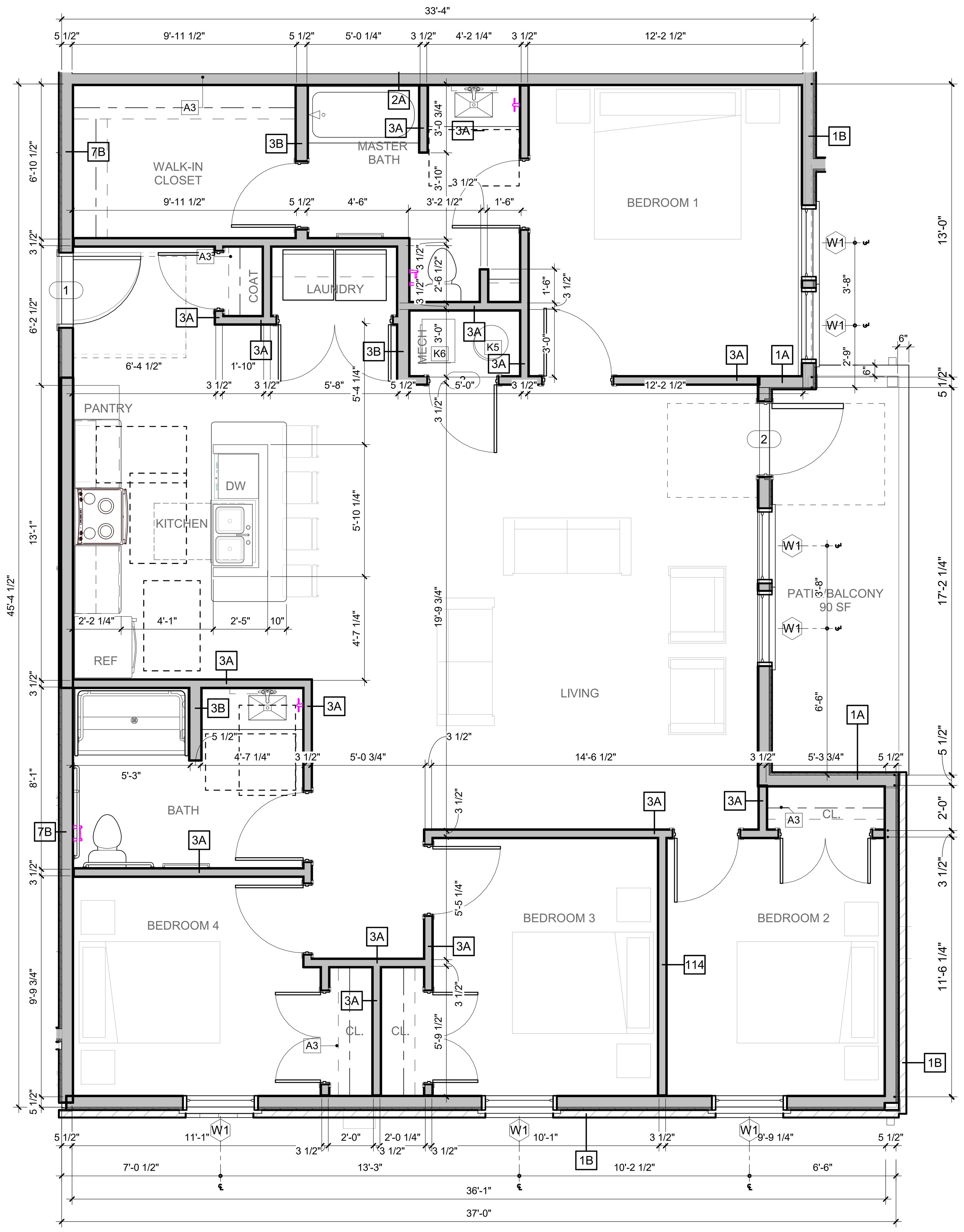
5 4 BEDROOM UNIT - KITCHEN ISLAND ACCESSIBLE TYPE
1/4" = 1'-0"



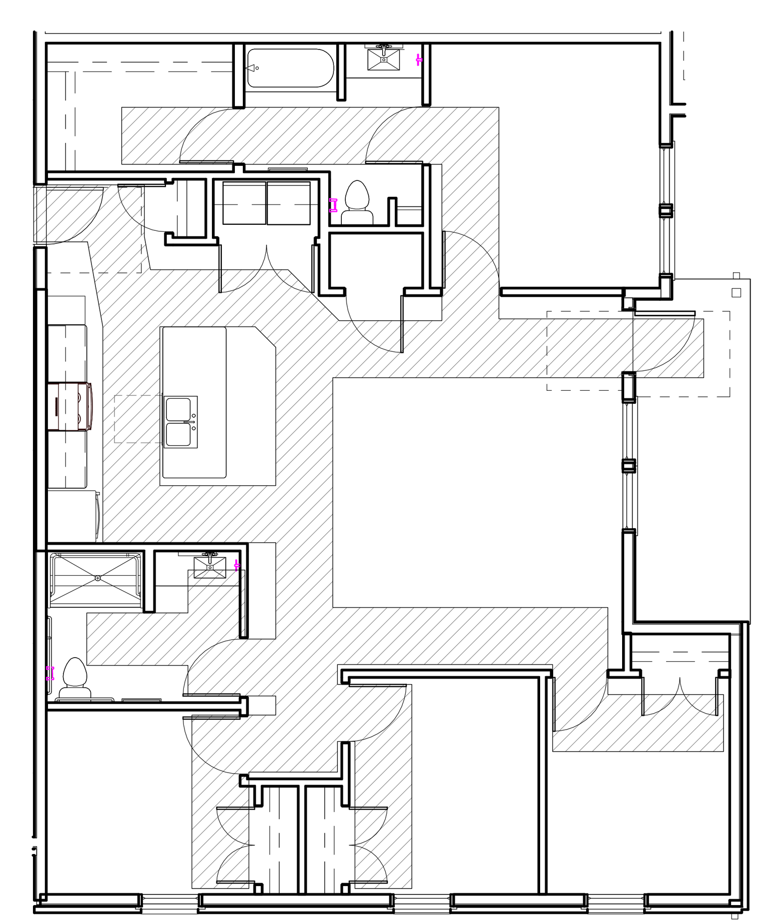
4 4 BEDROOM UNIT - KITCHEN INTERIOR ELEVATION ACCESSIBLE TYPE
1/4" = 1'-0"



3 4 BEDROOM UNIT - KITCHEN ACCESSIBLE TYPE
1/4" = 1'-0"



1 ENLARGED 4 BEDROOM UNIT - ACCESSIBLE TYPE
1/4" = 1'-0"



2 4 BEDROOM UNIT - ACCESSIBLE ROUTE
1/8" = 1'-0"

ARCHITECTURAL GENERAL NOTES

1. CONFORM ALL CONSTRUCTION TO ALL APPLICABLE CODES IN FORCE WITHIN THE JURISDICTION OF THE PROJECT. IF ANY SUCH RULES AND/OR REGULATIONS ARE IN CONFLICT WITH ANY PORTION OF THESE DOCUMENTS, THE CONSTRUCTION MANAGER SHALL BE INFORMED PRIOR TO PROCEEDING.
2. ALL INTERIOR BUILDING FINISHES SHALL CONFORM TO ALL APPLICABLE CODES IN FORCE WITHIN THE JURISDICTION OF THE PROJECT.
3. THE SUB-CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND JOB CONDITIONS PRIOR TO COMMENCING WORK AND SHALL REPORT TO THE GENERAL CONTRACTOR ANY DISCREPANCIES OR OMISSIONS WHICH WOULD INTERFERE WITH SATISFACTORY COMPLETION OF THE WORK.
4. ANY AND ALL PENETRATIONS SHALL BE SEALED (WITH SEALANT) TO PREVENT ANY TYPE OF ENERGY LOSS.
5. VERIFY ALL EXISTING CONDITIONS PRIOR TO START OF CONSTRUCTION. NOTIFY THE CONTRACT MANAGER IMMEDIATELY OF ANY CONFLICTS PRIOR TO PROCEEDING WITH WORK.
6. THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL APPLICABLE DIMENSIONS OF FIXTURES AND EQUIPMENT SUPPLIED AND/OR INSTALLED BY OTHERS.
7. THE POSTING OF AN OFFICIAL DESIGN RELEASE PLACARD AND THE MAINTENANCE OF ONE SET OF STATE-STAMPED PLANS AND SPECIFICATIONS ON THE JOB SITE ARE REQUIRED.
8. THE SUB-CONTRACTOR SHALL FILE ALL DRAWNGS FOR PERMIT APPLICATION OR OTHER MATERIALS REQUIRED TO SECURE ANY AND ALL BUILDING PERMITS AS MIGHT BE REQUIRED BY ANY LOCAL ORDINANCES TO PERFORM THIS WORK.
9. THE DRAWINGS SHALL NOT BE SCALED. FOR INFORMATION CONCERNING EXITING, PARTITIONS, ETC, VERIFICATIONS SHALL BE PERFORMED IN THE FIELD.
10. THE USE OF THE WORDS 'PROVIDE" OR "PROVIDED" IN CONNECTION WITH ANY ITEM SPECIFIED IS INTENDED TO MEAN, UNLESS OTHERWISE NOTED, THAT SUCH SHALL BE FURNISHED AND INSTALLED, AND CONNECTED WHERE SO REQUIRED.
11. UPON COMPLETION OF PROJECT, OBTAIN ALL FINAL INSPECTIONS AS REQUIRED BY LOCAL JURISDICTIONS AND FURNISH OWNER WITH EVIDENCE OF ALL SUCH INSPECTIONS AND CERTIFICATES OF OCCUPANCY.
12. UPON COMPLETION OF PROJECT, PROVIDE OWNER WITH ALL INSTRUCTION MANUALS, WARRANTIES, OR OTHER DOCUMENTS REQUIRED FOR OPERATION OR MAINTENANCE OF ANY ITEM IN THE CONTRACTORS' WORK.
13. THESE CONSTRUCTION NOTES AND/OR DRAWINGS ARE SUPPLIED TO ILLUSTRATE THE DESIGN AND GENERAL TYPE OF CONSTRUCTION DESIRED AND ARE INTENDED TO IMPLY THE FINEST QUALITY OF CONSTRUCTION MATERIAL AND WORKMANSHIP THROUGHOUT.
14. THE GENERAL CONTRACTOR SHALL MAINTAIN A CURRENT AND COMPLETE SET OF CONSTRUCTION DOCUMENTS AT THE SITE DURING ALL PHASES OF CONSTRUCTION FOR USE BY ALL TRADES.
15. ALL MEANS OF EGRESS AND FIRE PROTECTION SHALL BE MAINTAINED AT ALL TIMES. ANY SHUT DOWN OF LIFE SAFETY OR BUIUDING SYSTEMS SHALL BE APPROVED AND COORDINATED IN ADVANCE WITH THE OWNER AND LOCAL BUILDING DEPARTMENT.
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2. ALL DIMENSIONS ARE TO FACE OF STUD, UNLESS OTHERWISE NOTED
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5. IN ALL FIRST FLOOR UNIT BATHROOMS AND IN ALL UNITS ON ALL FLOORS OF BUILDING TYPE "A," PROVIDE WOOD BLOCKING FOR POSSIBLE FUTURE INSTALLATION OF GRAB BARS. ALL BATHROOMS OR SHOWERS TO HAVE BACKERS IN BUILDING "A" THAT HAS ELEVATOR.
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SEAL

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WEST FORK

WILSON ROAD & TWIN CREEKS DR
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PROJECT NO.

22-018

SHEET TITLE

ENLARGED PLANS 4 BEDROOM - ACCESSIBLE TYPE

SHEET NUMBER

A-407

T:\01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dr\7 CAD and Revit\BUIDLING 4BR6+2BR18+1BR12 - 9.13.23.rvt

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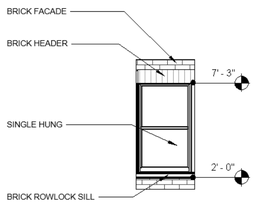
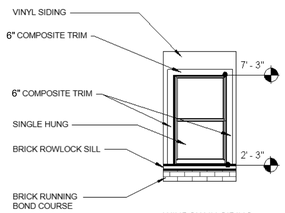
WINDOW SCHEDULE

MARK	R.O. W	R.O. H	MANUFACTURER	MODEL	DETAILS H	DETAILS J	DETAILS S	Description
W1	3'-0"	5'-0"	JELD-WEN	SINGLE HUNG				3'-0"x 5'-0" EXTERIOR - SINGLE HUNG VINYL WINDOWS

*ALL WINDOWS TO BE JELD-WEN SINGLE HUNG (V-2500 SERIES) WINDOW



WINDOW IN BRICK



WINDOW IN SIDING

RESIENDENTIAL BUILDING DOOR SCHEDULE

NO.	ELEV.	FIRE RATING	DOOR SIZE W	DOOR SIZE H	DOOR SIZE THK	DOOR APPEARANCE FINISH	DOOR APPEARANCE MATERIAL	FRAME	HW SET	REMARK
FIRST FLOOR										
B1	C		3'-0"	6'-8"	1 3/4"		THERMATRUE S210.2 PANEL, INSUL. FIBERGLASS WEATHER RESISTANT DOOR	2	7	RISER ROOM DOOR

WINDOW NOTES

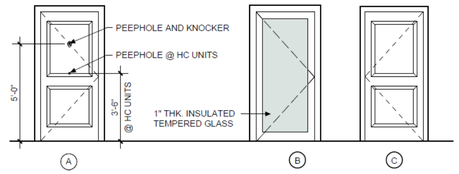
1. BASE BID: JELD-WEN BUILDERS VINYL SERIES (V-2500 SERIES) SINGLE HUNG WINDOWS WITH LOW-E GLAZING.
2. TEMPERED GLASS IS REQUIRED FOR ALL WINDOWS INSTALLED WITHIN 24" OF DOORS.
3. 2006 IBC: SECTION 1405.12.2 - GLAZING BETWEEN THE FLOORS AND A HEIGHT OF 24" SHALL BE FIXED OR HAVE OPENINGS SUCH THAT A 4" DIAMETER SPHERE CANNOT PASS THROUGH.
4. WINDOWS SHALL MEET OR EXCEED WITH IECC THERMAL REQUIREMENTS - U FACTOR LESS THAN 0.30; SHGS LESS THAN 0.42
5. INSTALL WINDOW/ MOUNTING FLANGE OVER AIR PERMEABLE MOISTURE BARRIER AND COVER MOUNTING FLANGE WITH FLEXIBLE MOISTURE BARRIER TAPE SYSTEM, LAPPING JOINTS FROM TOP TO BOTTOM AND COMPLETELY SEALING PERIMETER OF WINDOW FRAME.
6. CONTRACTOR IS REQUIRED TO CONFIRM WITH NGBS SPREADSHEET (703.2.5.1) PRIOR TO ORDERING.
7. WINDOWS MUST BE ENRGY STAR RATED FOR ZONE 5 AND WIND RATED FOR 90MPH OR DP 20 MIN

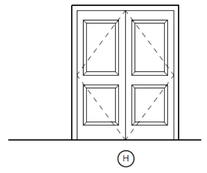
DOOR NOTES

1. INTERIOR MAXIMUM DOOR THRESHOLD OF 1/4" BURIED OR FLUSHED.
2. DOORS MUST BE ENRGY STAR RATED FOR ZONE 5 AND WIND RATED FOR 90MPH OR DP 20 MIN.
3. DOORS SHALL MEET OR EXCEED THE IECC THERMAL REQUIREMENTS: U-FACTOR LESS THAN 0.30; SHGC LESS THAN 0.42.

RESIDENTIAL UNIT DOOR SCHEDULE

MARK	ELEV.	DOOR SIZE W	DOOR SIZE H	DOOR SIZE THK	FIN.	MAT.	FRAME	FIRE RATING	GLAZING	DETAILS HEAD	DETAILS JAMB	DETAILS SILL	HW SET	REMARKS
1	A	3'-0"	6'-8"	1 3/4"	PTD	FG.	WD.			*2	*2	*2	1	FIBERGLASS RATED DOOR WEATHER RESISTANT DOOR, INSULATED CORE, NO STEP ENTRY
2	B	3'-0"	6'-8"	1 3/4"	PTD	FG.	WD.		TMPD	*2	*2	*2	5	FIBERGLASS GLAZED SWINGING PATO DOOR WITH 1" INSULATED, LOWE, NO STEP ENTRY
3	C	3'-0"	6'-8"	1 3/8"	PTD	WD.	WD.			*3	*3	*3	5	INTERIOR WOOD HOLLOW CORE RAISED PANEL DOOR
4	C	3'-0"	6'-8"	1 3/8"	PTD	FG.	WD.			*3	*3	*3	3	INTERIOR WOOD SOLID CORE RAISED PANEL DOOR
5	C	3'-0"	6'-8"	1 3/8"	PTD	WD.	WD.			*3	*3	*3	2	INTERIOR WOOD HOLLOW CORE RAISED PANEL DOOR
6	C	5'-0"	6'-8"	1 3/8"	PTD	WD.	WD.			*3	*3	*3	2	INTERIOR WOOD HOLLOW CORE RAISED PANEL DOOR
7	H	5'-0"	6'-8"	1 3/8"	PTD	WD.	WD.			*3	*3	*3	4	INTERIOR WOOD HOLLOW CORE RAISED PANEL DOOR
8	E	1'-10"	6'-8"	1 3/8"	PTD	FG.	WD.			*3	*3	*3	2	INTERIOR WOOD HOLLOW CORE RAISED PANEL DOOR
9	H	5'-0"	6'-8"	1 3/8"	PTD	WD.	WD.			*3	*3	*3	4	INTERIOR WOOD HOLLOW CORE RAISED PANEL DOOR
10	J	4'-0"	6'-8"	1 3/8"	PTD	FG.	WD.			*3	*3	*3	4	INTERIOR WOOD HOLLOW CORE RAISED PANEL DOOR





DOOR LEGEND
1/4" = 1'-0"

DOOR HARDWARE SCHEDULE

SET 1 — UNIT EXTERIOR DOORS - ENTRY (ADA COMPLIANT)

QTY.	DESCRIPTION	MODEL
3	SPRING HINGES	STANLEY 2060R 4.5 X 4.5
1	PASSAGE LEVER	KWIKSET - SATIN NICKEL
1	FLOOR OR BASE STOP	
1	DOOR SWEEP	
1	SMOKE SEAL GASKETING	
1	THRESHOLD (ADA COMPLIANT)	
1	DEADBOLT	KWIKSET SMARTKEY 780
1	DOOR VIEWER	
	NOTE: TWO DOOR VIEWERS ARE REQUIRED FOR ACCESSIBLE UNITS	

SET 2 — UNIT INTERIOR DOORS - PASSAGE

QTY.	DESCRIPTION	MODEL
3	HINGES	STANLEY F179 3.5 X 3.5
1	PASSAGE LEVER	KWIKSET - SATIN NICKEL
1	FLOOR OR BASE STOP	

SET 3 — UNIT INTERIOR DOORS - PRIVACY

QTY.	DESCRIPTION	MODEL
3	HINGES	STANLEY F179 3.5 X 3.5
1	PRIVACY LEVER	KWIKSET - SATIN NICKEL
1	FLOOR OR BASE STOP	

SET 4 — UNIT INTERIOR DOORS - ROLLER LATCH

QTY.	DESCRIPTION	MODEL
6	HINGES	STANLEY F179 3.5 X 3.5
2	DUMMY LEVER	KWIKSET - SATIN NICKEL
2	BALL CATCH	
2	FLOOR OR BASE STOP	

SET 5 — UNIT INTERIOR DOORS - LIMITED ACCESS

QTY.	DESCRIPTION	MODEL
3	HINGES	STANLEY F179 3.5 X 3.5
1	FLOOR OR BASE STOP	
1	DEADBOLT	KWIKSET SMARTKEY 780

SET 6 — UNIT EXTERIOR DOORS - PATIO (ADA COMPLIANT)

QTY.	DESCRIPTION	MODEL
3	HINGES	STANLEY F179 3.5 X 3.5
1	PASSAGE LEVER	KWIKSET - SATIN NICKEL
1	FLOOR OR BASE STOP	INSWINGING LOCATIONS ONLY
1	WEATHERSTRIPPING	
1	DOOR SWEEP	
1	THRESHOLD (ADA COMPLIANT)	
1	DEADBOLT	KWIKSET SMARTKEY 780

SET 7 — UNIT EXTERIOR DOORS - GARAGE (ADA COMPLIANT)

QTY.	DESCRIPTION	MODEL
3	SPRING HINGES	STANLEY 2060R 4.5 X 4.5
1	PASSAGE LEVER	KWIKSET - SATIN NICKEL
1	SMOKE SEAL GASKETING	
1	DOOR SWEEP	
1	THRESHOLD (ADA COMPLIANT)	
1	DEADBOLT	KWIKSET SMARTKEY 780

SET 8 — UNIT EXTERIOR DOORS - GARAGE (ADA COMPLIANT)

QTY.	DESCRIPTION	MODEL
6	HINGES	STANLEY F179 3.5 X 3.5
2	DUMMY LEVER	KWIKSET - SATIN NICKEL
2	BALL CATCH	
2	FLOOR OR BASE STOP	

SET 9 — UNIT INTERIOR DOORS

QTY.	DESCRIPTION	MODEL
6	HINGES	STANLEY F179 3.5 X 3.5
2	BALL CATCH	
2	FLOOR OR BASE STOP	
1	DEADBOLT	
1	BARREL BOLT	

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SEAL

PROJECT TITLE

WEST FORK
WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
OFHA APPLICATION	09/25/23

REVISIONS

MARK	DESCRIPTION	DATE

DO NOT SCALE PRINTS - USE FIGURED DIMENSIONS ONLY

PROJECT NO.

22-018

SHEET TITLE

DOOR & WINDOWS SCHEDULE

SHEET NUMBER

A-600

T:\01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dr\7 CAD and Revit\BUIDLING 4BR6+2BR18+1BR12 - 9.13.23.rvt

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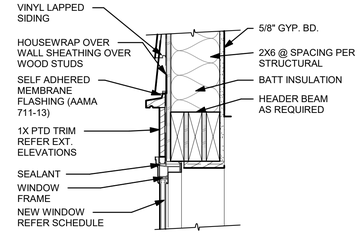
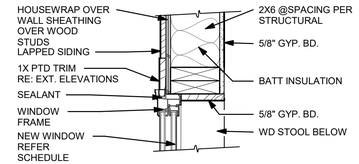
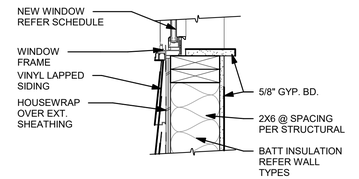


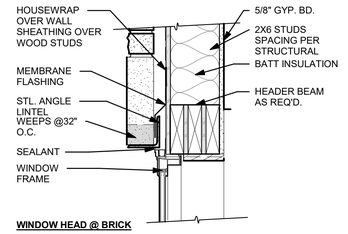
WINDOW HEAD @ SIDING



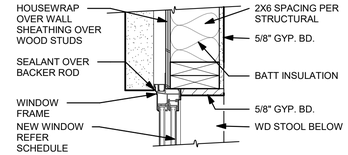
WINDOW JAMB @ LOWER SASH



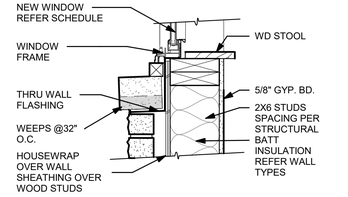
WINDOW SILL @ SIDING
EXTERIOR WINDOW HEAD, JAMB AND SILL DETAIL AT SIDING



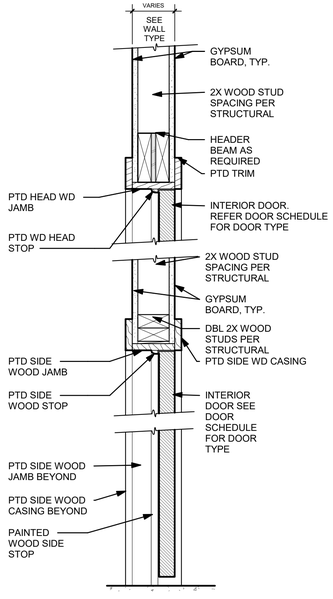
WINDOW HEAD @ BRICK



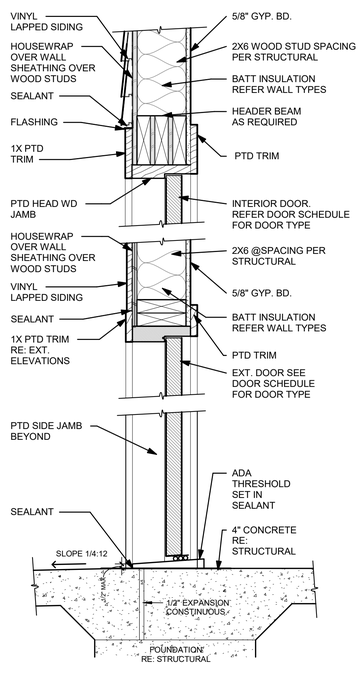
WINDOW JAMB @ STONE



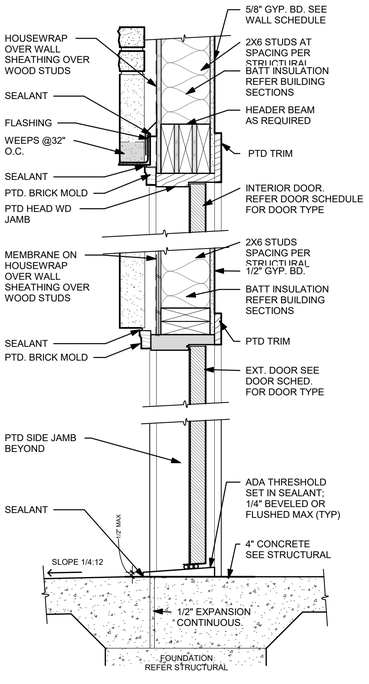
WINDOW SILL @ STONE
EXTERIOR WINDOW HEAD, JAMB AND SILL DETAIL AT STONE



3 DOOR
INTERIOR DOOR HEAD, JAMB AND SILL DETAIL



2 DOOR
EXTERIOR DOOR HEAD, JAMB AND SILL DETAIL AT SIDING



1 DOOR
EXTERIOR DOOR HEAD, JAMB AND SILL DETAIL AT STONE (SPRINKLER ROOM)

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SEAL

PROJECT TITLE

WEST FORK

WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
OFHA APPLICATION	09/25/23

REVISIONS

MARK	DESCRIPTION	DATE

DO NOT SCALE PRINTS - USE FIGURED DIMENSIONS ONLY

PROJECT NO.

22-018

SHEET TITLE

WINDOW & DOOR DETAILS

SHEET NUMBER

A-601

T:\01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dr\7 CAD and Revit\BUIDLING 4BR6+2BR18+1BR12 - 9.13.23.rvt
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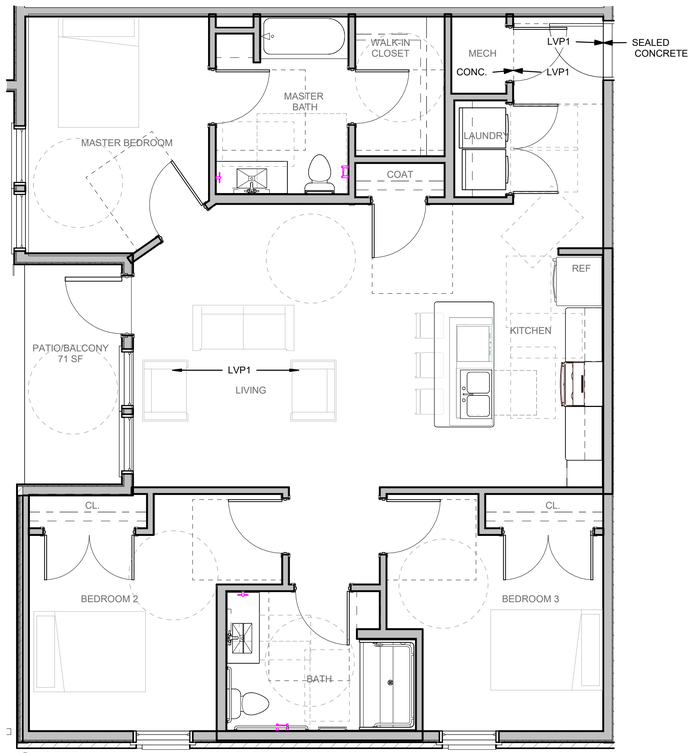
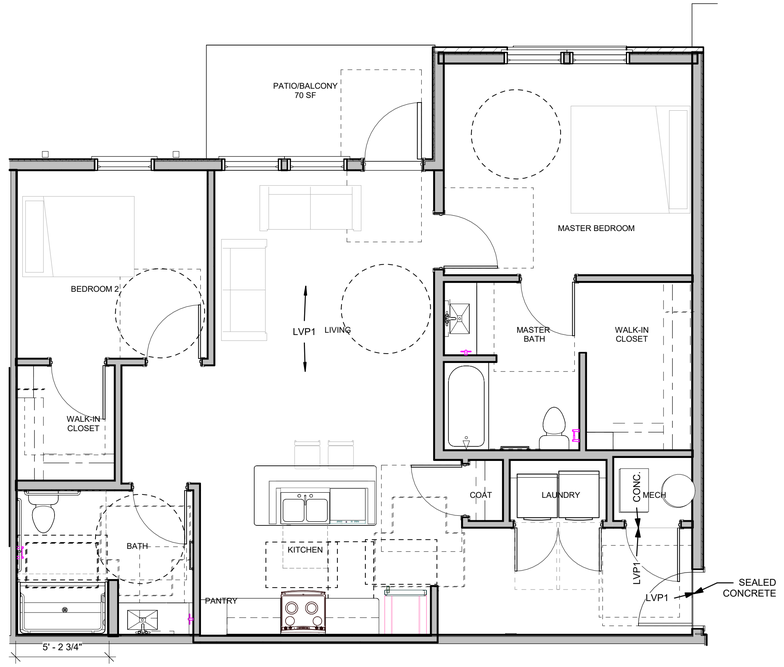
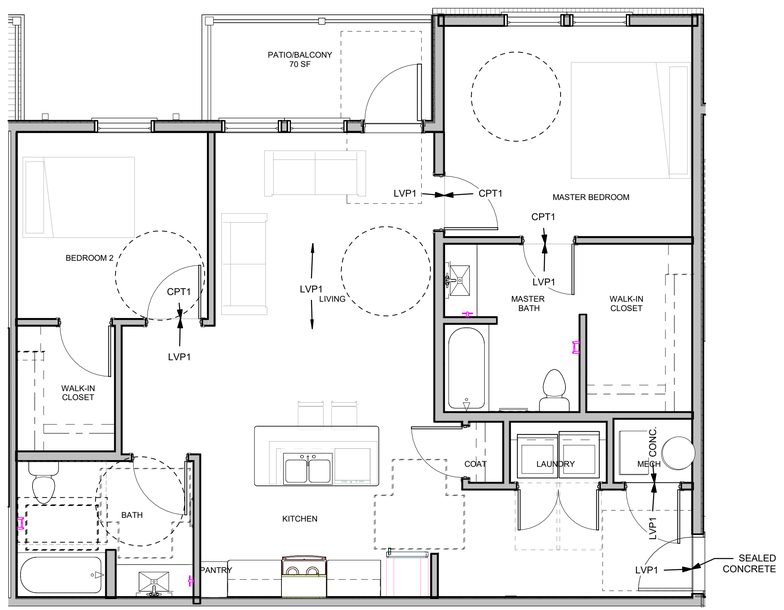


6 3 BEDROOM UNIT - ACCESSIBLE TYPE - FINISH PLAN
1/4" = 1'-0"

5 3 BEDROOM UNIT - STANDARD TYPE - FINISH PLAN
1/4" = 1'-0"



4 2 BEDROOM UNIT - ACCESSIBLE TYPE - FINISH PLAN
1/4" = 1'-0"



3 2 BEDROOM UNIT - STANDARD TYPE - FINISH PLAN
1/4" = 1'-0"

UNIT INTERIOR FINISH SCHEDULE-COLUMBUS, OH

8/9/2023

FLOOR COVERINGS

CARPET

CPT1	MFG:	ENGINEERED FLOORS
	TYPE:	BROADLOOM (NYLON)
	PATTERN:	HOME RUN E195
	COLOR:	SLATE 932
	PAD:	6 LB, ANTIMICROBIAL, WATER RESISTANT
	NOTE:	**BEDROOMS ONLY IN NON-ACCESSIBLE UNITS.**
		SOLUTION-DYED NYLON, ANTI-MICROBIAL
		BACKING

LUXURY VINYL PLANK

LVP2	MFG:	PATCRAFT (UNITS)
	SIZE:	6X48" 8 MIL
	PATTERN:	HOMEGRAIN I491V
	COLOR:	PARLOR 00730
	INSTALL:	STAGGERED
	NOTE:	**ACCESSIBLE UNITS SHALL BE LVP THROUGHOUT**

WALL BASE

WB1	MFG:	BIDDER PREFERENCE
	SIZE:	3-1/4"H
	STYLE:	UNIKID, COLONIAL WOOD BASE
	COLOR:	PRIMED, PAINTED P1
	NOTE:	ADD UM127, 7/16X11/16"H SHOE AT LVP

CABINET PULLS

HW1	MFG:	DESIGN HOUSE OR EQUAL
	STYLE:	DICAST ARCH PULL (LOOP)
	SIZE:	3"
	COLOR:	SATIN NICKEL
	NOTE:	**ALL CABINETS, ALL UNITS**

WALL FINISHES

PAINT

P1	MFG:	SHERWIN WILLIAMS (WALLS)
	TYPE:	PROMAR 400 ZERO VOC INTERIOR LATEX
	COLOR:	REPOSE GRAY SW7015
	FINISH:	FLAT
P2	MFG:	SHERWIN WILLIAMS (INTERIOR DOORS, BASE, TRIM)
	TYPE:	PROMAR 400 ZERO VOC INTERIOR LATEX
	COLOR:	WHITE DUCK SW 7010
	FINISH:	SEMI-GLOSS

CEILING FINISHES

PAINT

P3	MFG:	SHERWIN WILLIAMS
	TYPE:	PROMAR 400 ZERO VOC INTERIOR LATEX
	COLOR:	WHITE DUCK SW7010
	FINISH:	FLAT

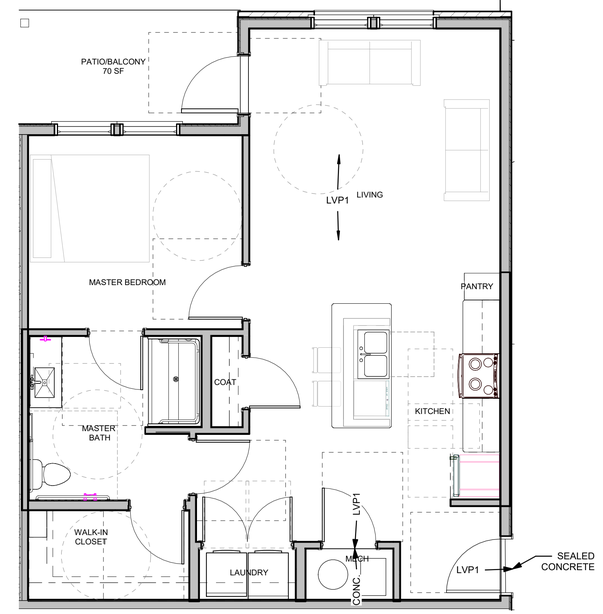
CASEWORK FINISHES

PLASTIC LAMINATE

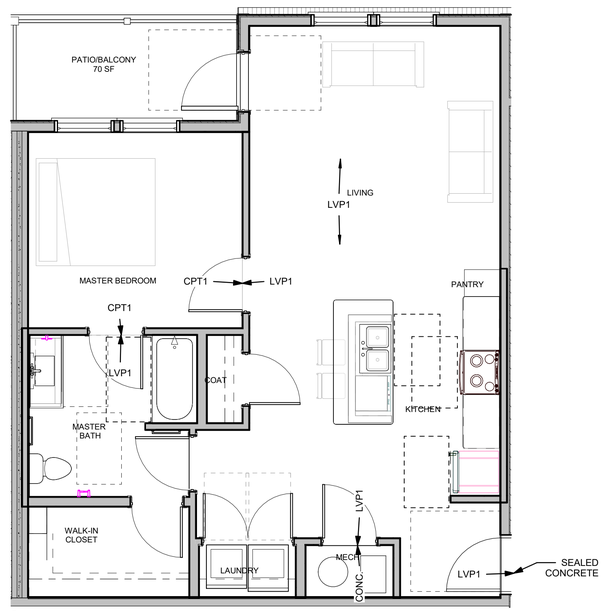
HPL1	MFG:	WILSONART (STANDARD)
	COLOR:	WHITE JUPARANA 4931-3
	EDGE:	WATERFALL, RADIUS CORNERS

CABINET

CB1	MFG:	ARISTOKRAFT
	STYLE:	OAKLAND (PLYWOOD) - 30" UPPERS
	COLOR:	UMBER
	NOTE:	**MEET ANSI A161.1 AND SOLID WOOD**
		DOORS/FRONTS, WOOD STILE W/PLYWOOD
		PANEL, PLYWOOD FRAME
		ALL CABINETS SHALL HAVE HARDWARE PULLS



2 1 BEDROOM UNIT - ACCESSIBLE TYPE - FINISH PLAN
1/4" = 1'-0"



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SEAL

PROJECT TITLE

WEST FORK

WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
OFHA APPLICATION	09/25/23

REVISIONS

MARK	DESCRIPTION	DATE

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PROJECT NO.

22-018

SHEET TITLE

FINISH PLANS - SCHEDULE

SHEET NUMBER

A-602

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UNIT INTERIOR FINISH SCHEDULE-COLUMBUS, OH

8/9/2023

FLOOR COVERINGS

CARPET

CPT1	MFG:	ENGINEERED FLOORS	
	TYPE:		BROADLOOM (NYLON)
	PATTERN:		HOME RUN E195
	COLOR:		SLATE 932
	PAD:		6 LB, ANTIMICROBIAL, WATER RESISTANT
	NOTE:		**BEDROOMS ONLY IN NON-ACCESSIBLE UNITS. SOLUTION-DYED NYLON, ANTI-MICROBIAL BACKING**

LUXURY VINYL PLANK

LVP2	MFG:	PATCRAFT (UNITS)
	SIZE:	6X48" 8 MIL
	PATTERN:	HOMEGRAIN I491V
	COLOR:	PARLOR (8730
	INSTALL:	STAGGERED
	NOTE:	**ACCESSIBLE UNITS SHALL BE LVP THROUGHOUT**

WALL BASE

WB1	MFG:	BIDDER PREFERENCE
	SIZE:	3-1/4"H
	STYLE:	UNMILL COLONIAL WOOD BASE
	COLOR:	PRIMED, PAINTED P1
	NOTE:	ADD UM127, 7/16X11/16"H SHOE AT LVP

CABINET PULLS

HW1	MFG:	DESIGN HOUSE OR EQUAL
	STYLE:	DICAST ARCH PULL (LOOP)
	SIZE:	3"
	COLOR:	SATIN NICKEL
	NOTE:	**ALL CABINETS, ALL UNITS**

WALL FINISHES

PAINT

P1	MFG:	SHERWIN WILLIAMS (WALLS)
	TYPE:	PROMAR 400 ZERO VOC INTERIOR LATEX
	COLOR:	REPOSE GRAY SW7015
	FINISH:	FLAT
P2	MFG:	SHERWIN WILLIAMS (INTERIOR DOORS, BASE, TRIM)
	TYPE:	PROMAR 400 ZERO VOC INTERIOR LATEX
	COLOR:	WHITE DUCK SW 7010
	FINISH:	SEMI-GLOSS

CEILING FINISHES

PAINT

P3	MFG:	SHERWIN WILLIAMS
	TYPE:	PROMAR 400 ZERO VOC INTERIOR LATEX
	COLOR:	WHITE DUCK SW7010
	FINISH:	FLAT

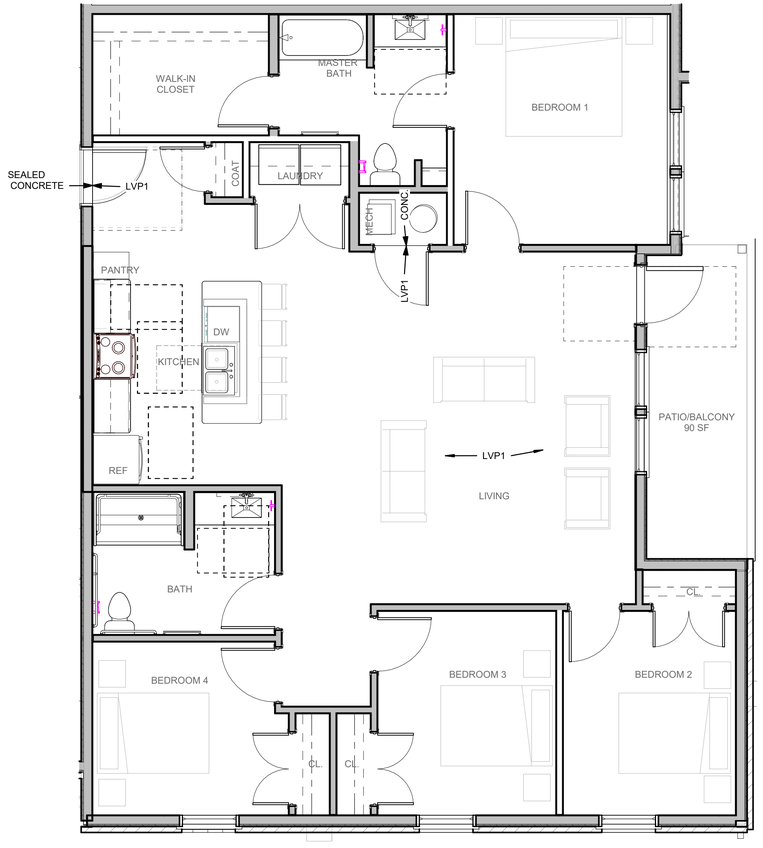
CASEWORK FINISHES

PLASTIC LAMINATE

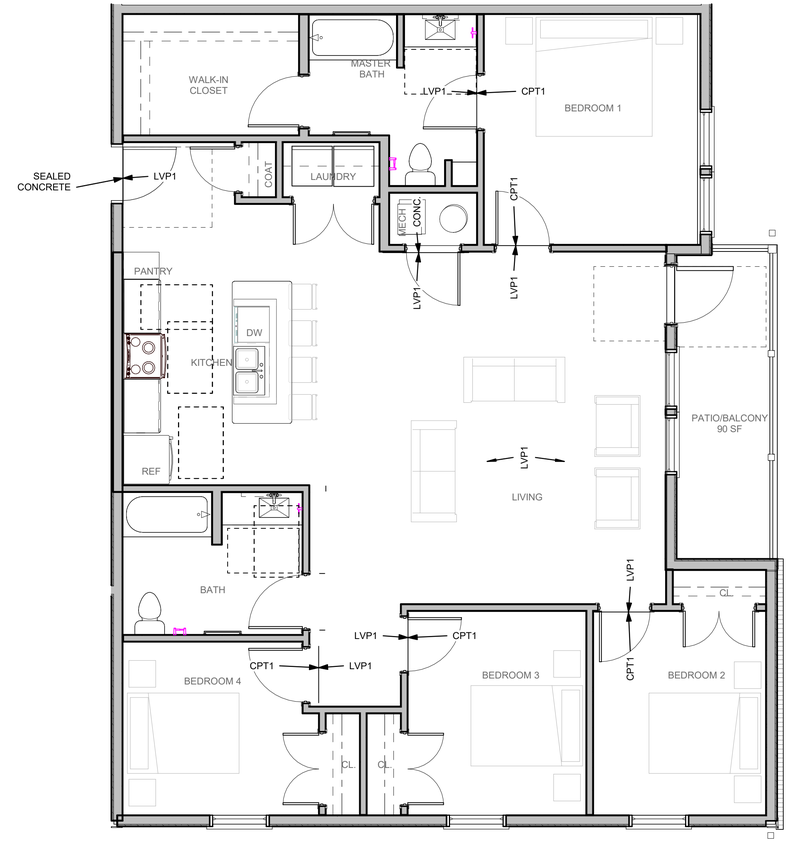
HPL1	MFG:	WILSONART (STANDARD)
	COLOR:	WHITE JUPARANA 4931-3
	EDGE:	WATERFALL, RADIUS CORNERS

CABINET

CB1	MFG:	ARISTOKRAFT
	STYLE:	OAKLAND (PLYWOOD) - 30" UPPERS
	COLOR:	UMBER
	NOTE:	**MEET ANSI A161.1 AND SOLID WOOD DOORS/FRONTS, WOOD STILE W/PLYWOOD PANEL, PLYWOOD FRAME ALL CABINETS SHALL HAVE HARDWARE PULLS**



2 4 BEDROOM UNIT - ACCESSIBLE TYPE - FINISH PLAN
1/4" = 1'-0"



1 4 BEDROOM UNIT - STANDARD TYPE - FINISH PLAN
1/4" = 1'-0"

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SEAL

PROJECT TITLE

WEST FORK

WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
OFHA APPLICATION	09/25/23

REVISIONS

MARK	DESCRIPTION	DATE

DO NOT SCALE PRINTS - USE FIGURED DIMENSIONS ONLY

PROJECT NO.

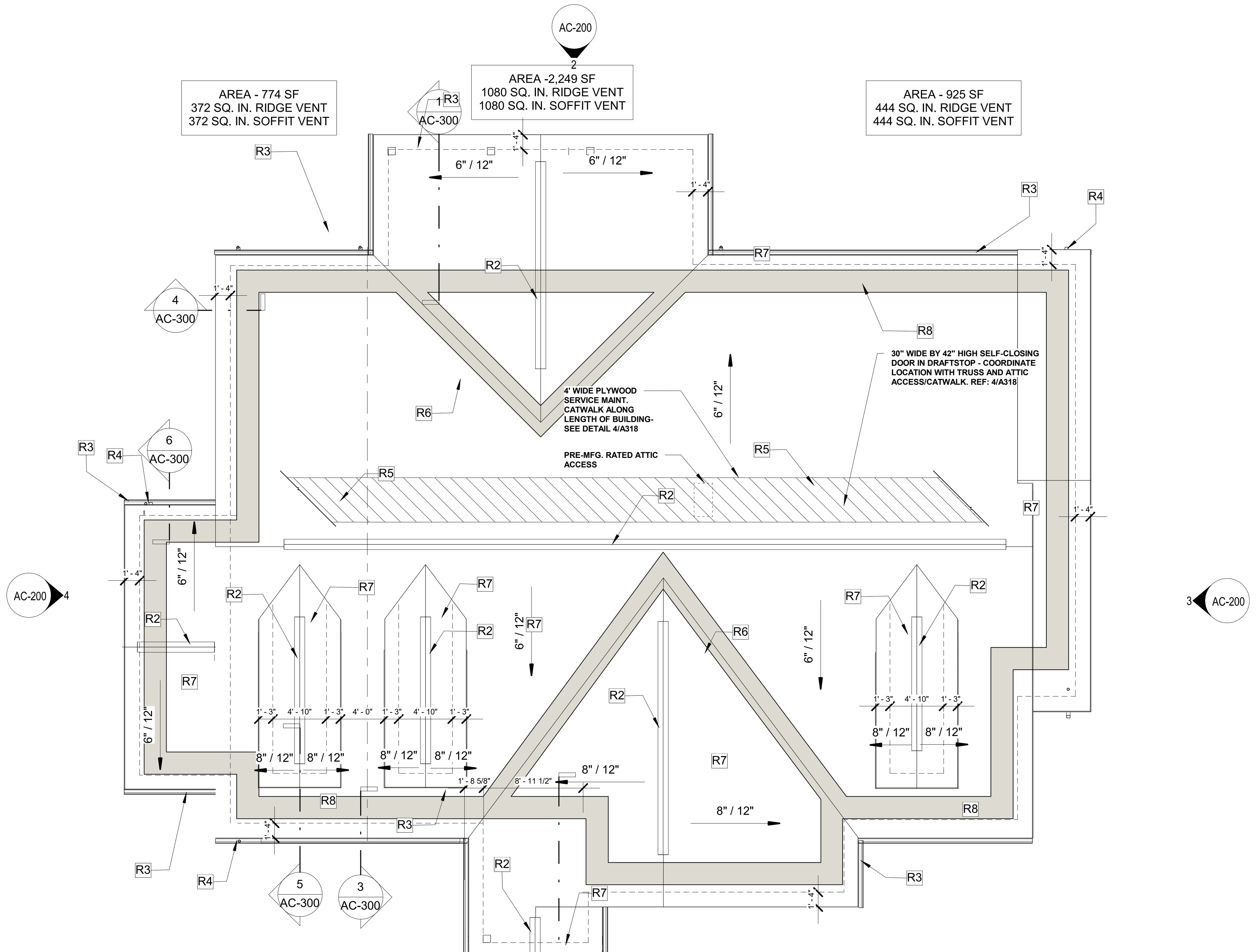
22-018

SHEET TITLE

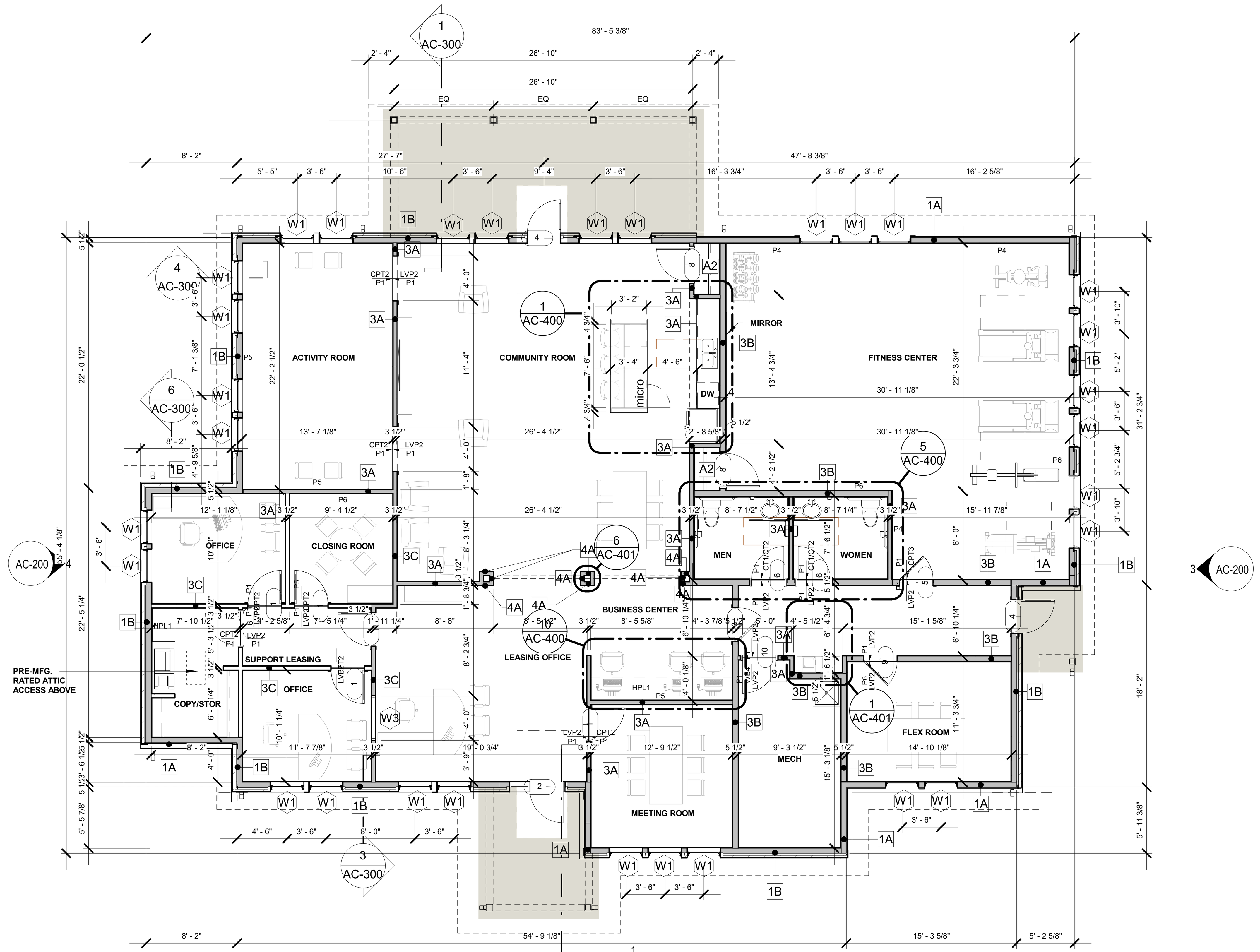
FINISH PLANS - SCHEDULE

SHEET NUMBER

A-603



2 CLUBHOUSE - ROOF PLAN
1/8" = 1'-0"



1 FIRST FLOOR PLAN AND FINISH PLAN
1/8" = 1'-0"

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KEYNOTE LEGEND	
KEYNOTE	KEYNOTE TEXT
A2	(5) 16" SHELVES, SEE 6/A.310
R2	RIDGE VENT
R3	ALUMINUM GUTTER
R4	DOWNSPOUTS
R5	ATTIC DRAFTSTOP - 5/8" GYPSUM WALLBOARD ON ONE SIDE OF ROOF TRUSS
R6	FIRE TREATED OSB 4' EITHER SIDE
R7	DASHED LINE INDICATES EXTERIOR WALLS BELOW
R8	HATCH INDICATES ICE SHIELD BARRIER 24" FROM EXTERIOR WALL FACE

ARCHITECTURAL GENERAL NOTES

1. CONFORM ALL CONSTRUCTION TO ALL APPLICABLE CODES IN FORCE WITHIN THE JURISDICTION OF THE PROJECT. IF ANY SUCH RULES AND/OR REGULATIONS ARE IN CONFLICT WITH ANY PORTION OF THESE DOCUMENTS, THE CONSTRUCTION MANAGER SHALL BE INFORMED PRIOR TO PROCEEDING.
2. ALL INTERIOR BUILDING FINISHES SHALL CONFORM TO ALL APPLICABLE CODES IN FORCE WITHIN THE JURISDICTION OF THE PROJECT.
3. THE SUB-CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND JOB CONDITIONS PRIOR TO COMMENCING WORK AND SHALL REPORT TO THE GENERAL CONTRACTOR ANY DISCREPANCIES OR OMISSIONS WHICH WOULD INTERFERE WITH SATISFACTORY COMPLETION OF THE WORK.
4. ANY AND ALL PENETRATIONS SHALL BE SEALED (WITH SEALANT) TO PREVENT ANY TYPE OF ENERGY LOSS.
5. VERIFY ALL EXISTING CONDITIONS PRIOR TO START OF CONSTRUCTION. NOTIFY THE CONTRACT MANAGER IMMEDIATELY OF ANY CONFLICTS PRIOR TO PROCEEDING WITH WORK.
6. THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL APPLICABLE DIMENSIONS OF FIXTURES AND EQUIPMENT SUPPLIED AND/OR INSTALLED BY OTHERS.
7. THE POSTING OF AN OFFICIAL DESIGN RELEASE PLACARD AND THE MAINTENANCE OF ONE SET OF STATE-STAMPED PLANS AND SPECIFICATIONS ON THE JOB SITE ARE REQUIRED.
8. THE SUB-CONTRACTOR SHALL FILE ALL DRAWNGS FOR PERMIT APPLICATION OR OTHER MATERIALS REQUIRED TO SECURE ANY AND ALL BUILDING PERMITS AS MIGHT BE REQUIRED BY ANY LOCAL ORDINANCES TO PERFORM THIS WORK.
9. THE DRAWINGS SHALL NOT BE SCALED. FOR INFORMATION CONCERNING EXITING, PARTITIONS, ETC, VERIFICATIONS SHALL BE PERFORMED IN THE FIELD.
10. THE USE OF THE WORDS 'PROVIDE" OR "PROVIDED" IN CONNECTION WITH ANY ITEM SPECIFIED IS INTENDED TO MEAN, UNLESS OTHERWISE NOTED, THAT SUCH SHALL BE FURNISHED AND INSTALLED, AND CONNECTED WHERE SO REQUIRED.
11. UPON COMPLETION OF PROJECT, OBTAIN ALL FINAL INSPECTIONS AS REQUIRED BY LOCAL JURISDICTIONS AND FURNISH OWNER WITH EVIDENCE OF ALL SUCH INSPECTIONS AND CERTIFICATES OF OCCUPANCY.
12. UPON COMPLETION OF PROJECT, PROVIDE OWNER WITH ALL INSTRUCTION MANUALS, WARRANTIES, OR OTHER DOCUMENTS REQUIRED FOR OPERATION OR MAINTENANCE OF ANY ITEM IN THE CONTRACTORS' WORK.
13. THESE CONSTRUCTION NOTES AND/OR DRAWINGS ARE SUPPLIED TO ILLUSTRATE THE DESIGN AND GENERAL TYPE OF CONSTRUCTION DESIRED AND ARE INTENDED TO IMPLY THE FINEST QUALITY OF CONSTRUCTION MATERIAL AND WORKMANSHIP THROUGHOUT.
14. THE GENERAL CONTRACTOR SHALL MAINTAIN A CURRENT AND COMPLETE SET OF CONSTRUCTION DOCUMENTS AT THE SITE DURING ALL PHASES OF CONSTRUCTION FOR USE BY ALL TRADES.
15. ALL MEANS OF EGRESS AND FIRE PROTECTION SHALL BE MAINTAINED AT ALL TIMES. ANY SHUT DOWN OF LIFE SAFETY OR BUIUDING SYSTEMS SHALL BE APPROVED AND COORDINATED IN ADVANCE WITH THE OWNER AND LOCAL BUILDING DEPARTMENT.
16. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECTIMMEDIATELY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL DRAWINGS AND SPECIFICATIONS PRIOR TO BEGINNING WORK AND/OR PLACING ORDERS.
17. SECTIONS INDICATED AS TYPICAL MAY NOT BE INDICATED ON PLAN SHEETS. IT IS THE CONTRACTORS RESPONSIBILITY TO USE TYPICAL SECTIONS WHERE REQUIRED.
18. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY BRACING AND/OR SHORING UNTIL THE PERMANENT BRACING IS IN PLACE.
19. ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. SEE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION REGARDING THE SIZE AND QUANTITY OF OPENINGS, SLAB REQUIREMENTS AND LINTELS.
20. THESE DRAWINGS ARE NOT TO BE SEPERATED.
21. ALL DIMENSIONS ARE TO FACE OF FRAMING UN LESS NOTED OTHERWISE.
22. REFER TO SITE PLAN FOR LOCATION OF ACCESSIBLE AND AV UNITS.
23. ALL FIRST FLOOR UNITS ARE ADAPTABLE.

COMMON AREA INTERIOR FINISH SCHEDULE- COLUMBUS, OH							
	TAG	TYPE	MANUFACTURER	STYLE	COLOR	INSTALLATION	NOTES
WALLS	P1	PAINT	SHERWIN WILLIAMS	FLAT	REPOSE GRAY SW7015		
	P2	PAINT	SHERWIN WILLIAMS	SEMI-GLOSS	WHITE DUCK SW7010		INTERIOR DOORS/TRIM
	P3	PAINT	SHERWIN WILLIAMS	FLAT	WHITE DUCK SW7010		MAINT./SERVICE AREAS/CEILING
	P4	PAINT	SHERWIN WILLIAMS	FLAT	TIN LIZZIE SW9163		
	P5	PAINT	SHERWIN WILLIAMS	FLAT	CYPERSPACE SW7076		
	P6	PAINT	SHERWIN WILLIAMS	FLAT	HALCYON GREEN SW6213		
	CT2	CERAMIC TILE	EMSER TILE	CATCH 6X18"	ICE GLOSSY	BRICKWORK (SUBWAY) GROUT: 1/16", LATICRETE #89 SMOKE GREY	CLUBHOUSE RESTROOM WALLS CONTINUE TO FLOOR
CASEWORK	CB1	CABINET	KOUNTRY WOOD	HARMONY	LAVA		30"H UPPERS
	HW1	CABINET HARDWARE	BIDDER PREFERENCE	BAR PULL	SATIN NICKEL	ALL CABINETS	3-1/2" (89mm) PULL
	HPL1	LAMINATE	WILSONART	STANDARD	WHITE JUPARANA 4931-38		WATERFALL EDGE
FLOORING	CPT2	CARPET	PATCRAFT	REBALANCE I0500	HILLTOP 00760	MONOLITHIC	LEASING
	CPT3	CARPET	PATCRAFT	TRANSVERSE I0520	STANCHION 00720	QUARTER TURN	FITNESS ROOM
	LVP2	VINYL PLANK	PATCRAFT	HOMGRAIN I1490V	NOOK 00150	STAGGERED	12 MIL
	SC1	BRUSHED CONCRETE	BIDDER PREFERENCE	N/A	CLEAR	SEALED	
	CT1	CERAMIC TILE	EMSER TILE	CASSERO II 12X24"	GREY	THIRD OVERLAY GROUT: 3/16", LATICRETE #89 SMOKE GREY	CLUBHOUSE RESTROOM FLOOR
	WB1	WOOD BASE	BIDDER PREFERENCE	3-1/4"H COLONIAL PINE	PRIMED, PAINTED P2		ADD 3/4"H SHOE AT LVP
	WB2	VINYL 4" BASE	PATCRAFT	S127V	WARM GREY 00525		4"H COVE

ALL CLUBHOUSE CABINETS TO HAVE HARDWARE PULLS

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SEAL

PROJECT TITLE

WEST FORK
WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
OFHA APPLICATION	09/25/23

REVISIONS

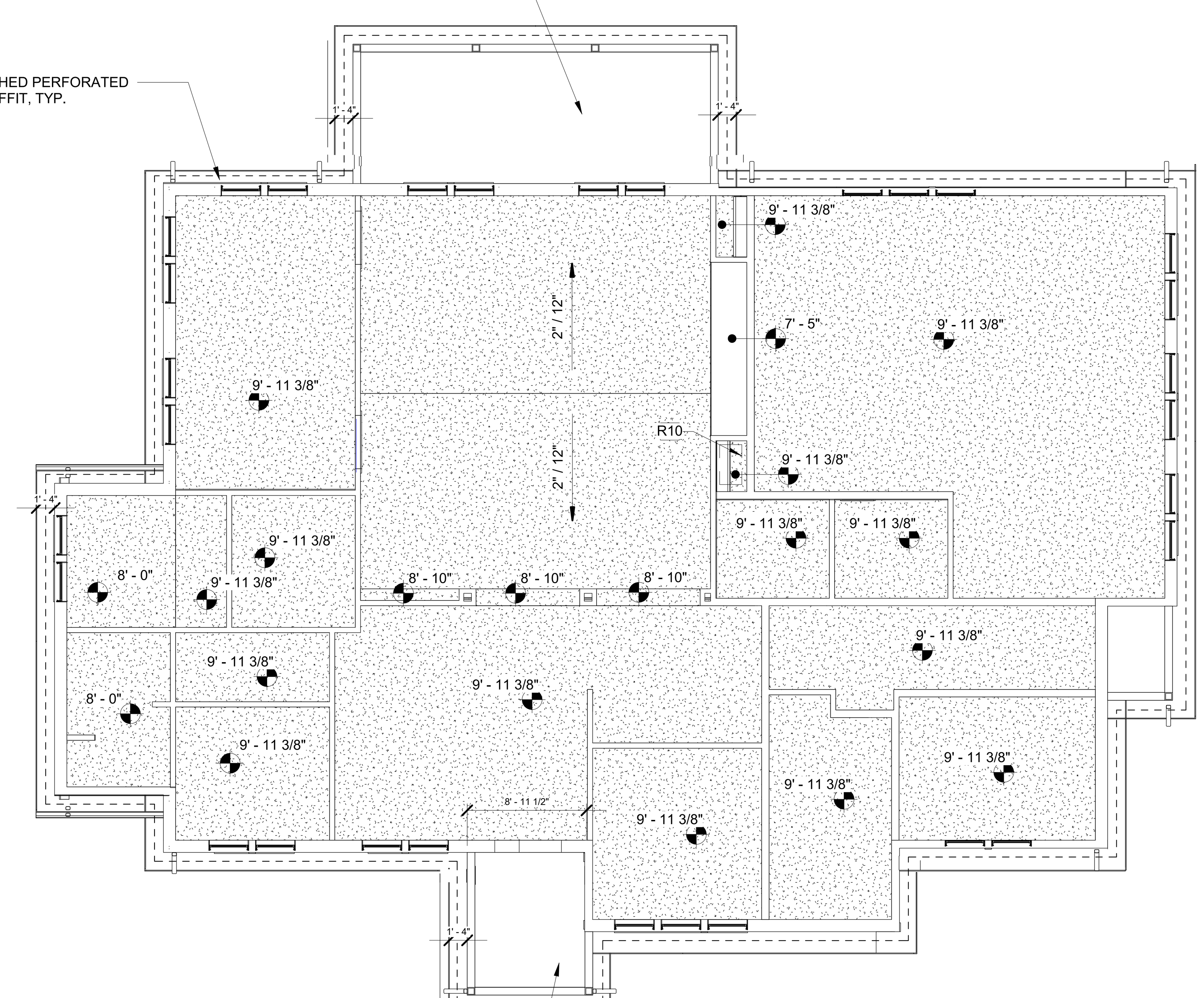
MARK	DESCRIPTION	DATE

DO NOT SCALE PRINTS - USE FIGURED DIMENSIONS ONLY

PROJECT NO.
22-018

SHEET TITLE
CLUBHOUSE FLOOR PLAN & ROOF PLAN

SHEET NUMBER
AC-100



2 CLUBHOUSE - REFLECTED CEILING PLAN
1/8" = 1'-0"

ROOF NOTES

1. USE SOLID BAFFLES AT EAVES.
2. INSTALL BLOCKING OR ANOTHER SOLID AIR BARRIER BETWEEN PORCH ROOFS AND CONDITIONED SPACES.
3. ATTIC ACCESS PANELS TO BE WEATHERSTRIPPED AROUND ITS PERIMETER AND PANEL TO BE INSULATED TO THE SAME LEVEL AS THE CEILING, CUT INSULATION BOARD TO FIT AND GLUED TO PANEL.
4. INSTALL INSULATION AND ROOFING MATERIALS INCLUDING ALL FLASHING, FASTENERS, ADHESIVES, TAPES, CEMENTS, SEALANTS, ETC. IN ACCORDANCE WITH MANUFACTUER'S INSTRUCTIONS AND RECOMMENDATIONS.
5. DURING CONSTRUCTION ALL MATERIALS ARE TO BE PROTECTED FROM WEATHER AT ALL TIMES.
6. REFER TO MECHANICAL AND STRUCTURAL DRAWINGS FOR EXACT MECHANICAL UNIT PLACEMENT AND EXHAUST FAN/VENT LOCATIONS WHERE APPLICABLE.
7. VERIFY LOCATIONS AND QUANTITY OF ALL ROOF PENETRATIONS. I.E. EXHAUST FANS, EXHAUST VENTS AND SANITARY VENTS WITH ALL DRAWINGS PRIOR TO ROOF INSTALLATION. NOTIFY ARCHITECT OF ANY DISCREPANCIES.
8. OVERALL ROOF DIMENSIONS ARE FOR ESTIMATION PURPOSES ONLY, VERIFY OVERHANG DIMENSIONS WITH WALL SECTIONS.

FRAMING NOTES

1. SUBCONTRACTORS TO USE THE SMALLEST PENETRATIONS POSSIBLE AND TO SEAL ALL PENETRATIONS THROUGH EXTERIOR AND PARTY WALLS, AND THROUGH ALL FLOORS AND CEILINGS USING A SPRAY FOAM, MASTIC OR CAULK, TO INCLUDE BUT NOT LIMITED TO PLUMBING, ELECTRICAL, DUCTS, SHAFTS AND LIGHT FIXTURES. USE FIRE RATED CAULK AND/OR COLLARS WHERE NECESSARY TO MAINTAIN FIRE RATING
2. CAULK PERIMETER AND PARTY WALL SILL AND TOP PLATES TO PREVENT AIR LEAKAGE.
3. SEAL AIR GAPS IN EXTERIOR WALLS AND FLOOR FRAMING PRIOR TO INSTALL OF INSULATION.

INSULATION NOTES

1. SEE SPEC FOR TYPE AND ADDITIONAL INFORMATION.
2. INSULATION TO BE INSTALLED TO GRADE I STANDARDS PER ENERGY STAR WITH NO GAPS, VOIDS OR COMPRESSION.
3. INSULATION IS TO BE SPLIT AND INSTALLED AROUND PIPES AND ELECTRICAL WIRING, AVOID COMPRESSING INSULATION.
4. ROOF INSULATION SHALL NOT BE COMPRESSED AFTER INSTALLATION. RULERS ARE TO BE USED AND ADDITIONAL INSULATION IS TO BE ADDED IF R-VALUE DECREASES BEFORE END OF CONSTRUCTION.
5. CAULK PREIMETER BEHIND DRYWALL AT EXTERIOR BOUNDARY CONDITIONS AND ALL PARTY WALLS.

KEYNOTE LEGEND

KEYNOTE	KEYNOTE TEXT
R10	ATTIC ACCESS PANEL

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SEAL

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PROJECT NO.
22-018

SHEET TITLE
CLUBHOUSE REFLECTED CEILING PLAN

SHEET NUMBER
AC-101

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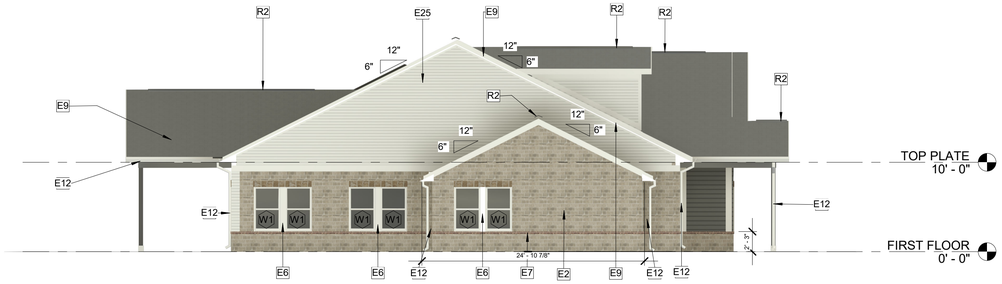
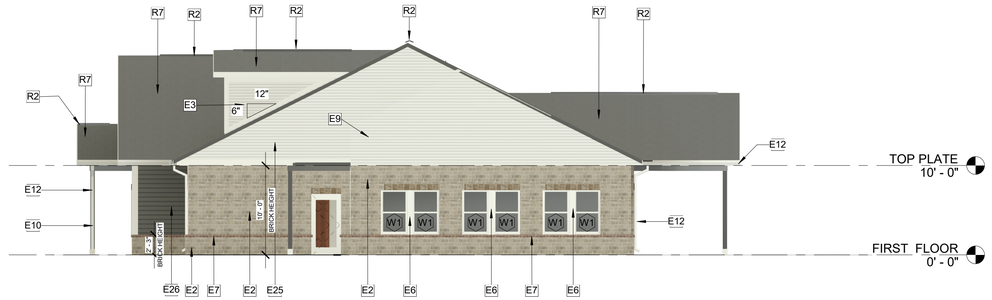
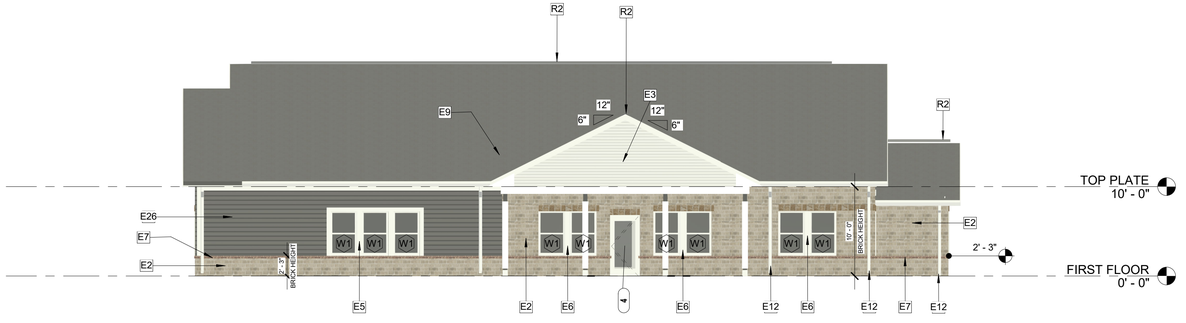


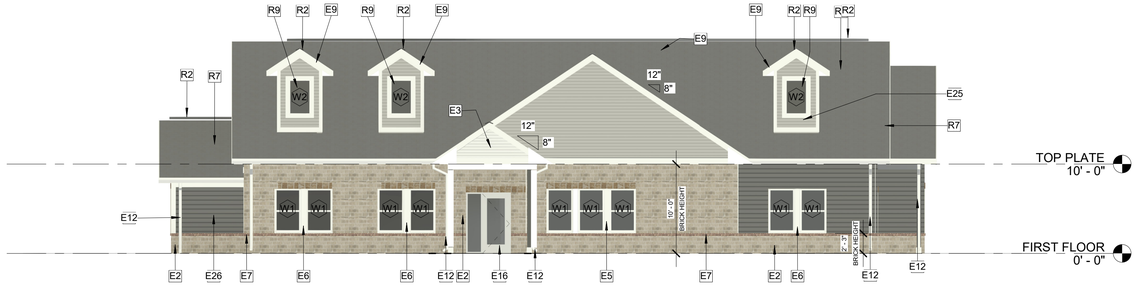
4 LEFT ELEVATION
1/8" = 1'-0"



3 RIGHT ELEVATION
1/8" = 1'-0"



2 BACK ELEVATION
1/8" = 1'-0"



1 FRONT ELEVATION
1/8" = 1'-0"

KEYNOTE LEGEND	
KEYNOTE	**KEYNOTE TEXT**
E2	BRICK
E3	VINYL BOARD AND BATTER SIDING- WHITE COLOR"
E5	VINYL WINDOWS - SEE WINDOW SCHEDULE
E6	TRIM BETWEEN WINDOWS - TYP.
E7	BRICK ROWLOCK
E9	FASCIA BAND BD. AT BRICK / SMART TRIM TRANSITION AND CORNERS
E10	6X6 REAL POST COLUMN, PAINTED - ALL PORCHES AND BALCONIES
E12	6" ALUMINUM GUTTER & DOWNSPOUTS, PRE-FINISHED
E16	2 PANEL DOOR (THROUGHOUT)
E25	VINYL LAP SIDING - LIGHT COLOR
E26	VINYL LAP SIDING - DARK COLOR
R2	RIDGE VENT
R7	DASHED LINE INDICATES EXTERIOR WALLS BELOW
R9	FALSE DORMERS WITH BLACK OUT WINDOWS

BUILDING EXTERIOR MATERIAL PERCENTAGE BREAKDOWN:

BRICK VENEER = 25%

SIDING = 75%

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PROJECT NO.

22-018

SHEET TITLE

CLUBHOUSE EXTERIOR ELEVATIONS

SHEET NUMBER

AC-200

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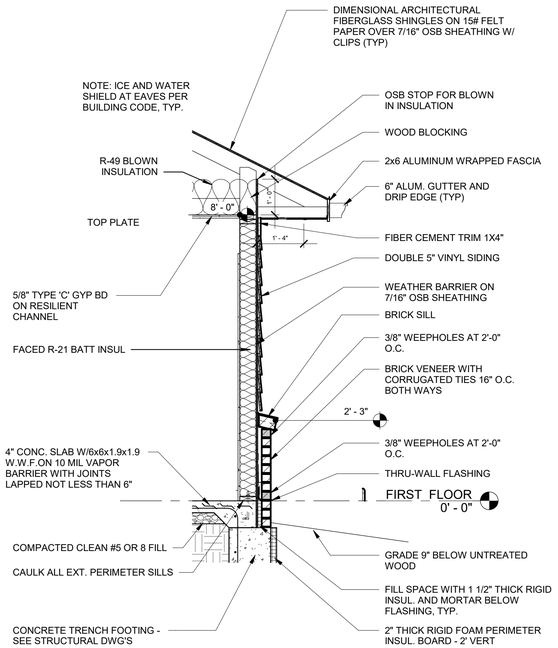
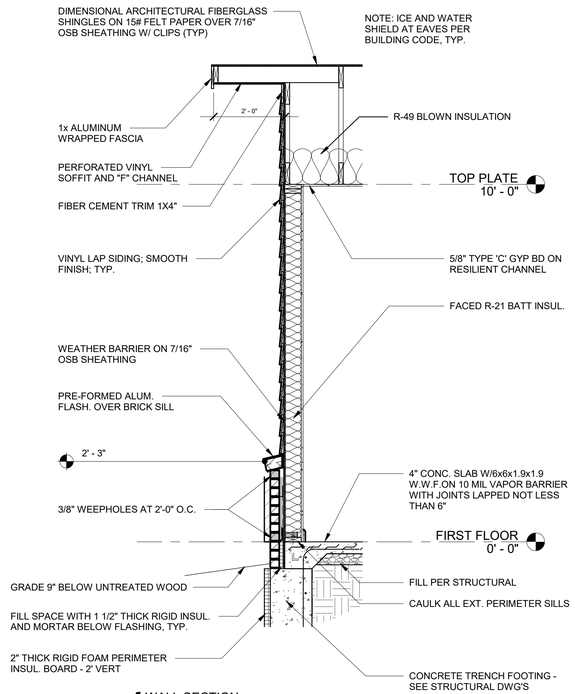
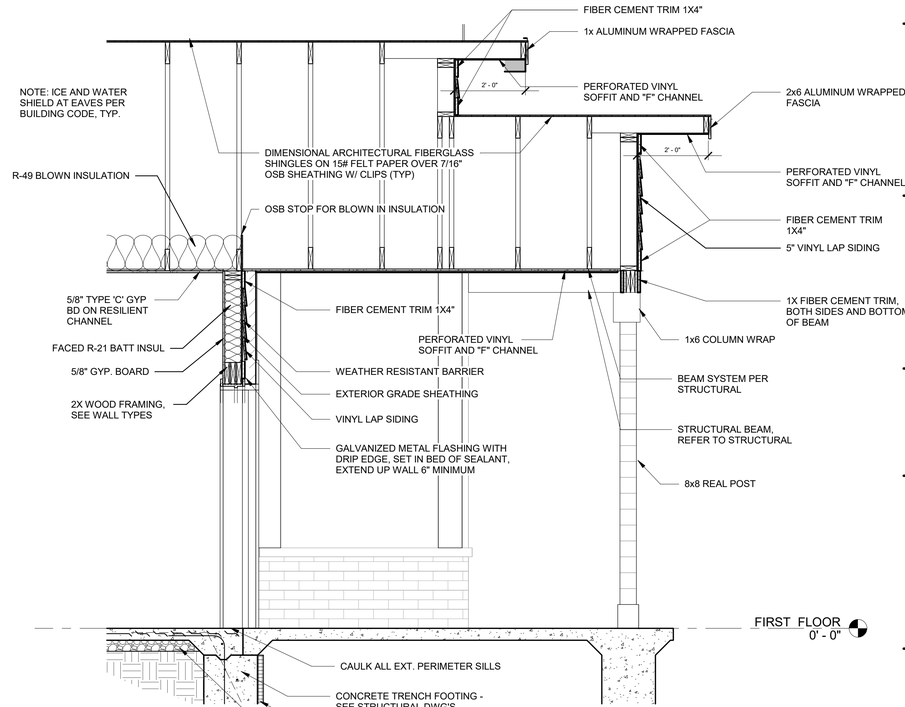


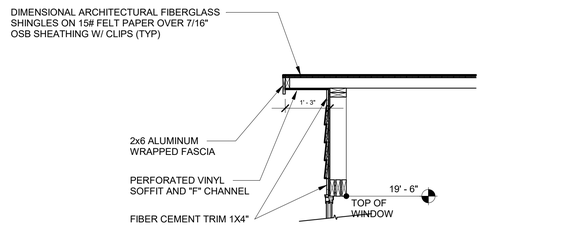
6 WALL SECTION
1/2" = 1'-0"

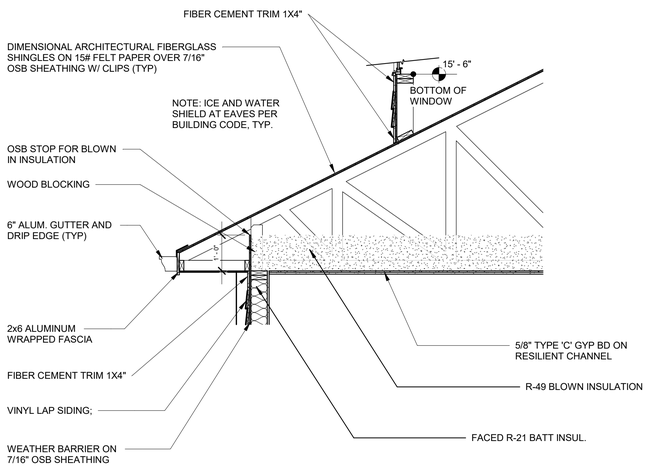


4 WALL SECTION
1/2" = 1'-0"

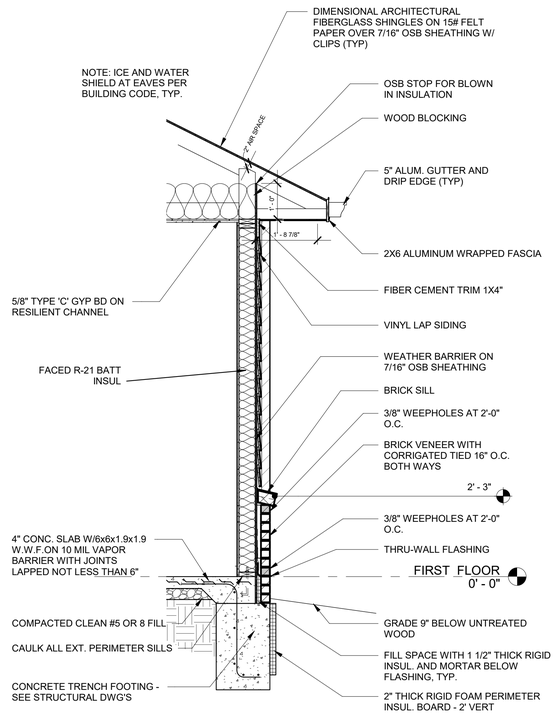


2 WALL SECTION
1/2" = 1'-0"

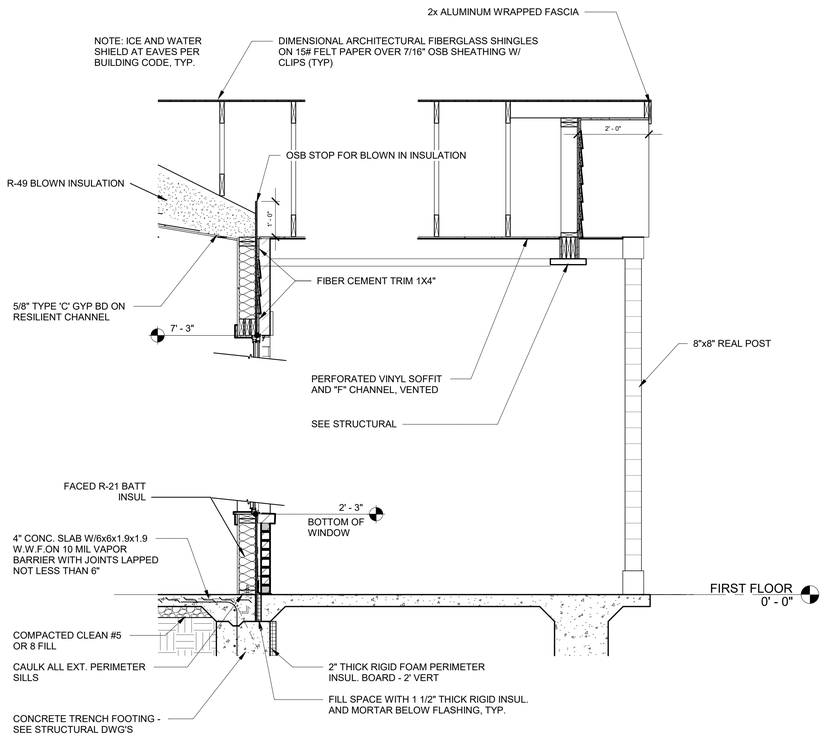




5 WALL SECTION
1/2" = 1'-0"



3 WALL SECTION
1/2" = 1'-0"



1 WALL SECTION
1/2" = 1'-0"

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22-018

SHEET TITLE
CLUBHOUSE WALL SECTIONS

SHEET NUMBER
AC-300

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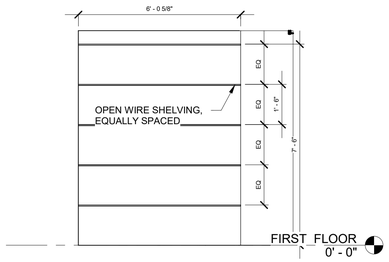
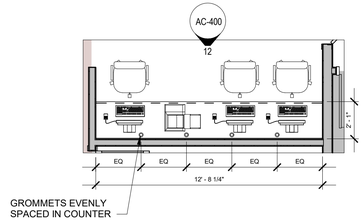
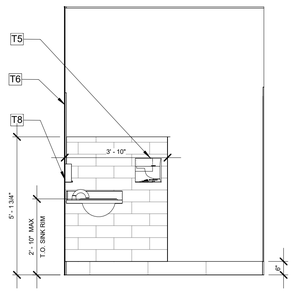


14 INTERIOR ELEVATION - COPY ROOM 2
3/8" = 1'-0"

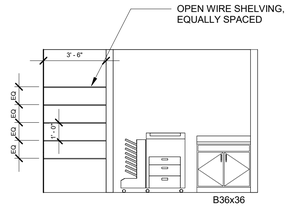


10 ENLARGED PLAN - COMPUTER AREA
1/4" = 1'-0"

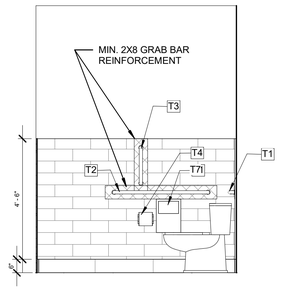


7 INTERIOR ELEVATION - RESTROOM
3/8" = 1'-0"

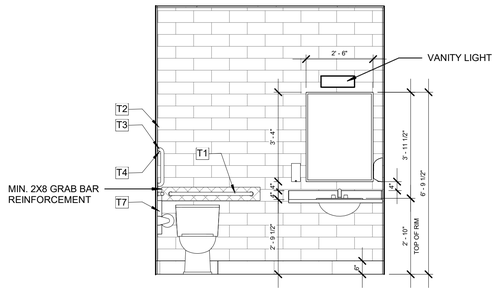
KEYNOTE LEGEND	
KEYNOTE	**KEYNOTE TEXT**
A1	LAUNDRY SHELF 12"D AT 5'-6" AFF TYP. .48" AFF ACC. UNITS
T1	36" GRAB BAR - MOUNT AT +33" A.F.F.
T2	42" GRAB BAR - MOUNT AT +33" A.F.F. TO BOTTOM
T3	18" VERTICAL GRAB BAR - MOUNT AT +40 A.F.F. TO BOTTOM
T4	TOILET TISSUE DISPENSER - MOUNT BOTTOM AT +15 A.F.F.
T5	ELECTRIC HAND DRYER.
T6	WALL MIRROR - 48" HIGH BY WIDTH OF COUNTER - MOUNT BOTTOM AT TOP OF BACKSPLASH
T8	SOAP DISPENSER - BOTTOM AT 4" ABOVE FIXTURE



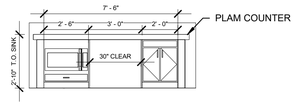
13 INTERIOR ELEVATION - COPY ROOM 1
1/4" = 1'-0"



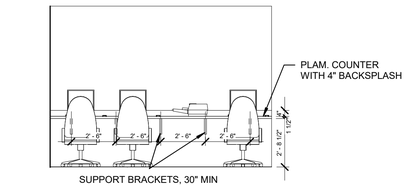
9 INTERIOR ELEVATION - RESTROOM
3/8" = 1'-0"



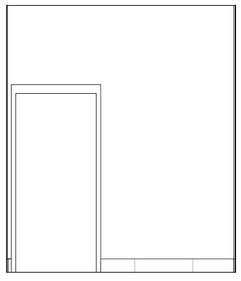
6 INTERIOR ELEVATION - RESTROOM
3/8" = 1'-0"



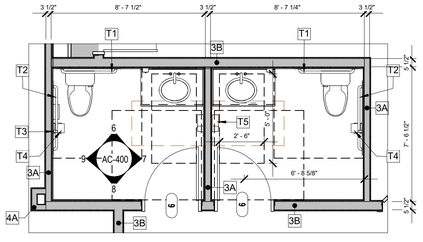
3 INTERIOR ELEVATION - KITCHEN ISLAND 1
1/4" = 1'-0"



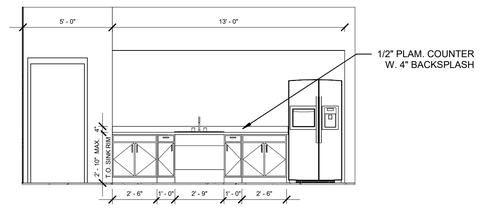
12 INTERIOR ELEVATION - COMPUTER AREA
1/4" = 1'-0"



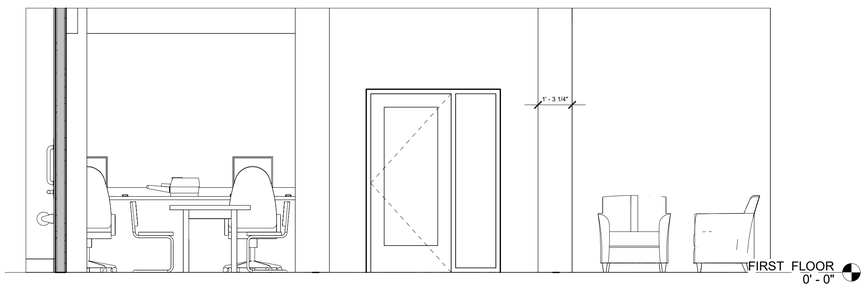
8 INTERIOR ELEVATION - RESTROOM
3/8" = 1'-0"



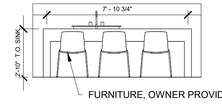
5 ENLARGED PLAN - RESTROOMS
1/4" = 1'-0"



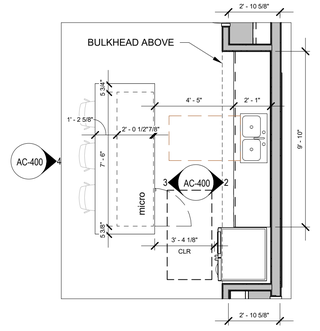
2 INTERIOR ELEVATION - KITCHEN A
1/4" = 1'-0"



11 INTERIOR ELEVATION - COMMON AREA TO LEASING OFFICE
3/8" = 1'-0"



4 INTERIOR ELEVATION - KITCHEN ISLAND 2
1/4" = 1'-0"



1 ENLARGED PLAN - KITCHEN A
1/4" = 1'-0"

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SEAL

PROJECT TITLE

WEST FORK
WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
OFHA APPLICATION	09/25/23

REVISIONS

MARK	DESCRIPTION	DATE

DO NOT SCALE PRINTS - USE FIGURED DIMENSIONS ONLY

PROJECT NO.
22-018

SHEET TITLE
CLUBHOUSE ENLARGED PLANS AND ELEVATIONS

SHEET NUMBER
AC-400

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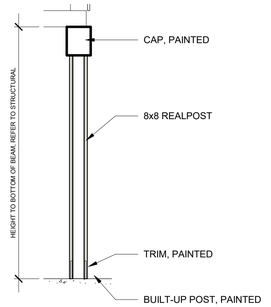
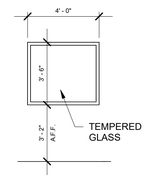
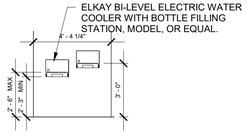
6 ENLARGED PLAN - INTERIOR COLUMN
1/4" = 1'-0"



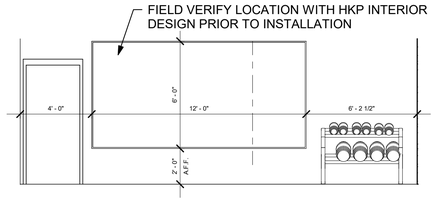
5 SECTION - EXTERIOR COLUMN
3/8" = 1'-0"



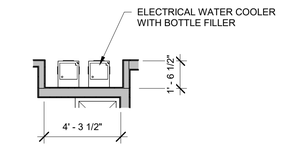
4 INTERIOR ELEVATION - OFFICE WINDOW
1/4" = 1'-0"



3 INTERNAL ELEVATION - DRINKING FOUNTAINS
1/4" = 1'-0"



2 INTERNAL ELEVATION - GYM WALL
1/4" = 1'-0"



1 ENLARGED PLAN - DRINKING FOUNTAINS
1/4" = 1'-0"

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SEAL

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WILSON ROAD & TWIN CREEK DR
COLUMBUS, OH 43204

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MARK	DESCRIPTION	DATE

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PROJECT NO.
22-018

SHEET TITLE
CLUBHOUSE ENLARGED PLANS AND ELEVATIONS

SHEET NUMBER
AC-401

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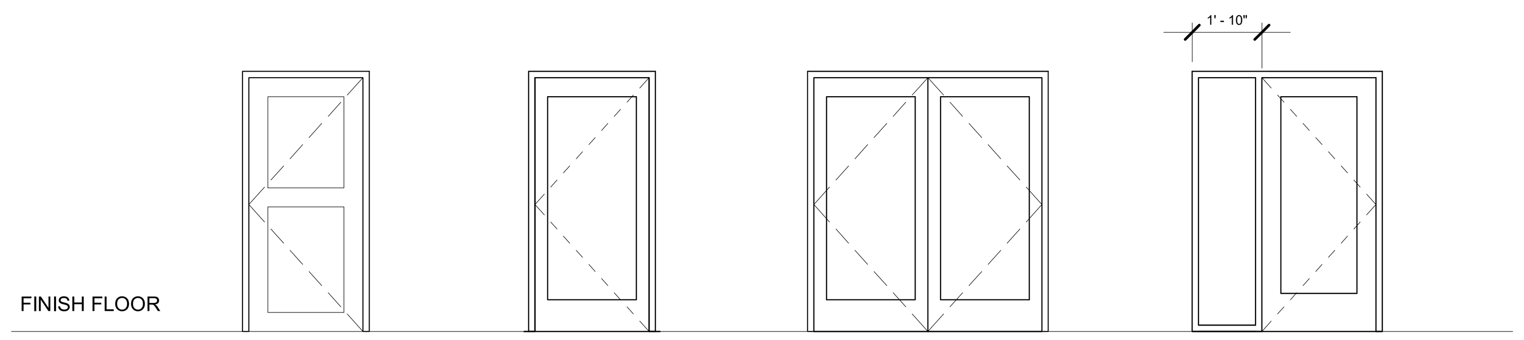
CLUBHOUSE DOOR SCHEDULE											
OPENING NUMBER	TYPE	DOOR						FRAME		HARDWARE	REMARKS
		ELEVATION	WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	MATERIAL	FINISH		
1	SWING	P2	3' - 0"	6' - 8"	1 3/8"	WOOD	PAINT	WOOD	PAINT	C2	
2	SWING	P4	3' - 0"	6' - 8"	1 3/8"	FIBERGLASS	PAINT	HOLLOW METAL	PAINT	C3	NO STEP ENTRY; INSULATED CORE
3	SWING	P2	3' - 0"	6' - 8"	1 3/8"	WOOD	PAINT	WOOD	PAINT	C2	
4	SWING	P2	3' - 0"	6' - 8"	1 3/4"	FIBERGLASS	PAINT	HOLLOW METAL	PAINT	C3	NO STEP ENTRY; INSULATED CORE
5	SWING	P2	3' - 0"	6' - 8"	1 3/8"	WOOD	PAINT	WOOD	PAINT	C2	
6	SWING	P1	3' - 0"	6' - 8"	1 3/8"	WOOD	PAINT	WOOD	PAINT	C2	RAISED PANEL SOLID CORE DOOR
8	SWING	P1	3' - 0"	6' - 8"	1 3/8"	WOOD	PAINT	WOOD	PAINT	C1	RAISED PANEL SOLID CORE DOOR
9	SWING	P2	3' - 0"	6' - 8"	1 3/8"	WOOD	PAINT	WOOD	PAINT	C1	
10	SWING	P1	3' - 0"	6' - 8"	1 3/8"	WOOD	PAINT	WOOD	PAINT	C2	RAISED PANEL SOLID CORE DOOR

GLAZING TYPE LEGEND

1. EXTERIOR DOOR GLAZING - DOOR GLAZING SHALL MEET OR EXCEED WITH IECC THERMAL REQUIREMENTS: U-FACTOR = 0.32 OR BETTER ; SHGS= 0.40
2. INTERIOR DOOR GLAZING - NON-INSULATED, TEMPERED



4 **DOOR PANEL ELEVATION LEGEND**
1/4" = 1'-0"

HARDWARE SCHEDULE

SET C1 — CLUBHOUSE INTERIOR DOORS - PASSAGE (ADA COMPLIANT)

QTY.	DESCRIPTION	MODEL
3	HINGES	STANLEY F179 3.5 X 3.5
1	PASSAGE LEVER	KWIKSET HALIFAX
1	FLOOR OR BASE STOP	

SET C2 — CLUBHOUSE INTERIOR DOORS - STORAGE / OFFICE (ADA COMPLIANT)

QTY.	DESCRIPTION	MODEL
3	HINGES	STANLEY F179 3.5 X 3.5
1	DEADBOLT AND PASSAGE LEVER	KWIKSET HALIFAX
1	FLOOR OR BASE STOP	

SET C3 — CLUBHOUSE EXTERIOR DOORS - ENTRANCE (ADA COMPLIANT)

QTY.	DESCRIPTION	MODEL
3	HINGES	STANLEY F179 4.5 X 4.5
1	PASSAGE LEVER	KWIKSET HALIFAX
1	DOOR CLOSER	
1	FLOOR OR BASE STOP	
1	WEATHERSTRIPPING	
1	DOOR SWEEP	
1	THRESHOLD (ADA COMPLIANT)	
	ELECTRIC STRIKE	
	ACCESS CONTROL READER	BY OTHERS

SET C4 — CLUBHOUSE INTERIOR DOORS - RESTROOM (ADA COMPLIANT)

QTY.	DESCRIPTION	MODEL
3	HINGES	STANLEY F179 3.5 X 3.5
1	OFFICE LOCK	KWIKSET HALIFAX
1	FLOOR OR BASE STOP	

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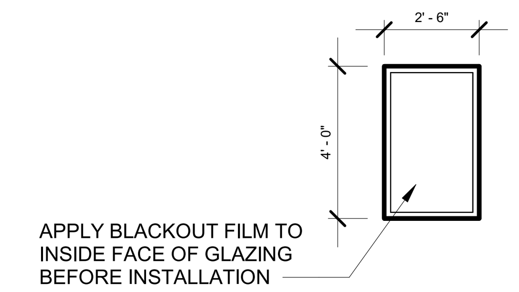
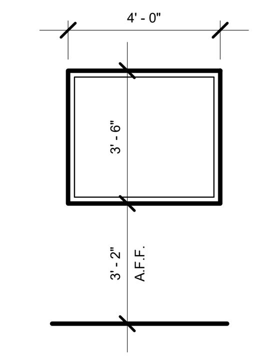
Window Schedule						
Type Mark	Width	Height	Material	Glazing Thickness	Glazing Type	Comments
W1	3' - 0"	5' - 0"	VINYL			SINGLE HUNG WINDOW - ENERGY STAR
W2	2' - 6"	4' - 0"	VINYL			FIXED GLASS WINDOW
W3	4' - 0"	3' - 6"	WOOD			FIXED GLASS WINDOW

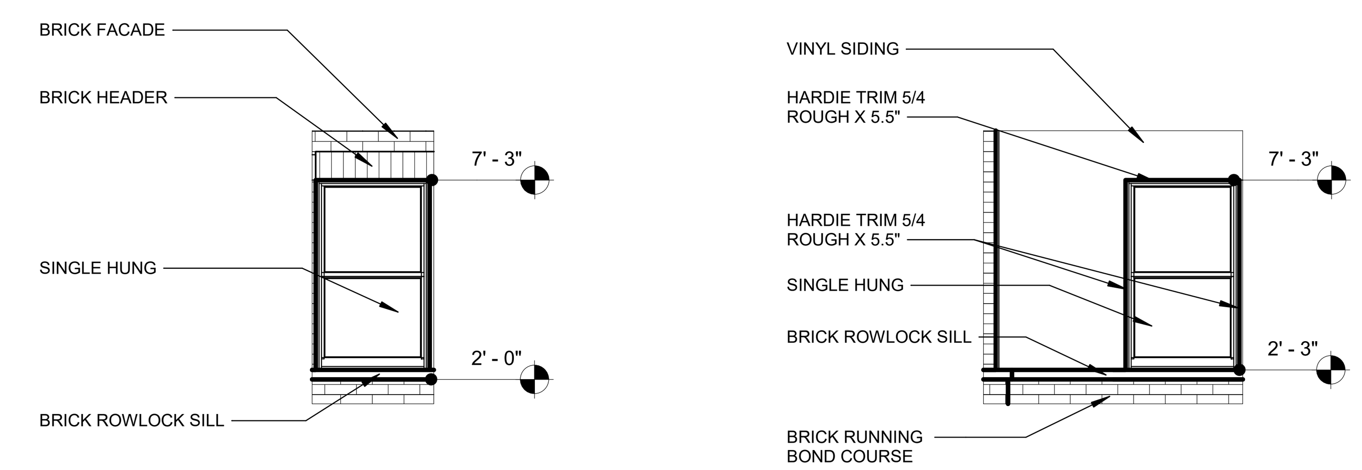


2 W2 - WINDOW ELEVATION
1/4" = 1'-0"



3 W3 - WINDOW ELEVATION
1/4" = 1'-0"

*ALL WINDOWS TO BE JELD-WEN SINGLE HUNG (V-2500 SERIES) WINDOW



1 W1 - WINDOW ELEVATIONS
1/4" = 1'-0"

WINDOW NOTES

1. BASE BID: JELD-WEN BUILDERS VINYL SERIES (V-2500 SERIES) SINGLE HUNG WINDOWS WITH LOW-E GLAZING.
2. TEMPERED GLASS IS REQUIRED FOR ALL WINDOWS INSTALLED WITHIN 24" OF DOORS.
3. 2006 IBC: SECTION 1405.12.2 - GLAZING BETWEEN THE FLOORS AND A HEIGHT OF 24" SHALL BE FIXED OR HAVE OPENINGS SUCH THAT A 4" DIAMETER SPHERE CANNOT PASS THROUGH.
4. WINDOWS SHALL MEET OR EXCEED WITH IECC THERMAL REQUIREMENTS: U-FACTOR = LESS THAN 0.32 OR BETTER ;
SHGS= LESS THAN 0.40
5. INSTALL WINDOW/ MOUNTING FLANGE OVER AIR PERMEABLE MOISTURE BARRIER AND COVER MOUNTING FLANGE WITH FLEXIBLE MOISTURE BARRIER TAPE SYSTEM, LAPPING JOINTS FROM TOP TO BOTTOM AND COMPLETELY SEALING PERIMETER OF WINDOW FRAME.
6. CONTRACTOR IS REQUIRED TO CONFIRM WITH NGBS SPREADSHEET (703.2.5.1) PRIOR TO ORDERING.

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PROJECT NO.

22-018

SHEET TITLE

CLUBHOUSE DOOR & WINDOW SCHEDULES

SHEET NUMBER

AC-600

T:\01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dr\7 CAD and Revit\GARAGES - MAINTENANCE BAY.rvt
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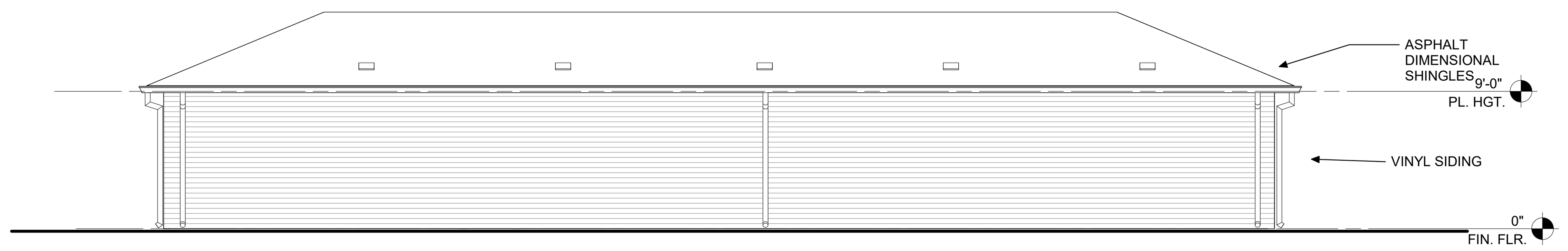
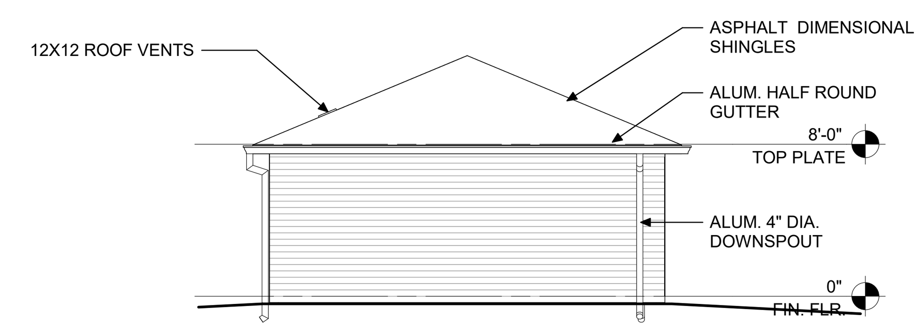
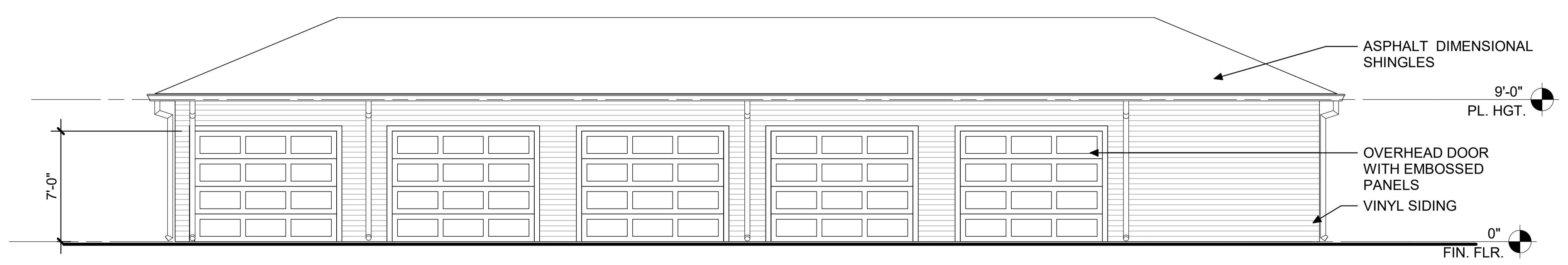


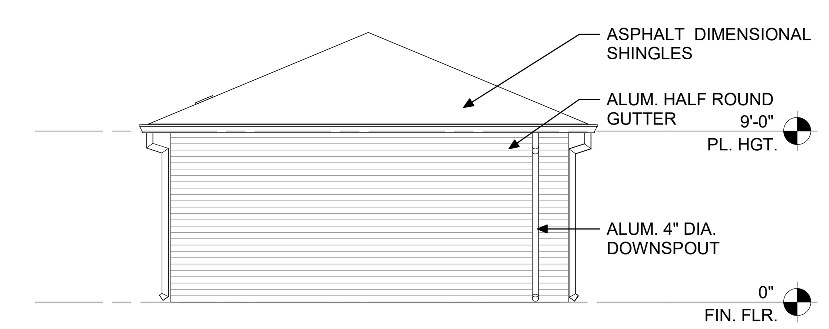
4 **4 BAY GARAGE + MAINTENANCE BAY- REAR ELEVATION**
1/8" = 1'-0"



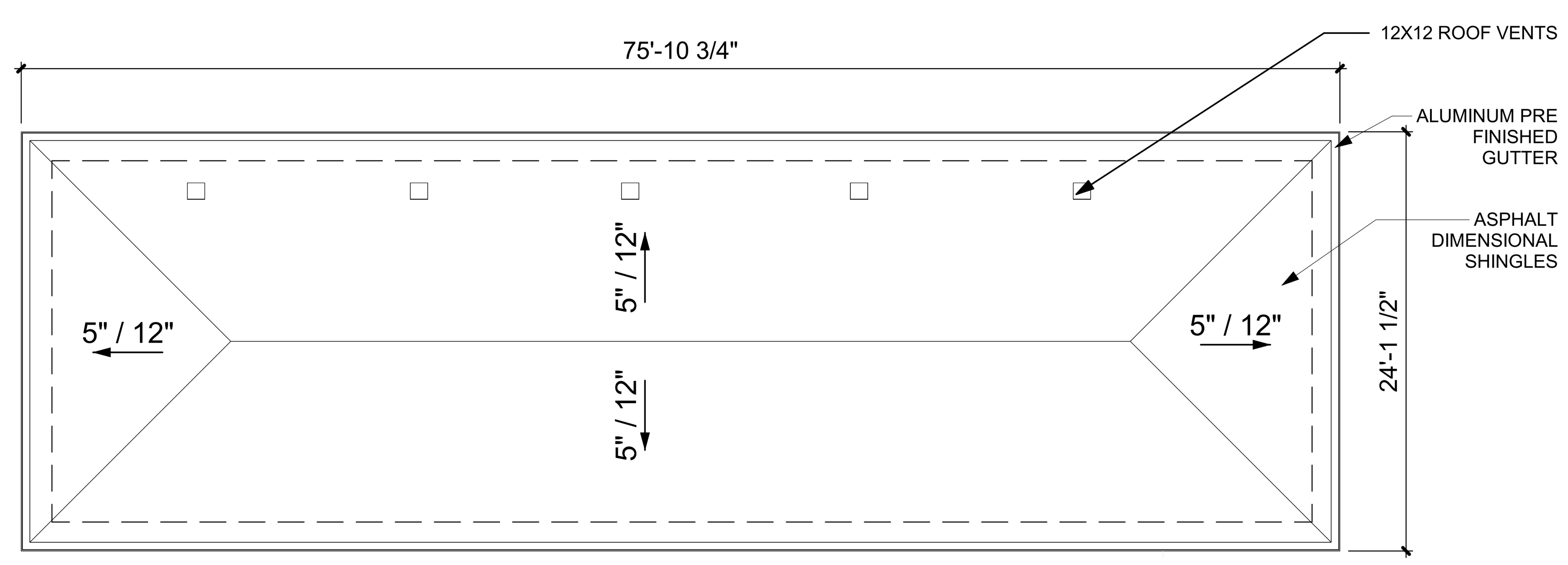
5 **4 BAY GARAGE + MAINTENANCE BAY - SIDE ELEVATION**
1/8" = 1'-0"



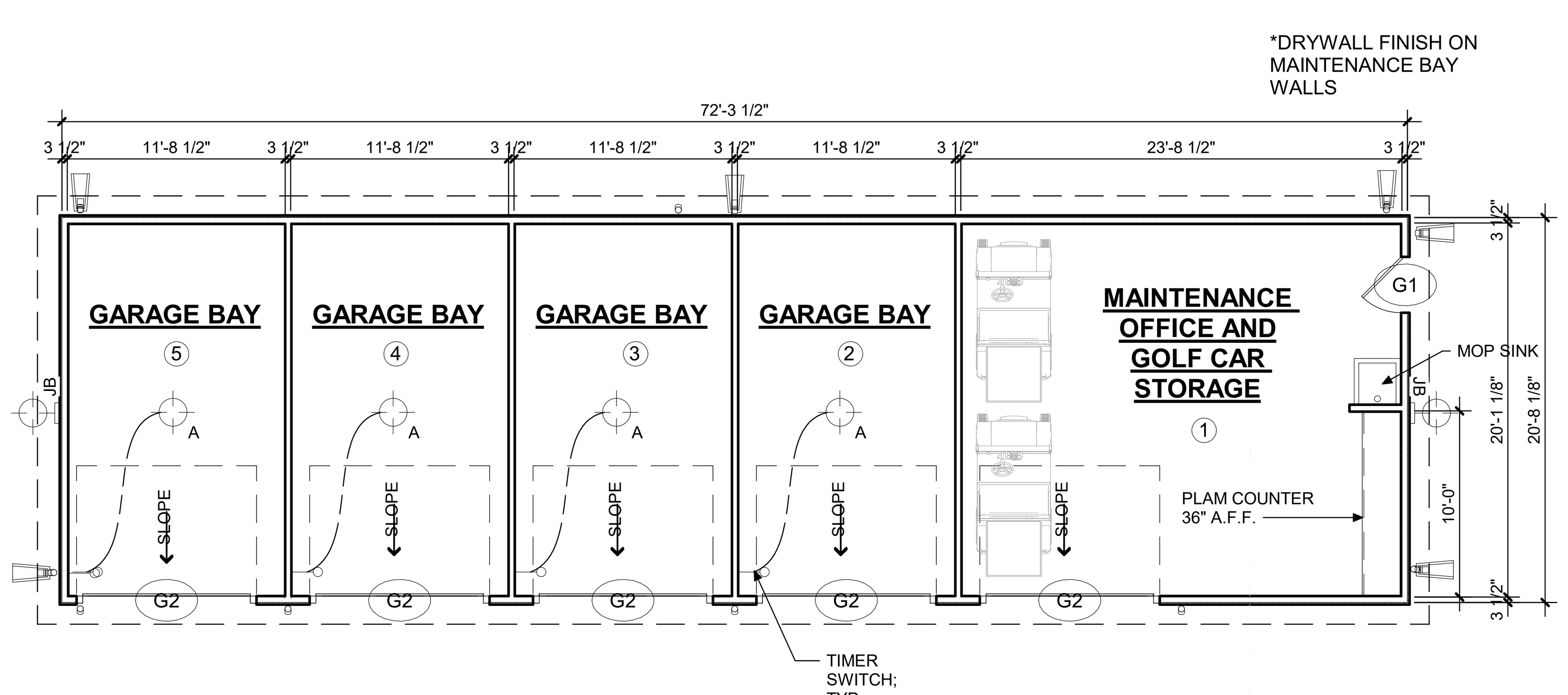
3 **4 BAY GARAGE + MAINTENANCE BAY - FRONT ELEVATION**
1/8" = 1'-0"



6 **4 BAY GARAGE + MAINTENANCE BAY - SIDE ELEVATION B**
1/8" = 1'-0"



2 **4 BAY GARAGE + MAINTENANCE BAY - ROOF PLAN**
1/8" = 1'-0"



1 **4 BAY GARAGE + MAINTENANCE BAY FLOOR PLAN**
1/8" = 1'-0"

ARCHITECTURAL GENERAL NOTES:

1. CONFORM ALL CONSTRUCTION TO ALL APPLICABLE CODES IN FORCE WITHIN THE JURISDICTION OF THE PROJECT. IF ANY SUCH RULES AND/OR REGULATIONS ARE IN CONFLICT WITH ANY PORTION OF THESE DOCUMENTS, THE CONSTRUCTION MANAGER SHALL BE INFORMED PRIOR TO PROCEEDING.
2. ALL INTERIOR BUILDING FINISHES SHALL CONFORM TO ALL APPLICABLE CODES IN FORCE WITHIN THE JURISDICTION OF THE PROJECT.
3. THE SUB-CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND JOB CONDITIONS PRIOR TO COMMENCING WORK AND SHALL REPORT TO THE GENERAL CONTRACTOR ANY DISCREPANCIES OR OMISSIONS WHICH WOULD INTERFERE WITH SATISFACTORY COMPLETION OF THE WORK.
4. ANY AND ALL PENETRATIONS SHALL BE SEALED (WITH SEALANT) TO PREVENT ANY TYPE OF ENERGY LOSS.
5. VERIFY ALL EXISTING CONDITIONS PRIOR TO START OF CONSTRUCTION. NOTIFY THE CONTRACT MANAGER IMMEDIATELY OF ANY CONFLICTS PRIOR TO PROCEEDING WITH WORK.
6. THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL APPLICABLE DIMENSIONS OF FIXTURES AND EQUIPMENT SUPPLIED AND/OR INSTALLED BY OTHERS.
7. THE POSTING OF AN OFFICIAL DESIGN RELEASE PLACARD AND THE MAINTENANCE OF ONE SET OF STATE-STAMPED PLANS AND SPECIFICATIONS ON THE JOB SITE ARE REQUIRED.
8. THE SUB-CONTRACTOR SHALL FILE ALL DRAWNGS FOR PERMIT APPLICATION OR OTHER MATERIALS REQUIRED TO SECURE ANY AND ALL BUILDING PERMITS AS MIGHT BE REQUIRED BY ANY LOCAL ORDINANCES TO PERFORM THIS WORK.
9. THE DRAWINGS SHALL NOT BE SCALED. FOR INFORMATION CONCERNING EXITING, PARTITIONS, ETC, VERIFICATIONS SHALL BE PERFORMED IN THE FIELD.
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DOOR SCHEDULE

DOOR TAG	DOOR					FRAME	HARDWARE	DESCRIPTION
	SIZE							
	W	H	THK	MATERIAL	FINISH	MATERIAL		
G1	3'-0"	6'-8"	1 3/8"	FG.				INTERIOR WOOD RAISED PANEL DOOR
G2	9'-0"	7'-0"		STL.	FACT.	WD.	RE: DOOR MANUFACTURER	OVERHEAD GARAGE DOOR WITH EMBOSSED PANELS

HARDWARE SCHEDULE

SET 7 - UNIT EXTERIOR DOORS - GARAGE (ADA COMPLIANT)

QTY	DESCRIPTION	MODEL
3	SPRING HIDGES	STANLEY 2060R 4.5 X 4.5
1	PASSAGER LEVER	KWIKSET - SATIN NICKEL
1	SMOKE SEAL GASKETING	
1	DOOR SWEEP	
1	THRESHOLD (ADA COMPLIANT)	
1	DEADBOLT	KWIKSET SMARTKEY 780
1	DOOR CHAIN	

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SEAL

PROJECT TITLE

WEST FORK

WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
OFHA APPLICATION	09/25/23

REVISIONS

MARK	DESCRIPTION	DATE

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PROJECT NO.

20-018

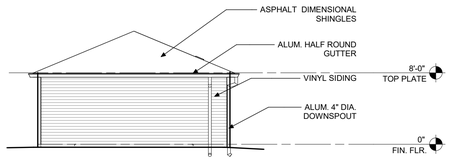
SHEET TITLE

GARAGE TYPE A - 4 BAY GARAGE + MAINTENCE BAY

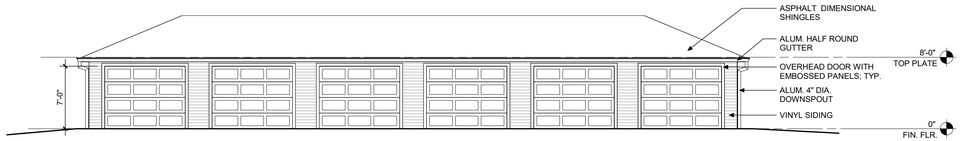
SHEET NUMBER

AG-100

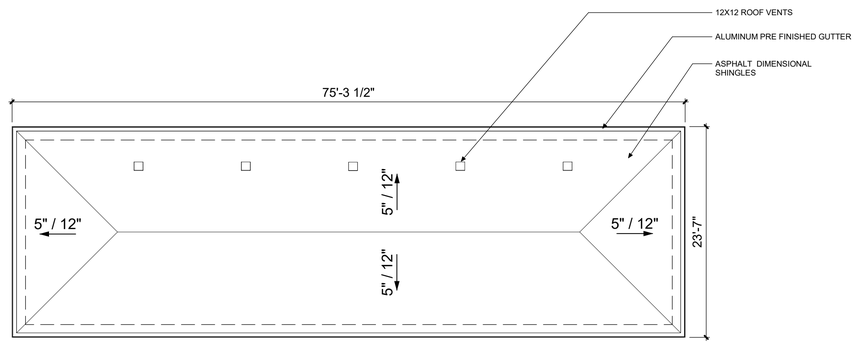
4 **TYPE B - REAR ELEVATION**
1/8" = 1'-0"



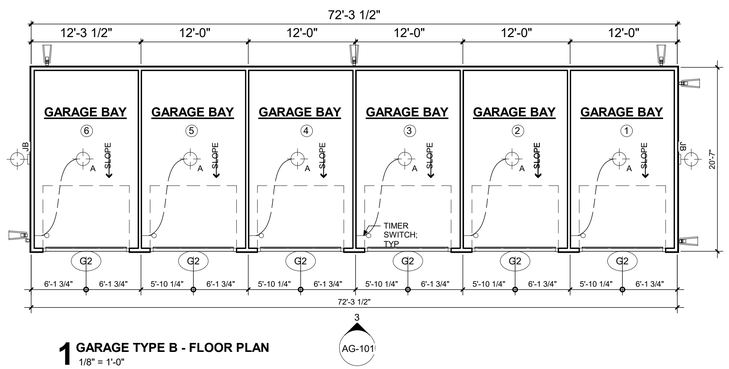
5 **6 BAY GARAGE - SIDE ELEVATION**
1/8" = 1'-0"



3 **TYPE B - FRONT ELEVATION**
1/8" = 1'-0"



6 **GARAGE TYPE B ROOF PLAN**
1/8" = 1'-0"



1 **GARAGE TYPE B - FLOOR PLAN**
1/8" = 1'-0"

ARCHITECTURAL GENERAL NOTES:

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DOOR SCHEDULE

DOOR TAG	DOOR					FRAME	HARDWARE	
	SIZE			MATERIAL	FINISH	MATERIAL		DESCRIPTION
	W	H	THK					
G1	3'-0"	6'-8"	1 3/8"	FG.				INTERIOR WOOD RAISED PANEL DOOR
G2	9'-0"	7'-0"		STL.	FACT.	WD.	RE: DOOR MANUFACTURER	OVERHEAD GARAGE DOOR WITH EMBOSSED PANELS

HARDWARE SCHEDULE

SET 7 - UNIT EXTERIOR DOORS - GARAGE (ADA COMPLIANT)

QTY	DESCRIPTION	MODEL
3	SPRING HIDGES	STANLEY 2060R 4.5 X 4.5
1	PASSAGER LEVER	KWIKSET - SATIN NICKEL
1	SMOKE SEAL GASKETING	
1	DOOR SWEEP	
1	THRESHOLD (ADA COMPLIANT)	
1	DEADBOLT	KWIKSET SMARTKEY 780
1	DOOR CHAIN	

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MARK	DESCRIPTION	DATE

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PROJECT NO.

20-018

SHEET TITLE

TYPE B - 6 STANDARD BAYS GARAGE

SHEET NUMBER

AG-101

T:\01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dri7 CAD and Revit\GARAGES - MAINTENANCE BAY.rvt
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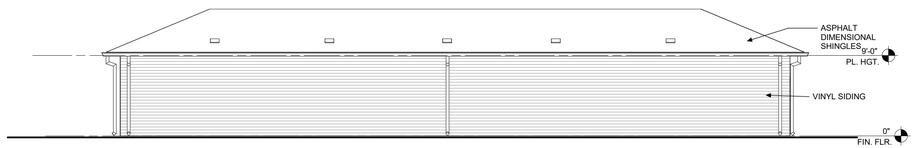
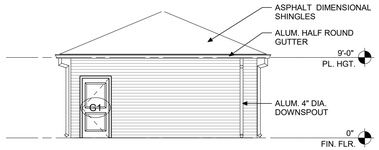
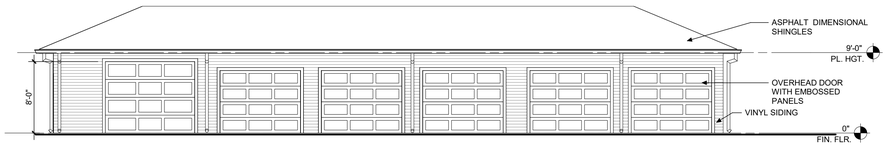


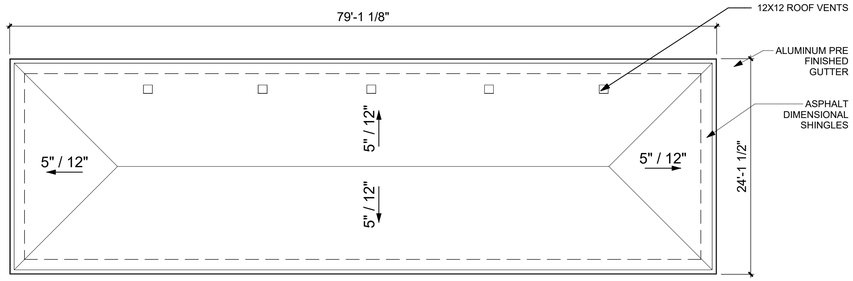
4 GARAGE 3 - REAR ELEVATION
1/8" = 1'-0"



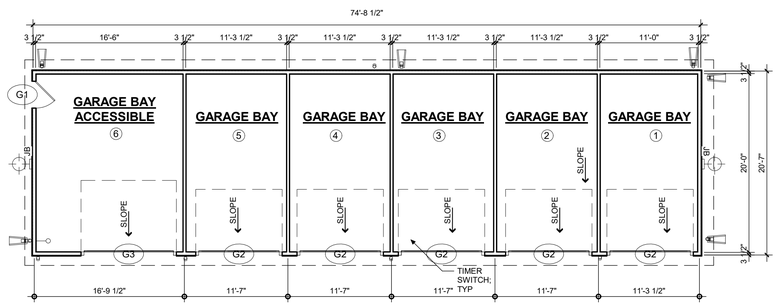
5 GARAGE 3 - SIDE ELEVATION B
1/8" = 1'-0"



3 GARAGE 3 - FRONT ELEVATION
1/8" = 1'-0"



2 GARAGE 3 - ROOF PLAN
1/8" = 1'-0"



1 GARAGE 3 - FLOOR PLAN (GROSS AREA 1,550 SF)
1/8" = 1'-0"

DOOR SCHEDULE

DOOR TAG	DOOR					FRAME	HARDWARE	DESCRIPTION
	SIZE							
	W	H	THK	MATERIAL	FINISH	MATERIAL		
G1	3'-0"	6'-8"	1 3/8"	FG.	PAINT	WD.	7	INTERIOR WOOD RAISED PANEL DOOR
G2	9'-0"	7'-0"		STL.	FACT.	WD.	RE: DOOR MANUFACTURER	OVERHEAD GARAGE DOOR WITH EMBOSSED PANELS
G3	10'-0"	8'-0"		STL.	FACT.	WD.	RE: DOOR MANUFACTURER	OVERHEAD GARAGE DOOR WITH EMBOSSED PANELS

HARDWARE SCHEDULE

SET 7 - UNIT EXTERIOR DOORS - GARAGE (ADA COMPLIANT)

QTY	DESCRIPTION	MODEL
3	SPRING HIDGES	STANLEY 2060R 4.5 X 4.5
1	PASSAGER LEVER	KWIKSET - SATIN NICKEL
1	SMOKE SEAL GASKETING	
1	DOOR SWEEP	
1	THRESHOLD (ADA COMPLIANT)	
1	DEADBOLT	KWIKSET SMARTKEY 780
1	DOOR CHAIN	

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PROJECT TITLE

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LINCOLN PARK COURT
COLUMBUS, OH 43228

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REVISIONS

MARK	DESCRIPTION	DATE

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PROJECT NO.

20-018

SHEET TITLE

GARAGE TYPE C
1 ACCESSIBLE BAY

SHEET NUMBER

AG-102

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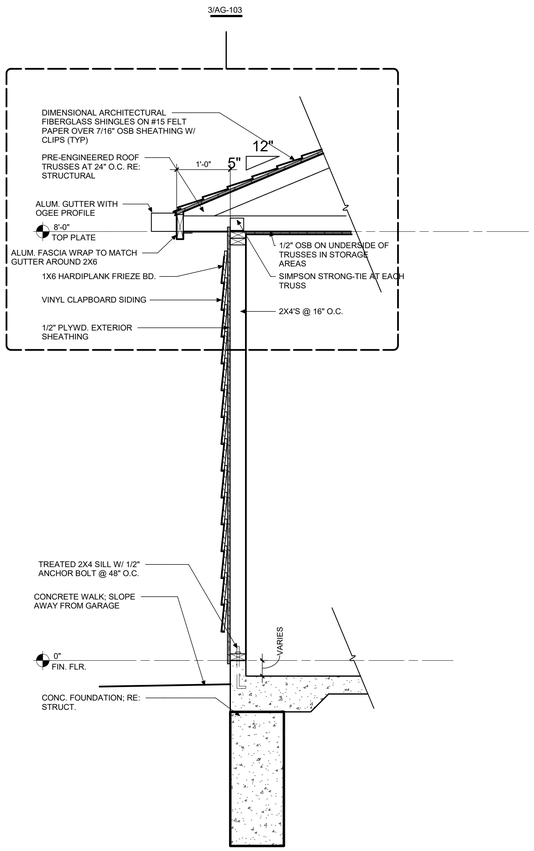

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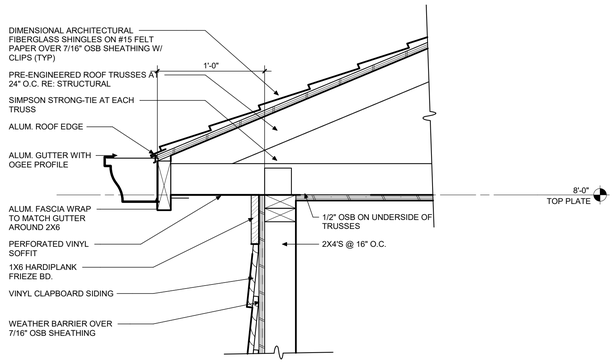
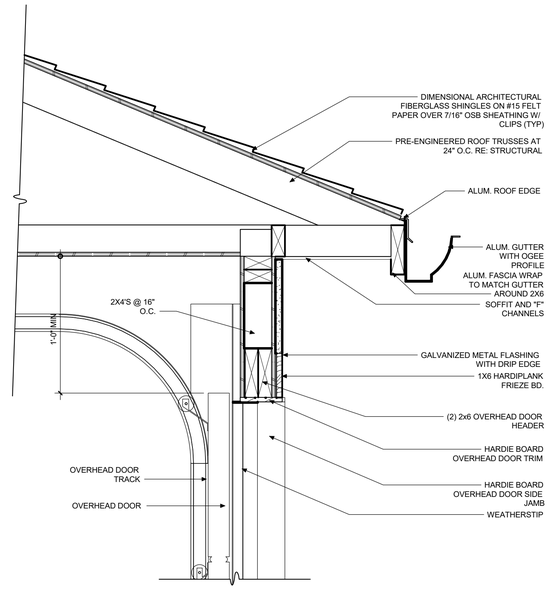
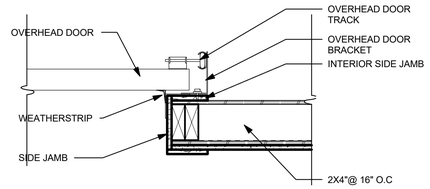


3 TYP. ROOF EDGE DETAIL
1 1/2" = 1'-0"





4 GARAGE OVERHAEAD DOOR HEADER
1 1/2" = 1'-0"

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20-018

SHEET TITLE
GARAGE DETAILS

SHEET NUMBER
AG-103

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Appendix D -

Market Study Certification

Twin Creeks Drive, Columbus

Application for 4% LIHTC Bond Gap Financing

21. Market Study

- Market Study, completed by Vogt Strategic Insights

Vogt Strategic Insights

Market Feasibility Analysis of:

West Fork

Twin Creeks Drive
Columbus, Franklin County, Ohio 43204

For:

Ms. Caroline Kimmel
Kittle Property Group
310 East 96th Street, Suite 400
Indianapolis, Indiana 46240

Effective Date: January 12, 2023
Revised Date: July 21, 2023
Job Reference Number: 19066JJ

Table of Contents

OHFA Market Study Checklist
Introduction
I. Executive Summary and Conclusions
II. Project Description
III. Primary Market Area (PMA) Delineation
IV. Demographic Trends and Economic Analysis
V. Achievable Market and Tax Credit Rent Analysis
VI. Income-Eligible Households
VII. Area Analysis and Description of Public Services
VIII. Federally Subsidized and Tax Credit Properties
IX. Rental Housing Supply Analysis
X. Comparable Tax Credit Analysis
XI. Public Housing Authority Concerns and Issues
XII. Market Study Certification
XIII. Data Sources
XIV. Qualifications

Addendum A – Field Survey of Conventional Rentals
Addendum B – Area Demographics

OHFA Market Study Checklist *(Updated: November 2019)*

A market study conducted by an OHFA-approved market study professional, updated or approved within 12 months of the application submission date, must be submitted to the Ohio Housing Finance Agency (OHFA) with an application for multifamily housing funding.

Applicants should refer to the Market Study Standards as outlined in the Multifamily Underwriting Guidelines for definitions and requirements for content, and to the Program Calendar for applicable deadlines.

The market study professional must complete this market study checklist. The checklist is intended to assist readers on the location of issues relevant to the evaluation and analysis of the market study. The page number(s) of each item must be noted below, and each item should be fully discussed on that page(s). Specify the vacancy rates, lease-up time and capture rates where indicated below. Indicate "N/A" for any item that is not applicable.

Item			Page(s)
Conclusion that indicates a market exists for the proposed project			I-1
Recommendations or suggested modifications to the proposed project			N/A
Estimated stable year vacancy rate	***Rate:***	95%	I-1
Explanation if vacancy rate exceeds 7%			N/A
Estimated time to fully lease-up the proposed project	***Time:***	11 months	I-1
Explanation if lease-up time exceeds one year			N/A
Description of the proposed project			II-1 to 3
Site and adjacent parcels			VII-1 to 2
Project design			II-2
Number of units			II-1
Number of bedrooms and baths			II-1
Unit and project amenities			II-2
Proposed rents and utility allowances			II-1
Population served			II-2
Color photographs of project site(s) and surrounding areas			VII-4-7
Review of site and floor plans and indication whether appropriate			II-3
Description of Primary Market Area			III-1
Methodology used to determine boundaries			III-1 to 2
Explanation if areas outside of a five-mile radius are included			III-2
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Introduction

Purpose

The market feasibility of the proposed West Fork is the subject of this report. The proposed site involves the new construction of 216 units of affordable housing for general occupancy households in Columbus, Franklin County, Ohio. The project is applying for Low-Income Housing Tax Credit (LIHTC) financing. The week of December 26, 2022, Nikki Kenton inspected the subject site, the surrounding area and existing conventional apartments. The analysis was revised in July 2023 following a project concept change and release of the 2023 rent and income limits. We have not revisited the site or updated the survey information for the revision.

Ms. Caroline Kimmel of Kittle Property Group initiated this Comprehensive Market Analysis Full Narrative Report. The report follows the guidelines for market studies required by the Ohio Housing Finance Agency (OHFA) and conforms to the National Council of Housing Market Analysts (NCHMA) standards. These standards enhance the quality of market analyses, make market studies easier to prepare, understand and use by market analysts and end users, and include accepted definitions of key terms used in market studies for affordable housing projects and model content standards for affordable housing market studies.

Methodologies

Vogt Strategic Insights (VSI) uses the following methodologies.

- Identify the Primary Market Area (PMA) for the subject site as proposed. The Site PMA is the smallest geographic area expected to generate most of the support for the proposed subject project. Site PMAs are not defined by radius; the radial approach is ineffective because it does not consider mobility patterns, changes in socioeconomic or demographic character of neighborhoods or physical landmarks that might impede development.

  PMAs are established using a variety of factors that include, but are not limited to: a detailed demographic and socioeconomic evaluation; interviews with area planners, realtors and other individuals who are familiar with area growth patterns; a drive-time analysis to the site; personal observations of the field analyst; and evaluation of existing housing supply characteristics and trends.

- Conduct a field survey of modern apartment developments to measure the overall strength of the apartment market and establish those projects that are most likely directly comparable to the subject property. This is accomplished by an evaluation of unit mix, vacancies, rent levels and overall quality of product. Given the LIHTC market's complexity, multiple comparable properties may exist.

- Identify two types of directly comparable properties through the field survey, which include other Section 42 LIHTC developments and market-rate developments that offer unit and project amenities similar to the subject development. An in-depth evaluation of those two property types provides an indication of the subject development's potential. Conditions may exist that cause the selection of a property (or several) beyond the delineated market area. Properties beyond the market area's boundaries are for comparison purposes only (rents, occupancy rates, amenities etc.) and generally are not competitive with the subject project for renters because they are within different geographies. Any out-of-market projects are clearly identified in text and are labeled with 900-series Map Codes.

- Evaluate the area's economic and demographic characteristics. An economic evaluation includes an assessment of area employment composition, income growth (particularly among the target market), building statistics and area growth perceptions. The demographic evaluation uses the most recently issued Census information, as well as projections that determine what the characteristics of the market will be when the proposed subject project opens and after it achieves a stabilized occupancy.

- Interviews with officials familiar with area development and area building statistics identify planned and proposed properties that may influence subject site's marketability. Planned and proposed projects vary in their stages of development so it is crucial to establish the likelihood of construction, the timing of the project and its impact on the market and the subject development.

- We conduct an analysis of the subject project's required capture of the number of income- and size-appropriate renter households within the Site PMA. We conduct this analysis on a renter household level to determine the subject development's market capture rate. We compare the capture rate with acceptable capture rates for similar projects types to determine whether the subject development's capture rate is achievable. In addition, VSI also compares all existing and planned LIHTC housing within the market to the number of income-appropriate households. We evaluate the resulting penetration rate in conjunction with the project's capture rate.

- We determine the subject development's achievable market and Tax Credit rents. The Rent Comparability Grids compare the features of the subject development item by item with the most comparable properties in the market. We adjust for each feature that differs from the subject development. We apply these adjustments to the collected rent, which results in an achievable market rent for a unit comparable to the proposed unit.

Report Limitations

The intent of this report is to collect and analyze significant levels of data to forecast the market success of the subject property within an agreed to time period. Vogt Strategic Insights relies on a variety of data sources to generate this report. These data sources are not always verifiable; VSI, however, makes a significant effort to assure accuracy. While this is not always possible, we believe our effort provides an acceptable standard margin of error. Vogt Strategic Insights is not responsible for errors or omissions in the data provided by other sources.

The reported analyses, opinions and conclusions are limited only by the reported assumptions and limiting conditions, and are our personal, unbiased professional analyses, opinions and conclusions. We have no present or prospective interest in the property that is the subject of this report and we have no personal interest or bias with respect to the parties involved.

Our compensation is not contingent on an action or event (such as the approval of a loan) resulting from the analyses, opinions, conclusions in or the use of this study.

Any reproduction or duplication of this report without the express approval of Kittle Property Group or Vogt Strategic Insights, Ltd. is strictly prohibited.

Sources

Vogt Strategic Insights uses various sources to gather and confirm data used in each analysis. These sources include the following:

- The 2000 and 2010 Census on Housing
- ESRI
- Urban Decision Group
- Applied Geographic Solutions
- Detailed Tenure Crosstab (household income by household size, tenure, and age of head of household) by Urban Decision Group
- U.S. Department of Labor
- Management for each property included in the survey
- Local planning and building officials
- Local housing authority representatives
- U.S. Department of Housing and Urban Development (HUD)

Definitions of terms used throughout this report may be viewed at VSInsights.com/terminology.php.

Statement on the U.S. Census and the American Community Survey

Since 2005, the American Community Survey (ACS) has been a critical element of the U.S. Census Bureau's reengineered decennial census program. During previous decennial censuses, most households received a short-form questionnaire, while one household in six received a long form that contained additional questions and provided socioeconomic information about the population that is more detailed.

The 2010 Census was the first exclusively short-form census and it counted all residents living in the United States and asked for name, sex, age, date of birth, race, ethnicity, relationship and housing tenure, resulting in a total of seven variables.

The more detailed socioeconomic information, once collected via the long-form questionnaire, is now collected by the American Community Survey. The survey provides current data about all communities, every year, rather than once every 10 years. It is sent to a small percentage of the population on a rotating basis throughout the decade. No household will receive the survey more often than once every five years.

Each year, the Census Bureau releases three ACS datasets for certain geographic areas. The type of data that is available is dependent upon the total population residing within a geographic area. One-year estimates are available for the largest areas, which are defined as areas with populations of 65,000 or more. Three-year averages of estimates are available for areas with populations of 20,000 or more and five-year averages of estimates are available for all areas regardless of size. It should be noted that the five-year data set has a significantly smaller sample size than that used to compile the long form in previous censuses.

Since 2011, Vogt Strategic Insights (VSI) has included data in our reports from the most recent decennial census in 2010, as well as data available via the ACS that is more detailed. Currently, we are reporting data that is associated with the 2016-2020 ACS.

Direct comparisons between ACS data and the 2010 decennial census should not be made because the sample sizes and collection methods are completely different; the ACS is an average of estimates, while the decennial census is a count. In addition, the ACS data should not be compared to third-party data that provides current-year estimates and five-year projections. The ACS data is provided only as a point of reference.

In addition to the data retrieved from the Census Bureau, VSI utilizes data from several different third-party providers, including ESRI and Urban Decision Group. Each of these data providers has undergone significant internal changes to incorporate the results of both the 2010 decennial census and the most recent ACS into the algorithms used to calculate current-year estimates and five-year projections of census data; the currently available data utilized in VSI's reports includes 2022 estimates and 2027 projections. The emergence and evolution of the ACS and the ongoing nature of its data collection techniques should result in more accurate demographic and income estimates and projections from these third-party data providers. Vogt Strategic Insights will always provide the most accurate census counts and estimates, as well as third-party estimates and projections when they are available.

I. Executive Summary and Conclusions

Based upon the findings contained in this report, it is our opinion that the proposed West Fork LIHTC rental housing community in Columbus, Franklin County, Ohio, can be supported as currently proposed.

Suggested Modifications

We have no recommendations or suggested modifications to the subject project at this time. We conclude that the subject project is market feasible as proposed.

Absorption Projections and Stabilized Occupancy

Considering the facts contained in the market study and comparing them with other projects with similar characteristics in other markets, we established absorption projections for the subject development. It is our opinion that the 216 LIHTC units at the subject site will reach a stabilized occupancy of at least 95.0% (5.0% vacancy factor) within about 11 months of opening. This is based on an average monthly absorption rate of 20.0 to 24.0 units, which is comparable to the absorption experienced at Whispering Creek Apartments, which was built by the developer of this proposed site.

Changes to the project's rents, amenities, floor plans, location or other features may invalidate our findings. We assume the developer and/or management will market the project a few months in advance of the project's opening and continue to monitor market conditions during the project's initial lease-up period.

Summary of Key Findings

Section II – Project Description

The subject of this report, West Fork, involves the proposed new construction of 216 units of affordable rental housing for general occupancy households in western portion of Columbus, Franklin County, Ohio. West Fork is proposed to be developed with Low-Income Housing Tax Credit financing, targeting family households with incomes up to 60% of Area Median Income (AMI).

The unit mix will include 72 one-bedroom garden units, 72 two-bedroom garden units, 36 three-bedroom garden units and 36 four-bedroom garden units. The proposed Tax Credit collected rents are $798 to $1,093 for a one-bedroom unit, $954 to $1,400 for a two-bedroom unit, $1,101 to $1,617 for a three-bedroom unit and $1,242 to $1,727 for a four-bedroom unit

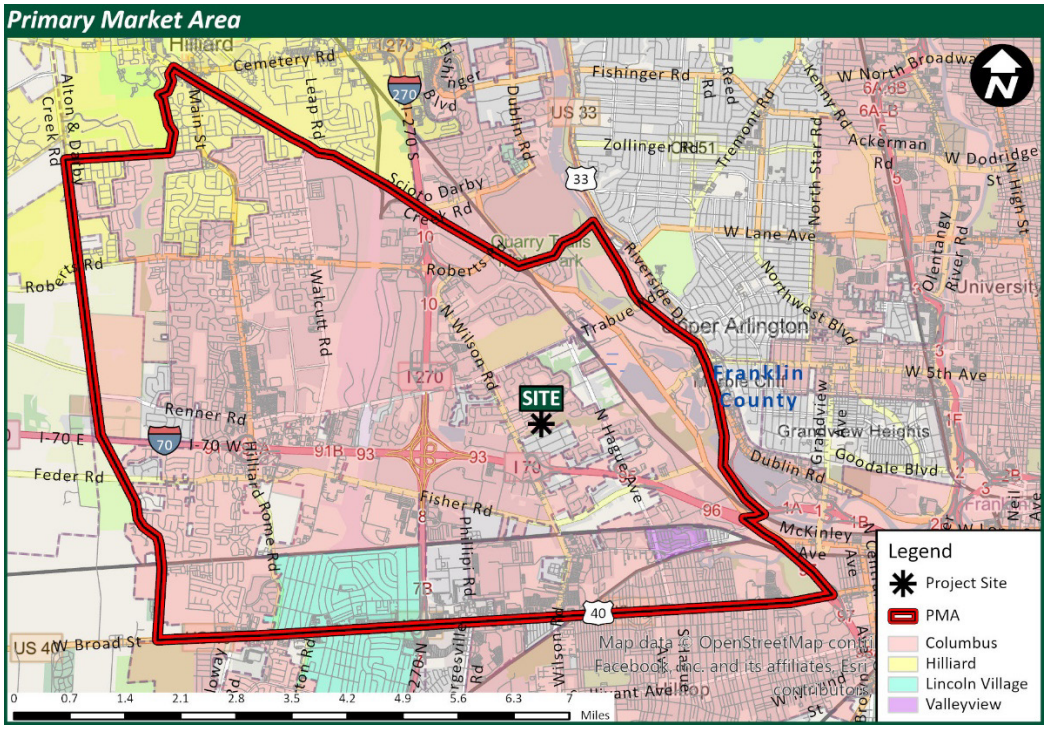
West Fork (Proposed Site)										
# of Units	Number of Beds (Style)	# of Baths	Square Feet	Affordable to What % of AMI	Occupied by What % of AMI	Gross Rents	Tenant-Paid Utilities	Rental Subsidy*	Net Rents	Maximum LIHTC Gross Rents
36	1.0 (Garden)	1.0	749	50%	50%	$930	$132	$0	$798	$930
21	1.0 (Garden)	1.0	749	60%	60%	$1,116	$132	$0	$984	$1,116
15	1.0 (Garden)	1.0	749	70%	70%	$1,225	$132	$0	$1,093	$1,302
27	2.0 (Garden)	2.0	1,052	50%	50%	$1,116	$162	$0	$954	$1,116
14	2.0 (Garden)	2.0	1,052	60%	60%	$1,339	$162	$0	$1,177	$1,339
31	2.0 (Garden)	2.0	1,052	70%	70%	$1,562	$162	$0	$1,400	$1,562
12	3.0 (Garden)	2.0	1,187	50%	50%	$1,290	$189	$0	$1,101	$1,290
8	3.0 (Garden)	2.0	1,187	60%	60%	$1,548	$189	$0	$1,359	$1,548
16	3.0 (Garden)	2.0	1,187	70%	70%	$1,806	$189	$0	$1,617	$1,806
12	4.0 (Garden)	2.0	1,437	50%	50%	$1,438	$196	$0	$1,242	$1,438
6	4.0 (Garden)	2.0	1,437	60%	60%	$1,726	$196	$0	$1,530	$1,726
18	4.0 (Garden)	2.0	1,437	70%	70%	$1,923	$196	$0	$1,727	$2,014
216										

Source: Kittle Property Group
AMI – Area Median Income (Columbus, OH HUD Metro FMR Area (2023))

Additional details of the site can be found in Section II.

Section III – Primary Market Area (PMA) Delineation

The Primary Market Area (PMA) is the geographic area where the majority of support for the proposed site is expected to originate, where the community services that site residents will likely utilize are located and/or where comparable housing alternatives exist. The Columbus Site PMA comprises a portion of the far western area of Columbus, including the Valleyview and Lincoln Village neighborhoods as well as a small portion of Hilliard.

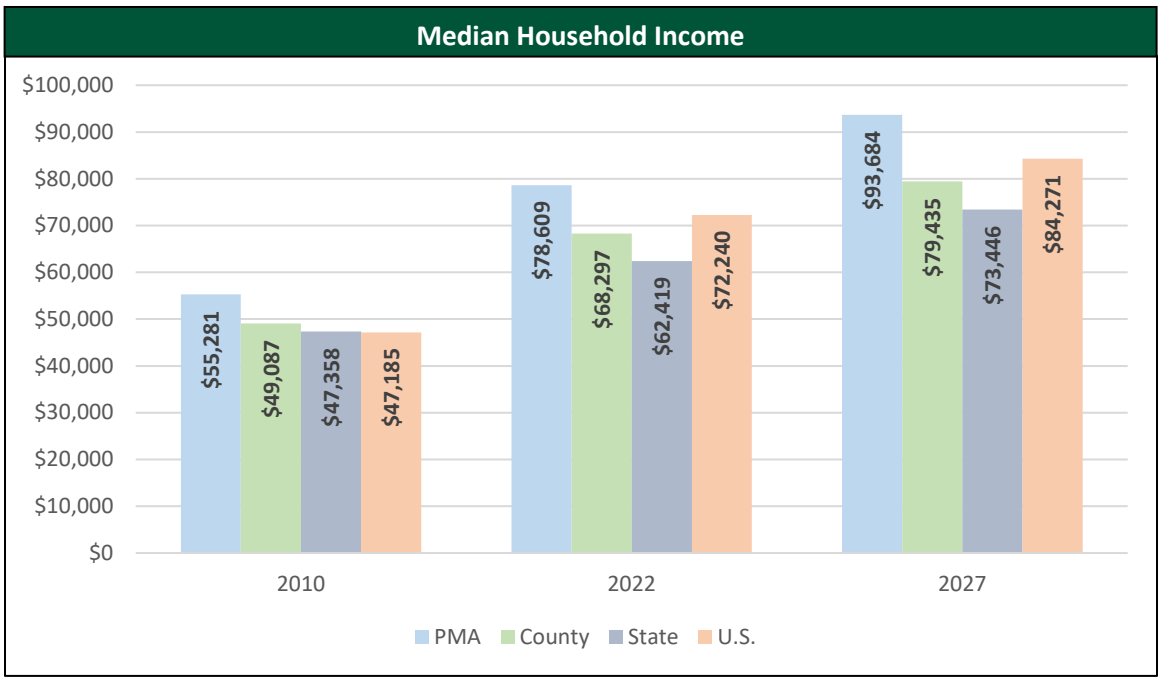


Further description of the determination of the Primary Market Area, including supporting interviews, and a full-page map illustrating the boundaries of the Site PMA can be found in Section III of this report.

Demographic Summary

	PMA		Franklin County		Ohio		U.S.	
	Pop.	H.H.	Pop.	H.H.	Pop.	H.H.	Pop.	H.H.
2010 Census	69,292	27,730	1,163,414	477,235	11,536,479	4,603,415	308,745,538	116,716,292
2020 Census	76,046	30,793	1,323,807	540,369	11,799,423	4,808,766	328,070,907	125,352,684
2022 Estimated	77,516	31,494	1,354,579	553,310	11,820,882	4,831,456	332,301,450	127,181,926
Change 2020-2022	1,470	701	30,772	12,941	21,459	22,690	4,230,543	1,829,242
Percent Change 2020-2022	1.9%	2.3%	2.3%	2.4%	0.2%	0.5%	1.3%	1.5%
2027 Projected	79,214	32,207	1,383,219	565,396	11,829,060	4,856,138	336,514,189	129,174,979
Change 2022-2027	1,698	713	28,640	12,086	8,178	24,682	4,212,739	1,993,053
Percent Change 2022-2027	2.2%	2.3%	2.1%	2.2%	0.1%	0.5%	1.3%	1.6%

Source: VSI; ESRI; 2000, 2010 Census
H.H. – Households
Pop. – Population



Source: 2010 Census; ESRI; Urban Decision Group; VSI

Housing Status	2010 (Census)		2022 (Estimated)		2027 (Projected)	
	Number	Percent	Number	Percent	Number	Percent
Total-Occupied	27,730	93.1%	31,494	93.7%	32,207	92.9%
Owner-Occupied	16,332	58.9%	18,404	58.4%	18,908	58.7%
Renter-Occupied	11,398	41.1%	13,090	41.6%	13,299	41.3%
Vacant	2,044	6.9%	2,115	6.3%	2,451	7.1%
Total	**29,774**	**100.0%**	**33,609**	**100.0%**	**34,658**	**100.0%**

Source: 2010 Census; ESRI; Urban Decision Group; VSI

Employment in the greater Columbus area continues to be service-oriented, and companies representing health care, insurance, technology, education and government are major employers in the region. The stabilizing national economy, combined with a diversified Columbus economy, is allowing Central Ohio to grow at a faster rate than other areas of Ohio. Major expansion projects in the Arena District, The Ohio State University campus area, downtown and in several suburbs illustrate the continued economic growth of the area.

Between 2005 and 2021, Franklin County employment grew 9.2% overall. This compares favorably to a 1.2% employment decrease statewide over the same period. Employment in Franklin County peaked in 2019, and had declined during the pandemic, resulting in an overall 13.9% increase during the past 11-year period.

The area's economic growth is spurring household and population growth in the region, which is increasing demand for housing of all types. There is moderate affordable rental housing stock in the immediate Site PMA, for which demand exceeds the current supply. This is illustrated by the results of our field survey. We anticipate ample demand for the site for the foreseeable future.

Section V – Achievable Market and Tax Credit Rent Analysis

We have conducted two achievable rent analyses. The first rent analysis establishes the market rent the proposed project could achieve without the limitations of the Tax Credit program or without consideration of the number of units proposed. The second rent analysis is the achievable Tax Credit rent. This is the Tax Credit rent the subject site could charge based upon the Tax Credit rents currently being achieved at existing comparable Tax Credit properties in the market. The selected Tax Credit comparables are discussed in greater detail later in this Executive Summary.

The eight selected market-rate projects have a combined total of 1,809 units with an overall occupancy rate of 98.6%. The selected properties represent modern market-rate product with a combination of one- to three-bedroom units. No modern conventional four-bedroom units existing in the market. We have utilized three-bedroom units in our four-bedroom rent evaluation.

Based on the Rent Comparability Grids found in Section V, we have established the present-day achievable market rents and the achievable Tax Credit for units at the proposed subject development. The estimated four-bedroom 60% AMI achievable rent and 70% AMI rents are based on the value to market rent. The subject rents are compared to the achievable market rents, achievable Tax Credit rents and maximum allowable Tax Credit rents, as well as the Fair Market Rents and 90% of the Fair Market Rents in the following table.

OHFA Derived Rent and Programmatic Rent Comparison Chart				
	One-Bedroom	Two-Bedroom	Three-Bedroom	Four-Bedroom
Proposed Collected Rents	**50% - $798 60% - $984 70% - $1,093**	**50% - $954 60% - $1,177 70% - $1,400**	**50% - $1,101 60% - $1,359 70% - $1,617**	**50% - $1,242 60% - $1,530 70% - $1,727**
Proposed Gross Rents	**50% - $930 60% - $1,116 70% - $1,225**	**50% - $1,116 60% - $1,339 70% - $1,562**	**50% - $1,290 60% - $1,548 70% - $1,806**	**50% - $1,438 60% - $1,726 70% - $1,923**
Achievable Market Rents	$1,150	$1,525	$1,750	$1,825
Utility Allowance*	$137	$186	$237	$287
Gross Achievable Market Rents	$1,287	$1,711	$1,987	$2,112
Proposed Rents Share of Market Rents	50% - 72.3% 60% - 86.7% 70% - 95.2%	50% - 65.2% 60% - 78.3% 70% - 91.3%	50% - 64.9% 60% - 77.9% 70% - 90.9%	50% - 68.1% 60% - 81.7% 70% - 91.1%
Achievable Tax Credit Rents	50% - $798 60% - $984 70% - $1,093	50% - $954 60% - $1,177 70% - $1,400	50% - $1,101 60% - $1,359 70% - $1,617	50% - $1,242 60% - $1,530 70% - $1,727
Utility Allowance	$137	$186	$237	$287
Gross Achievable Tax Credit Rents	50% - $930 60% - $1,116 70% - $1,225	50% - $1,116 60% - $1,339 70% - $1,562	50% - $1,290 60% - $1,548 70% - $1,806	50% - $1,438 60% - $1,726 70% - $1,923
Proposed Rents Share of Achievable Tax Credit Rents	50% - 100.0% 60% - 100.0% 70% - 100.0%	50% - 100.0% 60% - 100.0% 70% - 100.0%	50% - 100.0% 60% - 100.0% 70% - 100.0%	50% - 100.0% 60% - 100.0% 70% - 100.0%
Maximum Allowable Tax Credit Rents	50% - $930 60% - $1,116 70% - $1,302	50% - $1,116 60% - $1,339 70% - $1,562	50% - $1,290 60% - $1,548 70% - $1,806	50% - $1,438 60% - $1,726 70% - $2,014
Proposed Rents Share of Maximum Allowable Rents	50% - 100.0% 60% - 100.0% 70% - 94.1%	50% - 100.0% 60% - 100.0% 70% - 100.0%	50% - 100.0% 60% - 100.0% 70% - 100.0%	50% - 100.0% 60% - 100.0% 70% - 95.5%
Fair Market Rents	$941	$1,163	$1,426	$1,577
Proposed Rents Share of Fair Market Rents	50% - 84.8% 60% - 104.6% 70% - 116.2%	50% - 82.0% 60% - 101.2% 70% - 120.4%	50% - 77.2% 60% - 95.3% 70% - 113.4%	50% - 78.8% 60% - 97.0% 70% - 109.5%
90% of Fair Market Rents	$847	$1,047	$1,283	$1,419
Proposed Rents Share of 90% of Fair Market Rents	50% - 94.2% 60% - 116.2% 70% - 129.0%	50% - 91.1% 60% - 112.4% 70% - 133.7%	50% - 85.8% 60% - 105.9% 70% - 126.0%	50% - 87.5% 60% - 107.8% 70% - 121.7%

Note the above achievable rent calculations utilize gross rents that include the estimated cost of all utilities.
*The source for the utility values is the local housing authority

The proposed gross rents are 64.9% to 95.2% of the of the achievable gross market rents and should therefore represent a good to moderate value for the local market. Typically, 60% AMI Tax Credit rents are set 10% or more below achievable market rents to ensure that the project will have an adequate flow of tenants. The proposed 60% AMI rents are at least 13.3% below the estimated achievable rents. The maximum allowable 50% and 60% AMI rents are considered achievable. We do not recommend increasing the 70% AMI rents until the property has stabilized, as these rents are untested among the current affordable alternatives, which are capped at 60% AMI. All of the proposed 70% AMI rents represent less than a 10% advantage.

Section VI – Income-Eligible Households

Construction of the subject project is expected to be complete in 2025. Based on the distribution of households by income found in the Demographic Trends section of this report, an estimated 4,879 income-qualified renter households will reside within the Site PMA. The 216 units at the subject site represent a required capture of 4.4%. The 4.4% capture rate for the proposed project is considered low and achievable. The 2.6% vacancy rate among existing LIHTC product is very low an indication of ongoing pent-up demand. With the increasing number of renter households projected in the Site PMA, this demand is expected to increase.

The capture rates for the targeted AMI levels are 2.9%, 1.3% and 1.8% for 50%, 60% and 70% AMI units, respectively. These are all low and achievable ratios.

Section VII – Area Analysis and Description of Public Services

The proposed site is southeast of Twin Creeks Drive in Columbus, Franklin County, Ohio. The site is 7.5 miles north of downtown Columbus. The proposed site is approximately 17.4 acres and currently consists of mature trees. The proposed site is in an established area of western Columbus. A few nearby commercial structures and recreational land uses are in very good condition, which adds to the area's desirability. No significant nuisances were documented at the time of the site visit and research. Visibility is considered limited, while access is considered good.

The site is in proximity to opportunities for employment, shopping, recreation, entertainment and education. Health and safety services are within 4.7 miles. The site has convenient access to major highways and public transportation. Overall, we consider the site's location and proximity to community services to have a positive effect on its marketability.

Site and Neighborhood Area Condition Summary			
Current Site:	Undeveloped	**Site Visibility:**	Limited
Access to Services:	Good	**Site Vehicular Access:**	Good
Current Neighborhood:	Good	**Trend:**	Stable
Predominant Neighborhood Land Use:	Residential, Commercial		
Subject Site Walk Score*:	6 (Car Dependent): "Almost all errands require a car."		

*Source: www.walkscore.com. Walk Score is a measurement of the walkability of an address, ranging from 0 to 100 (0 being least walkable and 100 being most walkable). The score is based on Walkscore.com's patented system of methodology that includes analyses of road metrics, population density and pedestrian routes to nearby services and amenities.

Section VIII – Federally Subsidized and Tax Credit Properties

The 1,245 existing Tax Credit and federally subsidized units in the market has been considered. Based on the same calculation process used for the subject site, the income-eligible range for the existing and proposed Tax Credit and federally subsidized units is $80,570 and below. An estimated 8,720 renter households with eligible incomes will reside within the Site PMA in 2025. The existing and proposed Tax Credit and subsidized units represent a penetration rate of 16.7% of the income-eligible renter households, which is summarized in the following table.

	Affordable Penetration Rate Calculation
Number of LIHTC and Subsidized Units (Proposed and Existing)	1,461
Income-Eligible Renter Households – 2025	/ 8,720
Overall Market Penetration Rate	= 16.7%

It is our opinion that the 16.7% penetration rate for the LIHTC and federally subsidized units is achievable, particularly when considering the limited vacancies and increasing renter households projected in the market.

Section IX – Rental Housing Supply Analysis

We identified and personally surveyed 62 conventional housing projects containing a total of 11,971 units within the Site PMA during our in-person survey in January 2023. This survey was conducted to establish the overall strength of the rental market and to identify those properties most comparable to the subject site. These rentals have a combined occupancy rate of 98.1%, a high rate for rental housing. The following table summarizes the breakdown of conventional housing units surveyed within the Site PMA.

Summary of Conventional Apartments Survey

Project Type	Projects Surveyed	Total Units	Vacant Units	Occupancy Rate	Under Construction
Market-rate	47	10,570	198	98.1%	293
Market-rate/Tax Credit	2	240	30	87.5%	0
Market-rate/Tax Credit/Government-Subsidized	1	100	0	100.0%	0
Tax Credit	4	352	0	100.0%	0
Tax Credit/Government-Subsidized	6	600	0	100.0%	0
Government-Subsidized	2	109	0	100.0%	0
Total	**62**	**11,971**	**228**	**98.1%**	**293**

Source: VSI Field Survey

As the preceding table illustrates, all project types identified within the Site PMA are reporting occupancy rates ranging from 87.5% to 100.0%. The 87.5% occupancy among the market-rate/Tax Credit properties is due to all 30 vacancies being at Pine Crossing, which is in lease-up after a portion of its units were repaired following fire damage. When omitting this property, all income-restricted and mixed-income product surveyed in the Site PMA is fully occupied, indicating a rental housing market where demand exceeds supply.

Section X – Comparable Tax Credit Analysis

Of the LIHTC properties in the Site PMA, five were selected as most comparable to the site. These properties target households up 60% of Area Median Income (AMI). Whispering Creek Apartments is considered most comparable to the site given its age, unit types offered and size of the project. We have also included one out-of-market comparable, Golf Pointe Apartments, which is just west of the Site PMA, outside the boundaries of the market area. The six selected LIHTC properties and the subject development as proposed are summarized as follows.

Comparable Tax Credit Projects									
Map ID	Project Name	Year Opened/ Renovated	Total Units	Occup. Rate	Distance To Site	Waiting List	Target Market	Ratings	
								Q.R.	N.R.
Site	**West Fork**	**2025**	**216**	**-**	**-**	**-**	**Families; 50%, 60% & 70% AMI**	**A**	**B**
3	Pine Crossing	1972 / 1997	79*	79.7%	0.3 Miles	3-br: 2 H.H.	Families; 60% AMI	C+	B
5	Whispering Creek Apts.	2020	188	100.0%	1.9 Miles	6-12 months	Families; 60% AMI	A	B
26	Wheatland Crossing II	2021	64	100.0%	3.6 Miles	70 H.H.	Families; 30%, 50% & 60% AMI & Section 811	A	B
54	Willow Bend Twnhms.	1992 / 2012	92	100.0%	3.7 Miles	10 H.H.	Families; 60% AMI	B	B
57	Country Ridge Apts.	1998 / 2013	96	100.0%	4.6 Miles	16 H.H.	Families; 50% & 60% AMI & Section 8	B+	A
901	Golf Pointe Apts.	2002 / 2018	228	99.1%	5.7 Miles	None	Families; 50% & 60% AMI	B+	B

Source: VSI Field Survey
900 Series map codes located outside the PMA
Occup. – Occupancy
H.H. – Households
Q.R. – Quality Rating
N.R. – Neighborhood Rating
*Market-rate units not included

The six LIHTC projects have a combined occupancy rate of 97.6%. The vacancy rate at Pine Crossing is attributed to the project restabilizing after units were fire-damaged in the Spring of 2022. This project is in the process of leasing recently renovated units. Five of these projects have waiting lists for at least a portion of their units. The site will offer the first 70% AMI units, targeting moderately higher-income renters than existing LIHTC alternatives.

Gross rents (which include collected/street rents plus the cost of tenant-paid utilities) for the six LIHTC projects and the proposed rents at the subject site are listed in the following table:

Map ID	Project Name	Gross Rent/Percent of AMI (Units) One-Br.	Two-Br.	Three-Br.	Four-Br.
Site	**West Fork**	**$930/50% (36) $1,116/60% (21) $1,225/70% (15)**	**$1,116/50% (27) $1,339/60% (14) $1,562/70% (31)**	**$1,290/50% (12) $1,548/60% (8) $1,806/70% (16)**	**$1,438/50% (12) $1,726/60% (6) $1,923/70% (18)**
3	Pine Crossing	$972/60% (10)	$1,135/60% (59)	$1,409/60% (10)	-
5	Whispering Creek Apts.	$1,054/60% (52)	$1,266/60% (84)	$1,461/60% (36)	$1,630/60% (16)
26	Wheatland Crossing II	$439/30% (1) $740/SUB/50% (11) $832/60% (3)	$515/30% (5) $915/50% (6) $946/60% (28) $1,000/60% (2)	$558/30% (1) $1,028/50% (2) $1,105/60% (5)	-
54	Willow Bend Twnhms.	-	-	$1,078-$1,113/60% (30) $1,174/60% (62)	-
57	Country Ridge Apts.	-	$1,013/50% (8) $1,161-$1,301/SUB/50% (10) $1,136/60% (12) $1,261/SUB/60% (18)	$1,299/SUB/50% (2) $1,299/60% (19) $1,590/SUB/60% (27)	-
901	Golf Pointe Apts.	$874/50% (29) $953/60% (71)	$1,026/50% (28) $1,166/60% (84)	$1,343/60% (16)	-
	Weighted Average/Percent of AMI	**$439/30% $874/50% $990/60%**	**$515/30% $1,008/50% $1,165/60%**	**$558/30% $1,028/50% $1,259/60%**	**$1,630/60%**
	Max Allowable Rent/Percent of AMI	*$527/30% $878/50% $1,054/60% $930/50%* $1,116/60%* $1,302/70%**	*$633/30% $1,054/50% $1,266/60% $1,116/50%* $1,339/60%* $1,562/70%**	*$730/30% $1,218/50% $1,461/60% $1,290/50%* $1,548/60%* $1,806/70%**	*$1,630/60% $1,438/50%* $1,726/60%* $2,014/70%**

Source: VSI Field Survey
SUB – Subsidized (residents pay 30% of their incomes, as this is a government-subsidized property that also operates under the Tax Credit program)
900 Series map codes located outside the PMA
*2023 Maximum allowable

The proposed subject gross rents of $1,930 to $1,923 are mostly set at the recently released 2023 maximum allowable levels, with the 70% AMI one- and four-bedroom rents moderately below the maximum allowable. The comparables were limited to the 2022 rent limits at the time of our survey. Whispering Creek is achieving the maximum allowable 2022 60% AMI rent and is most comparable to the site. The 70% AMI rents are currently untested among affordable alternatives, which are limited to 60% AMI. These units will target moderately higher income renters. We have concluded the proposed rents to be achievable based on their value to market rent, rents at area comparables and demographic depth to support the site.

Section XI – Public Housing Authority Concerns and Issues

As required by the Ohio Housing Finance Agency, VSI contacted the local Public Housing Authority (PHA). The housing authority did not respond to our request for their opinion regarding the proposed development. VSI will notify both the applicant and Ohio Housing Finance Agency if the housing authority responds to our request. An evaluation of any issues or concerns raised by the housing authority would then be forwarded as well. A copy of the letter sent can be found on page XI-2 of this report.

II. Project Description

The subject of this report, West Fork, involves the proposed new construction of 216 units of affordable rental housing for general occupancy households in western portion of Columbus, Franklin County, Ohio.

West Fork is proposed to be developed with Low-Income Housing Tax Credit financing, targeting family households with incomes up to 50%, 60% and 70% of Area Median Income (AMI).

The unit mix will include 72 one-bedroom garden units, 72 two-bedroom garden units, 36 three-bedroom garden units and 36 four-bedroom garden units. The proposed Tax Credit collected rents are $798 to $1,093 for a one-bedroom unit, $954 to $1,400 for a two-bedroom unit, $1,101 to $1,617 for a three-bedroom unit and $1,242 to $1,727 for a four-bedroom unit.

The new construction site is anticipated to be complete in 2025.

Project Name

West Fork

Property Location

Twin Creeks Drive
Columbus, Franklin County, Ohio 43204

Project Type

Proposed

Low-Income Housing Tax Credit

Unit Configuration and Rents

West Fork (Proposed Site)										
# of Units	Number of Beds (Style)	# of Baths	Square Feet	Affordable to What % of AMI	Occupied by What % of AMI	Gross Rents	Tenant-Paid Utilities	Rental Subsidy*	Net Rents	Maximum LIHTC Gross Rents
36	1.0 (Garden)	1.0	749	50%	50%	$930	$132	$0	$798	$930
21	1.0 (Garden)	1.0	749	60%	60%	$1,116	$132	$0	$984	$1,116
15	1.0 (Garden)	1.0	749	70%	70%	$1,225	$132	$0	$1,093	$1,302
27	2.0 (Garden)	2.0	1,052	50%	50%	$1,116	$162	$0	$954	$1,116
14	2.0 (Garden)	2.0	1,052	60%	60%	$1,339	$162	$0	$1,177	$1,339
31	2.0 (Garden)	2.0	1,052	70%	70%	$1,562	$162	$0	$1,400	$1,562
12	3.0 (Garden)	2.0	1,187	50%	50%	$1,290	$189	$0	$1,101	$1,290
8	3.0 (Garden)	2.0	1,187	60%	60%	$1,548	$189	$0	$1,359	$1,548
16	3.0 (Garden)	2.0	1,187	70%	70%	$1,806	$189	$0	$1,617	$1,806
12	4.0 (Garden)	2.0	1,437	50%	50%	$1,438	$196	$0	$1,242	$1,438
6	4.0 (Garden)	2.0	1,437	60%	60%	$1,726	$196	$0	$1,530	$1,726
18	4.0 (Garden)	2.0	1,437	70%	70%	$1,923	$196	$0	$1,727	$2,014
216										

Source: Kittle Property Group
AMI – Area Median Income (Columbus, OH HUD Metro FMR Area (2023))

Target Market

Low-income families with incomes up to 50%, 60% and 70% of AMI.

Project Design

The site will contain walk-up two- and three-story buildings

Projected Opening Year

2025

Site Size

17.4 acres

Unit Amenities

- Refrigerator
- Microwave
- Carpet & LVT Flooring
- Patio/Balcony
- Pantry
- Dishwasher
- Range
- Window Blinds
- Ceiling Fan
- Storage (Select)
- Garbage Disposal
- Central Air Conditioning
- Washer/Dryer
- Walk-in Closets

Community Amenities

- Activity Room
- Playground
- Surveillance Cameras
- Dog Park/Pet Care Area
- On-site Management
- Lounge
- Business/Computer Center
- Picnic/Barbeque Area
- Clubhouse
- Fitness Center
- Storage (Optional)

Utility Responsibility

The following table illustrates the type of utilities as well as the distribution of utilities by payer responsibility.

Subject Utility Type and Responsibility with Cost Estimates						
Utility	**Tenant**	**Landlord**	**1-Br.**	**2-Br.**	**3-Br.**	**4-Br.**
General Electricity	X	-	N/A	N/A	N/A	N/A
Heating	Electric	-	N/A	N/A	N/A	N/A
Hot Water	Electric	-	N/A	N/A	N/A	N/A
Cooking	Electric	-	N/A	N/A	N/A	N/A
Cold Water	X	-	N/A	N/A	N/A	N/A
Sewer	X	-	N/A	N/A	N/A	N/A
Trash Collection	-	X	-	-	-	-
Developer-Provided Utility Allowance Estimate			**$132**	**$162**	**$189**	**$196**

Parking

The subject site will offer open surface lot parking for residents and visitors. Detached garages will also be available for a fee of $100 per month.

Floor Plan/Site Plan Review

The site for the proposed multifamily project is located on the south side of Twin Creeks Drive, east of N. Wilson Road in the western portion of Columbus.

To access the site, residents will use Twin Creeks Drive. Detailed site and floor plans were not available for review at the time of this analysis. The clubhouse, with a fitness center, business center and on-site management offices will be located near the main entry. The site will also offer a bark park, playground, and barbeque and picnic areas.

The one-bedroom/1.0-bath units will offer 749 square feet of living space, the two-bedroom/2.0-bath units will offer 1,052 square feet of living space, the three-bedroom/2.0 bath units will offer 1,187 square feet of living space and the 4-bedroom/2.0-bath units will offer 1,437 square feet of living space. These unit sizes are competitively sized with respect to existing comparable multifamily projects in the area.

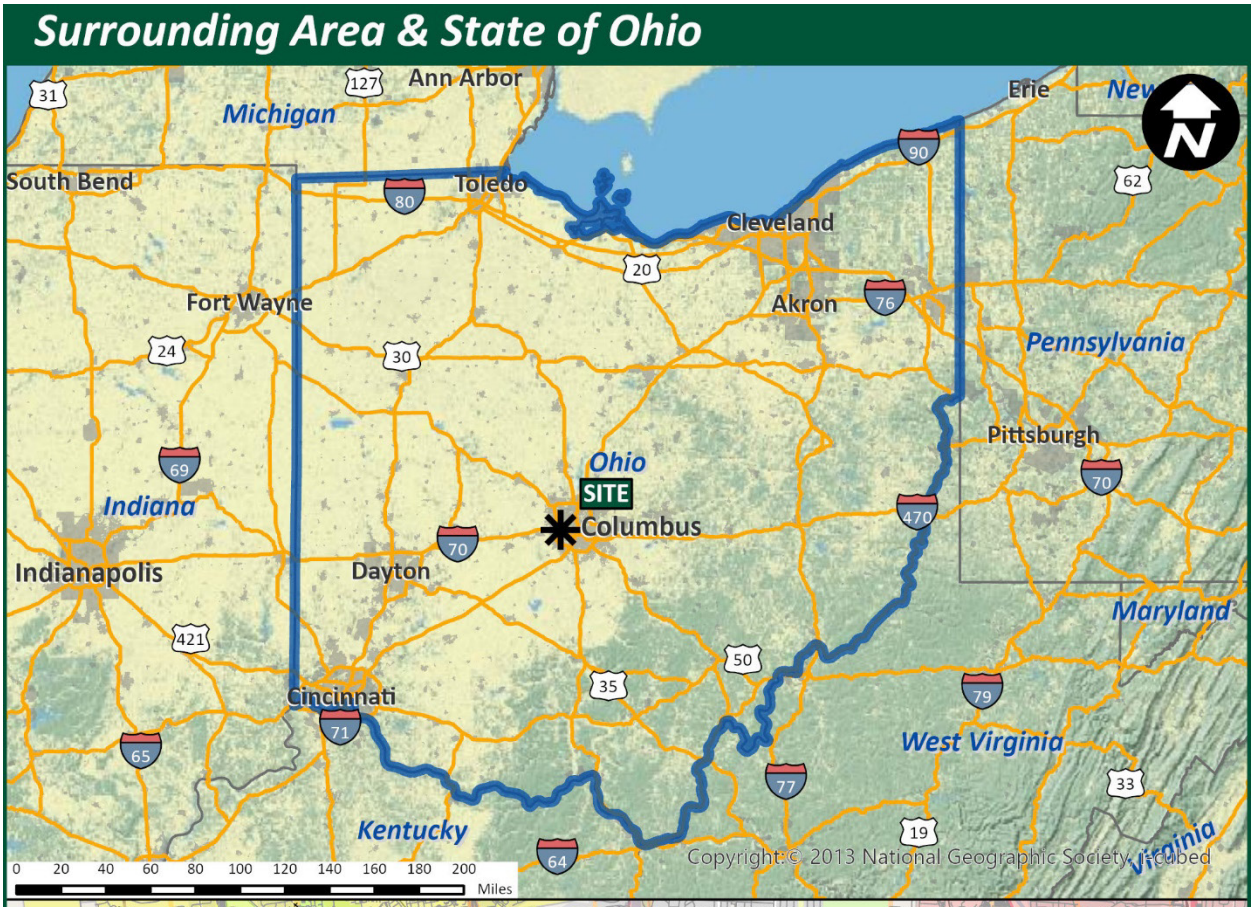
The proposed units will include a kitchen with an electric range, refrigerator, dishwasher, garbage disposal and microwave. Units will also be equipped with central air-conditioning, carpet and LVT flooring, pantry, window blinds, washer/dryer, a patio/deck/balcony, ceiling fans and walk-in closets.

Based on our evaluation, the subject site's unit sizes and amenities will be marketable to the targeted low-income general occupancy households in the market.

Statistical Area

Columbus, Ohio HUD Metro FMR Area (2023)

A state map and area map are on the following page.


Surrounding Area & State of Ohio
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Toledo
South Bend
Fort Wayne
Cleveland
Akron
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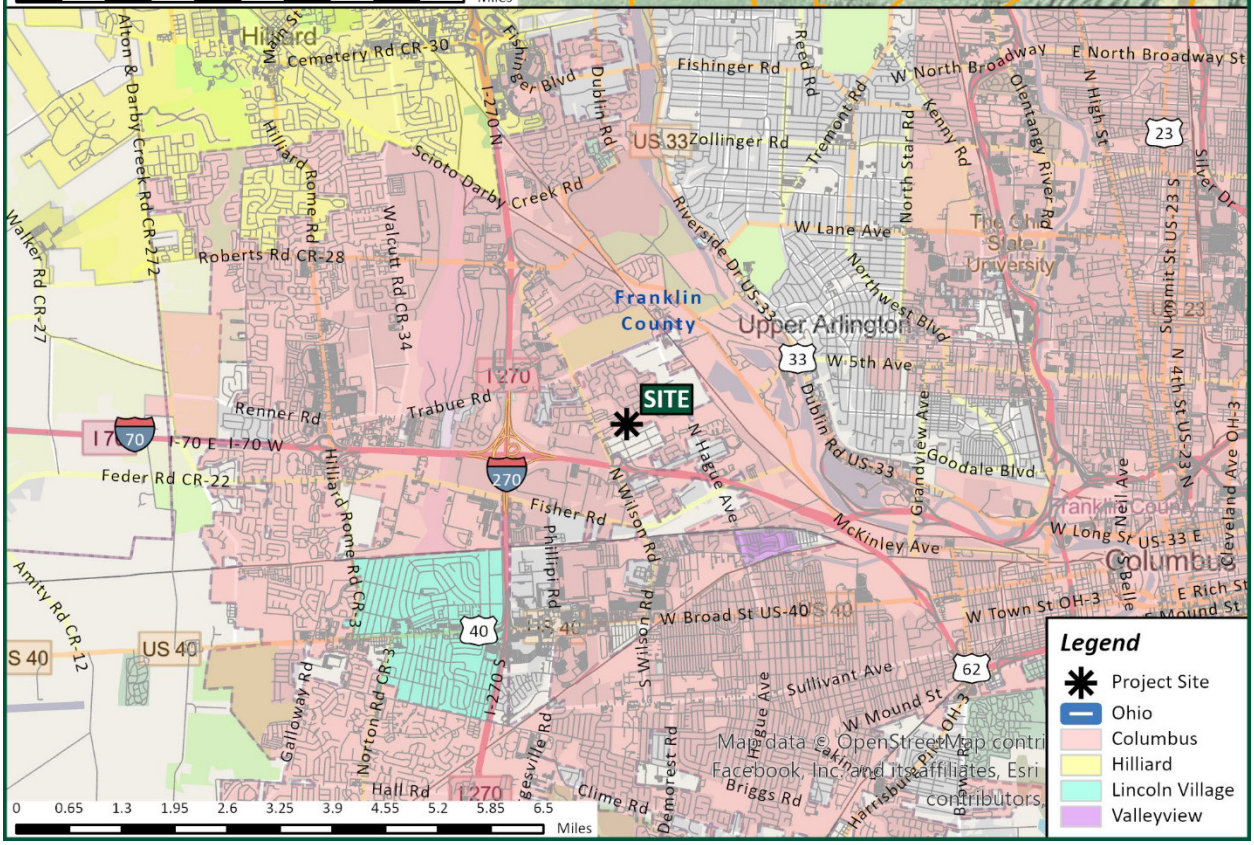
Hilliard
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Fishinger Blvd
Dublin Rd
Fishinger Rd
Reed Rd
W North Broadway
E North Broadway St
Tremont Rd
Kenny Rd
Olentangy River Rd
N High St
Alton & Darby Creek Rd CR-272
Hilliard Rome Rd
Scioto Darby Creek Rd
I-270 N
US 33
Zollinger Rd
Walker Rd CR-27
Roberts Rd CR-28
Walcutt Rd CR-34
Riverside Dr US-33
North Star Rd
W Lane Ave
The Ohio State University
Northwest Blvd
Franklin County
Upper Arlington
W 5th Ave
Dublin Rd US-33
Grandview Ave
Goodale Blvd
Summit St US-23 S
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Silver Dr
Renner Rd
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Feder Rd CR-22
N Hague Ave
N Wilson Rd
Fisher Rd
McKinley Ave
W Long St US-33 E
Columbus
Cleveland Ave OH-3
Amity Rd CR-12
Hilliard Rome Rd CR-3
Philippi Rd
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US 40
W Broad St US-40
W Town St OH-3
E Rich St
E Mound St
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Clime Rd
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Map data © OpenStreetMap contri
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contributors
0 0.65 1.3 1.95 2.6 3.25 3.9 4.55 5.2 5.85 6.5
Miles
Legend
Project Site
Ohio
Columbus
Hilliard
Lincoln Village
Valleyview

III. Primary Market Area (PMA) Delineation

The Primary Market Area (PMA) is the geographic area where the majority of support for the proposed subject site is expected to originate, where the community services that site residents will likely utilize are located and/or where comparable housing alternatives exist. The Columbus Site PMA was determined based on interviews with area leasing agents. In addition, the personal observations of our field analysts, including information regarding physical and socioeconomic differences in the market, and a demographic analysis of the area's households and population, were also considered.

The Columbus Site PMA comprises a portion of the far western area of Columbus, including the Valleyview and Lincoln Village neighborhoods as well as a small portion of Hilliard.

The significant boundaries of the Columbus Site PMA include:

North: Heritage Golf Club, Scioto Darby Creek Road and railroad tracks

East: Scioto River and Interstate 70

South: U.S. Highway 40

West: Alton Darby Creek Road

Ms. Rhonda, manager at Whispering Creek Apartments, reported that a majority of her residents were from the west side of Columbus, with supplemental support from throughout Columbus and the western suburban communities.

Jill Andrews, leasing advisor for Meadowood Apartments (Map ID 2), a market-rate property east of the site, said approximately 90% of her tenant support originates from the Columbus area. Ms. Andrews also stated her belief that renters base their preferences on proximity to employment opportunities and family.

Paula Toler, property manager for the market-rate Scioto Fairway Woods Apartments (Map ID 10) northeast of the site, said a majority of her tenants are longtime Columbus residents. Ms. Toler stated her belief that most of her tenants based their preference on proximity to employment opportunities.

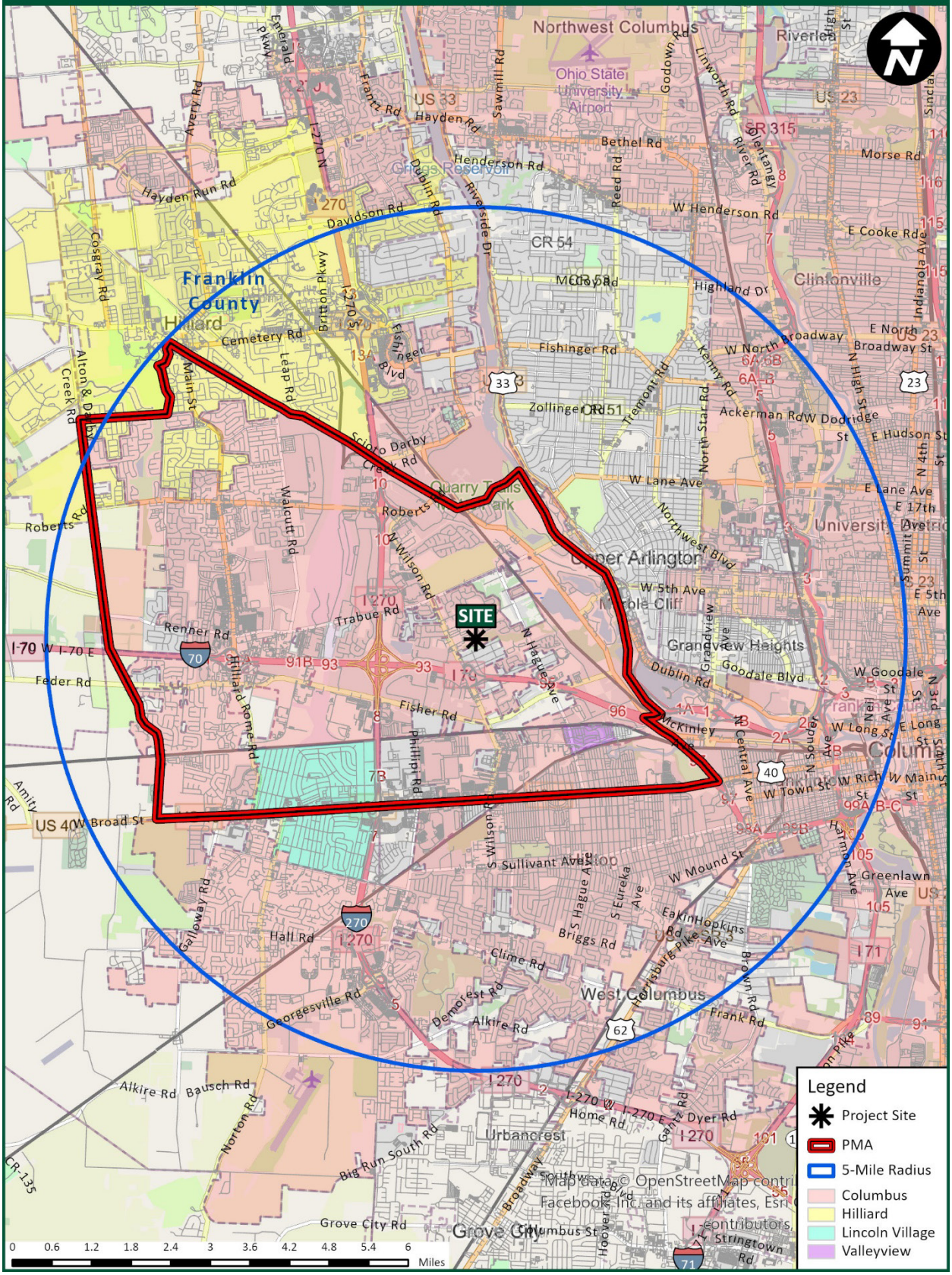
Tammie Enright is property manager of Murray Commons (Map ID 23), a senior-restricted, government-subsidized property southwest of the site. Ms. Enright said all of her tenant support is from the Columbus area, which she attributed to the 62 and older age restriction. She stated her belief that renters base their preferences on proximity to family members.

The Columbus Site PMA boundaries were influenced by the area's geographic and socioeconomic features. Areas north of the Site PMA were excluded as communities in this direction are generally populated by homeowners with higher income levels who would not meet the qualifications for low-income housing. The Ohio State University and downtown central Columbus are east of the Site PMA. These areas consist primarily of student and urban housing options, respectively. Rural land and large recreational land uses, including Battelle Darby Creek Metro Park, are south and west of the site. These areas are sparsely populated and are not expected to generate support for the site.

The far northwestern portion of the Site PMA extends just beyond a 5.0 mile radius from the site. A modest portion of support will come from some other areas of Franklin County and suburban communities in the area. We do not, however, anticipate this support component will be significant. Therefore, we have not considered a secondary market area in this report.

A map delineating the boundaries of the Site PMA is included on the following page.

Primary Market Area



IV. Demographic Trends and Economic Analysis

Demographic Trends

The following section discusses the population, household, income and crime trends within the Site PMA.

Population Trends

The population of the Site PMA was 69,292 in 2010. Between 2010 and 2020, the population base increased by 6,754 in the Columbus Site PMA. This represents a 9.7% increase from the 2010 population, or an annual rate of 1.0%. The Site PMA population bases are summarized as follows:

	Year			
	2010 (Census)	2020 (Census)	2022 (Estimated)	2027 (Projected)
Population	69,292	76,046	77,516	79,214
Population Change	-	6,754	1,470	1,698
Percent Change	-	9.7%	1.9%	2.2%

Source: 2000, 2010 Census; ESRI; Urban Decision Group; VSI

The population grew by 1,470, or 1.9%, between 2020 and 2022. Projections indicate a population increase of 1,698, or 2.2%, between 2022 and 2027.

The summary of the Site PMA population bases by age follow:

Population by Age	2010 (Census)		2022 (Estimated)		2027 (Projected)		Change 2022-2027	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
19 & Under	19,839	28.6%	21,473	27.7%	21,860	27.6%	387	1.8%
20 to 24	5,349	7.7%	4,739	6.1%	5,030	6.3%	291	6.1%
25 to 34	13,970	20.2%	13,989	18.0%	14,420	18.2%	431	3.1%
35 to 44	10,788	15.6%	12,423	16.0%	11,963	15.1%	-460	-3.7%
45 to 54	9,234	13.3%	9,421	12.2%	9,495	12.0%	74	0.8%
55 to 64	5,799	8.4%	7,987	10.3%	7,689	9.7%	-298	-3.7%
65 to 74	2,597	3.7%	4,856	6.3%	5,532	7.0%	676	13.9%
75 & Over	1,716	2.5%	2,628	3.4%	3,225	4.1%	597	22.7%
Total	**69,292**	**100.0%**	**77,516**	**100.0%**	**79,214**	**100.0%**	**1,698**	**2.2%**

Source: 2010 Census; ESRI; Urban Decision Group; VSI

Population projections illustrate the contraction of the 35 to 44 and 55 to 64 age cohorts within the Site PMA from 2022 to 2027 and the expansion of all others. The highest rates of population growth are expected among those age 65 and older, with high net gains in population among those below the age of 35 as well.

Household Trends

The number of households in the Site PMA was 27,730 in 2010. Households increased by 3,063 (11.0%) within the Columbus Site PMA between 2010 and 2020. A summary of household trends within the Columbus Site PMA follows:

	Year			
	2010 (Census)	2020 (Census)	2022 (Estimated)	2027 (Projected)
Households	27,730	30,793	31,494	32,207
Household Change	-	3,063	701	713
Percent Change	-	11.0%	2.3%	2.3%
Household Size	2.50	2.47	2.45	2.45

Source: 2000, 2010 Census; ESRI; Urban Decision Group; VSI

Households increased by 701, or 2.3%, between 2020 and 2022. In 2027, 32,207 households will reside in the Site PMA, which represents an increase of 713 (2.3%) over 2022 levels. This growth of approximately 143 households annually over the next five years reflects the need for new housing.

The following table illustrates the Site PMA household bases by age.

Households by Age	2010 (Census)		2022 (Estimated)		2027 (Projected)		Change 2022-2027	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Under 25	2,052	7.4%	1,669	5.3%	1,894	5.9%	225	13.5%
25 to 34	7,225	26.1%	7,305	23.2%	7,476	23.2%	171	2.3%
35 to 44	6,176	22.3%	7,260	23.1%	6,985	21.7%	-275	-3.8%
45 to 54	5,500	19.8%	5,564	17.7%	5,635	17.5%	71	1.3%
55 to 64	3,712	13.4%	4,922	15.6%	4,708	14.6%	-214	-4.3%
65 to 74	1,732	6.2%	3,039	9.6%	3,406	10.6%	367	12.1%
75 to 84	981	3.5%	1,307	4.1%	1,585	4.9%	278	21.3%
85 & Over	352	1.3%	428	1.4%	518	1.6%	90	21.0%
Total	**27,730**	**100.0%**	**31,494**	**100.0%**	**32,207**	**100.0%**	**713**	**2.3%**
Median	**42.4 years**		**44.3 years**		**44.6 years**		**+0.3 years**	

Source: 2010 Census; ESRI; Urban Decision Group; VSI

Projections indicate that households between the ages of 35 to 44 and 55 to 64 will decrease between 2022 and 2027, while all other age cohorts will increase. Households that project the largest increase are age 65 and older and those below age 35.

Households by tenure are distributed as follows:

Tenure	2010 (Census)		2022 (Estimated)		2027 (Projected)	
	Number	Percent	Number	Percent	Number	Percent
Owner-Occupied	16,332	58.9%	18,404	58.4%	18,908	58.7%
Renter-Occupied	11,398	41.1%	13,090	41.6%	13,299	41.3%
Total	**27,730**	**100.0%**	**31,494**	**100.0%**	**32,207**	**100.0%**

Source: 2010 Census; ESRI; Urban Decision Group; VSI

Homeowner households accounted for 58.4% and renter households accounted for 41.6% of all occupied housing in 2022. The share of renter households is relatively high and the number of renter households represents a broad and expanding base of potential support in the market for the subject development.

Household sizes by tenure are distributed as follows:

Persons Per Renter Household	2022 (Estimated)		2027 (Projected)		Change 2022-2027	
	Households	Percent	Households	Percent	Households	Percent
1 Person	4,125	31.5%	4,190	31.5%	65	1.6%
2 Persons	3,817	29.2%	3,920	29.5%	103	2.7%
3 Persons	2,063	15.8%	2,144	16.1%	81	3.9%
4 Persons	1,398	10.7%	1,354	10.2%	-44	-3.1%
5 Persons+	1,687	12.9%	1,691	12.7%	3	0.2%
Total	**13,090**	**100.0%**	**13,299**	**100.0%**	**209**	**1.6%**

Source: 2010 Census; ESRI; Urban Decision Group; VSI

Persons Per Owner Household	2022 (Estimated)		2027 (Projected)		Change 2022-2027	
	Households	Percent	Households	Percent	Households	Percent
1 Person	5,238	28.5%	5,436	28.7%	198	3.8%
2 Persons	6,802	37.0%	6,912	36.6%	110	1.6%
3 Persons	2,766	15.0%	2,809	14.9%	43	1.6%
4 Persons	1,978	10.8%	2,038	10.8%	60	3.0%
5 Persons+	1,620	8.8%	1,715	9.1%	95	5.9%
Total	**18,404**	**100.0%**	**18,910**	**100.0%**	**506**	**2.7%**

Source: 2010 Census; ESRI; Urban Decision Group; VSI

The subject's one- to four-bedroom units will serve virtually all renter household sizes within the Site PMA. Renters are expected to increase by 1.6% overall, with projected increases in households among all but four-person renter household sizes over the next five years.

Income Trends

The distribution of households by income and the median income by tenure within the Columbus Site PMA are summarized as follows:

Household Income Range	2010 (Census)		2022 (Estimated)		2027 (Projected)	
	Households	Percent	Households	Percent	Households	Percent
Less than $10,000	1,759	6.3%	1,194	3.8%	884	2.7%
$10,000 to $19,999	2,155	7.8%	1,648	5.2%	1,255	3.9%
$20,000 to $29,999	2,499	9.0%	1,822	5.8%	1,399	4.3%
$30,000 to $39,999	3,147	11.3%	2,400	7.6%	1,959	6.1%
$40,000 to $49,999	2,878	10.4%	2,015	6.4%	1,763	5.5%
$50,000 to $59,999	2,702	9.7%	2,451	7.8%	2,049	6.4%
$60,000 to $74,999	3,583	12.9%	3,595	11.4%	3,626	11.3%
$75,000 to $99,999	4,143	14.9%	4,309	13.7%	4,241	13.2%
$100,000 to $124,999	2,394	8.6%	4,982	15.8%	5,731	17.8%
$125,000 to $149,999	1,058	3.8%	2,324	7.4%	2,851	8.9%
$150,000 to $199,999	1,013	3.7%	2,987	9.5%	3,997	12.4%
$200,000+	399	1.4%	1,767	5.6%	2,454	7.6%
Total	**27,730**	**100.0%**	**31,494**	**100.0%**	**32,209**	**100.0%**
PMA Median Income	**$55,281**		**$78,609**		**$93,684**	
PMA Median Owner Income	**$69,806**		**$100,019**		**$112,947**	
PMA Median Renter Income	**$37,366**		**$56,803**		**$64,907**	
Franklin County Median Income	**$49,087**		**$68,297**		**$79,435**	
Columbus MSA Median Income	**$52,910**		**$73,432**		**$84,717**	
Ohio State Median Income	**$47,358**		**$62,419**		**$73,446**	
U.S. Median Income	**$47,185**		**$72,240**		**$84,271**	

Source: 2010 Census; ESRI; Detailed Tenure Crosstab by Urban Decision Group; VSI

The median household income in 2010 was $55,281. By 2022, it increased by 42.2% to $78,609. Projections indicate the median household income will be $93,684 by 2027, an increase of 19.2% over 2022.

The following tables illustrate renter household income by household size for the Columbus Site PMA:

Household Income Range	Renter Households 2010 (Census)					
	1-Person	2-Person	3-Person	4-Person	5-Person+	Total
Less than $10,000	502	344	223	145	186	1,400
$10,000 to $19,999	604	387	250	163	209	1,613
$20,000 to $29,999	534	391	253	165	211	1,553
$30,000 to $39,999	494	400	259	169	216	1,538
$40,000 to $49,999	407	329	213	139	177	1,264
$50,000 to $59,999	331	272	176	115	147	1,040
$60,000 to $74,999	440	364	235	153	196	1,389
$75,000 to $99,999	220	185	120	78	100	702
$100,000 to $124,999	138	116	75	49	63	442
$125,000 to $149,999	61	50	32	21	27	191
$150,000 to $199,999	61	50	32	21	27	191
$200,000 & Over	24	19	13	8	10	75
Total	**3,816**	**2,906**	**1,881**	**1,226**	**1,568**	**11,398**

Source: 2010 Census; ESRI; Detailed Tenure Crosstab by Urban Decision Group; VSI

Household Income Range	Renter Households 2022 (Estimated)					
	1-Person	2-Person	3-Person	4-Person	5-Person+	Total
Less than $10,000	359	268	145	98	118	987
$10,000 to $19,999	409	324	175	119	143	1,169
$20,000 to $29,999	384	303	164	111	134	1,096
$30,000 to $39,999	433	400	216	147	177	1,372
$40,000 to $49,999	345	320	173	117	141	1,097
$50,000 to $59,999	375	357	193	131	158	1,212
$60,000 to $74,999	545	528	286	194	234	1,786
$75,000 to $99,999	447	455	246	167	201	1,516
$100,000 to $124,999	387	402	217	147	178	1,332
$125,000 to $149,999	181	190	103	70	84	628
$150,000 to $199,999	165	168	91	62	74	560
$200,000 & Over	97	101	55	37	45	334
Total	**4,125**	**3,817**	**2,063**	**1,398**	**1,687**	**13,090**

Source: 2010 Census; ESRI; Detailed Tenure Crosstab by Urban Decision Group; VSI

Household Income Range	Renter Households 2027 (Projected)					
	1-Person	2-Person	3-Person	4-Person	5-Person+	Total
Less than $10,000	274	209	114	72	90	759
$10,000 to $19,999	279	251	137	87	108	862
$20,000 to $29,999	283	243	133	84	105	847
$30,000 to $39,999	390	359	196	124	155	1,223
$40,000 to $49,999	338	316	173	109	136	1,072
$50,000 to $59,999	377	349	191	121	151	1,189
$60,000 to $74,999	679	626	342	216	270	2,133
$75,000 to $99,999	563	550	301	190	237	1,842
$100,000 to $124,999	442	443	242	153	191	1,471
$125,000 to $149,999	220	229	125	79	99	751
$150,000 to $199,999	215	212	116	73	92	709
$200,000 & Over	131	133	73	46	57	441
Total	**4,190**	**3,920**	**2,144**	**1,354**	**1,691**	**13,299**

Source: 2010 Census; ESRI; Detailed Tenure Crosstab by Urban Decision Group; VSI

The capture and penetration rate analyses utilize data from the preceding tables.

Crime Risk

The FBI Uniform Crime Report (UCR) is the primary source for Crime Risk Data. The UCR is the compilation of data the FBI collects from each of roughly 16,000 separate law enforcement jurisdictions across the country. The current update reveals 95% overall coverage rate of all jurisdictions nationwide and a 97% of all metropolitan area jurisdictions.

Applied Geographic Solutions applies the UCR at the jurisdictional level to model seven types of crime at other levels of geography. The national average is the base for the Risk Index standards. The 100 Risk Index value for a precise risk indicates that, for the area, the risk's average probability is consistent across the United States.

It is notable the aggregate indexes for total crime, personal crime and property crime are not weighted; a murder is no more significant statistically than petty theft. Accordingly, exercise caution in their use.

The Columbus ZIP code's total crime risk of 132 is above the national index with an overall personal crime index of 121 and property crime index of 134. Franklin County's total crime risk of 132 is above the national index with indexes for personal and property crime of 104 and 137, respectively.

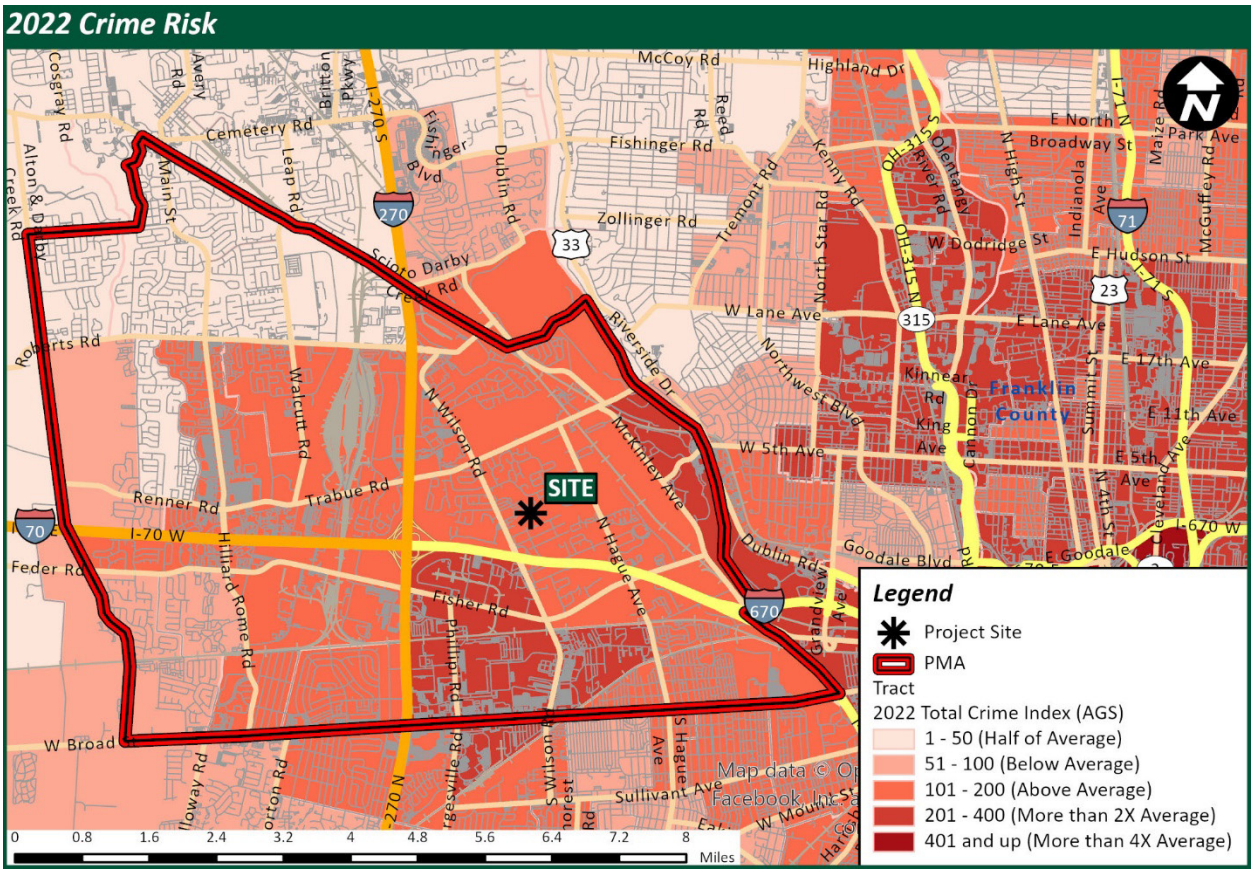
	Crime Risk Index	
	Site ZIP Code	Franklin County
Total Crime	**132**	**132**
Personal Crime	**121**	**104**
Murder	258	181
Rape	228	185
Robbery	179	182
Assault	81	61
Property Crime	**134**	**137**
Burglary	211	152
Larceny	111	134
Motor Vehicle Theft	167	132

Source: Applied Geographic Solutions

The crime risk within the Site ZIP Code is moderately higher than national trends and comparable to the risk within the overall county. The site will offer on-site management and surveillance cameras, enhancing the perception of safety at the property. Given the high occupancy rates of nearly all affordable alternatives in the market, we do not anticipate crime will negatively impact the marketability or operation of the proposed subject site.

A map illustrating the location of area crime risk by census block groups (BG) follows.

2022 Crime Risk



Economic Conditions and Trends

The following sections provide an overview of economic trends affecting the subject site as proposed. The site is located in the city of Columbus, which is located in Franklin County that is part of the 10-county Columbus, OH Metropolitan Statistical Area (Columbus MSA). This section includes an analysis of employment within both of these larger geographies and the Columbus Site Primary Market Area (PMA). This also includes an analysis of the employment of residents and unemployment rate trends. Major employers in the region are also listed. Finally, we comment on the trends affecting the subject site.

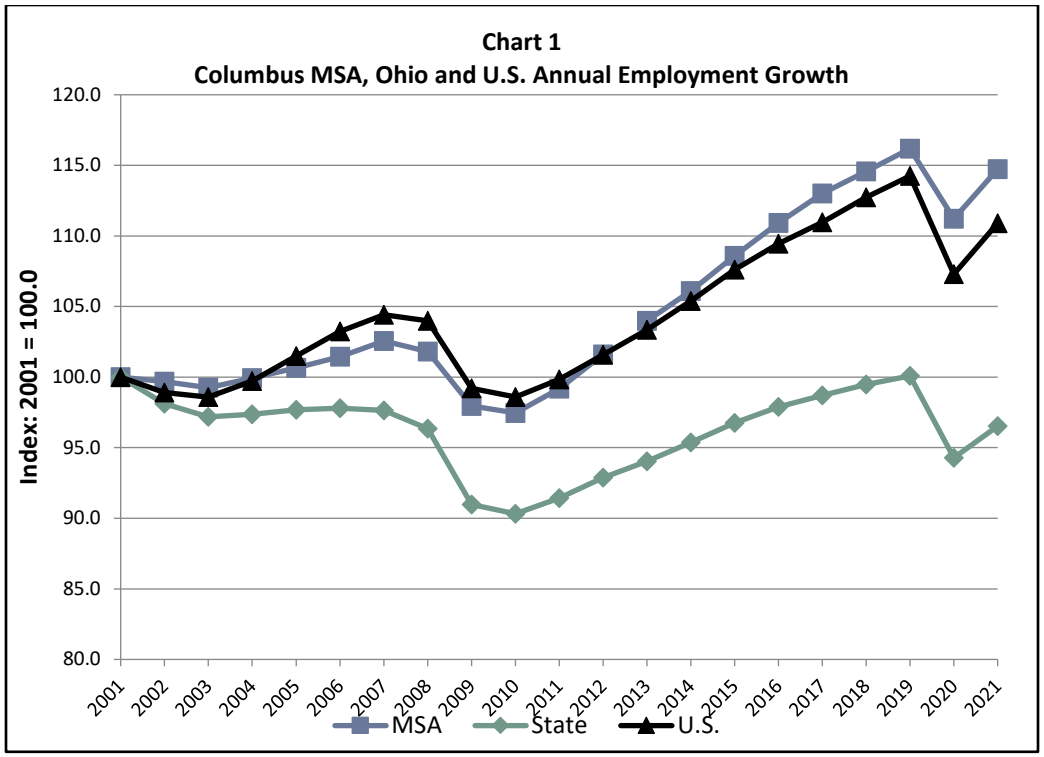
Metropolitan Employment

The trend and distribution of MSA-level employment is important to understand because MSAs are defined by the federal government based on the commuting patterns of workers. Consequently, the MSA is an economic unit from the standpoint of labor markets and it represents the nature and growth of jobs that workers in the PMA have available to them and are likely to fill. It must be emphasized, however, that some of these jobs will be filled by workers living outside the MSA, while some MSA residents may work outside the MSA. The former are counted here, but the latter are not. We consider first the overall, long-term and near-term employment growth trends and then the distribution of jobs in terms of both industries (where people work) and occupations (what they do).

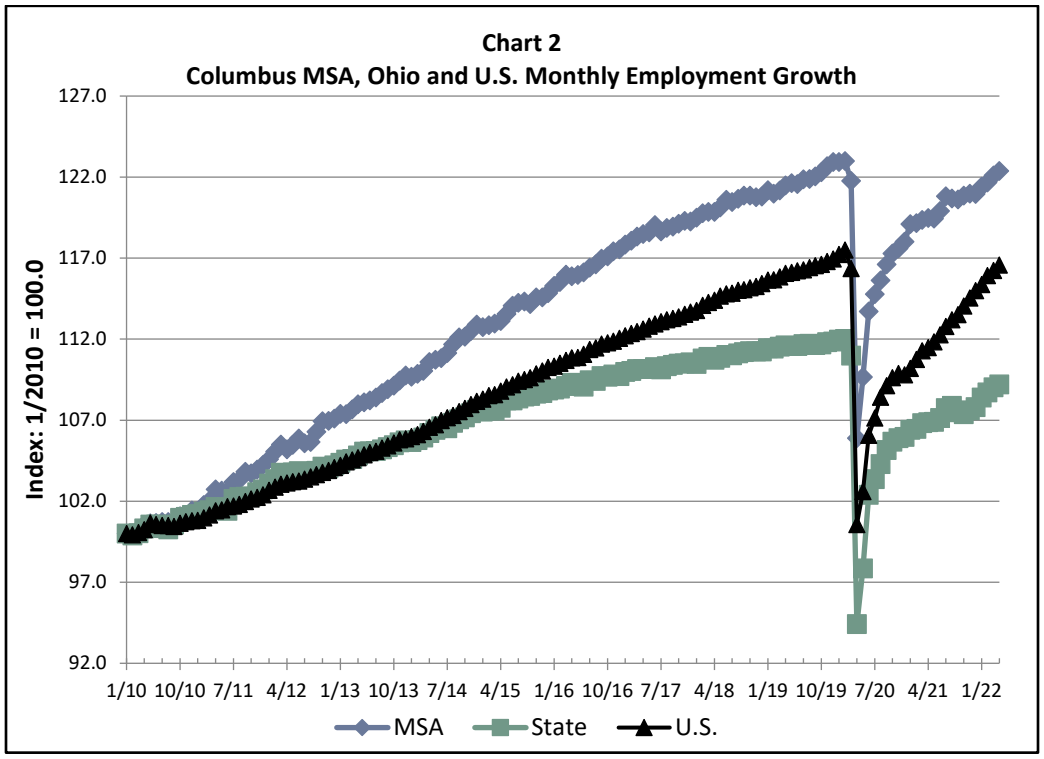
Jobs in the MSA by Industry

Charts 1 and 2 on the next page compare the trend of total payroll employment in the Columbus MSA to U.S. and statewide averages. Chart 1 illustrates the annual trend from 2001 through 2021, while Chart 2 shows the monthly employment trend since labor market growth resumed in January 2010. Employment growth is measured on an index basis, with all employment totals in 2001 or January 2010 set to 100.0; thus, the charts show cumulative percentage growth since those dates.

Chart 1 illustrates that, while the change in U.S. employment from 2001 to 2021 was 10.9%, the change in Ohio employment was -3.5% and the change in Columbus MSA employment was 14.7%. As Chart 2 shows, the change in MSA employment was 22.4% between January 2010 and April 2022, compared to 9.2% for Ohio and 16.6% for the U.S. Note that both Perry and Hocking counties had been added to the 2013 definition of the Columbus MSA. The 2013 through 2021 MSA data points reflect the employment under the new definition.



Source: U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages



Source: U.S. Bureau of Labor Statistics, Current Employment Statistics

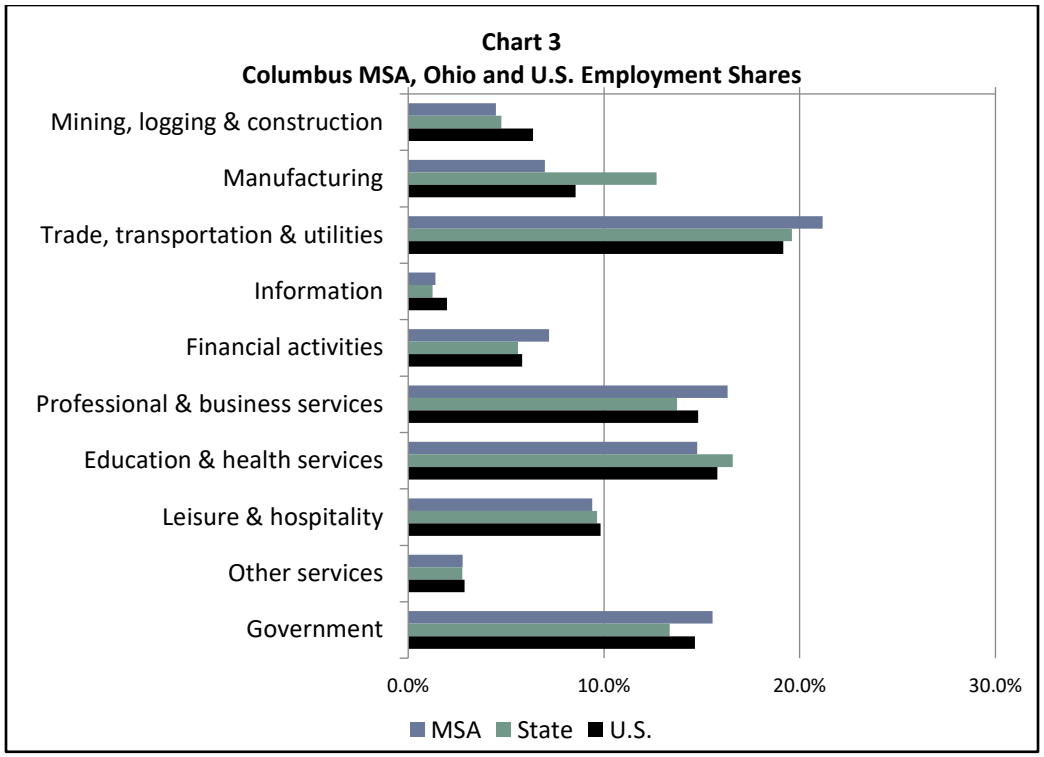
Table 1 points out the annual average number of jobs by industry within the MSA during 2021 using the North American Industry Classification System (NAICS). A detailed description of NAICS sectors can be viewed on our website at VSInsights.com/terminology.php.

Along with the employment totals and percentages for the MSA, the location quotient for each sector is also presented. This is calculated as the percentage of MSA employment in the sector (as shown in the table) divided by the percentage of U.S. employment in that sector times 100. Thus, a location quotient greater than 100 implies that the sector has a larger than average concentration in the MSA – in other words, that employment is higher than expected in an economy of this size. The most heavily concentrated sectors (compared to the U.S.) are Financial Activities, Professional Services and Trade, Transportation and Utilities. Chart 3 compares employment shares at the MSA, state and national levels graphically.

Table 1
Sector Employment Distribution, Columbus MSA, 2021

NAICS Sector	Employment		Location Quotient*	
	Number	Percent	vs. Ohio	vs. U.S.
Private Sector				
Mining, Logging and Construction	46,289	4.5%	94.1	70.1
Manufacturing	72,150	7.0%	55.0	81.5
Trade, Transportation and Utilities	218,971	21.2%	108.0	110.5
Information	14,308	1.4%	111.6	70.0
Financial Activities	74,369	7.2%	128.1	123.5
Professional and Business Services	168,782	16.3%	118.8	110.1
Education and Health Services	152,658	14.8%	89.0	93.5
Leisure and Hospitality	97,314	9.4%	97.5	95.7
Other Services	28,722	2.8%	100.3	96.3
Total Private Sector	**873,774**	**84.5%**	**97.5**	**99.0**
Total Government	**160,842**	**15.5%**	**116.4**	**106.1**
Total Payroll Employment	**1,034,616**	**100.0%**	**100.0**	**100.0**

Source: U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages
*Location quotient of 100.0 is the standard for the specific area. Quotients above 100.0 indicate higher than standard shares, while quotients below 100.0 indicate lower than standard shares.



Source: U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages

Jobs in the MSA by Occupation

The preceding section analyzed employment within the Columbus MSA by industry – where people work regardless of what they do. This section presents estimates of employment by occupation – what people do regardless of where they work. Occupational employment estimates are available only for May; the latest are from May 2021. Occupational employment is categorized using the Standard Occupational Classification (SOC) system.

Table 2 on the following page presents MSA occupational employment by major group. Because jobs here are classified by activity rather than place of employment, the occupational group totals include both private and public sector workers. As with industry employment, location quotients are presented along with employment totals. These have the same interpretation here that they do in Table 1.

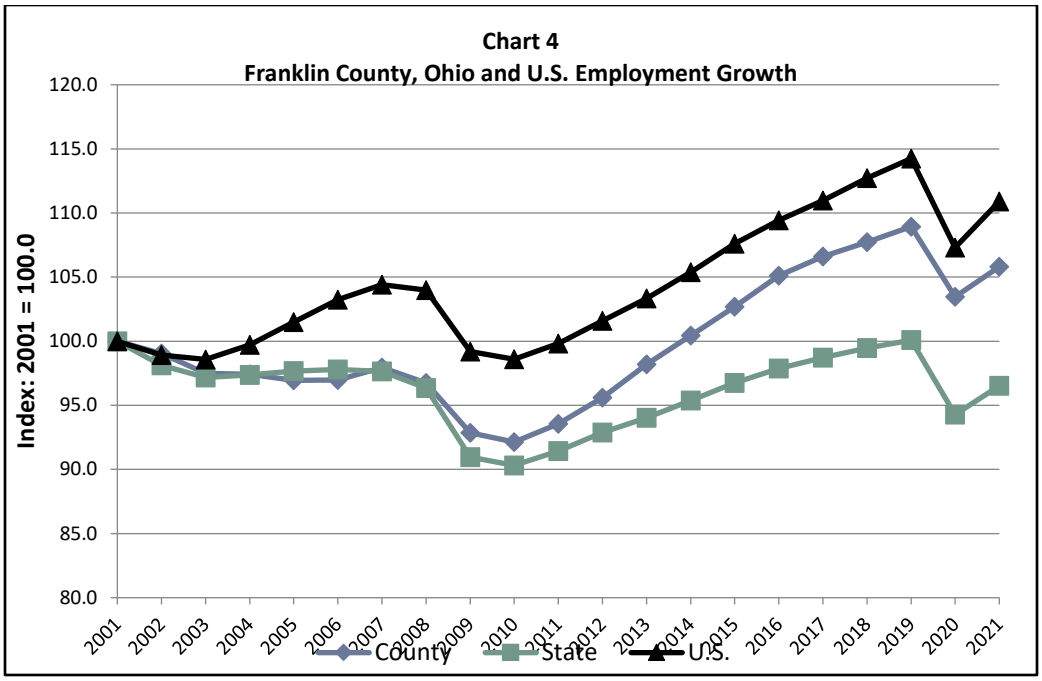
Table 2 Occupational Employment Distribution, Columbus MSA, May 2021				
	Employment		Location Quotient*	
SOC Major Occupational Group	Number	Percent	vs. Ohio	vs. U.S.
Management	57,400	5.6%	104.7	88.8
Business and Financial Operations	77,790	7.6%	123.9	118.4
Computer and Mathematical Science	43,900	4.3%	137.4	130.0
Architecture and Engineering	14,200	1.4%	82.6	80.3
Life, Physical and Social Science	7,900	0.8%	115.7	85.5
Community and Social Services	14,410	1.4%	93.6	88.7
Legal	7,700	0.8%	124.4	90.1
Education, Training and Library	59,610	5.8%	99.1	100.3
Arts, Design, Entertainment, Sports and Media	12,470	1.2%	114.5	94.7
Health Care Practitioner and Technical	67,320	6.6%	92.8	105.6
Health Care Support	45,750	4.5%	105.7	95.5
Protective Service	24,300	2.4%	109.0	98.9
Food Preparation and Servicing	79,820	7.8%	94.6	98.2
Building and Grounds Cleaning and Maintenance	26,670	2.6%	95.7	89.5
Personal Care and Service	17,730	1.7%	106.7	95.2
Sales and Related	83,190	8.1%	92.4	86.5
Office and Administrative Support	143,580	14.0%	108.3	108.1
Farming, Fishing and Forestry	910	0.1%	92.6	27.7
Construction and Extraction	31,520	3.1%	93.3	74.3
Installation, Maintenance and Repair	36,110	3.5%	90.1	89.3
Production	54,270	5.3%	59.2	89.0
Transportation and Material Moving	115,750	11.3%	115.8	126.2
All Occupations	**1,022,310**	**100.0%**	**100.0**	**100.0**

Source: U.S. Bureau of Labor Statistics, Occupational Employment Statistics
*Location quotient of 100.0 is the standard for the specific area. Quotients above 100.0 indicate higher than standard shares, while quotients below 100.0 indicate lower than standard shares.

County Employment and Wages

Jobs in the Site County

The following charts and tables analyze employment over time and by sector in Franklin County, Ohio. They are analogous to those for the MSA in the previous section, although the source dataset is different and not as current. Chart 4 and Table 3 present the trend of Franklin County employment from 2001 through 2021. The multiyear percentage changes at the bottom of Table 3 represent periods of expansion and contraction at the national level. Between 2005 and 2021, Franklin County employment grew 9.2% overall. This compares favorably to a 1.2% employment decrease statewide over the same period. Employment in Franklin County peaked in 2019, and had declined during the pandemic, resulting in an overall 13.9% increase during the past 11-year period.



Source: U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages

Table 3
Franklin County, Ohio and U.S. Employment, 2005-2021

Year	Franklin County		Ohio		United States	
	Total	Percent Change	Total (000)	Percent Change	Total (000)	Percent Change
2005	681,167		5,309		131,572	
2006	681,289	0.0%	5,315	0.1%	133,834	1.7%
2007	688,252	1.0%	5,307	-0.1%	135,366	1.1%
2008	679,814	-1.2%	5,236	-1.3%	134,806	-0.4%
2009	652,353	-4.0%	4,944	-5.6%	128,608	-4.6%
2010	647,397	-0.8%	4,909	-0.7%	127,820	-0.6%
2011	657,347	1.5%	4,969	1.2%	129,411	1.2%
2012	671,692	2.2%	5,048	1.6%	131,696	1.8%
2013	689,994	2.7%	5,110	1.2%	133,968	1.7%
2014	705,790	2.3%	5,183	1.4%	136,614	2.0%
2015	721,581	2.2%	5,258	1.4%	139,492	2.1%
2016	738,559	2.4%	5,320	1.2%	141,870	1.7%
2017	749,025	1.4%	5,365	0.8%	143,860	1.4%
2018	756,883	1.0%	5,406	0.8%	146,132	1.6%
2019	765,429	1.1%	5,439	0.6%	148,105	1.4%
2020	727,016	-5.0%	5,124	-5.8%	139,104	-6.1%
2021	743,486	2.3%	5,247	2.4%	143,759	3.3%
Change						
2005-21	62,319	9.2%	-62	-1.2%	12,188	9.0%
2005-07	7,085	1.0%	-2	0.0%	3,794	2.8%
2007-10	-40,855	-6.3%	-398	-8.1%	-7,546	-5.9%
2010-21	96,089	13.9%	338	6.6%	15,939	11.9%

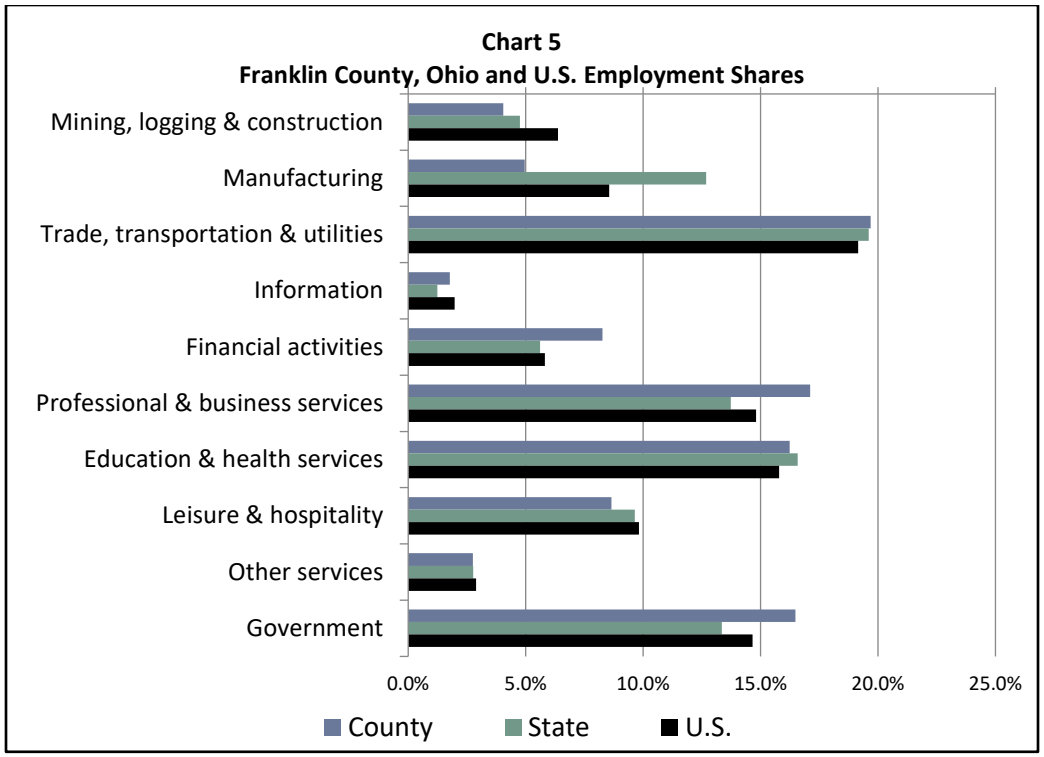
Source: U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages

Table 4 presents Franklin County's average employment distribution by sector, together with associated location quotients. In general, the relative concentrations measured by the location quotients are highly stable over time, so the current composition of employment is probably quite similar to that shown here. Employment distribution is relatively evenly spread out over several sectors, with higher concentrations in Information, Financial Activities and Professional Services. Chart 5 compares these employment shares to state and national averages.

Table 4
Sector Employment Distribution, Franklin County, 2021

NAICS Sector	Employment		Location Quotient*	
	Number	Percent	vs. Ohio	vs. U.S.
Private Sector				
Mining, Logging and Construction	30,093	4.0%	85.1	63.4
Manufacturing	36,891	5.0%	39.1	58.0
Trade, Transportation and Utilities	146,400	19.7%	100.4	102.8
Information	13,156	1.8%	142.7	89.6
Financial Activities	61,447	8.3%	147.3	142.0
Professional and Business Services	127,235	17.1%	124.7	115.5
Education and Health Services	120,697	16.2%	97.9	102.8
Leisure and Hospitality	64,326	8.7%	89.7	88.0
Other Services	20,507	2.8%	99.6	95.6
Total Private Sector	**620,895**	**83.5%**	**96.4**	**97.9**
Total Government	**122,591**	**16.5%**	**123.5**	**112.5**
Total Payroll Employment	**743,486**	**100.0%**	**100.0**	**100.0**

Source: U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages
*Location quotient of 100.0 is the standard for the specific area. Quotients above 100.0 indicate higher than standard shares, while quotients below 100.0 indicate lower than standard shares.

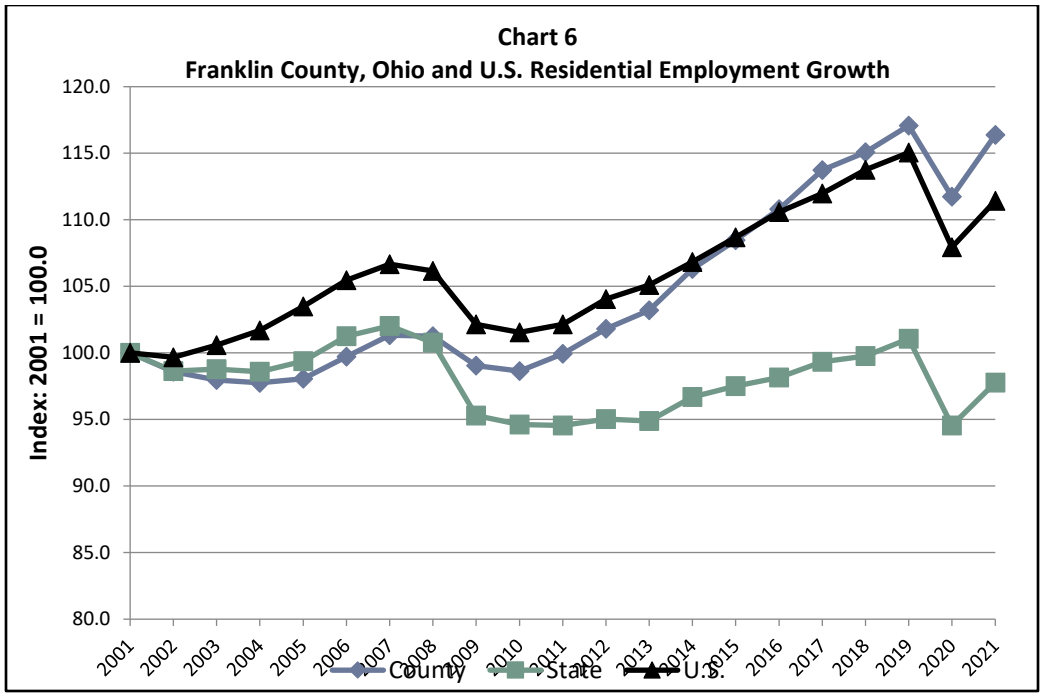


Source: U.S. Bureau of Labor Statistics, Quarterly Census of Employment and Wages

Employment and Unemployment of Site County Residents

The preceding section analyzed the employment base within Franklin County. Some of these jobs may be filled by residents of other counties; conversely, some workers living in Franklin County may be employed outside the county. Both the employment base and residential employment are important: the local employment base creates indirect economic impacts and jobs, while the earnings of county residents, regardless of where they are employed, sustain the demand for housing and other goods and services within the county.

Chart 6 and Table 5 on the following page show the trend in county employment since 2005. Although the presentation is analogous to that of employment growth and year-by-year totals in the previous section, it is important to keep in mind that the two measures are fundamentally different. The earlier analysis focused on the number of jobs in Franklin County; this one considers the number of Franklin County residents who are working. The multiyear percentage changes at the bottom of Table 5 represent periods of employment expansion and contraction at the national level.



Source: U.S. Bureau of Labor Statistics, Local Area Unemployment Statistics, Current Population Survey

Table 5
Franklin County, Ohio and U.S. Residential Employment, 2005-2020

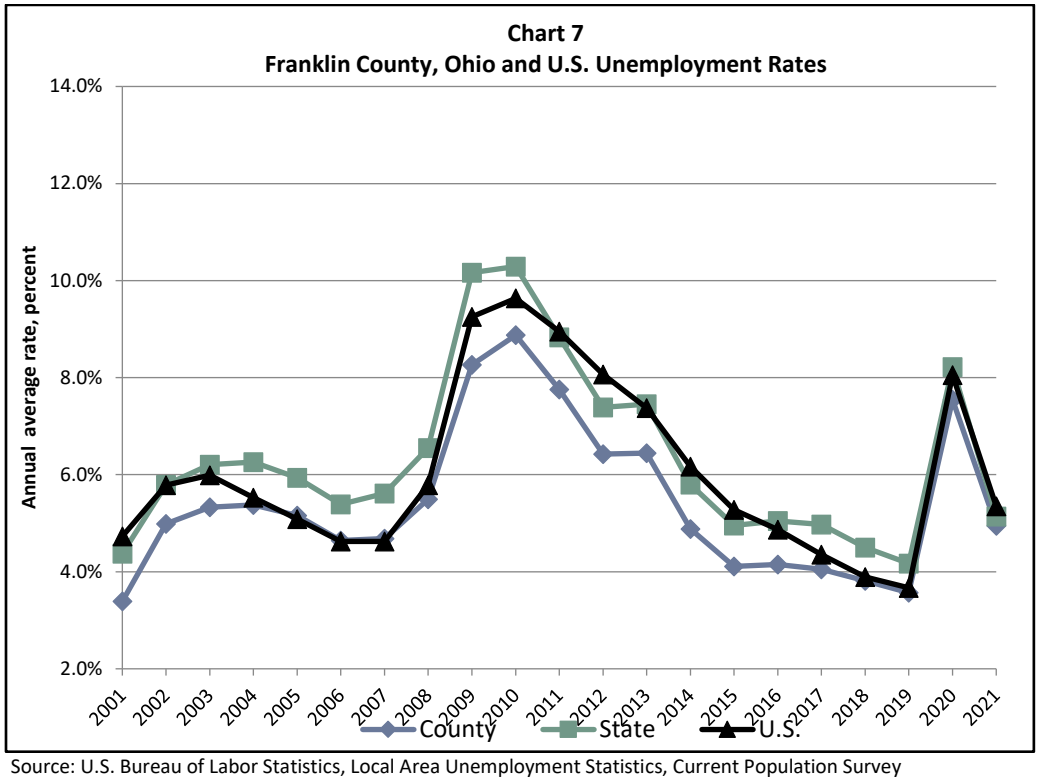
	Franklin County		Ohio		United States	
Year	Total	Percent Change	Total (000)	Percent Change	Total (000)	Percent Change
2005	567,886		5,531		141,730	
2006	577,461	1.7%	5,636	1.9%	144,427	1.9%
2007	586,897	1.6%	5,679	0.8%	146,047	1.1%
2008	586,493	-0.1%	5,609	-1.2%	145,362	-0.5%
2009	573,586	-2.2%	5,305	-5.4%	139,878	-3.8%
2010	571,204	-0.4%	5,267	-0.7%	139,064	-0.6%
2011	578,794	1.3%	5,264	-0.1%	139,869	0.6%
2012	589,581	1.9%	5,290	0.5%	142,469	1.9%
2013	597,678	1.4%	5,281	-0.2%	143,929	1.0%
2014	615,598	3.0%	5,382	1.9%	146,305	1.7%
2015	628,175	2.0%	5,428	0.9%	148,834	1.7%
2016	641,672	2.1%	5,464	0.7%	151,436	1.7%
2017	658,718	2.7%	5,529	1.2%	153,337	1.3%
2018	666,488	1.2%	5,554	0.4%	155,761	1.6%
2019	678,059	1.7%	5,626	1.3%	157,538	1.1%
2020	647,092	-4.6%	5,263	-6.5%	147,795	-6.2%
2021	673,958	4.2%	5,442	3.4%	152,581	3.2%
Change						
2005-21	106,072	18.7%	-90	-1.6%	10,851	7.7%
2005-07	19,011	3.3%	148	2.7%	4,317	3.0%
2007-10	-15,693	-2.7%	-412	-7.3%	-6,983	-4.8%
2010-21	102,754	18.0%	175	3.3%	13,517	9.7%

Source: U.S. Bureau of Labor Statistics, Local Area Unemployment Statistics, Current Population Survey

Between 2005 and 2021, Franklin County fared better than Ohio and the U.S. in terms of residential employment growth, recording an 18.7% increase over the reporting period. Between 2010 and 2021, residential employment grew by 18.0%, compared to lesser employment gains experienced at the state (3.3%) and national (9.7%) levels.

Jobs in the county (as shown in Table 3) outnumbered employed residents by 10.3% in 2021. This indicates that Franklin County is an employment center for the region.

Chart 7 and Table 6 (on the following page) present Franklin County, state and U.S. unemployment rates over the past decade. The table also shows the Franklin County labor force, resident employment (from Table 5) and the number of unemployed (i.e., those not working who have actively sought employment over the previous month). Franklin County's unemployment rate has been consistently lower than state and national averages over the last decade. It declined to 5.0% by year-end 2021 after a 7.6% peak during the pandemic. As of November 2022, the most recent unofficial, not seasonally adjusted unemployment rates for Ohio and Franklin County are 4.2% and 2.8%, respectively.



Source: U.S. Bureau of Labor Statistics, Local Area Unemployment Statistics, Current Population Survey

Table 6 Franklin County Labor Force Statistics and Comparative Unemployment Rates						
	Franklin County			Unemployment Rates		
Year	Labor Force	Employment	Unemployment	Franklin County	Ohio	U.S.
2001	599,460	579,146	20,314	3.4%	4.4%	4.7%
2002	600,927	570,974	29,953	5.0%	5.8%	5.8%
2003	599,343	567,406	31,937	5.3%	6.2%	6.0%
2004	598,311	566,160	32,151	5.4%	6.3%	5.5%
2005	598,790	567,886	30,904	5.2%	5.9%	5.1%
2006	605,598	577,461	28,137	4.6%	5.4%	4.6%
2007	615,736	586,897	28,839	4.7%	5.6%	4.6%
2008	620,577	586,493	34,084	5.5%	6.6%	5.8%
2009	625,254	573,586	51,668	8.3%	10.2%	9.3%
2010	626,837	571,204	55,633	8.9%	10.3%	9.6%
2011	627,448	578,794	48,654	7.8%	8.8%	8.9%
2012	630,055	589,581	40,474	6.4%	7.4%	8.1%
2013	638,834	597,678	41,156	6.4%	7.5%	7.4%
2014	647,175	615,598	31,577	4.9%	5.8%	6.2%
2015	655,089	628,175	26,914	4.1%	5.0%	5.3%
2016	669,446	641,672	27,774	4.1%	5.0%	4.9%
2017	686,535	658,718	27,817	4.1%	5.0%	4.4%
2018	692,900	666,488	26,412	3.8%	4.5%	3.9%
2019	703,159	678,059	25,100	3.6%	4.2%	3.7%
2020	699,903	647,092	52,811	7.5%	8.2%	8.1%
2021	709,058	673,958	35,100	5.0%	5.1%	5.3%

Source: U.S. Bureau of Labor Statistics, Local Area Unemployment Statistics, Current Population Survey

Occupational Wages in the Site County

Table 7 on the next page compares typical wages by primary SOC occupational group in the Columbus MSA with those of Ohio and the U.S. Although comparable statistics are unavailable at the county level (except for single-county MSAs), MSAs are defined on the basis of commuting patterns, and wages should be fairly consistent across the MSA. These wage estimates are also subject to potentially large margins of error, therefore what may seem to be a large difference may not be statistically significant. Thus, the table also indicates whether the local area's wage is significantly different than the national average wages. Note that error margins are smaller for states than they are for regions within those states. As a result, it is possible for a state wage that is lower than the U.S. average to be significant, while a local wage that is even lower than the state is insignificant.

Table 7 Median Occupational Wages, Columbus MSA, May 2021			
SOC Major Occupational Group	**Columbus MSA**	**Ohio**	**U.S.**
Management	$48.35	$47.53	$49.25
Business and Financial Operations	$33.24	$30.79	$36.81
Computer and Mathematical Science	$39.69	$38.19	$46.90
Architecture and Engineering	$37.40	$37.39	$38.39
Life, Physical and Social Science	$31.29	$31.13	$34.97
Community and Social Services	$23.37	$22.91	$23.28
Legal	$36.98	$36.21	$39.63
Education, Training and Library	$29.38	$29.13	$27.51
Arts, Design, Entertainment, Sports and Media	$23.89	$23.05	$24.61
Health Care Practitioner and Technical	$30.19	$30.04	$36.08
Health Care Support	$14.21	$14.14	$14.37
Protective Service	$23.04	$22.81	$22.40
Food Preparation and Servicing	$11.31	$10.96	$13.65
Building and Grounds Cleaning and Maintenance	$14.41	$14.26	$14.54
Personal Care and Service	$12.83	$11.88	$14.16
Sales and Related	$14.33	$14.20	$14.71
Office and Administrative Support	$18.30	$18.13	$18.29
Farming, Fishing and Forestry	$15.06	$15.06	$14.36
Construction and Extraction	$24.07	$23.53	$23.18
Installation, Maintenance and Repair	$23.27	$22.98	$23.05
Production	$18.19	$18.13	$18.13
Transportation and Material Moving	$18.18	$17.70	$17.72
All Occupations	**$22.49**	**$19.08**	**$22.00**

Source: U.S. Bureau of Labor Statistics, Occupational Employment Statistics

Employment of Site County Residents by Industry and Occupation

Limited data are available regarding the employment of Franklin County residents by industry and occupation based on aggregated NAICS sectors and SOC occupational groups. These are five-year averages covering the 2016-2020 American Community Survey (ACS), but as in the analyses above, they can be compared to statewide and national averages to gain insight into how the county differs from these larger areas.

Employment by industry is shown in Table 8 on the next page. Although the sectors in general are consistent with those in earlier tables, one major difference is that Government employment does not appear, but Public Administration does. These are core government functions, but do not include employment in government establishments such as schools and hospitals. Those were included in Government in the earlier tables, but here are grouped with private firms in sectors such as Educational and Health Services. Occupational employment is shown in Table 9. These categories are more highly aggregated versions of those in Tables 4 and 8. Note that total industry employment equals total occupational employment, as it must. The same is theoretically true of the MSA-level industry and occupational employment totals in Tables 1 and 2 as well; these differ because they are reported for different time periods.

Table 8 Sector Employment Distribution Franklin County Residents, 2016-2020				
	Employment		Location Quotient*	
NAICS Sector	Number	Percent	vs. Ohio	vs. U.S.
Agriculture, Natural Resources and Mining	1,688	0.2%	25.7	14.5
Construction	28,291	4.1%	74.0	61.9
Manufacturing	51,082	7.5%	49.5	74.6
Wholesale Trade	18,674	2.7%	105.9	107.2
Retail Trade	80,081	11.7%	103.9	106.2
Transportation and Utilities	44,172	6.5%	120.0	117.4
Information	14,367	2.1%	138.9	106.8
Financial Activities	66,036	9.7%	149.6	145.9
Professional and Business Services	86,575	12.7%	129.3	107.8
Educational and Health Services	172,038	25.2%	103.8	108.0
Leisure and Hospitality	63,182	9.2%	103.7	98.3
Other Services, Except Public Administration	27,763	4.1%	93.1	84.2
Public Administration	29,976	4.4%	113.4	94.0
Total Employment	**683,925**	**100.0%**	**100.0**	**100.0**

Source: U.S. Census Bureau, American Community Survey
*Location quotient of 100.0 is the standard for the specific area. Quotients above 100.0 indicate higher than standard shares, while quotients below 100.0 indicate lower than standard shares.

Table 9 Occupational Employment Distribution Franklin County Residents, 2016-2020				
	Employment		Location Quotient*	
SOC Major Group	Number	Percent	vs. Ohio	vs. U.S.
Management, Business, Science and Arts	304,347	44.5%	118.4	112.7
Service	108,744	15.9%	94.1	91.4
Sales and Office	147,044	21.5%	101.9	100.9
Natural Resources, Construction and Maintenance	33,512	4.9%	66.2	56.3
Production, Transportation and Material Moving	89,594	13.1%	77.5	100.0
Total Employment	**683,925**	**100.0%**	**100.0**	**100.0**

Source: U.S. Census Bureau, American Community Survey
*Location quotient of 100.0 is the standard for the specific area. Quotients above 100.0 indicate higher than standard shares, while quotients below 100.0 indicate lower than standard shares.

One would expect the sector location quotients in Table 8 to be relatively similar to those in Table 4, aside from the reporting of government employment in other sectors in Table 8. If a sector's location quotient in Table 4 is far higher than that in Table 8, it suggests that many jobs in the sector within Franklin County are filled by workers from other counties, while a location quotient that is far higher in Table 8 suggests that many workers living in Franklin County commute out to these jobs in other counties.

Largest Employers

Table 10 lists the 10 largest employers in Central Ohio. Together, these employ more than 138,000 people, approximately 19% of the 2021 Franklin County employment total.

Table 10
Largest Employers in Columbus

Employer	Industry	Employment
The Ohio State University	Education/Health Care	33,653
State of Ohio	Government	22,737
JP Morgan Chase & Co.	Financial Services	16,896
Kroger Co.	Grocery Stores	11,529
Nationwide Children's Hospital	Health Care	11,302
Nationwide	Financial/Insurance	11,000
Amazon	Distribution	9,262
City of Columbus	Government	8,656
Mount Carmel Health System	Health Care	7,887
Cardinal Health	Health Care	5,200
	Total	**138,122**

Source: Columbus Business First, 7/2022

According to Dr. Bill Lafayette of Regionomics LLC, a private economic forecast firm, employment in the Greater Columbus area continues to be service-oriented, and principal employers in the region represent health care, insurance, technology, education and government. Nationwide Insurance, Limited Brands, Cardinal Health and American Electric Power have headquarters located there. Numerous other national and regional companies, including Honda and JP Morgan Chase have major operations in the area.

A stable and diverse employment base has helped the city weather the national recession. Among the large employers, The Ohio State University (OSU), JP Morgan Chase and the health care employers are considered stable or expanding at this time. National retailers such as Walmart, Menards, Cabela's and IKEA all have added new stores in and around the city. Plans are in process for over 5,300 residential units, 1.3 million square feet of new commercial space, two hotels and three senior living facilities.

The Ohio Department of Job and Family Services has received 15 Worker Adjustment and Retraining Notifications (WARN) for the Franklin County since January 2021 which have affected 1,564 jobs. The largest notices are listed below:

Business	Notice Date	Layoff or Closure	Jobs Lost
Ohio Health	9-12/2022	Layoff	373
Toppan Merrill	12/2022	Closure	93
Olive AI	7/2022	Layoff	99
Geodis Logistics	4/2022	Layoff	302
Ceva Logistics	4/2022	Closure	146
First Transit	11/2021	Closure	114
Alliance Data	1/2021	Closure	110
DSW Warehouse	1/2021	Layoff	92

Several significant development projects are underway or recently completed in Columbus that will have a major positive impact on the city over the next five to 10 years, and should spur additional development as economic conditions improve. In total, these projects will create hundreds of millions in new revenue in the city. These recent and planned large development projects include:

- In January 2022, Intel announced plans to invest $20 billion to build two computer chip plants in Jersey Township in Licking County. The factories are expected to create 7,000 construction jobs and will employ 3,000 workers when the first chips are produced in 2025.

- Amazon.com, Inc. is building a fulfillment center in the city of New Albany in Franklin County, and a delivery station in Madison County, adding more than 1,000 jobs; both facilities are expected to be complete by 2024.

- Forward Air Corporation is expanding its facility at Rickenbacker International Airport and is expected to add 50 jobs during the next two years.

- Quantum Health, Inc., located in the city of Columbus, added 350 jobs in 2021, which increased employment at the facility to approximately 1,100.

- A dozen buildings are under construction as part of the first phase of a $500 million expansion of Easton Town Center. There will be 125,000 square feet of office space, in addition to retail restaurant and 1,500 parking spaces. RH Gallery, Arhaus, Pins Mechanical and True Food Kitchen was the first to open, and a Aloft Hotel opened in 2020.

- The North Market will be the location of a 600,000-square-foot mixed-use development that will include residential, office, retail and hotel spaces. Groundbreaking is estimated around early 2022, with a 30-month build-out, which puts the tower's completion in the second half of 2024.

- Grandview Crossing is a 52-acre project with plans for more than 200,000 square feet of office space, retail and restaurant space, a 120-room hotel and 1,000 apartments which will be built in phases over several years.

- Plans to develop an expanse of High Street from Broad Street to Spring Street are underway that will add hundreds of apartments as well as retail, parking and a possible hotel to the three-block area. Projects planned involve the repurposing of historic buildings as well as new construction.

- Twenty-one acres of city and county-owned land on the Scioto Peninsula has been targeted for a dense urban neighborhood which will include large residential towers, hotels, ground-level retail and as much as 840,000 square feet of office space. Construction has begun, with entire project estimated to take eight to 10 years to build.

In addition to these development projects, medical facility expansions have occurred at The Ohio State University Medical Center and Nationwide Children's Hospital. These projects will solidify Columbus' status as an important center for medical care and research, create thousands of jobs and have a huge overall economic impact on the community:

- The Ohio State University Medical Center completed a $1.1 billion expansion in 2014. The project revitalized the Wexner Medical Center campus and included construction of the new 276-bed James Cancer Hospital and Solove Research Institute and Critical Care Center. The project has positioned The OSU Medical Center as a top-20 academic facility and has had a significant impact on Central Ohio's economy with the creation of as many as 10,000 permanent full-time jobs.

  Currently underway is an 840-bed replacement for OSU's hospital and urgent care and outpatient clinic. The Ohio State University Wexner Medical Center is constructing a new $1.8 billion, 1.9 million-square-foot inpatient hospital targeted to open in early 2026. Employment estimates for construction jobs and permanent positions have not been announced.

- Mount Carmel Health System has announced more than $700 million in investment on three of its hospital campuses in Franklin County, including a shift of inpatient services from the Mount Carmel West campus in Franklinton to a new Grove City facility. The West Campus main hospital building is being demolished to make way for a $46 million project to redevelop the emergency department, expand the Mount Carmel College of Nursing, as well as make room for housing or other private development on the hospital campus.

- Nationwide Children's Hospital is currently undergoing a six-year, $730 million expansion involving 11 projects that will add 885,000 square feet of clinical, research and office space, as well as two parking garages. Completions of the project component facilities are scheduled each year through 2021. In June 2021, the hospital announced a new five-year plan which includes an inpatient hospital tower mirroring the existing 12-story one. There will also be a new orthopedics and surgery center and several new health care and research facilities.

Primary Market Area

This section analyzes employment and economic factors within the Site PMA.

Employment in the PMA

Employment by sector within the Columbus Site PMA is shown in Table 11. These totals represent jobs within the PMA, not industry of employment of residents.[1] Franklin County employment is shown for comparison. Also shown is a "location quotient" for PMA employment. Although this is interpreted in the same way as those in previous tables, this location quotient is calculated relative to county, not U.S. employment. Based on employment figures, Site PMA employment is concentrated in Manufacturing, Retail Trade and Wholesale Trade. Together these three sector employers account for 40.8% of all Site PMA employment.

Table 11
Sector Employment Distribution, Columbus Site PMA
Compared to Franklin County, 2021

NAICS Sector	Employment		PMA Percent	Location
	PMA	County	of Total	Quotient*
Agriculture, Forestry, Fishing and Hunting	53	587	0.1%	171.2
Mining	11	308	0.0%	67.7
Utilities	64	3,120	0.2%	38.9
Construction	2,063	26,906	5.1%	145.4
Manufacturing	5,672	38,390	14.0%	280.2
Wholesale Trade	4,442	36,357	10.9%	231.7
Retail Trade	6,473	89,710	15.9%	136.9
Transportation and Warehousing	1,510	23,124	3.7%	123.9
Information	1,484	20,734	3.7%	135.7
Finance and Insurance	567	40,740	1.4%	26.4
Real Estate and Rental and Leasing	1,024	21,078	2.5%	92.1
Professional, Scientific and Technical Services	2,751	75,406	6.8%	69.2
Management of Companies and Enterprises	0	3,472	0.0%	0.0
Administrative, Support, Waste Management and Remediation Services	1,098	19,853	2.7%	104.9
Educational Services	1,175	75,219	2.9%	29.6
Health Care and Social Assistance	3,590	117,021	8.8%	58.2
Arts, Entertainment and Recreation	1,105	14,961	2.7%	140.1
Accommodation and Food Services	3,596	67,177	8.9%	101.5
Other Services (Except Public Administration)	1,895	44,252	4.7%	81.2
Public Administration	1,820	45,639	4.5%	75.6
Non-classifiable	193	5,713	0.5%	64.1
Total	**40,586**	**769,767**	**100.0%**	**100.0**

Source: 2010 Census; ESRI; Vogt Strategic Insights
*Location quotient of 100.0 is the standard for the specific area. Quotients above 100.0 indicate higher than standard shares, while quotients below 100.0 indicate lower than standard shares.

[1] County employment totals here differ from those in Table 4 because the data is obtained from a different source and because government employment is not reported separately, aside from the public administration component.

Business Establishments in the PMA

Table 12 shows the number of business establishments in the PMA and the county. A business establishment is a single site where business is conducted; a company or organization can have multiple establishments. Most establishments in the PMA are generally similar in size to the county averages.

Table 12
Business Establishments, Columbus Site PMA
and Franklin County, 2021

NAICS Sector	Establishments		Employees Per Establishment	
	PMA	County	PMA	County
Agriculture, Forestry, Fishing and Hunting	6	95	8.8	6.2
Mining	2	31	5.5	9.9
Utilities	3	43	21.3	72.6
Construction	186	2,424	11.1	11.1
Manufacturing	146	1,342	38.8	28.6
Wholesale Trade	156	1,240	28.5	29.3
Retail Trade	355	5,257	18.2	17.1
Transportation and Warehousing	95	982	15.9	23.5
Information	57	1,001	26.0	20.7
Finance and Insurance	74	2,418	7.7	16.8
Real Estate and Rental and Leasing	151	2,709	6.8	7.8
Professional, Scientific and Technical Services	193	4,989	14.3	15.1
Management of Companies and Enterprises	0	90	0.0	38.6
Administrative, Support, Waste Management and Remediation Services	97	1,652	11.3	12.0
Educational Services	35	1,383	33.6	54.4
Health Care and Social Assistance	150	4,983	23.9	23.5
Arts, Entertainment and Recreation	34	885	32.5	16.9
Accommodation and Food Services	185	3,526	19.4	19.1
Other Services (Except Public Administration)	234	5,079	8.1	8.7
Public Administration	52	1,053	35.0	43.3
Total	**2,211**	**41,182**	**17.1**	**17.1**

Source: 2010 Census; ESRI; Vogt Strategic Insights

Commuting Modes of Site PMA Workers

Table 13 presents a distribution of commuting modes for Site PMA and Franklin County workers age 16 and older in 2020. The largest share (84.5%) of Site PMA workers drove alone, while 6.2% carpooled.

Table 13
Commuting Patterns, Columbus Site PMA and Franklin County, 2016-2020

Travel Mode	PMA		County	
	Number	Percent	Number	Percent
Drove Alone	34,409	84.5%	529,292	78.9%
Carpooled	2,540	6.2%	48,603	7.2%
Public Transit	246	0.6%	14,294	2.1%
Walked	345	0.8%	17,463	2.6%
Other Means	483	1.2%	8,939	1.3%
Worked at Home	2,710	6.7%	52,216	7.8%
Total	**40,733**	**100.0%**	**670,807**	**100.0%**

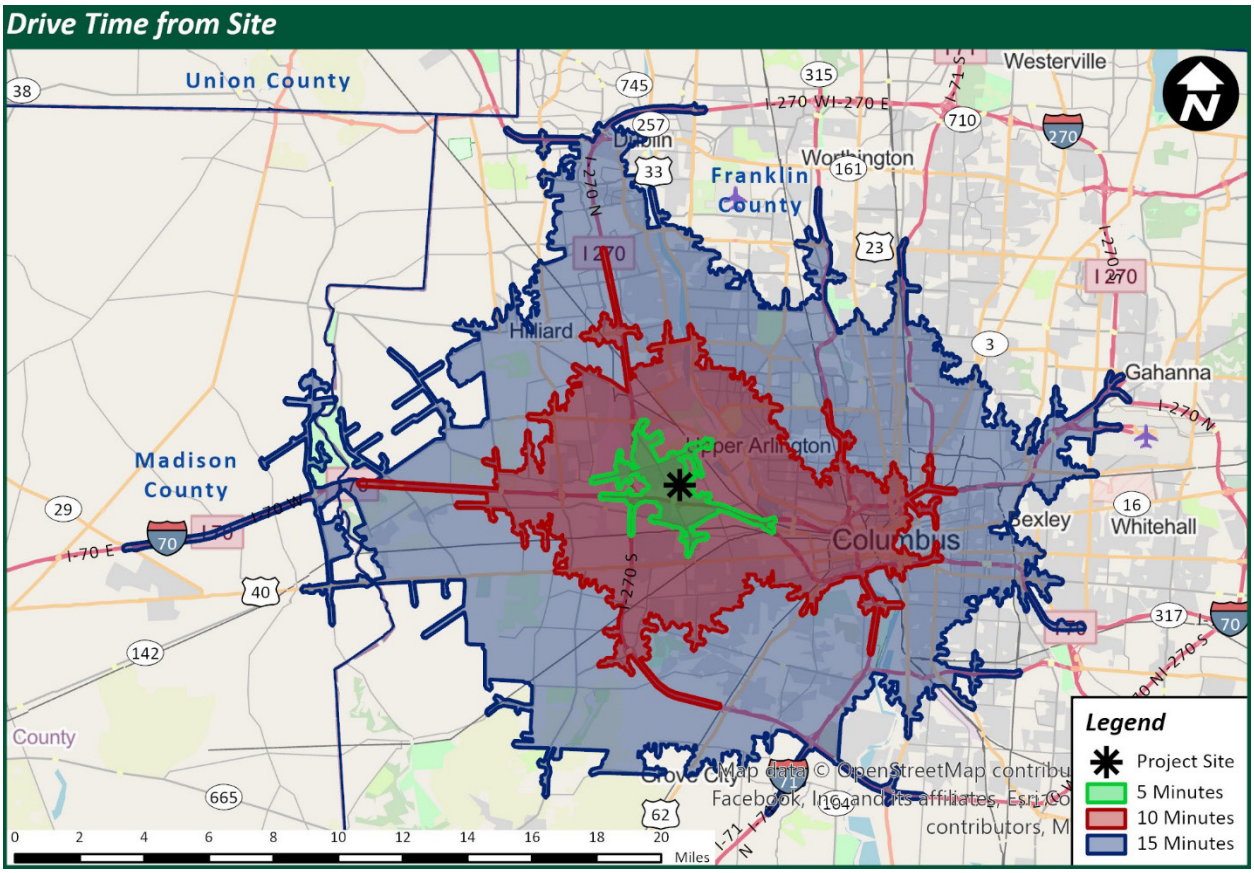
Source: American Community Survey (2016-2020); ESRI

Table 14 below compares travel times to work for the PMA and the county. PMA workers' travel times closely parallel those of all Franklin County workers. More than 19% of PMA workers commute less than 15 minutes. The subject site is within 10 to 15 minutes' drive of numerous employment opportunities, including those located in downtown Columbus, Hilliard, Upper Arlington and portions of Dublin. Specifically, near the site are a UPS hub, Amazon fulfillment center and extensive distribution and warehouse employers near the Interstate 270 and 70 interchange. A drive-time map for the subject site is on the following page.

Table 14
Travel Time to Work, Columbus Site PMA and Franklin County, 2016-2020

Travel Time	PMA		County	
	Number	Percent	Number	Percent
Less Than 15 Minutes	7,763	19.1%	149,486	22.3%
15 – 29 Minutes	19,994	49.1%	303,624	45.3%
30 – 44 Minutes	8,008	19.7%	122,737	18.3%
45 – 59 Minutes	1,461	3.6%	22,630	3.4%
60 or More Minutes	797	2.0%	20,114	3.0%
Worked at Home	2,710	6.7%	52,216	7.8%
Total	**40,733**	**100.0%**	**670,807**	**100.0%**

Source: American Community Survey (2016-2020); ESRI



Economic Summary

Employment in the greater Columbus area continues to be service-oriented, and companies representing health care, insurance, technology, education and government are major employers in the region. The stabilizing national economy, combined with a diversified Columbus economy, is allowing Central Ohio to grow at a faster rate than other areas of Ohio. Major expansion projects in the Arena District, The Ohio State University campus area, downtown and in several suburbs illustrate the continued economic growth of the area.

Between 2005 and 2021, Franklin County employment grew 9.2% overall. This compares favorably to a 1.2% employment decrease statewide over the same period. Employment in Franklin County peaked in 2019, and had declined during the pandemic, resulting in an overall 13.9% increase during the past 11-year period.

The area's economic growth is spurring household and population growth in the region, which is increasing demand for housing of all types. There is moderate affordable rental housing stock in the immediate Site PMA, for which demand exceeds the current supply. This is illustrated by the results of our field survey. We anticipate ample demand for the site for the foreseeable future.

V. Achievable Market and Tax Credit Rent Analysis

We conduct two achievable rent analyses utilizing Rent Comparability Grids. The first rent analysis establishes the market rent the proposed project could achieve in the market without the limitations of the Tax Credit program. Market rent is defined as the rent that an apartment, without rent or income restrictions or rent subsidies, would command in the open market considering its location, features and amenities. The second is the achievable Tax Credit rent analysis.

This is the Tax Credit rent the subject site could charge based upon the Tax Credit rents currently being achieved at existing comparable Tax Credit properties in the market. Note that we only compare the proposed Tax Credit rents at those properties considered most comparable to the subject site with regard to unit types and Area Median Income (AMI) limitation.

We identified eight market-rate properties and six Tax Credit properties within or near the Columbus Site PMA that we consider comparable in terms of unit and project amenities to the subject development as proposed.

These selected properties are used to derive achievable rents for the subject development and the subject property's rent advantage. For the purpose of this analysis, we only select non-subsidized market-rate and Tax Credit properties. Market-rate properties are used to determine market rents that can be achieved in the open market for the subject units without maximum income and rent restrictions, while non-subsidized Tax Credit units are used to determine achievable rents under the LIHTC program requirements.

The basis for the selection of these projects includes, but is not limited to, the following factors:

- Surrounding neighborhood characteristics
- Target market (seniors, families, disabled, etc.)
- Unit types offered (garden or townhouse, bedroom types, etc.)
- Building type (single-story, midrise, high-rise, etc.)
- Unit and project amenities offered
- Age and appearance of property

Since it is unlikely that any two properties are identical, we adjust the collected rent (the actual rent paid by tenants) of the selected properties according to how they compare with the subject development. Rents of projects that have additional or better features than the subject site are adjusted negatively, while projects with inferior or fewer features are adjusted positively. For example, if the subject project does not have a washer or dryer and a selected property does, then we lower the collected rent of the selected property by the estimated value of a washer and dryer to derive an *achievable market rent* for the subject project as proposed.

The rent adjustments used in this analysis are based on various sources, including known charges for additional features within the Site PMA, estimates made by area property managers and realtors, quoted rental rates from furniture rental companies and VSI's prior experience in markets nationwide.

One or more of the selected properties may be more similar to the subject property than others. These properties are given more weight in terms of reaching the final achievable rent determination. While monetary adjustments are made for various unit and project features, the final market rent determination is based upon our judgment.

The subject development as proposed and the eight selected market-rate properties include the following:

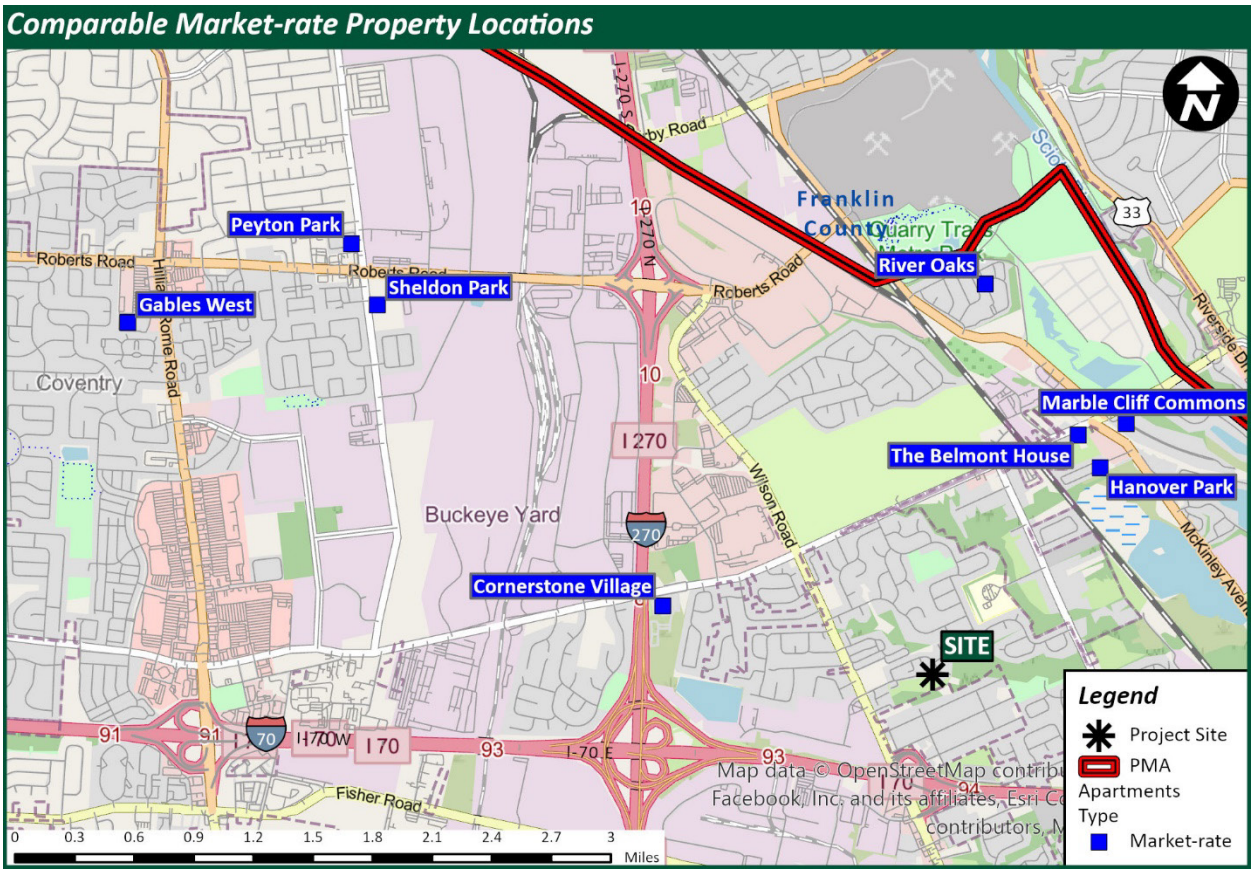
Comparable Market-rate Projects								
Map ID	Project Name	Year Opened/ Renovated	Total Units	Occupancy Rate	Unit Mix (Occupancy Rate)			
					One-Br.	Two-Br.	Three-Br.	Four-Br.
Site	**West Fork**	**2025**	**216**	**-**	**72**	**72**	**36**	**36**
11	Cornerstone Village	2021	264	96.2%	169 (97.0%)	95 (94.7%)	-	-
12	Hanover Park	2021	216	99.1%	150 (100.0%)	66 (97.0%)	-	-
13	The Belmont House	2020	267	99.3%	100 (99.0%)	167 (99.4%)	-	-
15	Marble Cliff Commons	2003 / 2019	276	99.6%	48 (97.9%)	144 (100.0%)	84 (100.0%)	-
17	River Oaks	1999 / 2014	288	99.0%	132 (98.5%)	120 (100.0%)	36 (97.2%)	-
29	Sheldon Park	2021	186	99.5%	93 (100.0%)	93 (98.9%)	-	-
36	Peyton Park	2019	128	94.5%	40 (92.5%)	88 (95.5%)	-	-
55	Gables West	2019	184	100.0%	74 (100.0%)	98 (100.0%)	12 (100.0%)	-

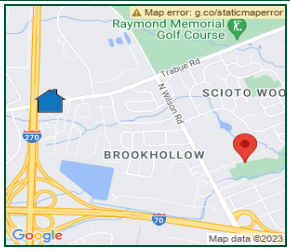
Source: VSI Field Survey

The eight selected market-rate projects have a combined total of 1,809 units with an overall occupancy rate of 98.6%. The selected properties represent modern market-rate product with a combination of one- to three-bedroom units. No modern conventional four-bedroom units existing in the market. We have utilized three-bedroom units in our four-bedroom rent evaluation.

The following map illustrates the subject site location relative to the locations of the comparable market-rate properties. Following the comparable properties' locations map are profiles of these selected comparable market-rate projects.

Comparable Market-rate Property Locations





Electric	Tenant	
Heating	Tenant	Electric
Hot Water	Tenant	Electric
Cooking	Tenant	Electric
Water	Tenant	
Sewer	Tenant	
Trash	Tenant	

Key Facts

Type Market-Rate

Total Units 264

Occupancy 96.2%

Waiting List None

Year Open 2021

Distance to Site 1.4 miles

Age Restriction None

Unit Amenities:
Refrigerator, Range, Dishwasher, Disposal, Microwave, Central AC, Vinyl Flooring, Washer & Dryer, Washer/Dryer Hookups, Patio/Deck/Balcony, Blinds

Concessions:
1 month free rent

Project Amenities:
Swimming Pool, On-site Management, Clubhouse, Activity Room, Fitness Center, Computer/Business Center, BBQ Area, Picnic Area, Movie Theater

Remarks:
Preleasing began 8/2021; Opened 9/2021

Cornerstone Village

BRs	Baths	Type	Units	Vacant	Square Feet	Collected Rent		Gross Rent
						Unit	$ / Square Foot	
1	1	G	169	5	681	$1,295	$1.90	$1,340
2	2	G	95	5	957	$1,535	$1.60	$1,609

Electric	Tenant	
Heating	Tenant	Electric
Hot Water	Tenant	Electric
Cooking	Tenant	Electric
Water	Tenant	
Sewer	Tenant	
Trash	Tenant	

Key Facts

Type Market-Rate

Total Units 216

Occupancy 99.1%

Waiting List None

Year Open 2021

Distance to Site 2.4 miles

Age Restriction None

Unit Amenities:
Refrigerator, Range, Dishwasher, Disposal, Microwave, Central AC, Vinyl Flooring, Washer & Dryer, Washer/Dryer Hookups, Patio/Deck/Balcony, Blinds

Concessions:
No Rent Specials

Project Amenities:
Swimming Pool, On-site Management, Clubhouse, Activity Room, Fitness Center, Volleyball, Computer/Business Center, BBQ Area, Picnic Area, Dog Park/Pet Care Areas, Activities/Events, Tanning, Fire Pits

Remarks:

Hanover Park

BRs	Baths	Type	Units	Vacant	Square Feet	Collected Rent		Gross Rent
						Unit	$ / Square Foot	
1	1	G	150	0	681 - 893	$1,345 - $1,500	$1.68 - $1.98	$1,498 - $1,653
2	2	G	66	2	1,055 - 1,149	$1,865 - $3,250	$1.77 - $2.83	$2,067 - $3,452

Electric	Tenant	
Heating	Tenant	Electric
Hot Water	Tenant	Electric
Cooking	Tenant	Electric
Water	Tenant	
Sewer	Tenant	
Trash	Landlord	

Key Facts

Type Market-Rate
Total Units 267
Occupancy 99.3%
Waiting List None
Year Open 2020

Distance to Site 2.0 miles
Age Restriction None

Unit Amenities:
Refrigerator, Range, Dishwasher, Disposal, Microwave, Central AC, Vinyl Flooring, Washer & Dryer, Washer/Dryer Hookups, Patio/Deck/Balcony, Ceiling Fan, Blinds, Quartz Counters

Concessions:
No Rent Specials

Project Amenities:
Swimming Pool, On-site Management, Activity Room, Fitness Center, Elevator, Controlled Access, Computer/Business Center, BBQ Area, Picnic Area, Tanning, Movie Theater, Courtyard

Remarks:

The Belmont House

BRs	Baths	Type	Units	Vacant	Square Feet	Collected Rent		Gross Rent
						Unit	$ / Square Foot	
1	1	G	100	1	646 - 852	$1,499 - $1,690	$1.98 - $2.32	$1,636 - $1,827
2	2 to 3	G	167	1	692 - 1,421	$2,105 - $2,335	$1.64 - $3.04	$2,291 - $2,521

Electric	Tenant	
Heating	Tenant	Gas
Hot Water	Tenant	Gas
Cooking	Tenant	Electric
Water	Tenant	
Sewer	Tenant	
Trash	Landlord	

Key Facts

Type Market-Rate
Total Units 276
Occupancy 99.6%
Waiting List 3 months
Year Open 2003
Renovated 2019
Distance to Site 2.2 miles
Age Restriction None

Unit Amenities:
Refrigerator, Icemaker, Range, Dishwasher, Disposal, Microwave, Central AC, Carpet, Washer/Dryer Hookups, Patio/Deck/Balcony, Ceiling Fan, Fireplace, Security System, Blinds, Vaulted Ceilings

Concessions:
No Rent Specials

Project Amenities:
Swimming Pool, On-site Management, Clubhouse, Lounge, Fitness Center, Storage, Water Feature(s), Computer/Business Center, Dog Park/Pet Care Areas, BBQ Area, Concierge/Doorman, Wi-Fi, Retail/Restaurant, Movie Theater, Valet Dry Cleaning

Remarks:
Basic cable TV included in rent; 2- & 3-br units have attached garage; Flat fee for trash included in reported rents: $20

Marble Cliff Commons

BRs	Baths	Type	Units	Vacant	Square Feet	Collected Rent		Gross Rent
						Unit	$ / Square Foot	
1	1	G	48	1	888	$1,271	$1.43	$1,372
2	2	G	144	0	1,281 - 1,336	$1,632 - $2,132	$1.27 - $1.60	$1,773 - $2,273
3	2	G	84	0	1,615 - 1,732	$2,092 - $2,135	$1.23 - $1.30	$2,274 - $2,317

Electric	Tenant	
Heating	Tenant	Electric
Hot Water	Tenant	Electric
Cooking	Tenant	Electric
Water	Landlord	
Sewer	Landlord	
Trash	Landlord	

Key Facts

Type Market-Rate
Total Units 288
Occupancy 99.0%
Waiting List None
Year Open 1999
Renovated 2014
Distance to Site 3.1 miles
Age Restriction None

Unit Amenities:
Refrigerator, Range, Dishwasher, Disposal, Central AC, Carpet, Washer & Dryer, Washer/Dryer Hookups, Patio/Deck/Balcony, Ceiling Fan, Fireplace, Blinds

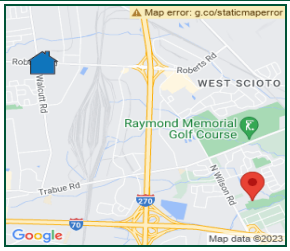
Concessions:
$1,500 off move-in

Project Amenities:
Swimming Pool, On-site Management, Clubhouse, Lounge, Fitness Center, Volleyball, Security Gate, Computer/Business Center, Dog Park/Pet Care Areas, Picnic Area, BBQ Area, Wi-Fi

Remarks:
LRO rents; Rent range based on unit size, updates & attached garage; Select 2- & 3-br units have attached garage & fireplace; Flat fee for water, sewer & trash included in reported rents: $75-$100; Updated kitchens

River Oaks

BRs	Baths	Type	Units	Vacant	Square Feet	Collected Rent		Gross Rent
						Unit	$ / Square Foot	
1	1	G	132	2	765 - 998	$915 - $1,260	$1.20 - $1.26	$884 - $1,229
2	2	G	120	0	1,070 - 1,194	$1,300 - $1,480	$1.22 - $1.24	$1,296 - $1,476
3	2	G	36	1	1,448	$1,860 - $2,005	$1.28 - $1.38	$1,883 - $2,028



Electric	Tenant	
Heating	Tenant	Electric
Hot Water	Tenant	Electric
Cooking	Tenant	Electric
Water	Tenant	
Sewer	Tenant	
Trash	Tenant	

Key Facts

Type Market-Rate
Total Units 186
Occupancy 99.5%
Waiting List None
Year Open 2021

Distance to Site 3.6 miles
Age Restriction None

Unit Amenities:
Refrigerator, Icemaker, Range, Dishwasher, Disposal, Microwave, Central AC, Vinyl Flooring, Washer & Dryer, Washer/Dryer Hookups, Patio/Deck/Balcony, Blinds

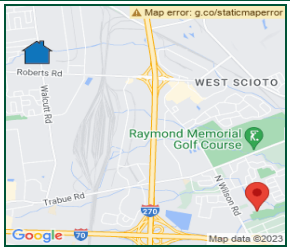
Concessions:
No Rent Specials

Project Amenities:
Swimming Pool, On-site Management, Clubhouse, Activity Room, Fitness Center, Computer/Business Center, BBQ Area, Dog Park/Pet Care Areas, Movie Theater

Remarks:

Sheldon Park

BRs	Baths	Type	Units	Vacant	Square Feet	Collected Rent		Gross Rent
						Unit	$ / Square Foot	
1	1	G	93	0	600 - 712	$1,009 - $1,184	$1.66 - $1.68	$994 - $1,169
2	2	G	93	1	1,032 - 1,230	$1,584 - $1,984	$1.53 - $1.61	$1,524 - $1,924



Electric	Tenant	
Heating	Tenant	Electric
Hot Water	Tenant	Electric
Cooking	Tenant	Electric
Water	Tenant	
Sewer	Tenant	
Trash	Landlord	

Key Facts

Type Market-Rate
Total Units 128
Occupancy 94.5%
Waiting List None
Year Open 2019

Distance to Site 3.6 miles
Age Restriction None

Unit Amenities:
Refrigerator, Icemaker, Range, Dishwasher, Disposal, Microwave, Central AC, Carpet, Washer & Dryer, Washer/Dryer Hookups, Patio/Deck/Balcony, Blinds

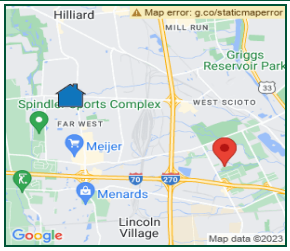
Concessions:
No Rent Specials

Project Amenities:
Swimming Pool, On-site Management, Clubhouse, Lounge, Fitness Center, Computer/Business Center, BBQ Area, Gazebo, Retail/Restaurant

Remarks:
Preleasing began 11/2018; Opened 1/2019; Reached stabilized occupancy 6/2019; Flat fee for trash included in reported rents: $15

Peyton Park

BRs	Baths	Type	Units	Vacant	Square Feet	Collected Rent		Gross Rent
						Unit	$ / Square Foot	
1	1	G	40	3	712	$1,200	$1.69	$1,337
2	2	G	88	4	1,032	$1,500	$1.45	$1,686



Electric	Tenant	
Heating	Tenant	Electric
Hot Water	Tenant	Electric
Cooking	Tenant	Electric
Water	Tenant	
Sewer	Tenant	
Trash	Landlord	

Key Facts

Type Market-Rate

Total Units 184

Occupancy 100.0%

Waiting List 28 households

Year Open 2019

Distance to Site 4.6 miles

Age Restriction None

Unit Amenities:
Refrigerator, Icemaker, Range, Dishwasher, Disposal, Microwave, Central AC, Carpet, Washer/Dryer Hookups, Patio/Deck/Balcony, Ceiling Fan, Blinds, 9-ft. Ceilings

Concessions:
No Rent Specials

Project Amenities:
Swimming Pool, On-site Management, Clubhouse, Lounge, Fitness Center, Water Feature(s), Computer/Business Center, BBQ Area, Picnic Area, Activities/Events, Wi-Fi, Movie Theater, Package Service

Remarks:
Preleasing began 3/2019; Opened 5/2019; Reached stabilized occupancy 11/2019

Gables West

BRs	Baths	Type	Units	Vacant	Square Feet	Collected Rent		Gross Rent
						Unit	$ / Square Foot	
1	1	G	74	0	700	$959 - $989	$1.37 - $1.41	$1,096 - $1,126
2	1 to 2	G	98	0	975	$1,069 - $1,189	$1.10 - $1.22	$1,255 - $1,375
3	2	G	12	0	1,245	$1,519	$1.22	$1,756

We have also prepared an achievable Tax Credit rent analysis to evaluate the appropriateness of the proposed rents compared to existing Tax Credit rental alternatives. The properties used in this analysis are detailed in Section X, Comparable Tax Credit Analysis of this report. The subject development and the six selected Tax Credit properties include the following:

Comparable Tax Credit Projects								
Map ID	Project Name	Year Opened/ Renovated	Total Units	Occupancy Rate	Unit Mix (Occupancy Rate)			
					One-Br.	Two-Br.	Three-Br.	Four-Br.
Site	**West Fork**	**2025**	**216**	**-**	**72**	**72**	**36**	**36**
3	Pine Crossing	1972 / 1997	79*	79.7%	10 (80.0%)	59 (76.3%)	10 (100.0%)	-
5	Whispering Creek Apts.	2020	188	100.0%	52 (100.0%)	84 (100.0%)	36 (100.0%)	16 (100.0%)
26	Wheatland Crossing II	2021	64	100.0%	15 (100.0%)	41 (100.0%)	8 (100.0%)	-
54	Willow Bend Twnhms.	1992 / 2012	92	100.0%	-	-	92 (100.0%)	-
57	Country Ridge Apts.	1998 / 2013	96	100.0%	-	48 (100.0%)	48 (100.0%)	-
901	Golf Pointe Apts.	2002 / 2018	228	99.1%	100 (99.0%)	112 (99.1%)	16 (100.0%)	-

Source: VSI Field Survey
900 Series map codes located outside the PMA
*Market-rate units not included

The six LIHTC projects have a combined occupancy rate of 97.6%, indicating a very strong demand for non-subsidized affordable housing in the market. Five of these projects have waiting lists. Golf Pointe Apartments is located just outside the Site PMA boundary and was included due to its age, quality and unit types offered.

The Rent Comparability Grids on the following pages show the collected rents for each of the selected properties and illustrate the adjustments made (as needed) for various features and location or neighborhood characteristics, as well as quality differences that exist among the selected properties and the subject development as proposed. We have included the market-rate rent grids for each bedroom type, followed by the Tax Credit rent grids for one- to three-bedroom units at 60% AMI. We have not created a four-bedroom achievable LIHTC grid due to the limited number of four-bedroom comparables (one). We have estimated the four-bedroom achievable rent based on the value to market rent.

One-Bedroom Market-Rate Comparability Grid

	Subject		Comp #1		Comp #2		Comp #3		Comp #4		Comp #5		Comp #6		Comp #7		Comp #8	
	West Fork		Cornerstone Village		Hanover Park		The Belmont House		Marble Cliff Commons		River Oaks		Sheldon Park		Peyton Park		Gables West	
	Twin Creeks Dr.	Data on	4441 Trabue Rd.		2900 Angelo Joseph Ln.		3325 McKinley Ave.		2828 Marblevista Blvd.		2299 River Oaks Dr.		2460 Walcutt Rd.		2581 Walcutt Rd.		2383 Silvercrest Ln.	
	Columbus, OH	Subject	Columbus, OH		Columbus, OH		Columbus, OH		Columbus, OH		Columbus, OH		Columbus, OH		Hilliard, OH		Hilliard, OH	
A.	**Rents Charged**		Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj
1	$ Last Rent/Restricted?		$1,295		$1,345		$1,499		$1,271		$915		$1,009		$1,200		$974	
3	Rent Concessions		YES	($108)	NONE		NONE		NONE		YES	($125)	YES	($168)	NONE		NONE	
4	Occupancy for Unit Type		97%		100%		99%		98%		98%		100%		93%		100%	
5	Effective Rent & Rent/Sq. Ft.		$1,187	$1.74	$1,345	$1.98	$1,499	$2.32	$1,271	$1.43	$790	$1.03	$841	$1.40	$1,200	$1.69	$974	$1.39
B.	**Design, Location, Condition**		Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj
6	Structure/Stories	WU/2,3	WU/3		WU/3		EE/4,5	($30)	WU/1,2		WU/3		WU/3		WU/2		WU/3	
7	Year Built/Year Renovated	2025	2021	$4	2021	$4	2020	$5	2003/2019	$14	1999/2014	$18	2021	$4	2019	$6	2019	$6
8	Condition/Street Appeal	A	A		A		A		A		B	$45	A		A		A	
9	Neighborhood	B	B		B		B		B		A	($30)	A	($30)	A	($30)	A	($30)
10	Same Market? Miles to Subj		Y/1.4		Y/2.4		Y/2.0		Y/2.2		Y/3.1		Y/3.6		Y/3.6		Y/4.6	
C.	**Unit Equipment/ Amenities**		Data	$ Adj	Data	Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj
11	# Bedrooms	1	1		1		1		1		1		1		1		1	
12	# Baths	1	1		1		1		1		1		1		1		1	
13	Unit Interior Sq. Ft.	749	681	$28	681	$28	646	$43	888	($58)	765	($7)	600	$62	712	$15	700	$20
14	Balcony/Patio	Y	Y		Y		Y		Y		Y		Y		Y		Y	
15	AC: Central/Wall	C	C		C		C		C		C		C		C		C	
16	Range/Refrigerator	R/F	R/F		R/F		R/F		R/F		R/F		R/F		R/F		R/F	
17	Microwave/Dishwasher	Y/Y	Y/Y		Y/Y		Y/Y		Y/Y		N/Y	$5	Y/Y		Y/Y		Y/Y	
18	Washer/Dryer	W/D	W/D		W/D		W/D		HU	$20	W/D		W/D		W/D		HU	$20
19	Floor Coverings	C	V	$5	V	$5	V	$5	C		C		V	$5	C		C	
20	Window Treatments	B	B		B		B		B		B		B		B		B	
21	Ceiling Fan	Y	N	$5	N	$5	Y		Y		Y		N	$5	N	$5	Y	
22	Walk-In Closet	Y	Y		Y		Y		Y		Y		N	$3	Y		N	$3
23	Garbage Disposal	Y	Y		Y		Y		Y		Y		Y		Y		Y	
D	**Site Equipment/ Amenities**		Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj
24	Parking ($ Fee)	LOT/$0	LOT/$0		LOT/$0		LOT/$0		LOT/$0		LOT/$0		LOT/$0		LOT/$0		LOT/$0	
25	On-Site Management	Y	Y		Y		Y		Y		Y		Y		Y		Y	
26	Security	S	N	$2	N	$2	C	($1)	N	$2	G	($3)	N	$2	N	$2	N	$2
27	Clubhouse/Meeting Rooms	CH/A/L	CH/A	$4	CH/A	$4	A	$9	CH/L	$2	CH/L	$2	CH/A	$4	CH/L	$2	CH/L	$2
28	Pool/Recreation Areas	F	P/F	($10)	P/F/V	($15)	P/F	($10)	P/F	($10)	P/F/V	($15)	P/F	($10)	P/F	($10)	P/F	($10)
29	Playground	Y	N	$5	N	$5	N	$5	N	$5	N	$5	N	$5	N	$5	N	$5
30	Business Center	Y	Y		Y		Y		Y		Y		Y		Y		Y	
31	Outdoor Areas	B/P/D	B/P	$5	B/P/D		B/P	$5	D/B	$2	D/P/B	$0	B/D	$2	B/Z	$5	B/P	$5
32	Services	N	N		A	($5)	N		N		N		N		N		A	($5)
E.	**Utilities**		Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj
33	Heat (in rent?/type)	N/E	N/E		N/E		N/E		N/G	$11	N/E		N/E		N/E		N/E	
34	Cooling (in rent?/type)	N/E	N/E		N/E		N/E		N/E		N/E		N/E		N/E		N/E	
35	Cooking (in rent?/type)	N/E	N/E		N/E		N/E		N/E		N/E		N/E		N/E		N/E	
36	Hot Water (in rent?/type)	N/E	N/E		N/E		N/E		N/G	($12)	N/E		N/E		N/E		N/E	
37	Other Electric	N	N		N		N		N		N		N		N		N	
38	Cold Water/Sewer	N/N	N/N		N/N		N/N		N/N		Y/Y	($43)	N/N		N/N		N/N	
39	Trash/Recycling	Y/N	N/N	$16	N/N	$16	Y/N		Y/N		Y/N		N/N	$16	Y/N		Y/N	
F.	**Adjustments Recap**		Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
40	# Adjustments B to D		8	1	7	2	6	3	6	2	5	4	9	2	7	2	8	3
41	Sum Adjustments B to D		$58	($10)	$53	($20)	$72	($41)	$45	($68)	$75	($55)	$92	($40)	$40	($40)	$63	($45)
42	Sum Utility Adjustments		$16	$0	$16	$0	$0	$0	$11	($12)	$0	($43)	$16	$0	$0	$0	$0	$0
			Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross
43	*Net/Gross Adjmts B to E*		*$64*	*$84*	*$49*	*$89*	*$31*	*$113*	*($24)*	*$136*	*($23)*	*$173*	*$68*	*$148*	*$0*	*$80*	*$18*	*$108*
G.	**Adjusted & Market Rents**		Adj. Rent		Adj. Rent		Adj. Rent		Adj. Rent		Adj. Rent		Adj. Rent		Adj. Rent		Adj. Rent	
44	**Adjusted Rent** (5+ 43)		$1,251		$1,394		$1,530		$1,247		$767		$909		$1,200		$992	
45	Adj. Rent/Last Rent			105%		104%		102%		98%		97%		108%		100%		102%
46	**Estimated Market Rent**	$1,150	$1.54		Estimated Market Rent/Sq. Ft.													

Two-Bedroom Market-Rate Comparability Grid

	Subject		Comp #1		Comp #2		Comp #3		Comp #4		Comp #5		Comp #6		Comp #7		Comp #8	
	West Fork		Cornerstone Village		Hanover Park		The Belmont House		Marble Cliff Commons		River Oaks		Sheldon Park		Peyton Park		Gables West	
	Twin Creeks Dr.	Data on	4441 Trabue Rd.		2900 Angelo Joseph Ln.		3325 McKinley Ave.		2828 Marblevista Blvd.		2299 River Oaks Dr.		2460 Walcutt Rd.		2581 Walcutt Rd.		2383 Silvercrest Ln.	
	Columbus, OH	Subject	Columbus, OH		Columbus, OH		Columbus, OH		Columbus, OH		Columbus, OH		Columbus, OH		Hilliard, OH		Hilliard, OH	
A.	**Rents Charged**		Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj
1	$ Last Rent/Restricted?		$1,535		$1,865		$2,105		$1,632		$1,300		$1,584		$1,500		$1,189	
3	Rent Concessions		YES	($128)	NONE		NONE		NONE		YES	($125)	YES	($262)	NONE		NONE	
4	Occupancy for Unit Type		95%		97%		99%		100%		100%		99%		95%		100%	
5	Effective Rent & Rent/Sq. Ft.		$1,407	$1.47	$1,865	$1.77	$2,105	$3.04	$1,632	$1.27	$1,175	$1.10	$1,323	$1.28	$1,500	$1.45	$1,189	$1.22
B.	**Design, Location, Condition**		Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj
6	Structure/Stories	WU/2,3	WU/3		WU/3		EE/4,5	($30)	WU/1,2		WU/3		WU/3		WU/2		WU/3	
7	Year Built/Year Renovated	2025	2021	$4	2021	$4	2020	$5	2003/2019	$14	1999/2014	$18	2021	$4	2019	$6	2019	$6
8	Condition/Street Appeal	A	A		A		A		A		B	$45	A		A		A	
9	Neighborhood	B	B		B		B		B		A	($30)	A	($30)	A	($30)	A	($30)
10	Same Market? Miles to Subj		Y/1.4		Y/2.4		Y/2.0		Y/2.2		Y/3.1		Y/3.6		Y/3.6		Y/4.6	
C.	**Unit Equipment/ Amenities**		Data	$ Adj	Data	Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj
11	# Bedrooms	2	2		2		2		2		2		2		2		2	
12	# Baths	2	2		2		2		2		2		2		2		2	
13	Unit Interior Sq. Ft.	1052	957	$38	1055	($1)	692	$146	1281	($93)	1070	($7)	1032	$8	1032	$8	975	$31
14	Balcony/Patio	Y	Y		Y		Y		Y		Y		Y		Y		Y	
15	AC: Central/Wall	C	C		C		C		C		C		C		C		C	
16	Range/Refrigerator	R/F	R/F		R/F		R/F		R/F		R/F		R/F		R/F		R/F	
17	Microwave/Dishwasher	Y/Y	Y/Y		Y/Y		Y/Y		Y/Y		N/Y	$5	Y/Y		Y/Y		Y/Y	
18	Washer/Dryer	W/D	W/D		W/D		W/D		HU	$20	W/D		W/D		W/D		HU	$20
19	Floor Coverings	C	V	$5	V	$5	V	$5	C		C		V	$5	C		C	
20	Window Treatments	B	B		B		B		B		B		B		B		B	
21	Ceiling Fan	Y	N	$5	N	$5	Y		Y		Y		N	$5	N	$5	Y	
22	Walk-In Closet	Y	Y		Y		Y		Y		Y		N	$3	Y		N	$3
23	Garbage Disposal	Y	Y		Y		Y		Y		Y		Y		Y		Y	
D	**Site Equipment/ Amenities**		Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj
24	Parking ($ Fee)	LOT/$0	LOT/$0		LOT/$0		LOT/$0		LOT/$0		LOT/$0		LOT/$0		LOT/$0		LOT/$0	
25	On-Site Management	Y	Y		Y		Y		Y		Y		Y		Y		Y	
26	Security	S	N	$2	N	$2	C	($1)	N	$2	G	($3)	N	$2	N	$2	N	$2
27	Clubhouse/Meeting Rooms	CH/A/L	CH/A	$4	CH/A	$4	A	$9	CH/L	$2	CH/L	$2	CH/A	$4	CH/L	$2	CH/L	$2
28	Pool/Recreation Areas	F	P/F	($10)	P/F/V	($15)	P/F	($10)	P/F	($10)	P/F/V	($15)	P/F	($10)	P/F	($10)	P/F	($10)
29	Playground	Y	N	$5	N	$5	N	$5	N	$5	N	$5	N	$5	N	$5	N	$5
30	Business Center	Y	Y		Y		Y		Y		Y		Y		Y		Y	
31	Outdoor Areas	B/P/D	B/P	$5	B/P/D		B/P	$5	D/B	$2	D/P/B	$0	B/D	$2	B/Z	$5	B/P	$5
32	Services	N	N		A	($5)	N		N		N		N		N		A	($5)
E.	**Utilities**		Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj
33	**Heat** (in rent?/type)	N/E	N/E		N/E		N/E		N/G	$9	N/E		N/E		N/E		N/E	
34	**Cooling** (in rent?/type)	N/E	N/E		N/E		N/E		N/E		N/E		N/E		N/E		N/E	
35	**Cooking** (in rent?/type)	N/E	N/E		N/E		N/E		N/E		N/E		N/E		N/E		N/E	
36	**Hot Water** (in rent?/type)	N/E	N/E		N/E		N/E		N/G	($19)	N/E		N/E		N/E		N/E	
37	Other Electric	N	N		N		N		N		N		N		N		N	
38	Cold Water/Sewer	N/N	N/N		N/N		N/N		N/N		Y/Y	($65)	N/N		N/N		N/N	
39	Trash/Recycling	Y/N	N/N	$16	N/N	$16	Y/N		Y/N		Y/N		N/N	$16	Y/N		Y/N	
F.	**Adjustments Recap**		Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
40	# Adjustments B to D		8	1	6	3	6	3	6	2	5	4	9	2	7	2	8	3
41	Sum Adjustments B to D		$68	($10)	$25	($21)	$175	($41)	$45	($103)	$75	($55)	$38	($40)	$33	($40)	$74	($45)
42	Sum Utility Adjustments		$16	$0	$16	$0	$0	$0	$9	($19)	$0	($65)	$16	$0	$0	$0	$0	$0
			Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross
43	*Net/Gross Adjmts B to E*		*$74*	*$94*	*$20*	*$62*	*$134*	*$216*	*($68)*	*$176*	*($45)*	*$195*	*$14*	*$94*	*($7)*	*$73*	*$29*	*$119*
G.	**Adjusted & Market Rents**		Adj. Rent		Adj. Rent		Adj. Rent		Adj. Rent		Adj. Rent		Adj. Rent		Adj. Rent		Adj. Rent	
44	**Adjusted Rent** (5+ 43)		$1,482		$1,885		$2,239		$1,564		$1,130		$1,337		$1,493		$1,218	
45	Adj. Rent/Last Rent			105%		101%		106%		96%		96%		101%		100%		102%
46	**Estimated Market Rent**	$1,525	$1.45		Estimated Market Rent/Sq. Ft.													

Three-Bedroom Market-Rate Comparability Grid

	Subject		Comp #1		Comp #2		Comp #3	
	West Fork		Marble Cliff Commons		River Oaks		Gables West	
	Twin Creeks Dr.	Data on	2828 Marblevista Blvd.		2299 River Oaks Dr.		2383 Silvercrest Ln.	
	Columbus, OH	Subject	Columbus, OH		Columbus, OH		Hilliard, OH	
A.	**Rents Charged**		Data	$ Adj	Data	$ Adj	Data	$ Adj
1	$ Last Rent/Restricted?		$2,092		$1,933		$1,519	
3	Rent Concessions		NONE		YES	($125)	NONE	
4	Occupancy for Unit Type		100%		97%		100%	
5	Effective Rent & Rent/Sq. Ft.		$2,092	$1.30	$1,808	$1.25	$1,519	$1.22
B.	Design, Location, Condition		Data	$ Adj	Data	$ Adj	Data	$ Adj
6	Structure/Stories	WU/2,3	WU/1,2		WU/3		WU/3	
7	Year Built/Year Renovated	2025	2003/2019	$14	1999/2014	$18	2019	$6
8	Condition/Street Appeal	A	A		B	$45	A	
9	Neighborhood	B	B		A	($30)	A	($30)
10	Same Market? Miles to Subj		Y/2.2		Y/3.1		Y/4.6	
C.	Unit Equipment/ Amenities		Data	$ Adj	Data	$ Adj	Data	$ Adj
11	# Bedrooms	3	3		3		3	
12	# Baths	2	2		2		2	
13	Unit Interior Sq. Ft.	1187	1615	($135)	1448	($82)	1245	($18)
14	Balcony/Patio	Y	Y		Y		Y	
15	AC: Central/Wall	C	C		C		C	
16	Range/Refrigerator	R/F	R/F		R/F		R/F	
17	Microwave/Dishwasher	Y/Y	Y/Y		N/Y	$5	Y/Y	
18	Washer/Dryer	W/D	HU	$20	W/D		HU	$20
19	Floor Coverings	C	C		C		C	
20	Window Treatments	B	B		B		B	
21	Ceiling Fan	Y	Y		Y		Y	
22	Walk-In Closet	Y	Y		Y		N	$3
23	Garbage Disposal	Y	Y		Y		Y	
D	Site Equipment/ Amenities		Data	$ Adj	Data	$ Adj	Data	$ Adj
24	Parking ($ Fee)	LOT/$0	LOT/$0		LOT/$0		LOT/$0	
25	On-Site Management	Y	Y		Y		Y	
26	Security	S	N	$2	G	($3)	N	$2
27	Clubhouse/Meeting Rooms	CH/A/L	CH/L	$2	CH/L	$2	CH/L	$2
28	Pool/Recreation Areas	F	P/F	($10)	P/F/V	($15)	P/F	($10)
29	Playground	Y	N	$5	N	$5	N	$5
30	Business Center	Y	Y		Y		Y	
31	Outdoor Areas	B/P/D	D/B	$2	D/P/B	$0	B/P	$5
32	Services	N	N		N		A	($5)
E.	Utilities		Data	$ Adj	Data	$ Adj	Data	$ Adj
33	Heat (in rent?/type)	N/E	N/G	$6	N/E		N/E	
34	Cooling (in rent?/type)	N/E	N/E		N/E		N/E	
35	Cooking (in rent?/type)	N/E	N/E		N/E		N/E	
36	Hot Water (in rent?/type)	N/E	N/G	($26)	N/E		N/E	
37	Other Electric	N	N		N		N	
38	Cold Water/Sewer	N/N	N/N		Y/Y	($89)	N/N	
39	Trash/Recycling	Y/N	Y/N		Y/N		Y/N	
F.	Adjustments Recap		Pos	Neg	Pos	Neg	Pos	Neg
40	# Adjustments B to D		6	2	5	4	7	4
41	Sum Adjustments B to D		$45	($145)	$75	($130)	$43	($63)
42	Sum Utility Adjustments		$6	($26)	$0	($89)	$0	$0
			Net	Gross	Net	Gross	Net	Gross
43	*Net/Gross Adjmts B to E*		*($120)*	*$222*	*($144)*	*$294*	*($20)*	*$106*
G.	Adjusted & Market Rents		Adj. Rent		Adj. Rent		Adj. Rent	
44	Adjusted Rent (5+ 43)		$1,972		$1,663		$1,499	
45	Adj. Rent/Last Rent			94%		92%		99%
46	Estimated Market Rent	$1,750	$1.47	Estimated Market Rent/Sq. Ft.				

Four-Bedroom Market-Rate Comparability Grid

	Subject		Comp #1		Comp #2		Comp #3	
	West Fork		Marble Cliff Commons		River Oaks		Gables West	
	Twin Creeks Dr.	Data on	2828 Marblevista Blvd.		2299 River Oaks Dr.		2383 Silvercrest Ln.	
	Columbus, OH	Subject	Columbus, OH		Columbus, OH		Hilliard, OH	
A.	**Rents Charged**		**Data**	**$ Adj**	**Data**	**$ Adj**	**Data**	**$ Adj**
1	**$ Last Rent/Restricted?**		**$2,092**		**$1,933**		**$1,519**	
3	**Rent Concessions**		NONE		YES	($125)	NONE	
4	**Occupancy for Unit Type**		100%		97%		100%	
5	**Effective Rent & Rent/Sq. Ft.**		**$2,092**	$1.30	**$1,808**	$1.25	**$1,519**	$1.22
B.	**Design, Location, Condition**		**Data**	**$ Adj**	**Data**	**$ Adj**	**Data**	**$ Adj**
6	**Structure/Stories**	**WU/2,3**	WU/1,2		WU/3		WU/3	
7	**Year Built/Year Renovated**	**2025**	2003/2019	$14	1999/2014	$18	2019	$6
8	**Condition/Street Appeal**	**A**	A		B	$45	A	
9	**Neighborhood**	**B**	B		A	($30)	A	($30)
10	**Same Market? Miles to Subj**		Y/2.2		Y/3.1		Y/4.6	
C.	**Unit Equipment/ Amenities**		**Data**	**$ Adj**	**Data**	**$ Adj**	**Data**	**$ Adj**
11	**# Bedrooms**	**4**	3	$50	3	$50	3	$50
12	**# Baths**	**2**	2		2		2	
13	**Unit Interior Sq. Ft.**	**1437**	1615	($56)	1448	($3)	1245	$60
14	**Balcony/Patio**	**Y**	Y		Y		Y	
15	**AC: Central/Wall**	**C**	C		C		C	
16	**Range/Refrigerator**	**R/F**	R/F		R/F		R/F	
17	**Microwave/Dishwasher**	**Y/Y**	Y/Y		N/Y	$5	Y/Y	
18	**Washer/Dryer**	**W/D**	HU	$20	W/D		HU	$20
19	**Floor Coverings**	**C**	C		C		C	
20	**Window Treatments**	**B**	B		B		B	
21	**Ceiling Fan**	**Y**	Y		Y		Y	
22	**Walk-In Closet**	**Y**	Y		Y		N	$3
23	**Garbage Disposal**	**Y**	Y		Y		Y	
D	**Site Equipment/ Amenities**		**Data**	**$ Adj**	**Data**	**$ Adj**	**Data**	**$ Adj**
24	**Parking** ($ Fee)	**LOT/$0**	LOT/$0		LOT/$0		LOT/$0	
25	**On-Site Management**	**Y**	Y		Y		Y	
26	**Security**	**S**	N	$2	G	($3)	N	$2
27	**Clubhouse/Meeting Rooms**	**CH/A/L**	CH/L	$2	CH/L	$2	CH/L	$2
28	**Pool/Recreation Areas**	**F**	P/F	($10)	P/F/V	($15)	P/F	($10)
29	**Playground**	**Y**	N	$5	N	$5	N	$5
30	**Business Center**	**Y**	Y		Y		Y	
31	**Outdoor Areas**	**B/P/D**	D/B	$2	D/P/B	$0	B/P	$5
32	**Services**	**N**	N		N		A	($5)
E.	**Utilities**		**Data**	**$ Adj**	**Data**	**$ Adj**	**Data**	**$ Adj**
33	**Heat** (in rent?/type)	**N/E**	N/G	$1	N/E	($5)	N/E	($5)
34	**Cooling** (in rent?/type)	**N/E**	N/E		N/E		N/E	
35	**Cooking** (in rent?/type)	**N/E**	N/E	($2)	N/E	($2)	N/E	($2)
36	**Hot Water** (in rent?/type)	**N/E**	N/G	($35)	N/E	($9)	N/E	($9)
37	**Other Electric**	**N**	N		N		N	
38	**Cold Water/Sewer**	**N/N**	N/N		Y/Y	($89)	N/N	
39	**Trash/Recycling**	**Y/N**	Y/N		Y/N		Y/N	
F.	**Adjustments Recap**		**Pos**	**Neg**	**Pos**	**Neg**	**Pos**	**Neg**
40	**# Adjustments B to D**		7	2	6	4	9	3
41	**Sum Adjustments B to D**		$95	($66)	$125	($51)	$153	($45)
42	**Sum Utility Adjustments**		$1	($37)	$0	($105)	$0	($16)
			Net	**Gross**	**Net**	**Gross**	**Net**	**Gross**
43	***Net/Gross Adjmts B to E***		*($7)*	*$199*	*($31)*	*$281*	*$92*	*$214*
G.	**Adjusted & Market Rents**		**Adj. Rent**		**Adj. Rent**		**Adj. Rent**	
44	**Adjusted Rent** (5+ 43)		**$2,085**		**$1,776**		**$1,611**	
45	Adj. Rent/Last Rent			100%		98%		106%
46	**Estimated Market Rent**	**$1,825**	**$1.27**	**Estimated Market Rent/Sq. Ft.**				

One-Bedroom Garden @ 60% Comparability Grid

	Subject		Comp #1		Comp #2		Comp #3		Comp #4	
	West Fork		Pine Crossing		Whispering Creek Apts.		Wheatland Crossing II		Golf Pointe Apts.	
	Twin Creeks Dr.	Data on	3691 Windward Way		2960 Gooden Way		158 N. Wheatland Ave.		750 Nicklaus Blvd.	
	Columbus, OH	Subject	Columbus, OH		Columbus, OH		Columbus, OH		Galloway, OH	
A.	**Rents Charged**		Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj
1	$ Last Rent/Restricted?		$879		$917		$775		$859	
3	Rent Concessions		NONE		NONE		NONE		NONE	
4	Occupancy for Unit Type		80%	$46	100%	$48	100%	$40	99%	$45
5	Effective Rent & Rent/Sq. Ft.		$925	$1.42	$965	$1.35	$815	$1.21	$904	$1.17
B.	**Design, Location, Condition**		Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj
6	Structure/Stories	WU/2,3	WU/2.5		WU/2,3		EE/3	($15)	WU/2	
7	Year Built/Year Renovated	2025	1972/1997	$40	2020	$5	2021	$4	2002/2018	$15
8	Condition/Street Appeal	A	C+	$50	A		A		B+	$20
9	Neighborhood	B	B		B		B		B	
10	Same Market? Miles to Subj		Y/0.3		Y/1.9		Y/3.6		NO	
C.	**Unit Equipment/ Amenities**		Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj
11	# Bedrooms	1	1		1		1		1	
12	# Baths	1	1		1		1		1	
13	Unit Interior Sq. Ft.	749	650	$32	712	$12	673	$24	772	($7)
14	Balcony/Patio	Y	N	$5	Y		Y		Y	
15	AC: Central/Wall	C	C		C		C		C	
16	Range/Refrigerator	R/F	R/F		R/F		R/F		R/F	
17	Microwave/Dishwasher	Y/Y	N/Y	$5	Y/Y		Y/Y		N/Y	$5
18	Washer/Dryer	W/D	L	$25	HU/L	$15	HU/L	$15	HU/L	$15
19	Floor Coverings	C	C		C		V	$5	C	
20	Window Treatments	B	B		B		B		B	
21	Ceiling Fan	Y	Y		Y		N	$5	N	$5
22	Walk-In Closet	Y	N	$3	Y		N	$3	Y	
23	Garbage Disposal	Y	Y		Y		Y		Y	
D	**Site Equipment/ Amenities**		Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj
24	Parking ($ Fee)	LOT/$0	LOT/$0		LOT/$0		LOT/$0		LOT/$0	
25	On-Site Management	Y	Y		Y		Y		Y	
26	Security	S	N	$2	N	$2	C	($1)	N	$2
27	Clubhouse/Meeting Rooms	CH/A/L	CH/A	$4	CH/G	$3	A	$9	CH/L	$2
28	Pool/Recreation Areas	F	P/F	($10)	P/F	($10)	F		P	($7)
29	Playground	Y	Y		Y		Y		Y	
30	Business Center	Y	N	$4	Y		Y		N	$4
31	Outdoor Areas	B/P/D	P/D/B/Z/G	($4)	P/D	$2	B/P/W	$0	N	$9
32	Services	N	N		N		S	($5)	N	
E.	**Utilities**		Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj
33	**Heat** (in rent?/type)	N/E	N/G	$11	N/E		N/E		N/E	
34	**Cooling** (in rent?/type)	N/E	N/E		N/E		N/E		N/E	
35	**Cooking** (in rent?/type)	N/E	N/E		N/E		N/E		N/E	
36	**Hot Water** (in rent?/type)	N/E	N/G	($12)	N/E		N/E		N/E	
37	Other Electric	N	N		N		N		N	
38	Cold Water/Sewer	N/N	Y/Y	($43)	N/N		Y/Y	($43)	Y/Y	($43)
39	Trash/Recycling	Y/N	Y/N		Y/N		Y/N		Y/N	
F.	**Adjustments Recap**		Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
40	# Adjustments B to D		10	2	6	1	7	3	9	2
41	Sum Adjustments B to D		$170	($14)	$39	($10)	$65	($21)	$77	($14)
42	Sum Utility Adjustments		$11	($55)	$0	$0	$0	($43)	$0	($43)
			Net	Gross	Net	Gross	Net	Gross	Net	Gross
43	*Net/Gross Adjmts B to E*		*$112*	*$250*	*$29*	*$49*	*$1*	*$129*	*$20*	*$134*
G.	**Adjusted & Market Rents**		Adj. Rent		Adj. Rent		Adj. Rent		Adj. Rent	
44	**Adjusted Rent** (5+ 43)		$1,037		$994		$817		$923	
45	Adj. Rent/Last Rent			112%		103%		100%		102%
46	**Estimated LIHTC Rent**	$984	$1.31		Estimated LIHTC Rent/Sq. Ft.					

Two-Bedroom Garden @ 60% Comparability Grid

	Subject		Comp #1		Comp #2		Comp #3		Comp #4		Comp #5	
	West Fork		Pine Crossing		Whispering Creek Apts.		Wheatland Crossing II		Country Ridge Apts.		Golf Pointe Apts.	
	Twin Creeks Dr.	Data on	3691 Windward Way		2960 Gooden Way		158 N. Wheatland Ave.		5656 Farmhouse Ln.		750 Nicklaus Blvd.	
	Columbus, OH	Subject	Columbus, OH		Columbus, OH		Columbus, OH		Hilliard, OH		Galloway, OH	
A.	**Rents Charged**		Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj
1	$ Last Rent/Restricted?		$1,024		$1,080		$875		$1,025		$1,045	
3	Rent Concessions		NONE		NONE		NONE		NONE		NONE	
4	Occupancy for Unit Type		76%	$53	100%	$56	100%	$46	100%	$53	99%	$54
5	Effective Rent & Rent/Sq. Ft.		$1,077	$1.27	$1,136	$1.09	$921	$1.00	$1,078	$1.21	$1,099	$1.11
B.	**Design, Location, Condition**		Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj
6	Structure/Stories	WU/2,3	WU/2.5		WU/2,3		EE/3	($15)	WU/2		WU/2	
7	Year Built/Year Renovated	2025	1972/1997	$40	2020	$5	2021	$4	1998/2013	$19	2002/2018	$15
8	Condition/Street Appeal	A	C+	$50	A		A		B+	$20	B+	$20
9	Neighborhood	B	B		B		B		A	($15)	B	
10	Same Market? Miles to Subj		Y/0.3		Y/1.9		Y/3.6		Y/4.6		NO	
C.	**Unit Equipment/ Amenities**		Data	Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj
11	# Bedrooms	2	2		2		2		2		2	
12	# Baths	2	1	$30	2		1	$30	1	$30	2	
13	Unit Interior Sq. Ft.	1052	850	$57	1038	$4	917	$38	888	$47	986	$19
14	Balcony/Patio	Y	N	$5	Y		Y		Y		Y	
15	AC: Central/Wall	C	C		C		C		C		C	
16	Range/Refrigerator	R/F	R/F		R/F		R/F		R/F		R/F	
17	Microwave/Dishwasher	Y/Y	N/Y	$5	Y/Y		Y/Y		N/Y	$5	N/Y	$5
18	Washer/Dryer	W/D	L	$25	HU/L	$15	HU/L	$15	HU/L	$15	HU/L	$15
19	Floor Coverings	C	C		C		V	$5	C		C	
20	Window Treatments	B	B		B		B		B		B	
21	Ceiling Fan	Y	Y		Y		N	$5	Y		N	$5
22	Walk-In Closet	Y	N	$3	Y		N	$3	N	$3	Y	
23	Garbage Disposal	Y	Y		Y		Y		Y		Y	
D	**Site Equipment/ Amenities**		Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj
24	Parking ($ Fee)	LOT/$0	LOT/$0		LOT/$0		LOT/$0		LOT/$0		LOT/$0	
25	On-Site Management	Y	Y		Y		Y		Y		Y	
26	Security	S	N	$2	N	$2	C	($1)	N	$2	N	$2
27	Clubhouse/Meeting Rooms	CH/A/L	CH/A	$4	CH/G	$3	A	$9	CH/A	$4	CH/L	$2
28	Pool/Recreation Areas	F	P/F	($10)	P/F	($10)	F		N	$3	P	($7)
29	Playground	Y	Y		Y		Y		Y		Y	
30	Business Center	Y	N	$4	Y		Y		N	$4	N	$4
31	Outdoor Areas	B/P/D	P/D/B/Z/G	($4)	P/D	$2	B/P/W	$0	P	$7	N	$9
32	Services	N	N		N		S	($5)	N		N	
E.	**Utilities**		Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj
33	**Heat** (in rent?/type)	N/E	N/G	$9	N/E		N/E		N/G	$9	N/E	
34	**Cooling** (in rent?/type)	N/E	N/E		N/E		N/E		N/E		N/E	
35	**Cooking** (in rent?/type)	N/E	N/E		N/E		N/E		N/E		N/E	
36	**Hot Water** (in rent?/type)	N/E	N/G	($19)	N/E		N/E		N/G	($19)	N/E	
37	**Other Electric**	N	N		N		N		N		N	
38	**Cold Water/Sewer**	N/N	Y/Y	($65)	N/N		Y/Y	($65)	Y/Y	($65)	Y/Y	($65)
39	**Trash/Recycling**	Y/N	Y/N		Y/N		Y/N		Y/N		Y/N	
F.	**Adjustments Recap**		Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
40	# Adjustments B to D		11	2	6	1	8	3	12	1	10	1
41	Sum Adjustments B to D		$225	($14)	$31	($10)	$109	($21)	$159	($15)	$96	($7)
42	Sum Utility Adjustments		$9	($84)	$0	$0	$0	($65)	$9	($84)	$0	($65)
			Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross
43	*Net/Gross Adjmts B to E*		*$136*	*$332*	*$21*	*$41*	*$23*	*$195*	*$69*	*$267*	*$24*	*$168*
G.	**Adjusted & Market Rents**		Adj. Rent		Adj. Rent		Adj. Rent		Adj. Rent		Adj. Rent	
44	**Adjusted Rent** (5+ 43)		$1,214		$1,157		$944		$1,147		$1,123	
45	Adj. Rent/Last Rent			113%		102%		103%		106%		102%
46	**Estimated LIHTCRent**	$1,177	$1.12		Estimated LIHTC Rent/Sq. Ft.							

Three-Bedroom Garden @ 60% Comparability Grid

	Subject		Comp #1		Comp #2		Comp #3		Comp #4		Comp #5		Comp #6	
	West Fork		Pine Crossing		Whispering Creek Apts.		Wheatland Crossing II		Willow Bend Twnhms.		Country Ridge Apts.		Golf Pointe Apts.	
	Twin Creeks Dr.	Data on	3691 Windward Way		2960 Gooden Way		158 N. Wheatland Ave.		1531 Whispering Willow Ln.		5656 Farmhouse Ln.		750 Nicklaus Blvd.	
	Columbus, OH	Subject	Columbus, OH		Columbus, OH		Columbus, OH		Hilliard, OH		Hilliard, OH		Galloway, OH	
A.	**Rents Charged**		Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj
1	$ Last Rent/Restricted?		$1,281		$1,224		$1,005		$985		$1,150		$1,195	
3	Rent Concessions		NONE		NONE		NONE		NONE		NONE		NONE	
4	Occupancy for Unit Type		100%	$67	100%	$64	100%	$52	100%	$51	100%	$60	100%	$62
5	Effective Rent & Rent/Sq. Ft.		$1,348	$1.28	$1,288	$0.99	$1,057	$0.90	$1,036	$0.89	$1,210	$1.17	$1,257	$1.06
B.	**Design, Location, Condition**		Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj
6	Structure/Stories	WU/2,3	WU/2.5		WU/2,3		EE/3	($15)	WU/1,2		TH/2		WU/2	
7	Year Built/Year Renovated	2025	1972/1997	$40	2020	$5	2021	$4	1992/2012	$23	1998/2013	$19	2002/2018	$15
8	Condition/Street Appeal	A	C+	$50	A		A		B	$30	B+	$20	B+	$20
9	Neighborhood	B	B		B		B		B		A	($15)	B	
10	Same Market? Miles to Subj		Y/0.3		Y/1.9		Y/3.6		Y/3.7		Y/4.6		NO	
C.	**Unit Equipment/ Amenities**		Data	Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj
11	# Bedrooms	3	3		3		3		3		3		3	
12	# Baths	2	1.5	$15	2		1.5	$15	2		2.5	($15)	2	
13	Unit Interior Sq. Ft.	1187	1050	$36	1304	($30)	1180	$2	1160	$7	1031	$40	1181	$2
14	Balcony/Patio	Y	N	$5	Y		Y		Y		Y		Y	
15	AC: Central/Wall	C	C		C		C		C		C		C	
16	Range/Refrigerator	R/F	R/F		R/F		R/F		R/F		R/F		R/F	
17	Microwave/Dishwasher	Y/Y	N/Y	$5	Y/Y		Y/Y		N/Y	$5	N/Y	$5	N/Y	$5
18	Washer/Dryer	W/D	L	$25	HU/L	$15	HU/L	$15	HU	$20	HU/L	$15	HU/L	$15
19	Floor Coverings	C	C		C		V	$5	C		C		C	
20	Window Treatments	B	B		B		B		B		B		B	
21	Ceiling Fan	Y	Y		Y		N	$5	N	$5	Y		N	$5
22	Walk-In Closet	Y	N	$3	Y		N	$3	N	$3	Y		Y	
23	Garbage Disposal	Y	Y		Y		Y		Y		Y		Y	
D	**Site Equipment/ Amenities**		Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj
24	Parking ($ Fee)	LOT/$0	LOT/$0		LOT/$0		LOT/$0		LOT/$0		LOT/$0		LOT/$0	
25	On-Site Management	Y	Y		Y		Y		Y		Y		Y	
26	Security	S	N	$2	N	$2	C	($1)	N	$2	N	$2	N	$2
27	Clubhouse/Meeting Rooms	CH/A/L	CH/A	$4	CH/G	$3	A	$9	N	$11	CH/A	$4	CH/L	$2
28	Pool/Recreation Areas	F	P/F	($10)	P/F	($10)	F		F		N	$3	P	($7)
29	Playground	Y	Y		Y		Y		Y		Y		Y	
30	Business Center	Y	N	$4	Y		Y		N	$4	N	$4	N	$4
31	Outdoor Areas	B/P/D	P/D/B/Z/G	($4)	P/D	$2	B/P/W	$0	N	$9	P	$7	N	$9
32	Services	N	N		N		S	($5)	N		N		N	
E.	**Utilities**		Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj	Data	$ Adj
33	**Heat** (in rent?/type)	N/E	N/G	$6	N/E		N/E	$26	N/G	$6	N/G	$16	N/E	
34	**Cooling** (in rent?/type)	N/E	N/E		N/E		N/E		N/E		N/E		N/E	
35	**Cooking** (in rent?/type)	N/E	N/E		N/E		N/E		N/E		N/E		N/E	
36	**Hot Water** (in rent?/type)	N/E	N/G	($26)	N/E		N/E		N/G	($26)	N/G	($26)	N/E	
37	Other Electric	N	N		N		N		N		N		N	
38	Cold Water/Sewer	N/N	Y/Y	($89)	N/N		Y/Y	($89)	Y/Y	($89)	Y/Y	($89)	Y/Y	($89)
39	Trash/Recycling	Y/N	Y/N		Y/N		Y/N		Y/N		Y/N		Y/N	
F.	**Adjustments Recap**		Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
40	# Adjustments B to D		11	2	5	2	8	3	11	0	10	2	10	1
41	Sum Adjustments B to D		$189	($14)	$27	($40)	$58	($21)	$119	$0	$119	($30)	$79	($7)
42	Sum Utility Adjustments		$6	($115)	$0	$0	$26	($89)	$6	($115)	$16	($115)	$0	($89)
			Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross
43	*Net/Gross Adjmts B to E*		*$66*	*$324*	*($13)*	*$67*	*($26)*	*$194*	*$10*	*$240*	*($10)*	*$280*	*($17)*	*$175*
G.	**Adjusted & Market Rents**		Adj. Rent		Adj. Rent		Adj. Rent		Adj. Rent		Adj. Rent		Adj. Rent	
44	**Adjusted Rent** (5+ 43)		$1,413		$1,274		$1,031		$1,046		$1,200		$1,240	
45	Adj. Rent/Last Rent			105%		99%		98%		101%		99%		99%
46	**Estimated LIHTC Rent**	$1,359	$1.14	Estimated LIHTC Rent/Sq. Ft.										

Once all adjustments to collected rents were made, the adjusted rents for each comparable were used to derive an achievable market rent for each bedroom type. Each property was considered and weighed based upon its proximity to the subject site and its amenities and unit layout compared to the subject site.

Based on the preceding Rent Comparability Grids, we have established the present-day achievable market rents and the achievable Tax Credit for units at the proposed subject development. The estimated four-bedroom 60% AMI achievable rent and 70% AMI rents are based on the value to market rent. The subject rents are compared to the achievable market rents, achievable Tax Credit rents and maximum allowable Tax Credit rents, as well as the Fair Market Rents and 90% of the Fair Market Rents in the following table.

OHFA Derived Rent and Programmatic Rent Comparison Chart				
	One-Bedroom	Two-Bedroom	Three-Bedroom	Four-Bedroom
Proposed Collected Rents	**50% - $798** **60% - $984** **70% - $1,093**	**50% - $954** **60% - $1,177** **70% - $1,400**	**50% - $1,101** **60% - $1,359** **70% - $1,617**	**50% - $1,242** **60% - $1,530** **70% - $1,727**
Proposed Gross Rents	**50% - $930** **60% - $1,116** **70% - $1,225**	**50% - $1,116** **60% - $1,339** **70% - $1,562**	**50% - $1,290** **60% - $1,548** **70% - $1,806**	**50% - $1,438** **60% - $1,726** **70% - $1,923**
Achievable Market Rents	$1,150	$1,525	$1,750	$1,825
Utility Allowance*	$137	$186	$237	$287
Gross Achievable Market Rents	$1,287	$1,711	$1,987	$2,112
Proposed Rents Share of Market Rents	50% - 72.3% 60% - 86.7% 70% - 95.2%	50% - 65.2% 60% - 78.3% 70% - 91.3%	50% - 64.9% 60% - 77.9% 70% - 90.9%	50% - 68.1% 60% - 81.7% 70% - 91.1%
Achievable Tax Credit Rents	50% - $798 60% - $984 70% - $1,093	50% - $954 60% - $1,177 70% - $1,400	50% - $1,101 60% - $1,359 70% - $1,617	50% - $1,242 60% - $1,530 70% - $1,727
Utility Allowance	$137	$186	$237	$287
Gross Achievable Tax Credit Rents	50% - $930 60% - $1,116 70% - $1,225	50% - $1,116 60% - $1,339 70% - $1,562	50% - $1,290 60% - $1,548 70% - $1,806	50% - $1,438 60% - $1,726 70% - $1,923
Proposed Rents Share of Achievable Tax Credit Rents	50% - 100.0% 60% - 100.0% 70% - 100.0%	50% - 100.0% 60% - 100.0% 70% - 100.0%	50% - 100.0% 60% - 100.0% 70% - 100.0%	50% - 100.0% 60% - 100.0% 70% - 100.0%
Maximum Allowable Tax Credit Rents	50% - $930 60% - $1,116 70% - $1,302	50% - $1,116 60% - $1,339 70% - $1,562	50% - $1,290 60% - $1,548 70% - $1,806	50% - $1,438 60% - $1,726 70% - $2,014
Proposed Rents Share of Maximum Allowable Rents	50% - 100.0% 60% - 100.0% 70% - 94.1%	50% - 100.0% 60% - 100.0% 70% - 100.0%	50% - 100.0% 60% - 100.0% 70% - 100.0%	50% - 100.0% 60% - 100.0% 70% - 95.5%
Fair Market Rents	$941	$1,163	$1,426	$1,577
Proposed Rents Share of Fair Market Rents	50% - 84.8% 60% - 104.6% 70% - 116.2%	50% - 82.0% 60% - 101.2% 70% - 120.4%	50% - 77.2% 60% - 95.3% 70% - 113.4%	50% - 78.8% 60% - 97.0% 70% - 109.5%
90% of Fair Market Rents	$847	$1,047	$1,283	$1,419
Proposed Rents Share of 90% of Fair Market Rents	50% - 94.2% 60% - 116.2% 70% - 129.0%	50% - 91.1% 60% - 112.4% 70% - 133.7%	50% - 85.8% 60% - 105.9% 70% - 126.0%	50% - 87.5% 60% - 107.8% 70% - 121.7%

Note the above achievable rent calculations utilize gross rents that include the estimated cost of all utilities.
*The source for the utility values is the local housing authority

The proposed gross rents are 64.9% to 95.2% of the of the achievable gross market rents and should therefore represent a good to moderate value for the local market. Typically, 60% AMI Tax Credit rents are set 10% or more below achievable market rents to ensure that the project will have an adequate flow of tenants. The proposed 60% AMI rents are at least 13.3% below the estimated achievable rents. The maximum allowable 50% and 60% AMI rents are considered achievable. We do not recommend increasing the 70% AMI rents until the property has stabilized, as these rents are untested among the current affordable alternatives, which are capped at 60% AMI. All of the proposed 70% AMI rents represent less than a 10% advantage.

Rent Adjustment Explanations (Rent Comparability Grid)

None of the selected market-rate or Tax Credit comparable properties offers the same amenities as the subject property. As a result, we have adjusted the collected rents to reflect the differences between the subject property and the selected properties. The following are explanations (preceded by the line reference number in the comparability grid table) for each rent adjustment made to each selected property. See index at the end of this section for the list of abbreviations used for amenities found in the rent grids.

1. Rents for each property are reported as collected rents. These are the actual rents paid by tenants and do not consider utilities paid by tenants. The rents reported are typical and do not consider rent concessions or special promotions. When multiple rent levels are offered, we included an average rent.

7. Upon completion of construction, the subject project will be the newest property in the market. We have adjusted the rents at the selected properties to account for age differences among properties.

8. It is anticipated that the subject project as proposed will have an excellent appearance, once construction is complete. We have made adjustments for those properties that we consider to be of inferior quality compared to the subject development.

9. Select properties are located in slightly more desirable neighborhoods than the subject project. We have made an adjustment to account for differences in neighborhood desirability among these projects and the subject project.

12. The number of bathrooms offered in each unit type varies among some of the selected properties. We have made adjustments of $15 per half bathroom to reflect the difference in the number of bathrooms offered at the site compared to the selected properties.

13. The adjustment for differences in square footage is based upon the average rent per square foot among the comparable properties. Since consumers do not value extra square footage on a dollar-for-dollar basis, we have used 25% of the average for this adjustment.

14.-23. The subject project as proposed will offer unit amenities similar to the selected properties. Positive adjustments reflect the value of features lacking at the selected properties, while negative adjustments reflect the value of features the subject property does not offer.

24.-32. The subject project as proposed offers project amenities that will appeal to the targeted demographic. We have made monetary adjustments to reflect the difference between the subject project's and the selected properties' project amenities.

33.-39. We have made adjustments to reflect the differences in utility responsibility at each selected property. The utility adjustments were based on the local housing authority's utility cost estimates.

Index of Abbreviations Used for Amenities

Unit Amenities (Lines 14-23)

Item	Abbr.	Description
AC: Central/Wall	C	Central Air Conditioning
	W	Wall Air Conditioning
Range/ Refrigerator	R	Range
	F	Refrigerator
Washer/Dryer	W/D	Washer/Dryer (in-unit)
	HU	Washer/Dryer Hookups
	L	Laundry Facility
Window Treatments	B	Window Blinds
	D	Window Drapes
	SH	Window Shades
Floor Coverings	C	Carpet Flooring
	T	Tile Flooring
	W	Wood Flooring
	V	Vinyl Flooring
	N	Concrete Flooring

Site/Community Amenities (Lines 24-32)

Item	Abbr.	Description
Parking	LOT	Open Lot Parking
	A-GAR	Attached Garage
	D-GAR	Detached Garage
	P-GAR	Parking Garage
	C	Carport
Security	G	Security Gate
	C	Controlled Access
	O	Security Officer/Patrol
	S	Surveillance Cameras
Clubhouse/ Meeting Rooms	CH	Clubhouse
	A	Activity Room
	L	Lounge
	K	Kitchen
	C	Chapel
	B	Billiards
	G	Game Room
Pool/ Recreation Areas	P	Pool
	F	Fitness Room
	B	Basketball Court
	C	Bocce Ball Court
	F	Shuffleboard
	P	Putting Green
	T	Tennis Court
	V	Volleyball Court
Outdoor Areas	B	BBQ Area
	D	Dog Park/Pet Care Area
	G	Community Garden
	P	Picnic Area
	R	Rooftop Patio
	W	Walking/Bike Trail
	Z	Gazebo
Services	A	Activities/Events
	C	Child Care
	H	Health Care
	S	Social Services
	T	Transportation

VI. Income-Eligible Households

Determination of Income Eligibility

The number of income-eligible and size-appropriate households necessary to support the project from the Site PMA is an important consideration in evaluating the subject project's potential.

Under the Low-Income Housing Tax Credit program (LIHTC), household eligibility is based on household income not exceeding the targeted percentage of Area Median Income (AMI), depending upon household size.

The subject site is within the Columbus, Ohio HUD Metro FMR Area, which has a four-person median household income of $101,100 for 2023. The following table illustrates the annual HUD median four-person household income estimates over the past 10 years:

Year	HUD Median Four-Person Household Income	
	Income	Percent Change
2013	$67,900	-
2014	$70,000	3.1%
2015	$71,000	1.4%
2016	$69,600	-2.0%
2017	$74,500	7.0%
2018	$76,400	2.6%
2019	$78,000	2.1%
2020	$84,500	8.3%
2021	$83,800	-0.8%
2022	$96,100	14.7%
2023	$101,100	5.2%
Average Annual Change (5-year)		**6.5%**
Average Annual Change (10-year)		**4.9%**

Source: HUD

The subject property will be restricted to households with incomes of up to 60% of AMI for the Metro FMR Area. The following table summarizes the maximum allowable income by household size for the Columbus, Ohio HUD Metro FMR Area.

2023 HUD Income Limits - Columbus, OH HUD Metro FMR Area			
Household Size	50%	60%	70%
One-Person	$34,750	$41,700	$48,650
Two-Person	$39,700	$47,640	$55,580
Three-Person	$44,650	$53,580	$62,510
Four-Person	$49,600	$59,520	$69,440
Five-Person	$53,600	$64,320	$75,040
Six-Person	$57,550	$69,060	$80,570
2023 HUD Four-person Median Income: $101,100			

Maximum Income Limits

The largest units (four-bedroom) at the subject site are expected to typically house up to six-person households. Therefore, the maximum allowable income at the subject site is $80,570.

Minimum Income Requirements

Leasing industry standards typically require households to have rent-to-income ratios of 27% to 40%. Generally, market-rate properties require a lower rent-to-income ratio, while an acceptable rent-to-income ratio for low-income households is typically around 40%. For the purposes of this analysis, we have used a rent-to-income ratio of 35% for this family project.

The subject property's Tax Credit units will have a lowest gross rent of $930. Over a 12-month period, the minimum annual household expenditure (rent plus tenant-paid utilities) at the subject site is $11,160. Assuming management qualifies residents with a rent-to-income ratio of 35%, the minimum household income required for residency at the property is $31,886.

Income-Appropriate Range

Based on the preceding analyses, the income-appropriate range required to live at the subject project is $31,886 to $80,570.

Project Capture Rate Calculations

Construction of the subject project is expected to be complete in 2025. Based on the distribution of households by income found in the Demographic Trends section of this report, an estimated 4,879 income-qualified renter households will reside within the Site PMA. The 216 units at the subject site represent a required capture of 4.4%. This calculation is summarized in our capture rate calculator on the following page.

Capture Rate Analysis

Income Qualification

Site's Lowest Gross Rent:	$1,116
Rent to Income Ratio:	35.0%
Capture Rate Income Band:	($38,263 - $80,570)

Renter Households

Income Range	Households		Share Within Range		Qualified Households
$0-$9,999	850	x	0.0%	=	0
$10,000-$19,999	985	x	0.0%	=	0
$20,000-$29,999	946	x	0.0%	=	0
$30,000-$39,999	1,283	x	17.4%	=	223
$40,000-$49,999	1,082	x	100.0%	=	1,082
$50,000-$59,999	1,199	x	100.0%	=	1,199
$60,000-$74,999	1,994	x	100.0%	=	1,994
$75,000-$99,999	1,712	x	22.3%	=	381
$100,000-$124,999	1,416	x	0.0%	=	0
$125,000-$149,999	702	x	0.0%	=	0
$150,000-$199,999	649	x	0.0%	=	0
$200,000+	398	x	0.0%	=	0
				Total:	4,879

Totals

Renter-Qualified Households:	*4,879*
Owner-Qualified Households:	-
Total Qualified Households:	**4,879**

Site Capture Rate

Total Units in Project:	216
Renter-Qualified Households:	4,879
Renter Capture Rate:	**4.4%**

Source: Vogt Strategic Insights; ESRI

The 4.4% capture rate for the proposed project is considered low and achievable. The 2.6% vacancy rate among existing LIHTC product is very low an indication of ongoing pent-up demand. With the increasing number of renter households projected in the Site PMA, this demand is expected to increase.

The capture rates for the targeted AMI levels are 2.9%, 1.3% and 1.8% for 50%, 60% and 70% AMI units, respectively. These are all low and achievable ratios.

A detailed unit-specific capture rate analysis has also been conducted by specific income-appropriate and household size requirements. This analysis considers those income-appropriate households who also have an appropriate household size to occupy a site unit, and can be provided upon request.

Tax Credit Penetration Rate Calculation

The 571 existing (excludes the 46 currently non-subsidized units at Country Ridge that will have rental assistance following renovations, discussed in Section IX) non-subsidized Tax Credit units in the Site PMA must also be considered when evaluating the achievable capture rate for the subject. The income-eligible range for the existing and proposed Tax Credit units is between $15,051 and $80,570. An estimated 7,372 renter households with eligible incomes will reside within the Site PMA in 2025. The 787 Tax Credit units represent a penetration rate of 10.7% of the income-eligible renter households, which is summarized in the following table.

	Tax Credit Penetration Rate
Number of LIHTC Units	787
Income-Eligible Renter Households – 2025	/ 7,372
Overall LIHTC Penetration Rate	= 10.7%

It is our opinion that the 10.7% penetration rate for the LIHTC units is achievable due to the low vacancy rate within the existing affordable product and the increasing renter household trends in the Site PMA.

VII. Area Analysis and Description of Public Services

Site Location Description

The proposed site is southeast of Twin Creeks Drive in Columbus, Franklin County, Ohio. The site is 7.5 miles north of downtown Columbus. The proposed site is approximately 17.4 acres and currently consists of mature trees. The site visit and corresponding fieldwork were conducted during the week of December 27, 2022. The following aerial map illustrates the boundaries of the subject site.

Surrounding Land Uses

The proposed site is in the established Scioto Woods neighborhood. Surrounding land uses include residential, commercial and institutional structures. According to Zillow.com, home values within the site area range from $250,000 to $510,000, with an average value of $320,000. The proposed site's adjacent land uses are detailed as follows:

North

Directly north of the site are the tennis courts, trail and park amenities of Hilliard Village (Map ID 1), a market-rate community in fair condition. These amenities are separated from the residential buildings by east-west Twin Creeks Drive. Continuing north of this property are mature trees and a residential neighborhood consisting of single-family home in good to very good condition. Other land uses in this neighborhood include Mosaica Education School and Scioto Woods Park. Past this neighborhood is Trabue Road, followed by Raymond Memorial Golf Course. Farther north is a mix of residential, commercial and some industrial structures, as well as Quarry Trails Metro Park.

East

Directly east of the site is Redick Park, which consists of mature trees and surrounded single-family homes in good condition, followed by N. Hague Avenue. East of this north-south thoroughfare are single- and multifamily homes, followed by Churchill Equestrian Center and a former quarry. Continuing east of the quarry is a mix of commercial and residential properties that extend to Weaver Lake.

South

Directly south of the site are Redick Athletic fields and residential neighborhoods consisting of single-family homes in good condition, followed by several religious institution. South of these structures is an east-west section of Interstate 70, followed by The Potter's House Church of God and more single-family homes. Continuing south is a variety of land uses, including residential properties, commercial developments, government buildings, recreational areas and entertainment venues, including Hollywood Casino Columbus.

West

Directly west of the site is Meadowood Apartments (Map ID 2), a market-rate property in satisfactory condition. Past this property are Wilson Road Storage center and United Dairy Farmers, followed by N. Wilson Road. West of this north-south roadway is a commercial outlet that include a few retail shops and Minelli's Pizza. Continuing west are multiple small industrial facilities, including electric companies and supply stores. A north-south section of Interstate 70 is west of this area, followed by a mix of small industrial facilities and residential neighborhoods, as well as Trabue Woods park.

Surrounding Land Uses Summary

Single- and multifamily homes to the east and south are generally in good condition. The nearby commercial developments, including several restaurants and retail businesses, and recreational areas are generally in very good condition, which adds to the area's desirability. Essential services are abundant in the area and easily accessible via the surrounding roadways. This adds to the area's appeal.

Overall, the proposed project is expected to fit well with the surrounding land uses, which should contribute to the marketability of the site.

Nuisances

No significant nuisances were noted at the time of the site visit.

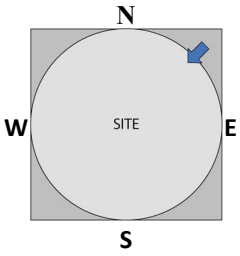
Visibility and Access

The site is along Twin Creeks Drive, which terminates near the site. The site does have convenient access to Interstates 70 and 270. Vehicular traffic along N. Wilson Road is moderate. Pedestrian traffic is insignificant as sidewalks are not offered throughout the site neighborhood. Visibility is considered somewhat limited, as the site is obstructed by the adjacent residential uses and storage facility, tucked back off of N. Wilson Road. Signage visible from N. Wilson Road is recommended to enhance awareness of the property. Access is considered to be good, while visibility of the site is limited.

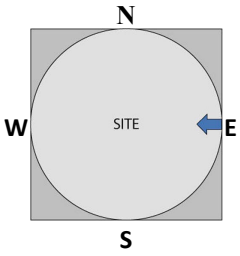
Photographs of the site are on the following pages.

Site Photographs

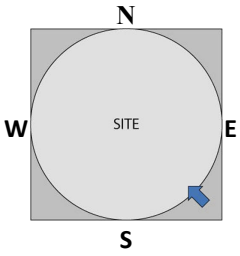
View of site from the northeast



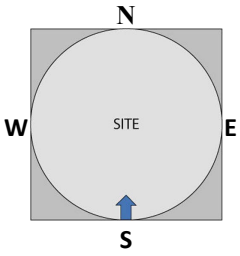
View of site from the east



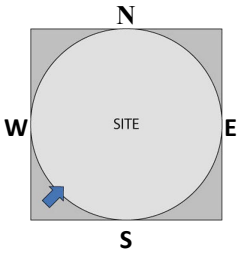
View of site from the southeast



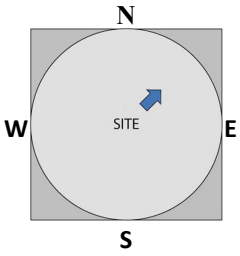
View of site from the south



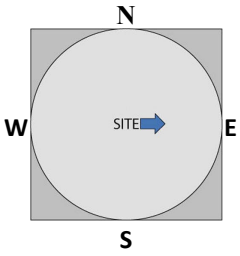
View of site from the southwest



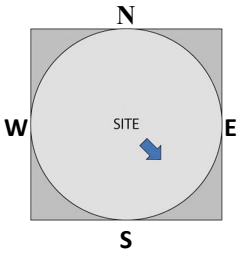
Northeast view from site



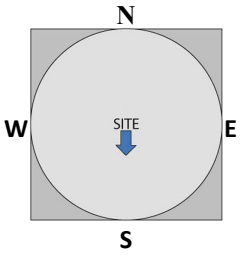
East view from site



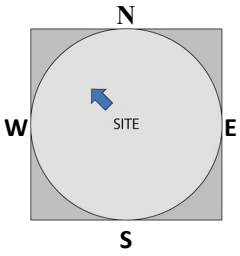
Southeast view from site



South view from site



Northwest view from site



Streetscape: view facing east on Twin Creek Drive

Streetscape: view facing west on Twin Creek Drive

Proximity to Community Services and Infrastructure

Community Services	Name	Driving Distance from Site (miles)
Major Highways	Interstate 70	0.8 South
	Interstate 270	1.3 Southwest
	State Route 33	3.5 East
Public Transit	COTA: N. Wilson and Twin Creeks	0.2 West
Grocery Stores	Kroger	2.1 South
	Sunrise International Market	2.9 South
	West Marketplace	3.0 South
Superstore	Walmart	2.9 West
	Target	4.5 West
Department Stores	Dollar Tree	2.0 South
	Marshalls	3.2 West
	Family Dollar	4.1 Southwest
	HomeGoods	4.1 West
	Big Lots	4.3 Southwest
Shopping/Retail Centers	Great Western Shopping Center	2.0 South
Major Employers/Employment Centers	Hollywood Casino Columbus	3.1 South
	Hilliard Rome Commercial Corridor	3.9 West
	Downtown Columbus	7.4 East
Elementary Schools	West Broad Elementary School	2.9 Southeast
Middle/Junior High Schools	Westmoor Middle School	2.2 Southeast
High Schools	West High School	3.4 Southeast
Hospitals/Medical Centers	OhioHealth Primary Care	3.9 West
	OhioHealth Doctors Hospital	4.7 Southwest
Police Stations	Valleyview Police Department	2.8 Southeast
Fire Stations	Columbus Volunteer Corps	1.2 Northwest
	Upper Arlington Fire Station 71	3.6 Northeast
Post Office	United States Postal Service	3.1 Southeast
Gasoline Stations	Marathon	0.3 Southwest
	United Dairy Farmers	0.4 Southwest
	Pilot Travel Center	0.8 South
	BP	0.9 South
Convenience Stores	Circle K	0.3 Southwest
	United Dairy Farmers	0.4 Southwest
	Pilot Travel Center	0.8 South
	Duchess Shoppe	0.9 South
Pharmacies	Synchrony Pharmacy	2.0 Northwest
	Kroger Pharmacy	2.1 South
Banks	Chase Bank	2.7 Southeast
	Fifth Third Bank	2.9 East

Continued:

Community Services	Name	Driving Distance from Site (miles)
Restaurants	Minelli's Pizza	0.4 Southwest
	Wendy's	0.8 South
	Waffle House	0.9 South
	McDonald's	1.0 South
	Sparano's Pizza	1.8 Northeast
Day Care	Bright Minds Daycare and Learning Center	2.0 South
Libraries	Upper Arlington Public Library - Miller Park Branch	3.7 Northeast
	Westland Area Library	4.2 Southwest
Fitness Centers	Planet Fitness	2.2 South
Parks/Recreation	Scioto Woods Park	1.4 North
	Redick Park	1.6 East
Entertainment/Arts	Raymond Memorial Golf Course	1.3 North
	AMC Columbus 10	3.2 West
	Ohio Craft Museum	4.4 East
Universities/Colleges	The Ohio State University	7.8 Northeast
Arenas/Stadiums/Convention Center	Nationwide Arena	6.3 East
	The Schottenstein Center	8.3 Northeast

Future residents at the site will have convenient access to major highways and public transportation. U.S. Interstates 70 and 270 are both accessible within 1.3 miles, and State Route 33 is accessible 3.5 miles east from the site. The Central Ohio Transit Authority (COTA) provides public transportation throughout the city of Columbus, and the closest bus stop to the site is 0.2 miles west.

Major employers and employment centers within 3.9 miles include Hollywood Casino Columbus, the Hilliard Rome Commercial Corridor. A variety of additional employment opportunities are available in downtown, 7.4 miles east and along the Interstate 270 corridor to the north.

Kroger, 2.1 miles south, is the nearest grocery store and also offers pharmacy services. Dollar Tree offers discount retail options 2.0 miles south. Walmart is 2.9 miles west and offers grocery, pharmacy and retail services. Multiple gas stations and convenience stores are within a mile of the site, and banking services are within 2.9 miles. The closest post office is 3.1 miles southeast.

Great Western Shopping Center offers additional retail options 2.0 miles south of the site. Larger departments stores are, including Marshalls and HomeGoods, are within 4.3 miles. Dining options within 1.8 miles include Minelli's Pizza, Wendy's, Waffle House, McDonalds and Sparano's Pizza.

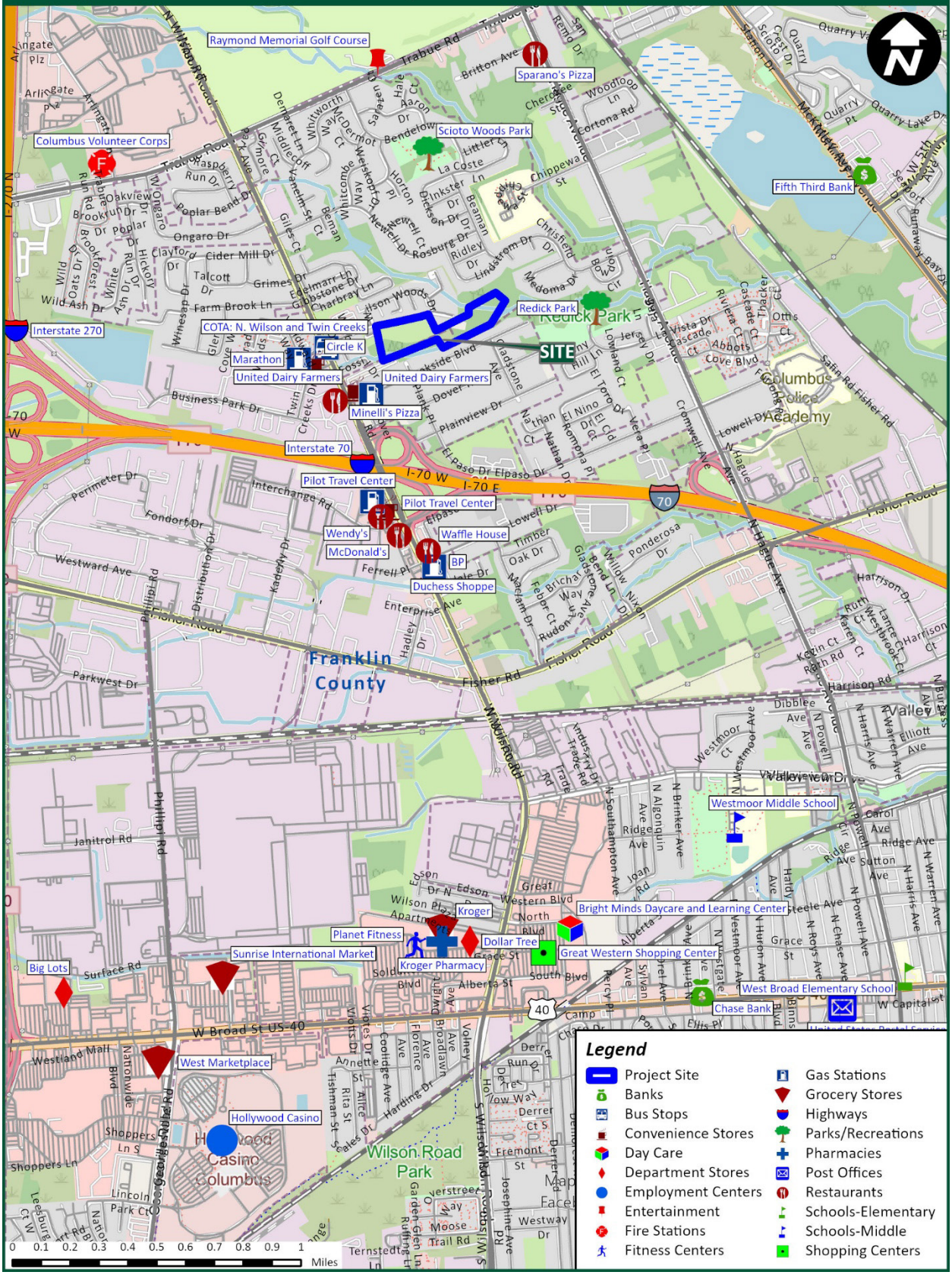
School-age children at the site may attend West Broad Elementary School, 2.9 miles southeast; Westmoor Middle School, 2.2 miles southeast; and West High School, 3.4 miles southeast. The Ohio State University, 8.5 miles east, offers post-secondary education opportunities. Day care is available at Bright Minds Daycare and Learning Center, 2.0 miles south of the site. Public library options are available within 4.2 miles.

OhioHealth Doctors Hospital, 4.7 miles southwest, provides comprehensive health care services, including emergency care. OhioHealth Primary Care, 3.9 miles west, provides urgent care services. Police and fire departments operate stations 1.2 to 3.6 miles from the site.

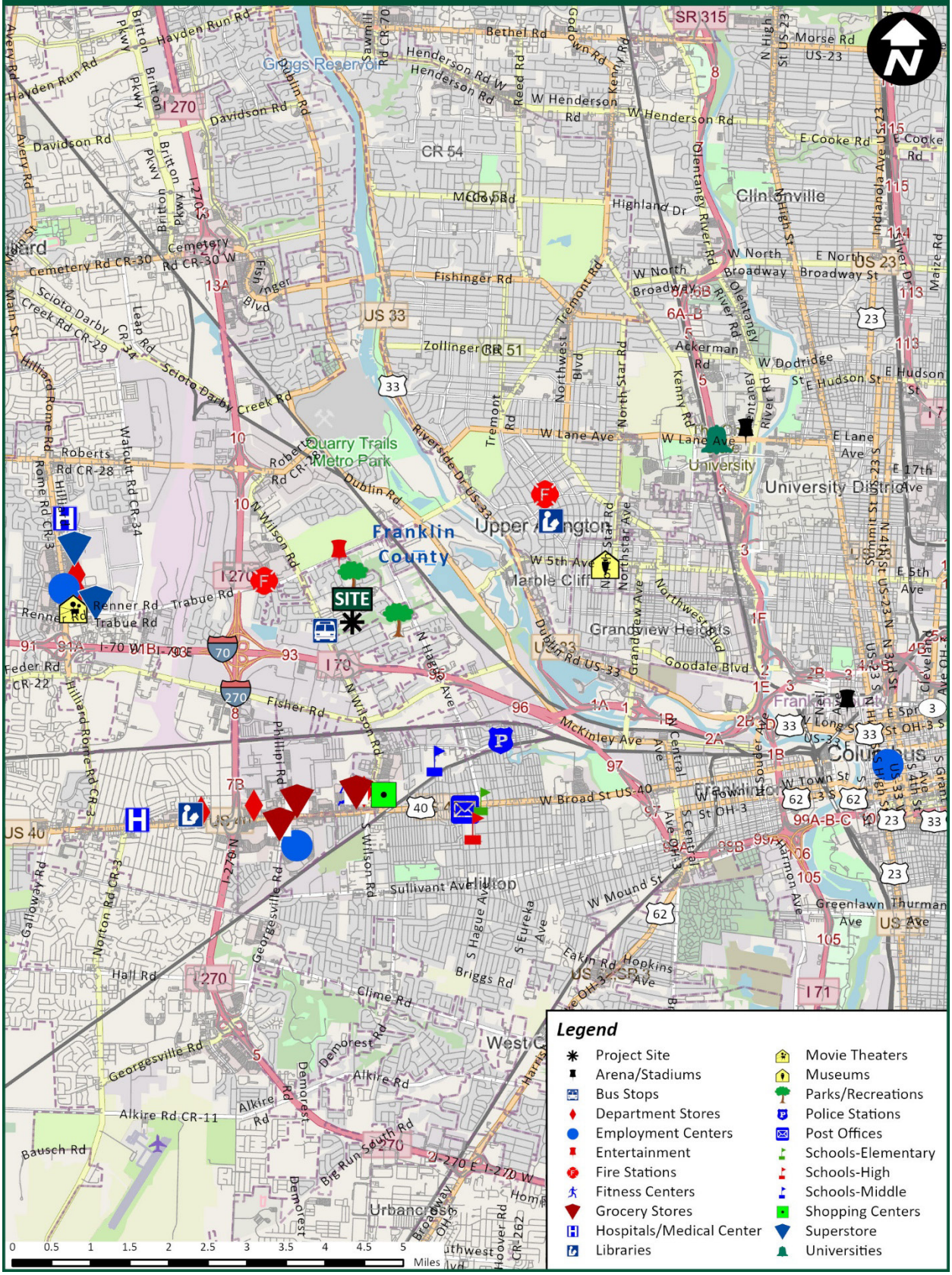
The site has fair access to area parks, including Scioto Wood Park, 1.4 miles north, and Redick Park, 1.6 miles east. Raymond Memorial Golf Course is 1.3 miles north. AMC Columbus 10 movie theater is 3.2 miles west. Several arenas and stadiums, including Nationwide Arena and The Schottenstein Center, are within 8.3 miles.

Maps illustrating the locations of community services are on the following pages.

Neighborhood Community Services



Regional Community Services



Overall Site Evaluation

The proposed site is in an established area of western Columbus. A few nearby commercial structures and recreational land uses are in very good condition, which adds to the area's desirability. No significant nuisances were documented at the time of the site visit and research. Visibility is considered limited, while access is considered good.

The site is in proximity to opportunities for employment, shopping, recreation, entertainment and education. Health and safety services are within 4.7 miles. The site has convenient access to major highways and public transportation. Overall, we consider the site's location and proximity to community services to have a positive effect on its marketability.

Site and Neighborhood Area Condition Summary			
Current Site:	Undeveloped	**Site Visibility:**	Limited
Access to Services:	Good	**Site Vehicular Access:**	Good
Current Neighborhood:	Good	**Trend:**	Stable
Predominant Neighborhood Land Use:	Residential, Commercial		
Subject Site Walk Score*:	6 (Car Dependent): "Almost all errands require a car."		

*Source: www.walkscore.com. Walk Score is a measurement of the walkability of an address, ranging from 0 to 100 (0 being least walkable and 100 being most walkable). The score is based on Walkscore.com's patented system of methodology that includes analyses of road metrics, population density and pedestrian routes to nearby services and amenities.

Neighborhood Trends

	0.5-Mile Radius	Site PMA
2010 Population	1,972	69,292
2020 Population	1,887	76,046
2010 – 2020 Population % Change	-4.3%	9.7%
2010 Senior (Age 65+) Population	103	4,313
2020 Senior (Age 65+) Population	96	6,975
2010 – 2020 Senior (Age 65+) Population % Change	-6.8%	61.7%
2010 Households	839	27,730
2020 Households	740	30,793
2010 – 2020 Households % Change	-11.8%	11.0%
2020 Median Household Income	$55,878	$72,579

Source: 2010 Census; ESRI; Urban Decision Group; VSI

Near the site, the population and households are declining, in contrast to the overall Site PMA, which is increasing. The median income is lower near the site, which is attributed to the presence of affordable housing and older market-rate properties in the surrounding neighborhoods.

VIII. Federally Subsidized and Tax Credit Properties

Summary

A total of 15 federally subsidized and/or Tax Credit apartment developments are within the Columbus Site PMA. These projects were surveyed in December 2022. They are summarized as follows:

						Gross Rent (Unit Mix)				
Map ID	Project Name	Type	Year Opened/ Renovated	Total Units	Occ.	Studio	One-Br.	Two-Br.	Three-Br.	Four-Br.
3	Pine Crossing	Tax Credit	1972 / 1997	79*	79.7%	-	$972 (10)	$1,135 (59)	$1,409 (10)	-
5	Whispering Creek Apts.	Tax Credit	2020	188	100.0%	-	$1,054 (52)	$1,266 (84)	$1,461 (36)	$1,630 (16)
6	Wildwood Village	Tax Credit-Section 8	1972 / 2006	272	100.0%	-	$629 - $720 (70)	$641 - $894 (156)	$654 - $1,115 (46)	-
9	Sturbridge Green	Tax Credit-Section 8	1981 / 2015	50	100.0%	-	$883 (50)	-	-	-
19	Woodview Court	Section 202 PRAC	1996	59	100.0%	-	$599 (59)	-	-	-
21	Lincoln Village Apts.	Tax Credit	1964 / 2019	10*	100.0%	-	-	$969 (4)	$1,130 - $1,180 (6)	-
22	Lincoln Green Apts.	Tax Credit-Section 8	1980 / 2014	66	100.0%	-	-	SUB (40)	SUB (26)	-
23	Murray Commons	Section 8	1981 / 2011	50	100.0%	-	SUB (50)	-	-	-
25	Wheatland Crossing I	Tax Credit	2017	42	100.0%	-	$613 - $843 (21)	$736 - $998 (21)	-	-
26	Wheatland Crossing II	Tax Credit-Section 811	2021	64	100.0%	-	$439 - $832 (15)	$515 - $1,000 (41)	$558 - $1,105 (8)	-
28	Trabue Crossing	Tax Credit-PBRA	2014	52	100.0%	-	-	-	$1,228 (52)	-
33	Hilltop Homes I	Tax Credit	1930 / 2009	30	100.0%	-	-	-	$642 - $1,020 (19)	$752 - $1,140 (11)
35	Lincoln Gardens Apts.	Tax Credit-Section 8	1959 / 2011	95*	100.0%	-	$900 (58)	$850 (37)	-	-
			Total	**1,245**	**98.7%**					

Source: VSI Field Survey
Note: Contact names and method of contact, as well as amenities and other features are listed in the field survey
Occ. – Occupancy
*Market-rate units not included

Continued:

Map ID	Project Name	Type	Year Opened/ Renovated	Total Units	Occ.	Gross Rent (Unit Mix) Studio	One-Br.	Two-Br.	Three-Br.	Four-Br.
54	Willow Bend Twnhms.	Tax Credit	1992 / 2012	92	100.0%	-	-	-	$1,078 - $1,174 (92)	-
57	Country Ridge Apts.	Tax Credit-Section 8	1998 / 2013	96	100.0%	-	-	$1,013 - $1,301 (48)	$1,299 - $1,590 (48)	-
			Total	**1,245**	**98.7%**					

Source: VSI Field Survey
Note: Contact names and method of contact, as well as amenities and other features are listed in the field survey
Occ. – Occupancy
*Market-rate units not included

The overall occupancy is 98.7% for these projects, indicating strong market demand for affordable housing. Pine Crossing is the only LIHTC property with vacancies. The vacancies at this property are due to fire-damaged units that have recently been repaired and have become available to rent.

Tax Credit and Federally Subsidized Penetration Rate

The 1,245 existing Tax Credit and federally subsidized units in the market has been considered. Based on the same calculation process used for the subject site, the income-eligible range for the existing and proposed Tax Credit and federally subsidized units is $80,570 and below. An estimated 8,720 renter households with eligible incomes will reside within the Site PMA in 2025. The existing and proposed Tax Credit and subsidized units represent a penetration rate of 16.7% of the income-eligible renter households, which is summarized in the following table.

	Affordable Penetration Rate Calculation
Number of LIHTC and Subsidized Units (Proposed and Existing)	1,461
Income-Eligible Renter Households – 2025	/ 8,720
Overall Market Penetration Rate	= 16.7%

It is our opinion that the 16.7% penetration rate for the LIHTC and federally subsidized units is achievable, particularly when considering the limited vacancies and increasing renter households projected in the market.

Support from Housing Choice Voucher Holders

According to the Columbus Metropolitan Housing Authority, more than 13,300 Housing Choice Voucher holders are within the housing authority's jurisdiction. Housing authority representatives stated approximately 1,400 households are currently on the waiting list for additional Vouchers, and the waiting list is currently closed. This reflects the continuing need for Housing Choice Voucher assistance.

If the rents do not exceed the local housing authority Payment Standards, households with Housing Choice Vouchers may be eligible to reside at a LIHTC project. The Payment Standards and the subject's proposed gross rents are summarized in the following table:

Bedroom Type	Local Payment Standards	Proposed Tax Credit Gross Rents
One-Bedroom	$1,035	$930-$1,225
Two-Bedroom	$1,279	$1,116-$1,562
Three-Bedroom	$1,568	$1,290-$1,806
Four-Bedroom	$1,734	$1,438-$1,923

Th proposed 50% AMI rents and 60% AMI three- and four-bedroom rents are below Payment Standards. Therefore, a portion of the units (48.6%) will be able to serve those with a voucher.

Impact on Existing Tax Credit Properties

The anticipated occupancy rates of the existing Tax Credit developments during the first year of occupancy at the site are as follows:

Map ID	Project Name	Current Occupancy Rate	Anticipated Occupancy Rate Through 2025
3	Pine Crossing	79.7%	93.0% +
5	Whispering Creek Apts.	100.0%	95.0% +
6	Wildwood Village	100.0%	95.0% +
9	Sturbridge Green	100.0%	95.0% +
21	Lincoln Village Apts.	100.0%	95.0% +
22	Lincoln Green Apts.	100.0%	95.0% +
25	Wheatland Crossing I	100.0%	95.0% +
26	Wheatland Crossing II	100.0%	95.0% +
28	Trabue Crossing	100.0%	95.0% +
33	Hilltop Homes I	100.0%	95.0% +
35	Lincoln Gardens Apts.	100.0%	95.0% +
54	Willow Bend Twnhms.	100.0%	95.0% +
57	Country Ridge Apts.	100.0%	95.0% +

Source: VSI Field Survey

The only property with a current vacancy rate in excess of 10% is Pine Crossing, which is in lease-up after repairing fire-damaged units. This project will be stabilized well before the site is completed. Given the pent-up demand for affordable housing in the market, we do not foresee any long-term impact on the existing properties from the subject site. Given the number of units at the site, there may be some short-term vacancies at the existing properties if residents choose to relocate to the new construction site. However, there is ample depth to support the site and the existing properties based on the penetration rate.

IX. Rental Housing Supply Analysis

Overview of Rental Housing

The distributions of the area housing stock within the Columbus Site PMA in 2010, 2022 (estimated) and 2027 (projected) are summarized in the following table:

Housing Status	2010 (Census)		2022 (Estimated)		2027 (Projected)	
	Number	Percent	Number	Percent	Number	Percent
Total-Occupied	27,730	93.1%	31,494	93.7%	32,207	92.9%
Owner-Occupied	16,332	58.9%	18,404	58.4%	18,908	58.7%
Renter-Occupied	11,398	41.1%	13,090	41.6%	13,299	41.3%
Vacant	2,044	6.9%	2,115	6.3%	2,451	7.1%
Total	**29,774**	**100.0%**	**33,609**	**100.0%**	**34,658**	**100.0%**

Source: 2010 Census; ESRI; Urban Decision Group; VSI

Based on 2022 estimates, of the 33,609 total housing units in the market, 6.3% were vacant. In 2022, it was estimated that homeowner households occupied 58.4%% of all occupied housing units, while the remaining 41.6% were occupied by renter households. The share of renter households is higher than the national share and represents a good base of potential support in the market for the subject development.

Conventional Apartments

We identified and personally surveyed 62 conventional housing projects containing a total of 11,971 units within the Site PMA during our in-person survey in January 2023. This survey was conducted to establish the overall strength of the rental market and to identify those properties most comparable to the subject site. These rentals have a combined occupancy rate of 98.1%, a high rate for rental housing. The following table summarizes the breakdown of conventional housing units surveyed within the Site PMA.

Summary of Conventional Apartments Survey					
Project Type	Projects Surveyed	Total Units	Vacant Units	Occupancy Rate	Under Construction
Market-rate	47	10,570	198	98.1%	293
Market-rate/Tax Credit	2	240	30	87.5%	0
Market-rate/Tax Credit/Government-Subsidized	1	100	0	100.0%	0
Tax Credit	4	352	0	100.0%	0
Tax Credit/Government-Subsidized	6	600	0	100.0%	0
Government-Subsidized	2	109	0	100.0%	0
Total	**62**	**11,971**	**228**	**98.1%**	**293**

Source: VSI Field Survey

As the preceding table illustrates, all project types identified within the Site PMA are reporting occupancy rates ranging from 87.5% to 100.0%. The 87.5% occupancy among the market-rate/Tax Credit properties is due to all 30 vacancies being at Pine Crossing, which is in lease-up after a portion of its units were repaired following fire damage. When omitting this property, all income-restricted and mixed-income product surveyed in the Site PMA is fully occupied, indicating a rental housing market where demand exceeds supply.

The 293 units in the under construction column are market-rate units at Quarry Trails (Map ID 7), which is expected to have its first units available in early 2023 and will have rents well above those proposed at the site.

The following table summarizes the breakdown of market-rate and Tax Credit units surveyed within the Site PMA:

Market-rate						
Bedrooms	Baths	Units	Distribution	Vacant Units	Vacancy Rate	Median Gross Rent
Studio	1.0	45	0.4%	3	6.7%	$777
One-Bedroom	1.0	3,874	36.1%	74	1.9%	$1,153
Two-Bedroom	1.0	2,590	24.1%	51	2.0%	$1,300
Two-Bedroom	1.5	389	3.6%	3	0.8%	$1,567
Two-Bedroom	2.0	2,929	27.3%	58	2.0%	$1,480
Two-Bedroom	2.5	380	3.5%	14	3.7%	$1,882
Two-Bedroom	3.0	84	0.8%	0	0.0%	$2,521
Three-Bedroom	1.5	24	0.2%	3	12.5%	$1,566
Three-Bedroom	2.0	202	1.9%	3	1.5%	$2,028
Three-Bedroom	2.5	199	1.9%	2	1.0%	$2,310
Three-Bedroom	3.0	10	0.1%	1	10.0%	$3,217
Total Market-rate		**10,726**	**100%**	**212**	**2.0%**	**-**
				Overall Median Market-rate Rent		**$1,369**
Non-Subsidized Tax Credit						
Bedrooms	Baths	Units	Distribution	Vacant Units	Vacancy Rate	Median Gross Rent
One-Bedroom	1.0	91	14.7%	2	2.2%	$1,054
Two-Bedroom	1.0	195	31.6%	14	7.2%	$983
Two-Bedroom	2.0	84	13.6%	0	0.0%	$1,266
Three-Bedroom	1.0	6	1.0%	0	0.0%	$1,130
Three-Bedroom	1.5	55	8.9%	0	0.0%	$1,020
Three-Bedroom	2.0	66	10.7%	0	0.0%	$1,461
Three-Bedroom	2.5	93	15.1%	0	0.0%	$1,174
Four-Bedroom	2.0	27	4.4%	0	0.0%	$1,630
Total Tax Credit		**617**	**100%**	**16**	**2.6%**	**-**
				Overall Median Tax Credit Rent		**$1,145**

Source: VSI Field Survey

The market-rate units are 98.0% occupied and the non-subsidized Tax Credit units are 97.4% occupied. These are both considered high occupancy rates. The median LIHTC rent is over 14% below the median market-rate rent in the Site PMA.

The following is a distribution of non-subsidized units surveyed by year opened for the Site PMA:

Year Opened	Market-rate				Non-Subsidized Tax Credit			
	Projects	Units	Vacancies	Vacancy Rate	Projects	Units	Vacancies	Vacancy Rate
Before 1970	1	199	0	0.0%	3	83	0	0.0%
1970 to 1979	3	432	12	2.8%	2	264	30	11.4%
1980 to 1989	4	915	38	4.2%	0	0	0	-
1990 to 1999	13	4,160	35	0.8%	2	131	0	0.0%
2000 to 2009	8	1,672	42	2.5%	0	0	0	-
2010 to 2014	2	472	10	2.1%	1	12	0	0.0%
2015	2	128	5	3.9%	0	0	0	-
2016	1	44	0	0.0%	0	0	0	-
2017	2	290	5	1.7%	1	42	0	0.0%
2018	2	296	3	1.0%	0	0	0	-
2019	4	837	27	3.2%	0	0	0	-
2020	1	267	2	0.7%	1	188	0	0.0%
2021	3	666	13	2.0%	1	53	0	0.0%
2022*	1	192	6	3.1%	0	0	0	-
Total	**47**	**10,570**	**198**	**1.9%**	**11**	**773**	**30**	**3.9%**

Source: VSI Field Survey
*As of January

Of the 47 surveyed market-rate properties 26 have been constructed since 200, with four of the LIHTC properties with non-subsidized units added since 2000. Whispering Creek Apartments is most comparable to the site in terms of product and age. This property opened in mid-2020 and built by the developer of the proposed site. The property averaged over 25 units leased per month during initial lease-up.

The Columbus apartment market offers a wide range of rental product in terms of price point and quality. The following table compares the gross rent (the collected rent plus the estimated costs of tenant-paid utilities) of the subject project with the rent range of the existing conventional apartments surveyed in the market.

Bedroom Type	Gross Rent			Units (Share) With Rents Above Proposed Rents
	Proposed Subject	Existing Rentals		
		Median	Range	
One-Bedroom	$930-50% $1,116-60% $1,225-70%	$1,153	$439 - $2,694	3,622 (91.3%) 2,685 (67.7%) 1,545 (39.0%)
Two-Bedroom	$1,116-50% $1,339-60% $1,562-70%	$1,402	$515 - $3,452	6,440 (96.8%) 3,838 (57.7%) 2,156 (32.4%)
Three-Bedroom	$1,290-50% $1,548-60% $1,806-70%	$1,760	$558 - $4,876	500 (76.3%) 403 (61.5%) 305 (46.6%)
Four-Bedroom	$1,438-50% $1,726-60% $1,923-70%	$1,630	$752 - $1,630	16 (59.3%) 0 (0.0%) 0 (0.0%)

Source: VSI Field Survey

Most of the rents of existing rentals in the market are above the proposed one- to three-bedroom 50% and 60% rents at the site, with the 70% AMI rents above the majority of non-subsidized alternatives. The proposed four-bedroom rents at 60% and 70% AMI are above most of the limited alternatives. The four-bedroom units will provide a new rental housing choice for many of the moderate income families with children in the Site PMA. The appropriateness of the proposed rents is evaluated in detail in the Achievable Market and Tax Credit Rent Analysis section of this report beginning on page V-1.

We rated each market-rate and LIHTC property surveyed on a scale of A through F. Our rating system is described as follows, with + and - variations assigned according to variances from the following general descriptions:

A – Upscale/high quality property
B – Good condition and quality
C – Fair condition, in need of minor improvements
D – Poor condition
F – Serious disrepair, dilapidated

Following is a distribution of non-subsidized properties by quality rating, units and vacancies.

Market-rate			
Quality Rating	**Projects**	**Total Units**	**Vacancy Rate**
A	19	4,086	1.8%
A-	3	1,130	1.1%
B+	10	1,916	1.7%
B	10	2,525	2.4%
B-	4	566	0.9%
C+	1	113	12.4%
C	2	390	3.1%
Non-Subsidized Tax Credit			
Quality Rating	**Projects**	**Total Units**	**Vacancy Rate**
A	4	295	0.0%
B+	3	69	0.0%
B	1	92	0.0%
C+	2	151	10.6%
C	1	10	0.0%

Source: VSI Field Survey

Market-rate vacancies are highest at C+ rated market-rate and Tax Credit product, which is due to the aforementioned vacancies that are in the process of re-leasing following fire damage at Pine Crossing. The other LIHTC properties are fully-occupied and all other quality groupings for market-rate properties have vacancy rates of 3.1% or below.

Planned Multifamily Development

Based on our research, no additional affordable properties are planned within the Site PMA. In addition to the under construction Quarry Trails property, we identified two market-rate properties in various stages of the development pipeline. These properties are detailed as follows:

Project Name	Location	Project Type	Total Units	Project Specifics	Development Status	Anticipated Opening Date
Quarry Trails Ph. II	2835 Gunnison Dr.	Market-Rate	315	Mixed-use	Planned	Spring 2025
WestBend	2474 McKinney Ave.	Market-Rate	Up to 780	55 acre mixed-use redevelopment of a salvage yard	Proposed	N/A

These market-rate properties will have little to no competitive overlap with the proposed affordable units at the subject site. They are both located on the eastern periphery of the Site PMA. It is of note Darby Crossing Apartments is located just southwest of the Site PMA along Broad Street and is in the early stages of construction. This project will have similar unit types, rent levels and targeted AMI levels for its 260 units. This property is located outside the boundaries of the Site PMA and thus, was excluded from our penetration rate analysis.

Country Ridge Apartments (Map ID 57) was recently allocated bond Tax Credits and will be renovated. Following renovations of this property, the number of non-subsidized LIHTC units will be reduced by 46, as all 96 units will have project-based vouchers, while there is currently only 50 subsidized units at this property in its current configuration.

Buy Versus Rent Analysis

According to ESRI, the median home value within the Site PMA was $215,983. At an estimated interest rate of 7.0% and a 30-year term (and 95% LTV), the monthly mortgage for a $215,983 home is $1,835, including estimated taxes and insurance. This is illustrated in the following table.

Buy Versus Rent Analysis	
	Overall
Median Home Price	$215,983
Mortgaged Value = 95% of Median Home Price	$205,184
Interest Rate - Bankrate.com	7.0%
Term	30
Monthly Principal & Interest	$1,365
Estimated Taxes & Insurance*	$341
Estimated Private Mortgage Insurance**	$128
Estimated Monthly Mortgage Payment	$1,835

*Estimated at 25% of principal and interest
**Estimated at 0.75% of mortgaged amount

In comparison, the proposed collected rents for the subject property range from $798 to $1,727, at least $100 below the estimated monthly cost for an average area home. Thus, an economically similar home would be below average in terms of age, quality and design, with far fewer amenities than the new construction rental housing offered at the site. The three- and four-bedroom units will likely occasionally have turnover due to residents pursuing homeownership given their rent levels and larger household sizes. However, given the capture and penetration rates found in Section VI of this report, a sufficient number of income-qualified renter households reside in the Site PMA to support the subject site as proposed, even if some qualified households are lost to homeownership.

X. Comparable Tax Credit Analysis

Survey of Tax Credit Properties

We surveyed 13 properties within the Columbus Site PMA that have been developed or renovated under the Low-Income Housing Tax Credit (LIHTC) program, including non-subsidized, subsidized and mixed-income projects. These surveyed Tax Credit rental projects in the Site PMA include the following:

All Low-Income Housing Tax Credit Projects							
Map ID	Project Name	Year Opened/ Renovated	Total LIHTC Units	Occupancy Rate	Distance To Site	Waiting List	Target Market
3	Pine Crossing	1972 / 1997	79*	79.7%	0.3 Miles	3-br: 2 H.H.	Families; 60% AMI
5	Whispering Creek Apts.	2020	188	100.0%	1.9 Miles	6-12 months	Families; 60% AMI
6	Wildwood Village	1972 / 2006	272	100.0%	1.8 Miles	12+ months	Families; 60% AMI & Section 8
9	Sturbridge Green	1981 / 2015	50	100.0%	6.1 Miles	36+ months	Seniors 62+; 60% AMI & Section 8
21	Lincoln Village Apts.	1964 / 2019	10*	100.0%	4.2 Miles	None	Families; 60% AMI
22	Lincoln Green Apts.	1980 / 2014	66	100.0%	3.9 Miles	6-9 months	Families; 50% AMI & Section 8
25	Wheatland Crossing I	2017	42	100.0%	3.5 Miles	70 H.H.	Seniors 55+; 35%, 50% & 60% AMI
26	Wheatland Crossing II	2021	64	100.0%	3.6 Miles	70 H.H.	Families; 30%, 50% & 60% AMI & Section 811
28	Trabue Crossing	2014	52	100.0%	3.0 Miles	24 months	Families; 30%, 50% & 60% AMI & PBRA
33	Hilltop Homes I	1930 / 2009	30	100.0%	3.8 Miles	24-36 months	Families; 35% & 50% AMI
35	Lincoln Gardens Apts.	1959 / 2011	95*	100.0%	4.5 Miles	24-36 months	Seniors 55+; 35%, 50% & 60% AMI & Section 8
54	Willow Bend Twnhms.	1992 / 2012	92	100.0%	3.7 Miles	10 H.H.	Families; 60% AMI
57	Country Ridge Apts.	1998 / 2013	96	100.0%	4.6 Miles	16 H.H.	Families; 50% & 60% AMI & Section 8

Source: VSI Field Survey
H.H. – Households
*Market-rate units not included

The 13 existing LIHTC projects have a combined total of 1,136 Tax Credit units with an overall occupancy rate of 98.6%, indicating strong demand for affordable housing in the market. Some of these surveyed projects have some project-based government-subsidized/Tax Credit units, allowing residents to pay just 30% of their income toward rent. The 617 non-subsidized Tax Credit units in the Site PMA have an overall occupancy rate of 97.4%.

The following map illustrates the location of the subject site and all surveyed Tax Credit projects in the Site PMA.

Comparable Tax Credit Properties

Of the LIHTC properties in the Site PMA, five were selected as most comparable to the site. These properties target households up 60% of Area Median Income (AMI). Whispering Creek Apartments is considered most comparable to the site given its age, unit types offered and size of the project. We have also included one out-of-market comparable, Golf Pointe Apartments, which is just west of the Site PMA, outside the boundaries of the market area. The six selected LIHTC properties and the subject development as proposed are summarized as follows (information regarding property address, phone number and utility responsibility is included in the profiles found in this section):

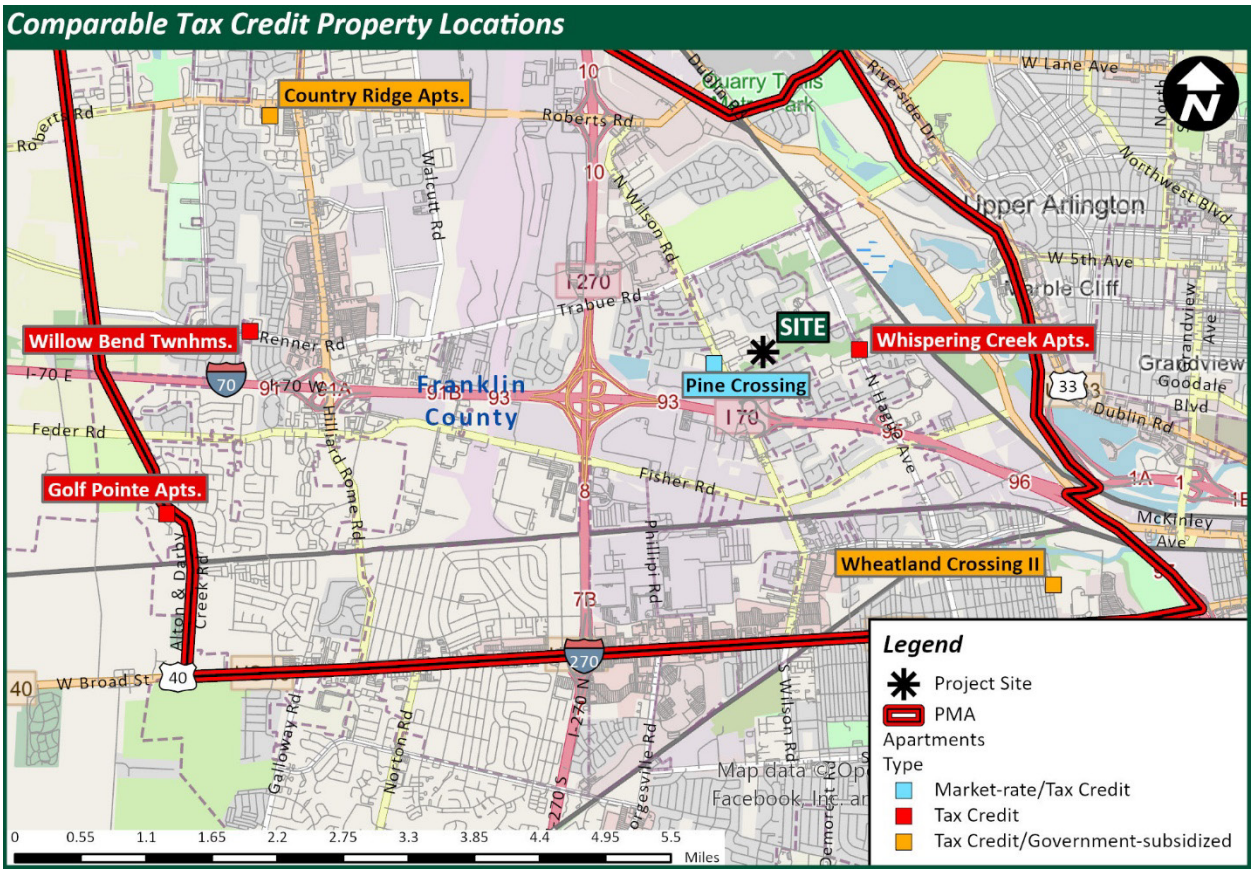
Comparable Tax Credit Projects									
Map ID	Project Name	Year Opened/ Renovated	Total Units	Occup. Rate	Distance To Site	Waiting List	Target Market	Ratings	
								Q.R.	N.R.
Site	**West Fork**	**2025**	**216**	**-**	**-**	**-**	**Families; 50%, 60% & 70% AMI**	**A**	**B**
3	Pine Crossing	1972 / 1997	79*	79.7%	0.3 Miles	3-br: 2 H.H.	Families; 60% AMI	C+	B
5	Whispering Creek Apts.	2020	188	100.0%	1.9 Miles	6-12 months	Families; 60% AMI	A	B
26	Wheatland Crossing II	2021	64	100.0%	3.6 Miles	70 H.H.	Families; 30%, 50% & 60% AMI & Section 811	A	B
54	Willow Bend Twnhms.	1992 / 2012	92	100.0%	3.7 Miles	10 H.H.	Families; 60% AMI	B	B
57	Country Ridge Apts.	1998 / 2013	96	100.0%	4.6 Miles	16 H.H.	Families; 50% & 60% AMI & Section 8	B+	A
901	Golf Pointe Apts.	2002 / 2018	228	99.1%	5.7 Miles	None	Families; 50% & 60% AMI	B+	B

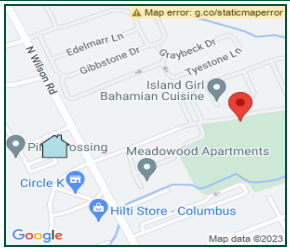
Source: VSI Field Survey
900 Series map codes located outside the PMA
Occup. – Occupancy
H.H. – Households
Q.R. – Quality Rating
N.R. – Neighborhood Rating
*Market-rate units not included

The six LIHTC projects have a combined occupancy rate of 97.6%. The vacancy rate at Pine Crossing is attributed to the project restabilizing after units were fire-damaged in the Spring of 2022. This project is in the process of leasing recently renovated units. Five of these projects have waiting lists for at least a portion of their units. The site will offer the first 70% AMI units, targeting moderately higher-income renters than existing LIHTC alternatives.

The following map illustrates the subject site location relative to the locations of the comparable Tax Credit properties. Following the comparable properties' locations map are profiles of the selected comparable Tax Credit projects.

Comparable Tax Credit Property Locations





Electric	Tenant	
Heating	Tenant	Gas
Hot Water	Tenant	Gas
Cooking	Tenant	Electric
Water	Landlord	
Sewer	Landlord	
Trash	Landlord	

Key Facts

Type Market-Rate & Tax Credit

Total Units 192

Occupancy 84.4%

Waiting List 3-br: 2 households

Year Open 1972

Renovated 1997

Distance to Site 0.3 miles

Age Restriction None

Unit Amenities:
Refrigerator, Range, Dishwasher, Disposal, Central AC, Carpet, Ceiling Fan, Blinds

Concessions:
No Rent Specials

Project Amenities:
Swimming Pool, On-site Management, Laundry Facility, Clubhouse, Activity Room, Fitness Center, Playground, Picnic Area, Dog Park/Pet Care Areas, BBQ Area, Gazebo, Community Garden

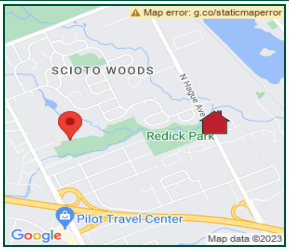
Remarks:
Market-rate (113 units); 60% AMI (79 units); Accepts HCV (31 units); MRR units have tenant-paid water & sewer; Vacancies due to recent renovations after fire damage

Pine Crossing

BRs	Baths	Type	Units	Vacant	Square Feet	Collected Rent		Gross Rent	AMI
						Unit	$ / Square Foot		
1	1	G	17	2	650	$993	$1.53	$1,086	
1	1	G	10	2	650	$879	$1.35	$972	60%
2	1	G	82	12	850	$1,236	$1.45	$1,347	
2	1	G	59	14	850	$1,024	$1.20	$1,135	60%
3	1.5	G	14	0	1,050	$1,438	$1.37	$1,566	
3	1.5	G	10	0	1,050	$1,281	$1.22	$1,409	60%

MC 5 Whispering Creek Apts.

2960 Gooden Way, Columbus, OH 43204 (833) 493-2583



Electric	Tenant	
Heating	Tenant	Electric
Hot Water	Tenant	Electric
Cooking	Tenant	Electric
Water	Tenant	
Sewer	Tenant	
Trash	Landlord	

Key Facts

Type Tax Credit
Total Units 188
Occupancy 100.0%
Waiting List 6-12 months
Year Open 2020

Distance to Site 1.9 miles
Age Restriction None

Unit Amenities:
Refrigerator, Range, Dishwasher, Disposal, Microwave, Central AC, Carpet, Washer/Dryer Hookups, Patio/Deck/Balcony, Ceiling Fan, Blinds

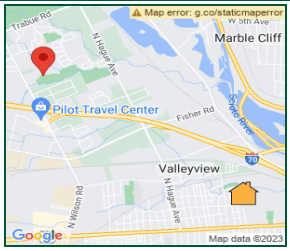
Concessions:
No Rent Specials

Project Amenities:
Swimming Pool, On-site Management, Laundry Facility, Clubhouse, Game Room, Fitness Center, Hot Tub/Sauna, Playground, Storage, Computer/Business Center, Picnic Area, Dog Park/Pet Care Areas, Wi-Fi, Covered Porch

Remarks:
60% AMI; Opened 10/2020; Reached stabilized occupancy 5/2021

Whispering Creek Apts.

BRs	Baths	Type	Units	Vacant	Square Feet	Collected Rent		Gross Rent	AMI
						Unit	$ / Square Foot		
1	1	G	52	0	712	$917	$1.29	$1,054	60%
2	2	G	84	0	1,038	$1,080	$1.04	$1,266	60%
3	2	G	36	0	1,304	$1,224	$0.94	$1,461	60%
4	2	G	16	0	1,545	$1,343	$0.87	$1,630	60%



Electric	Tenant	
Heating	Tenant	Electric
Hot Water	Tenant	Electric
Cooking	Tenant	Electric
Water	Landlord	
Sewer	Landlord	
Trash	Landlord	

Key Facts

Type Tax Credit & Government-Subsidized

Total Units 64

Occupancy 100.0%

Waiting List 70 households

Year Open 2021

Distance to Site 3.6 miles

Age Restriction None

Unit Amenities:
Refrigerator, Range, Dishwasher, Disposal, Microwave, Central AC, Vinyl Flooring, Washer/Dryer Hookups, Patio/Deck/Balcony, Blinds

Concessions:
No Rent Specials

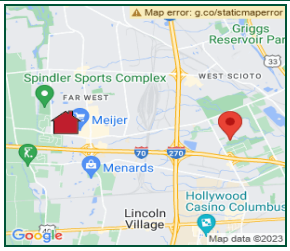
Project Amenities:
On-site Management, Laundry Facility, Activity Room, Fitness Center, Playground, Storage, Water Feature(s), Elevator, Controlled Access, Computer/Business Center, BBQ Area, Picnic Area, Walking/Bike Trail, Social Services

Remarks:
30%, 50% & 60% AMI (53 units); 50% AMI & HUD Section 811 (11 units); Preleasing began 6/20; Opened 2/21; Reached stabilized occupancy 5/21; Intergenerational housing

Wheatland Crossing II

BRs	Baths	Type	Units	Vacant	Square Feet	Collected Rent		Gross Rent	AMI
						Unit	$ / Square Foot		
1	1	G	1	0	658	$382	$0.58	$439	30%
1	1	G	11	0	658 - 701	$683*	$0.97 - $1.04	$740*	50%
1	1	G	3	0	673	$775	$1.15	$832	60%
2	1	G	5	0	859	$444	$0.52	$515	30%
2	1	G	6	0	917	$844	$0.92	$915	50%
2	1	G	28	0	917	$875	$0.95	$946	60%
2	1	T	2	0	1,043	$917	$0.88	$1,000	60%
3	1.5	T	1	0	1,180	$458	$0.39	$558	30%
3	1.5	T	2	0	1,180	$928	$0.79	$1,028	50%
3	1.5	T	5	0	1,180	$1,005	$0.85	$1,105	60%

* - Subsidized



Electric	Tenant	
Heating	Tenant	Gas
Hot Water	Tenant	Gas
Cooking	Tenant	Electric
Water	Landlord	
Sewer	Landlord	
Trash	Landlord	

Key Facts

Type Tax Credit
Total Units 92
Occupancy 100.0%
Waiting List 10 households
Year Open 1992
Renovated 2012
Distance to Site 3.7 miles
Age Restriction None

Unit Amenities:
Refrigerator, Range, Dishwasher, Disposal, Central AC, Carpet, Washer/Dryer Hookups, Patio/Deck/Balcony, Blinds

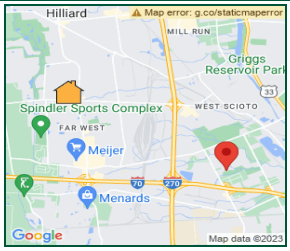
Concessions:
No Rent Specials

Project Amenities:
On-site Management, Fitness Center, Playground, Water Feature(s)

Remarks:
60% AMI; Accepts HCV (70 units); Renovation date estimated; Flat fee for water included in reported rents: $57

Willow Bend Twnhms.

BRs	Baths	Type	Units	Vacant	Square Feet	Collected Rent		Gross Rent	AMI
						Unit	$ / Square Foot		
3	2	G	30	0	1,160	$950 - $985	$0.82 - $0.85	$1,078 - $1,113	60%
3	2.5	T	62	0	1,250	$1,025	$0.82	$1,174	60%



Electric	Tenant	
Heating	Tenant	Gas
Hot Water	Tenant	Gas
Cooking	Tenant	Electric
Water	Landlord	
Sewer	Landlord	
Trash	Landlord	

Key Facts

Type Tax Credit & Government-Subsidized

Total Units 96

Occupancy 100.0%

Waiting List 16 households

Year Open 1998

Renovated 2013

Distance to Site 4.6 miles

Age Restriction None

Unit Amenities:
Refrigerator, Range, Dishwasher, Disposal, Central AC, Carpet, Washer/Dryer Hookups, Patio/Deck/Balcony, Ceiling Fan, Blinds

Concessions:
No Rent Specials

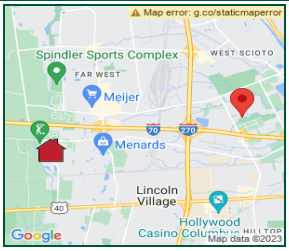
Project Amenities:
On-site Management, Laundry Facility, Clubhouse, Activity Room, Playground, Water Feature(s), Picnic Area

Remarks:
50% & 60% AMI & HUD Section 8 (57 units); 50% & 60% AMI (39 units); 3-br units have walk-in closets; Waitlist: 2-br/6 households & 3-br/10 households

Country Ridge Apts.

BRs	Baths	Type	Units	Vacant	Square Feet	Collected Rent		Gross Rent	AMI
						Unit	$ / Square Foot		
2	1	G	8	0	848 - 888	$902	$1.02 - $1.06	$1,013	50%
2	1	G	10	0	848 - 888	$1,050* - $1,190*	$1.24 - $1.34	$1,161* - $1,301*	50%
2	1	G	12	0	848 - 888	$1,025	$1.15 - $1.21	$1,136	60%
2	1	G	18	0	848 - 888	$1,150*	$1.30 - $1.36	$1,261*	60%
3	2.5	T	2	0	1,031	$1,150*	$1.12	$1,299*	50%
3	2.5	T	19	0	1,031	$1,150	$1.12	$1,299	60%
3	2.5	T	27	0	1,031	$1,441*	$1.40	$1,590*	60%

* - Subsidized



Electric	Tenant	
Heating	Tenant	Electric
Hot Water	Tenant	Electric
Cooking	Tenant	Electric
Water	Landlord	
Sewer	Landlord	
Trash	Landlord	

Key Facts

Type Tax Credit
Total Units 228
Occupancy 99.1%
Waiting List None
Year Open 2002
Renovated 2018
Distance to Site 5.7 miles
Age Restriction None

Unit Amenities:
Refrigerator, Range, Dishwasher, Disposal, Central AC, Carpet, Washer/Dryer Hookups, Patio/Deck/Balcony, Blinds

Concessions:
No Rent Specials

Project Amenities:
Swimming Pool, On-site Management, Laundry Facility, Clubhouse, Lounge, Playground, Water Feature(s)

Remarks:
50% & 60% AMI; Accepts HCV (16 units); 2- & 3-br units have pantry; Utility allowance: 1-br/$94, 2-br/$121 & 3-br/$148

Golf Pointe Apts.

BRs	Baths	Type	Units	Vacant	Square Feet	Collected Rent		Gross Rent	AMI
						Unit	$ / Square Foot		
1	1	G	29	0	772 - 811	$780	$0.96 - $1.01	$874	50%
1	1	G	71	1	772 - 811	$859	$1.06 - $1.11	$953	60%
2	2	G	28	0	986 - 1,023	$905	$0.88 - $0.92	$1,026	50%
2	2	G	84	1	986 - 1,023	$1,045	$1.02 - $1.06	$1,166	60%
3	2	G	16	0	1,181 - 1,213	$1,195	$0.99 - $1.01	$1,343	60%

Gross rents (which include collected/street rents plus the cost of tenant-paid utilities) for the six LIHTC projects and the proposed rents at the subject site are listed in the following table:

		Gross Rent/Percent of AMI (Units)			
Map ID	Project Name	One-Br.	Two-Br.	Three-Br.	Four-Br.
Site	**West Fork**	**$930/50% (36) $1,116/60% (21) $1,225/70% (15)**	**$1,116/50% (27) $1,339/60% (14) $1,562/70% (31)**	**$1,290/50% (12) $1,548/60% (8) $1,806/70% (16)**	**$1,438/50% (12) $1,726/60% (6) $1,923/70% (18)**
3	Pine Crossing	$972/60% (10)	$1,135/60% (59)	$1,409/60% (10)	-
5	Whispering Creek Apts.	$1,054/60% (52)	$1,266/60% (84)	$1,461/60% (36)	$1,630/60% (16)
26	Wheatland Crossing II	$439/30% (1) $740/SUB/50% (11) $832/60% (3)	$515/30% (5) $915/50% (6) $946/60% (28) $1,000/60% (2)	$558/30% (1) $1,028/50% (2) $1,105/60% (5)	-
54	Willow Bend Twnhms.	-	-	$1,078-$1,113/60% (30) $1,174/60% (62)	-
57	Country Ridge Apts.	-	$1,013/50% (8) $1,161-$1,301/SUB/50% (10) $1,136/60% (12) $1,261/SUB/60% (18)	$1,299/SUB/50% (2) $1,299/60% (19) $1,590/SUB/60% (27)	-
901	Golf Pointe Apts.	$874/50% (29) $953/60% (71)	$1,026/50% (28) $1,166/60% (84)	$1,343/60% (16)	-
Weighted Average/Percent of AMI		**$439/30% $874/50% $990/60%**	**$515/30% $1,008/50% $1,165/60%**	**$558/30% $1,028/50% $1,259/60%**	**$1,630/60%**
Max Allowable Rent/Percent of AMI		*$527/30% $878/50% $1,054/60% $930/50%* $1,116/60%* $1,302/70%**	*$633/30% $1,054/50% $1,266/60% $1,116/50%* $1,339/60%* $1,562/70%**	*$730/30% $1,218/50% $1,461/60% $1,290/50%* $1,548/60%* $1,806/70%**	*$1,630/60% $1,438/50%* $1,726/60%* $2,014/70%**

Source: VSI Field Survey
SUB – Subsidized (residents pay 30% of their incomes, as this is a government-subsidized property that also operates under the Tax Credit program)
900 Series map codes located outside the PMA
*2023 Maximum allowable

The proposed subject gross rents of $1,930 to $1,923 are mostly set at the recently released 2023 maximum allowable levels, with the 70% AMI one- and four-bedroom rents moderately below the maximum allowable. The comparables were limited to the 2022 rent limits at the time of our survey. Whispering Creek is achieving the maximum allowable 2022 60% AMI rent and is most comparable to the site. The 70% AMI rents are currently untested among affordable alternatives, which are limited to 60% AMI. These units will target moderately higher income renters. Additional analysis of the proposed rent levels can be found in Section V of this report, where we have concluded the proposed rents to be achievable based on their value to market rent, rents at area comparables and demographic depth to support the site.

The subject project's and comparable properties' square footage and number of bathrooms are illustrated in the following tables:

		Square Footage			
Map ID	Project Name	One-Br.	Two-Br.	Three-Br.	Four-Br.
Site	**West Fork**	**749**	**1,052**	**1,187**	**1,437**
3	Pine Crossing	650	850	1,050	-
5	Whispering Creek Apts.	712	1,038	1,304	1,545
26	Wheatland Crossing II	658 - 701	859 - 1,043	1,180	-
54	Willow Bend Twnhms.	-	-	1,160 - 1,250	-
57	Country Ridge Apts.	-	848 - 888	1,031	-
901	Golf Pointe Apts.	772 - 811	986 - 1,023	1,181 - 1,213	-
	Weighted Average	**745**	**941**	**1,193**	**1,545**

Source: VSI Field Survey
900 Series map codes located outside the PMA

		Number of Baths			
Map ID	Project Name	One-Br.	Two-Br.	Three-Br.	Four-Br.
Site	**West Fork**	**1.0**	**2.0**	**2.0**	**2.0**
3	Pine Crossing	1.0	1.0	1.5	-
5	Whispering Creek Apts.	1.0	2.0	2.0	2.0
26	Wheatland Crossing II	1.0	1.0	1.5	-
54	Willow Bend Twnhms.	-	-	2.0 - 2.5	-
57	Country Ridge Apts.	-	1.0	2.5	-
901	Golf Pointe Apts.	1.0	2.0	2.0	-

Source: VSI Field Survey
900 Series map codes located outside the PMA

The three-bedroom and four-bedroom units at the site are smaller than average, with the one- and two-bedroom units larger than average and among the largest of the comparables. The one- and two-bedroom units account for two-thirds of the units. The number of bathrooms is equal or superior to a majority of the comparables.

The following tables compare the appliances and the unit and project amenities of the subject site with existing Tax Credit properties in the market.

Map ID	Site	3	5	26	54	57
Project Name	West Fork	Pine Crossing	Whispering Creek Apts.	Wheatland Crossing II	Willow Bend Twnhms.	Country Ridge Apts.
Appliances						
Refrigerator	X	X	X	X	X	X
Icemaker						
Dishwasher	X	X	X	X	X	X
Disposal	X	X	X	X	X	X
Range	X	X	X	X	X	X
Microwave	X		X	X		
Pantry	X					
Appliance Type	Black	White	Black	White	White	White
Unit Amenities						
AC - Central	X	X	X	X	X	X
Floor Coverings	Carpet & LVT	Carpet	Carpet	Vinyl	Carpet	Carpet
Window Treatments	Blinds	Blinds	Blinds	Blinds	Blinds	Blinds
Washer/Dryer	X					
Washer/Dryer Hookups	X		X	X	X	X
Patio/Deck/Balcony	X		X	X	X	X
Ceiling Fan	X	X	X			X
Security (Unit)				Intercom		
Storage	O			X		
Walk-in Closets	X		X			S
Parking Options						
Detached Garage	O / 100		O / $109			
Surface Parking	X	X	X	X	X	X
Carport						

Continued:

Map ID	Site	3	5	26	54	57
Project Name	West Fork	Pine Crossing	Whispering Creek Apts.	Wheatland Crossing II	Willow Bend Twnhms.	Country Ridge Apts.
Project Amenities						
Swimming Pool		X	X			
On-site Management	X	X	X	X	X	X
Laundry		X	X	X		X
Clubhouse	X	X	X			X
Community Space	Activity Room Lounge	Activity Room	Game Room	Activity Room		Activity Room
Fitness Center	X	X	X	X	X	
Hot Tub			X			
Playground	X	X	X	X	X	X
Computer/Business Center	X		X	X		
Storage	O		O	X		
Water Feature(s)				X	X	X
Elevator				X		
Project Security	Surveillance Cameras			Controlled Access		
Outdoor Areas	BBQ Area Dog Park/ Pet Area Picnic Area	BBQ Area Dog Park/ Pet Area Community Garden Picnic Area Gazebo	Dog Park/ Pet Area Picnic Area	BBQ Area Picnic Area Walking/ Bike Trail		Picnic Area
Services				Social Services		
Community Features			Wi-Fi			
Covered Porch			X			

Map ID	Site	901
Project Name	West Fork	Golf Pointe Apts.
Appliances		
Refrigerator	X	X
Icemaker		
Dishwasher	X	X
Disposal	X	X
Range	X	X
Microwave	X	
Pantry	X	S
Appliance Type	Black	White
Unit Amenities		
AC - Central	X	X
Floor Coverings	Carpet & LVT	Carpet
Window Treatments	Blinds	Blinds
Washer/Dryer	X	
Washer/Dryer Hookups	X	X
Patio/Deck/Balcony	X	X
Ceiling Fan	X	
Security (Unit)		
Storage	O	X
Walk-in Closets	X	X
Parking Options		
Detached Garage	O / 100	O / $65
Surface Parking	X	X
Carport		O / $20

Continued:

Map ID	Site	901
Project Name	West Fork	Golf Pointe Apts.
Project Amenities		
Swimming Pool		X
On-site Management	X	X
Laundry		X
Clubhouse	X	X
Community Space	Activity Room Lounge	Lounge
Fitness Center	X	
Hot Tub		
Playground	X	X
Computer/Business Center	X	
Storage	O	
Water Feature(s)		X
Elevator		
Project Security	Surveillance Cameras	
Outdoor Areas	BBQ Area Dog Park/ Pet Area Picnic Area	
Services		
Community Features		
Covered Porch		

As the preceding tables illustrate, the proposed amenities at the subject site are considered extensive and will generally be comparable or superior to all of the comparables in the market. The in-unit washer/dryer, fitness center, computer center and dog park are not offered at a majority of the comparables and will be marketable to family renters. This will contribute to the properties ability to achieve the higher rents.

Based on our analysis of the rents, unit sizes (square footage), amenities, location, quality and occupancy rates of the existing LIHTC properties within the market, it is our opinion that the subject development will be highly marketable in the Site PMA.

XI. Public Housing Authority Concerns and Issues

As required by the Ohio Housing Finance Agency, Vogt Strategic Insights contacted the local Public Housing authority. The housing authority did not respond to our request for its opinion regarding the subject development.

Vogt Strategic Insights will notify both the applicant and Ohio Housing Finance Agency if the housing authority responds to our request. An evaluation of any issues or concerns raised by the housing authority would then be forwarded as well.

Vogt Strategic Insights

January 6, 2023

Mr. Charles D. Hillman
President & CEO
Columbus Metropolitan Housing Authority
880 E. 11th Avenue
Columbus, OH 43211

Dear Director:

As per the Ohio Housing Finance Agency (OHFA) market study requirements, this letter serves as notice to solicit comments from your agency about a Low-Income Housing Tax Credit development proposed for your service area.

The subject development is a proposed multifamily to be developed under the Section 42 Low-Income Housing Tax Credit program. The general occupancy project will offer up to 264 units targeting low-income households. The property is located on Twin Creeks Drive on the west side of Columbus.

The target population for the proposed development is the area's low-income family/general occupancy population, which may be underserved by area housing options.

OHFA guidelines allot your agency 30 days from receipt of this letter to respond to this proposed development with comments. Should you choose not to respond, or if your response is not received by the market analysts within 30 days, the market analysts are not required to address your concerns within the market study. Your response letter will be included with the market study package that OHFA will use to evaluate this property. Please direct all comments to Robert Vogt at Vogt Strategic Insights, 1310 Dublin Road, Columbus, OH 43215. If your agency has any concerns about the timeliness of your comments being received, please send them by certified mail, UPS, or another package service with tracking capability so that receipt can be verified.

Thank you in advance for your cooperation.

Sincerely,

Robert Vogt

SENDER: COMPLETE THIS SECTION

- **Complete items 1, 2, and 3.**
- **Print your name and address on the reverse so that we can return the card to you.**
- **Attach this card to the back of the mailpiece, or on the front if space permits.**

1. Article Addressed to:

CMHA
880 E. 11th Avenue
Columbus, OH 43211

9590 9402 7637 2122 6250 74

2. Article Number *(Transfer from service label)*
7022 0410 0001 9747 4817

PS Form 3811, July 2020 PSN 7530-02-000-9053 Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☒ No

3. Service Type
- ☐ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☒ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail
- ☐ Insured Mail Restricted Delivery (over $500)
- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Signature Confirmation™
- ☐ Signature Confirmation Restricted Delivery

7022 0410 0001 9747 4817

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- ☐ Return Receipt (hardcopy) $ ____
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- ☐ Certified Mail Restricted Delivery $ ____
- ☐ Adult Signature Required $ ____
- ☐ Adult Signature Restricted Delivery $ ____

Postage $

Total Postage and Fees $ 7.92

Postmark Here

1-10-23

Sent To CMHA
Street and Apt. No., or PO Box No. 880 E. 11th Avenue
City, State, ZIP+4® Columbus OH 43211

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

XII. Market Study Certification

Ohio Housing Finance Agency
Market Study Certification

The undersigned, a recognized firm of independent market analysts knowledgeable and experienced in the development of affordable rental properties, completed this Market Study of West Fork for Kittle Property Group.

The market analyst does hereby state, in our best judgment, that a market exists for the proposed project as of January 12, 2023. The market analyst makes no guarantees or assurances that projections or conclusions in the study will be realized as stated.

To the best of our knowledge, all data contained in this report is correct to the extent that the local, State of Ohio, and federal recording agencies accurately record and publish this data. All projections were based on current professionally accepted methodology.

The market analyst has no financial interest in the proposed project. The fee assessed for the study was not contingent on the proposed project being approved by the Ohio Housing Finance Agency.

The market analyst made a physical inspection of the market area, reviewed all relevant data, and independently established the conclusions for this report.

By: Vogt Strategic Insights (VSI)
(Market Analyst Company/Firm)

By:
(Jimmy Beery)
Title: Market Analyst

By:
(Robert Vogt)
Title: Market Analyst

Date: January 12, 2023

XIII. Data Sources

This study represents a compilation of data gathered from various sources, including the managers of the apartment properties surveyed, local records, and interviews with local officials, real estate professionals, and major employers, as well as secondary demographic material. Although we judge these sources to be reliable, it is impossible to authenticate all data. The analyst does not guarantee the data and assumes no liability for any errors in fact, analysis, or judgment.

The secondary data sources used in this study are the most recent available at the time of the report preparation. Demographic data is provided by ESRI, Urban Decision Group and the 2000 and 2010 Census. Employment statistics are provided by the Chamber of Commerce and the U.S. Bureau of Labor Statistics.

All apartment projects included in the study were personally inspected by a market analyst directly employed by Vogt Strategic Insights (VSI).

The objective of this report is to gather, analyze and present as many market components as reasonably possible within the time constraints agreed upon. The conclusions contained in this report are based on the best judgments of the analysts; we make no guarantees or assurances that the projections or conclusions will be realized as stated.

XIV. Qualifications

The Company

Vogt Strategic Insights is a real estate research firm established to provide accurate and insightful market forecasts for a broad range client base. The principal of the firm, Robert Vogt, has more than 40 years of real estate market feasibility experience throughout the United States.

Serving real estate developers, syndicators, lenders, state housing finance agencies and the U.S. Department of Housing and Urban Development (HUD), the firm provides market feasibility studies for affordable housing, market-rate apartments, condominiums, senior housing, student housing and single-family developments.

The Staff

Robert Vogt has conducted and reviewed more than 8,000 market analyses over the past 40+ years for market-rate and Low-Income Housing Tax Credit apartments as well as studies for single-family, golf course/residential, office, retail and elderly housing throughout the United States. Mr. Vogt is a founding member and the past chairman of the National Council of Housing Market Analysts (formerly known as the National Council of Affordable Housing Market Analysts), a group formed to bring standards and professional practices to market feasibility. He is a frequent speaker at many real estate and state housing conferences. Mr. Vogt has a bachelor's degree in finance, real estate and urban land economics from The Ohio State University.

Andrew W. Mazak has nearly 20 years of experience in the real estate market research field. He has personally written thousands of market feasibility studies in markets throughout the United States, Canada, Puerto Rico, the U.S. Virgin Islands and Guam. These studies include the analysis of Low-Income Housing Tax Credit, market-rate and government-subsidized apartments, student housing developments, farmworker housing projects, condominium communities, single-family subdivisions and senior-living developments, as well as overall community, city, county and statewide housing needs assessments. Mr. Mazak has a bachelor's degree in Business Management and Marketing from Capital University in Columbus, Ohio.

Nathan Young has nearly two decades of experience in the real estate profession. He has conducted field research and written market studies in hundreds of rural and urban markets throughout the United States. Mr. Young's real estate experience includes analysis of apartment (subsidized, Tax Credit and market-rate), senior housing (i.e. nursing homes, assisted living, etc.), student housing, condominium, retail, office, self-storage facilities and repositioning of assets to optimize feasibility. Mr. Young has experience in working with the U.S. Department of Housing and Urban Development and has FHA LEAN program training. Mr. Young has a bachelor's degree in Engineering (Civil) from The Ohio State University and a Master of Business Administration from Ohio Dominican University.

Jim Beery has more than 30 years of experience in the real estate market feasibility profession. He has written market studies for a variety of development projects, including multifamily apartments (market-rate, affordable housing, and government-subsidized), residential condominiums, hotels, office developments, retail centers, recreational facilities, commercial developments, single-family developments and assisted living properties for older adults. Other consulting assignments include numerous community redevelopment and commercial revitalization projects. Mr. Beery has attended the HUD MAP Training for industry partners and received continuing education certification from the Lender Qualification and Monitoring Division. Mr. Beery has a bachelor's degree in Business Administration (Finance major) from The Ohio State University.

Jennifer Tristano has been involved in the production of more than 2,000 market feasibility studies during the last several years. While working as an editor, Ms. Tristano became well acquainted with the market study guidelines and requirements of state finance agencies as well as various U.S. Department of Housing and Urban Development programs. In addition, Ms. Tristano has researched market conditions for a variety of project types, including apartments (Tax Credit, subsidized and market-rate), senior residential care, student housing and condominium communities. Ms. Tristano graduated *summa cum laude* from The Ohio State University.

Jimmy Beery has analyzed real estate markets across the country over the past 13+ years. In this time, Mr. Beery has conducted a broad range of studies, including Low-Income Housing Tax Credit apartments, luxury market-rate apartments, student housing analysis, rent comparability studies, condominium and single-family home communities, mixed-use developments, lodging, retail and commercial space. Mr. Beery has a bachelor's degree in Human Ecology from The Ohio State University.

Tom Mowery has more than 30 years of experience in the housing industry in both the public and private sectors. Prior to joining VSI, Mr. Mowery served as a Vice President at JPMorgan Chase where he analyzed and reviewed market risk and advised on economic results and long-term viability for the national Underwriting effort within Community Development Banking (CDB). He supported $2.5 billion within four regional portfolios of real estate properties, primarily affordable multifamily. Mr. Mowery has also worked for Arizona Department of Housing and The Danter Company. He is skilled at Market Risk Analysis, Market Study/Appraisal Review, Portfolio Monitoring, Pipeline Management, Affordable/Market-Rate Housing, Underwriting, Community Development and Market Development. Mr. Mowery holds a bachelor's degree in Business Administration and Accounting from Ohio Dominican University.

Eric Pacella has conducted real estate market research in more than 300 markets in more than 45 states since 2014. Mr. Pacella has experience evaluating a broad range of product types, including senior housing, Low-Income Housing Tax Credit apartments, market-rate apartments, subsidized housing, student housing, homeless supportive housing, single-family housing, condominium housing, mixed-use developments and commercial space. Mr. Pacella holds a Bachelor of Arts degree in Journalism from The Ohio State University.

Kyle Reiff has conducted market studies in over 45 states over the past 10+ years. Mr. Reiff has evaluated market conditions for a variety of project types, including Low-Income Housing Tax Credit apartments, homeless supportive housing analysis, student housing analysis, rent comparability studies, condominium and single-family home communities, mixed-use developments, lodging, citywide analysis and workforce housing analysis. Mr. Reiff has a bachelor's degree in Economics from The Ohio State University.

Lewis Burrowes has conducted real estate market research in more than 300 markets in over 40 states and Puerto Rico since 2016. Mr. Burrowes has evaluated a wide range of product types, including Low-Incomes Housing Tax Credit and market-rate apartments; government-subsidized, senior and homeless supportive housing; comparable properties for rent comparability studies; single-family homes; condominiums; mixed-use projects; and commercial space. Mr. Burrowes holds bachelor's degrees in Business, Accountancy and Finance from Wright State University.

Daniel Swartz has analyzed real estate markets across the country in more than 40 states since joining VSI in 2015. During this time, Mr. Swartz has worked on a broad range of analyses, including Low-Income Housing Tax Credit apartments, luxury market-rate apartments, government-subsidized apartments, student housing, mixed-use developments and rent comparability studies. Mr. Swartz has a bachelor's degree in Marketing from Wright State University.

Field Staff – Vogt Strategic Insights maintains a field staff of professionals experienced at collecting critical on-site real estate data. Each member has been fully trained to evaluate site attributes, area competitors, market trends, economic characteristics and a wide range of issues influencing the viability of real estate development.

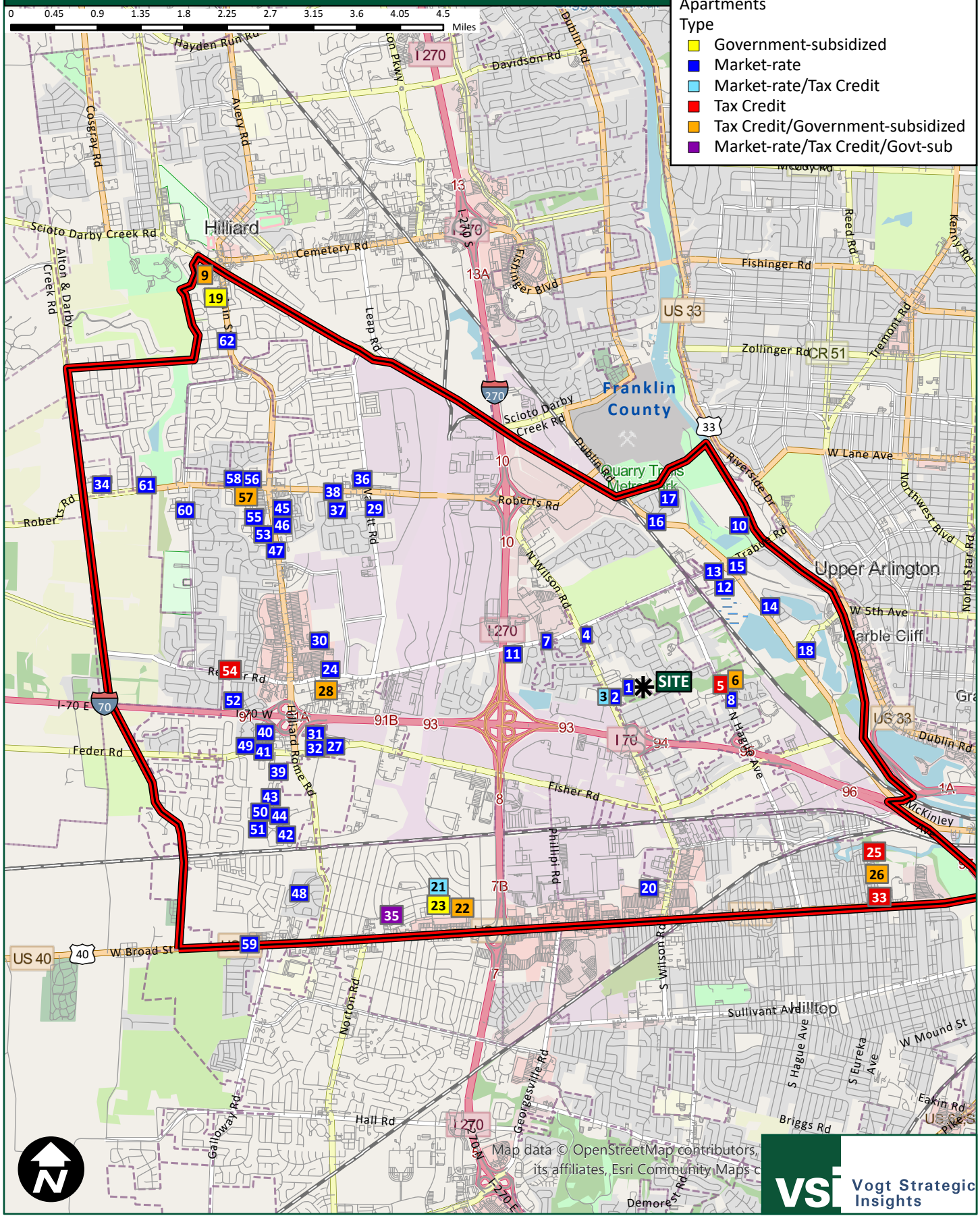
A. Field Survey of Conventional Rentals

The following section is a field survey of conventional rental properties identified through a variety of sources, including area apartment guides, government agencies and our own field inspection. The intent of the field survey is to evaluate the overall strength of the existing rental market, identify trends impacting future development and to identify those properties considered most comparable to the subject site. The field survey has been organized by project type; properties are color coded to reflect this and designated as market-rate, Tax Credit, government-subsidized or a combination of these three property types. The field survey is assembled as follows:

- A color-coded map indicating each property surveyed and the project type followed by a list of properties surveyed.
- Distribution of non-subsidized and subsidized units and vacancies in properties surveyed.
- Properties surveyed by name, address, telephone number, project type, key amenities, year built or renovated (if applicable), number of floors, total units, occupancy rate, quality rating, rent incentives and Tax Credit designation. Housing Choice Vouchers and Rental Assistance are also noted here.
- A rent distribution is provided for all market-rate and non-subsidized Tax Credit units by unit type and bedroom.
- Calculations of rent per square foot (all utilities are adjusted to reflect similar utility responsibility). Data is summarized by unit type.
- The distribution of market-rate and non-subsidized Tax Credit units are provided by quality rating, unit type and number of bedrooms. The median rent by quality ratings and bedrooms is also reported. Note that rents are adjusted to reflect common utility responsibility.
- An analysis of units added to the area by project construction date and, when applicable, by year of renovation.
- Aggregate data and distributions for all non-subsidized properties are provided for appliances, unit amenities and project amenities.
- Aggregation of projects by utility responsibility (market-rate and non-subsidized Tax Credit only).
- A utility allowance worksheet.

Note that other than the property listing following the map, data is organized by project types. Market-rate properties (blue designation) are first followed by variations of market-rate and Tax Credit properties. Non-government subsidized Tax Credit properties are red and government-subsidized properties are yellow. See the color codes at the bottom of each page for specific project types.

Columbus, OH
Apartment Locations



Map Identification List

Map ID	Project Name	Project Type	QR	Year Built/ Renovated	Total Units	Vacant	Occupancy Rate	DTS
1	Hilliard Village	MRR	C	1977 / 2000	352	12	96.6%	0.1
2	Meadowood Apts.	MRR	B-	1983 / 2000	83	5	94.0%	0.3
3	Pine Crossing	MRT	C+	1972 / 1997	192	30	84.4%	0.3
4	Addison Woods	MRR	A	2018	56	0	100.0%	0.8
5	Whispering Creek Apts.	TAX	A	2020	188	0	100.0%	1.9
6	Wildwood Village	TGS	C+	1972 / 2006	272	0	100.0%	1.8
7	Quarry Trails	MRR	A	2023	0	0	U/C	1.1
8	Abbot's Cove	MRR	B	1990	216	0	100.0%	1.8
♦ 9	Sturbridge Green	TGS	A-	1981 / 2015	50	0	100.0%	6.1
10	Scioto Fairway Woods Apts.	MRR	B+	1978	80	0	100.0%	2.6
11	Cornerstone Village	MRR	A	2021	264	10	96.2%	1.4
12	Hanover Park	MRR	A	2021	216	2	99.1%	2.4
13	The Belmont House	MRR	A	2020	267	2	99.3%	2.0
14	The Quarry	MRR	A	1998 / 2018	674	4	99.4%	2.6
15	Marble Cliff Commons	MRR	A	2003 / 2019	276	1	99.6%	2.2
16	Gateway Lofts	MRR	A	2019	269	9	96.7%	2.8
17	River Oaks	MRR	B	1999 / 2014	288	3	99.0%	3.1
18	Runaway Bay	MRR	B	1984 / 2018	424	31	92.7%	3.1
♦ 19	Woodview Court	GSS	C	1996	59	0	100.0%	5.9
20	Wilson Plaza	MRR	B-	1965 / 2012	199	0	100.0%	2.1
21	Lincoln Village Apts.	MRT	C	1964 / 2019	48	0	100.0%	4.2
22	Lincoln Green Apts.	TGS	B+	1980 / 2014	66	0	100.0%	3.9
♦ 23	Murray Commons	GSS	B+	1981 / 2011	50	0	100.0%	4.2
24	Ryland Park	MRR	A	2017	96	4	95.8%	2.9
♦ 25	Wheatland Crossing I	TAX	A	2017	42	0	100.0%	3.5
26	Wheatland Crossing II	TGS	A	2021	64	0	100.0%	3.6
27	Austin Place	MRR	A	2019	256	11	95.7%	3.7
28	Trabue Crossing	TGS	A	2014	52	0	100.0%	3.0
29	Sheldon Park	MRR	A	2021	186	1	99.5%	3.6
30	Residences at Breckenridge	MRR	B	2003	208	8	96.2%	3.5
31	Sycamore House at Hilliard	MRR	A	2018	240	3	98.8%	3.8
32	Andover Park	MRR	A	2014	264	2	99.2%	3.9
33	Hilltop Homes I	TAX	B+	1930 / 2009	30	0	100.0%	3.8
34	Hilliard Summit	MRR	A	2011	208	8	96.2%	5.7
♦ 35	Lincoln Gardens Apts.	TMG	B+	1959 / 2011	100	0	100.0%	4.5
36	Peyton Park	MRR	A	2019	128	7	94.5%	3.6
37	Hilliard Park	MRR	B	2001 / 2005	201	6	97.0%	3.7

Project Type

- Market-rate
- Market-rate/Tax Credit
- Market-rate/Government-subsidized
- ♦ Senior Restricted
- Market-rate/Tax Credit/Government-subsidized
- Tax Credit
- Tax Credit/Government-subsidized
- Government-subsidized

QR - Quality Rating

DTS - Drive Distance To Site (Miles)

Map ID	Project Name	Project Type	QR	Year Built/ Renovated	Total Units	Vacant	Occupancy Rate	DTS
38	Hilliard Station	MRR	B	1997 / 2018	656	6	99.1%	3.7
39	Hartford Village Commons	MRR	A	2015	72	4	94.4%	4.1
40	Waterford Pointe	MRR	B	1995 / 2018	256	0	100.0%	4.1
41	The Attleigh	MRR	A	2017	194	1	99.5%	4.1
42	Brookview at Noble Park	MRR	B+	2002	189	8	95.8%	4.6
43	Fountain Place	MRR	B+	1999 / 2015	208	6	97.1%	4.4
44	Brookview at Templeton Crossing	MRR	B+	2001	272	9	96.7%	4.5
45	Bayside Commons I	MRR	B-	1991 / 2015	120	0	100.0%	4.5
46	Bayside Commons II	MRR	B-	1992 / 2015	164	0	100.0%	4.5
47	Bayside Commons III	MRR	B	2015	56	1	98.2%	4.3
48	Glenchester Lakes	MRR	A-	1999 / 2012	354	0	100.0%	5.0
49	Wexford Lakes	MRR	B+	1988 / 2000	348	0	100.0%	4.2
50	Hawthorne Lakes	MRR	B+	2002	70	0	100.0%	4.6
51	Parkview	MRR	B+	2001	216	5	97.7%	4.7
52	Trinity Lakes	MRR	B+	2002 / 2020	240	5	97.9%	3.9
53	Cabot Cove Apts.	MRR	B+	1990 / 2021	288	0	100.0%	4.4
54	Willow Bend Twnhms.	TAX	B	1992 / 2012	92	0	100.0%	3.7
55	Gables West	MRR	A	2019	184	0	100.0%	4.6
56	Hickory Mill Apts.	MRR	B	1980	60	2	96.7%	4.4
57	Country Ridge Apts.	TGS	B+	1998 / 2013	96	0	100.0%	4.6
58	Hilliard Place	MRR	A	2016	44	0	100.0%	4.6
59	Crown Pointe	MRR	A	2022	192	6	96.9%	5.4
60	Bridgestone	MRR	A-	1998 / 2016	416	0	100.0%	5.2
61	Lake Ridge	MRR	B	1997 / 2015	160	4	97.5%	5.3
62	Heritage Green	MRR	A-	1998 / 2016	360	12	96.7%	5.6

Project Type	Projects Surveyed	Total Units	Vacant	Occupancy Rate	U/C
MRR	47	10,570	198	98.1%	293
MRT	2	240	30	87.5%	0
TMG	1	100	0	100.0%	0
TAX	4	352	0	100.0%	0
TGS	6	600	0	100.0%	0
GSS	2	109	0	100.0%	0

Total units do not include units under construction.

Project Type

- Market-rate
- Market-rate/Tax Credit
- Market-rate/Government-subsidized
- Senior Restricted
- Market-rate/Tax Credit/Government-subsidized
- Tax Credit
- Tax Credit/Government-subsidized
- Government-subsidized

QR - Quality Rating

DTS - Drive Distance To Site (Miles)

Distribution of Units

Market-Rate						
Bedrooms	Baths	Units	Distribution	Vacant	Vacancy Rate	Median Gross Rent
0	1	45	0.4%	3	6.7%	$777
1	1	3,874	36.1%	74	1.9%	$1,153
2	1	2,590	24.1%	51	2.0%	$1,300
2	1.5	389	3.6%	3	0.8%	$1,567
2	2	2,929	27.3%	58	2.0%	$1,480
2	2.5	380	3.5%	14	3.7%	$1,882
2	3	84	0.8%	0	0.0%	$2,521
3	1.5	24	0.2%	3	12.5%	$1,566
3	2	202	1.9%	3	1.5%	$2,028
3	2.5	199	1.9%	2	1.0%	$2,310
3	3	10	0.1%	1	10.0%	$3,217
TOTAL		**10,726**	**100.0%**	**212**	**2.0%**	
293 Units Under Construction						

Tax Credit, Non-Subsidized						
Bedrooms	Baths	Units	Distribution	Vacant	Vacancy Rate	Median Gross Rent
1	1	91	14.7%	2	2.2%	$1,054
2	1	195	31.6%	14	7.2%	$983
2	2	84	13.6%	0	0.0%	$1,266
3	1	6	1.0%	0	0.0%	$1,130
3	1.5	55	8.9%	0	0.0%	$1,020
3	2	66	10.7%	0	0.0%	$1,461
3	2.5	93	15.1%	0	0.0%	$1,174
4	2	27	4.4%	0	0.0%	$1,630
TOTAL		**617**	**100.0%**	**16**	**2.6%**	

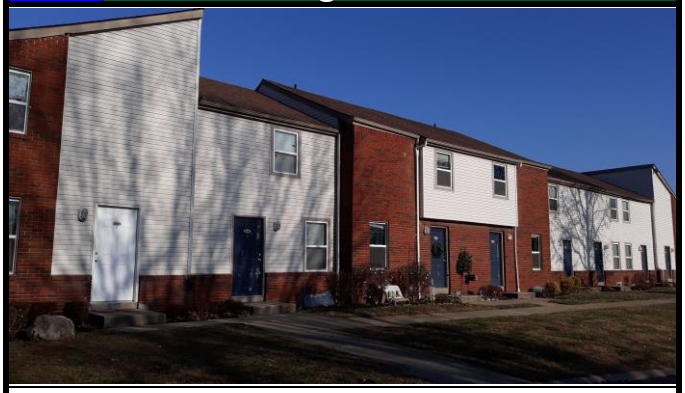
Tax Credit, Government-Subsidized						
Bedrooms	Baths	Units	Distribution	Vacant	Vacancy Rate	Median Gross Rent
1	1	185	35.6%	0	0.0%	N.A.
2	1	211	40.7%	0	0.0%	N.A.
3	1.5	54	10.4%	0	0.0%	N.A.
3	2.5	69	13.3%	0	0.0%	N.A.
TOTAL		**519**	**100.0%**	**0**	**0.0%**	

Government-Subsidized						
Bedrooms	Baths	Units	Distribution	Vacant	Vacancy Rate	Median Gross Rent
1	1	109	100.0%	0	0.0%	N.A.
TOTAL		**109**	**100.0%**	**0**	**0.0%**	

Grand Total	**11,971**	**-**	**228**	**1.9%**	

Survey of Properties

1 Hilliard Village



3400 Twin Creek Dr.
Columbus, OH 43204
Phone (614) 272-6879
Contact Ayanna(by phone)
Waitlist None

Total Units	352
Vacancies	12
Occupancy	96.6%
Floors	2,2.5
Quality	C
Year Built	1977
Renovated	2000

Comments
2-br garden unit rent range based on size; Higher rent 3-br townhomes have finished basement; Higher rent 2-br units have washer/dryer; Townhomes have basement, patio & washer/dryer hookups

2 Meadowood Apts.

1248 Warble Dr.
Columbus, OH 43204
Phone (614) 683-3770
Contact Jill(in person)
Waitlist None

Total Units	83
Vacancies	5
Occupancy	94.0%
Floors	1
Quality	B-
Year Built	1983
Renovated	2000

Comments
Renovation date estimated; Select 1- & 2-br units have dishwasher, washer/dryer hookups & patio; Flat fee for water, sewer & trash included in reported rents: studio/$20, 1-br/$30 & 2-br/$40

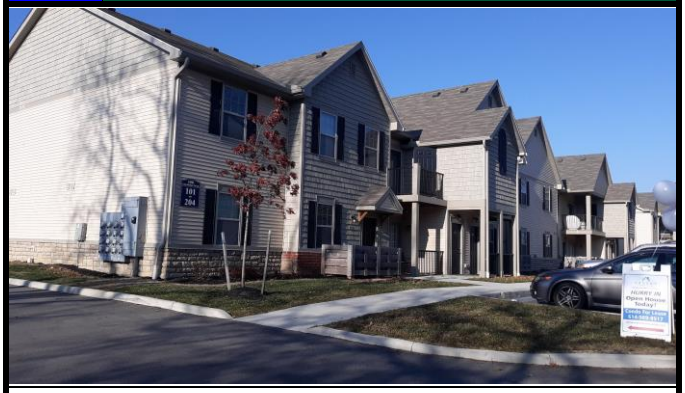
3 Pine Crossing

3691 Windward Way
Columbus, OH 43204
Phone (614) 275-0112
Contact Joe(by phone)
Waitlist 3-br: 2 households

Total Units	192
Vacancies	30
Occupancy	84.4%
Floors	2.5
Quality	C+
Year Built	1972
Renovated	1997

Comments
Market-rate (113 units); 60% AMI (79 units); Accepts HCV (31 units); MRR units have tenant-paid water & sewer; Vacancies due to recent renovations after fire damage

4 Addison Woods



1655 Gilmore Park Ave.
Columbus, OH 43204
Phone (614) 253-4702
Contact Travis(by phone)
Waitlist 3 months

Total Units	56
Vacancies	0
Occupancy	100.0%
Floors	2
Quality	A
Year Built	2018

Comments

Project Type

- Market-rate
- Market-rate/Tax Credit
- Market-rate/Government-subsidized
- Market-rate/Tax Credit/Government-subsidized
- Tax Credit
- Tax Credit/Government-subsidized
- Government-subsidized

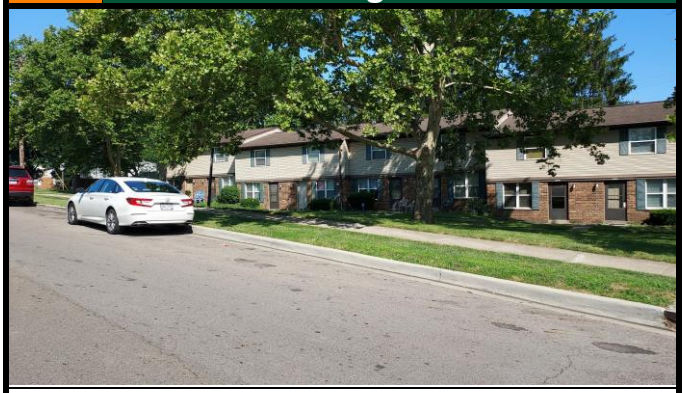
5 Whispering Creek Apts.

2960 Gooden Way
Columbus, OH 43204
Phone (833) 493-2583
Contact Rhonda(in person)
Waitlist 6-12 months

Total Units	188
Vacancies	0
Occupancy	100.0%
Floors	2,3
Quality	A
Year Built	2020

Comments
60% AMI; Opened 10/2020; Reached stabilized occupancy 5/2021

6 Wildwood Village

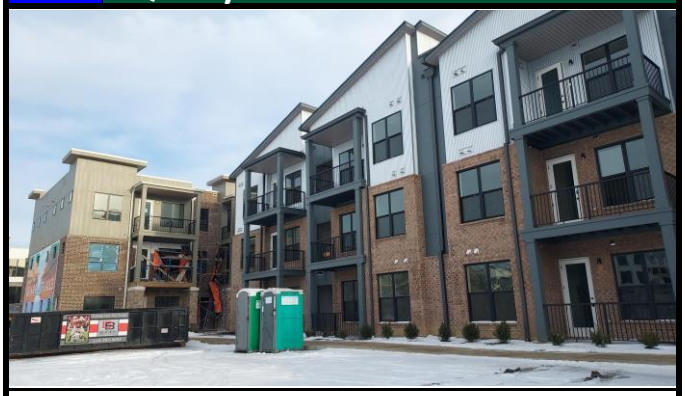


2895 La Vista Dr.
Columbus, OH 43204
Phone (614) 274-8392
Contact Name not given(in person)
Waitlist 12+ months

Total Units	272
Vacancies	0
Occupancy	100.0%
Floors	2
Quality	C+
Year Built	1972
Renovated	2006

Comments
60% AMI (72 units); 60% AMI & HUD Section 8 (200 units); Townhomes have washer/dryer hookups

7 Quarry Trails



2835 Gunnison Dr.
Columbus, OH 43228
Phone (614) 935-6761
Contact Tom(by phone)
Waitlist None

Total Units	0
Vacancies	0
Occupancy	0
Floors	4
Quality	A
Year Built	2023

Comments
All 293 units under construction, expected completion early 2023

8 Abbot's Cove

2960 Abbots Cove Blvd.
Columbus, OH 43204
Phone (614) 351-0500
Contact Jose(by phone)
Waitlist 4 months

Total Units	216
Vacancies	0
Occupancy	100.0%
Floors	2
Quality	B
Year Built	1990

Comments

Project Type

- Market-rate
- Market-rate/Tax Credit
- Market-rate/Government-subsidized
- Market-rate/Tax Credit/Government-subsidized
- Tax Credit
- Tax Credit/Government-subsidized
- Government-subsidized

9 Sturbridge Green

3750 Sturbridge Ct.
Hilliard, OH 43026
Phone (614) 876-0192
Contact Hyatt(in person)
Waitlist 36+ months

Total Units	50
Vacancies	0
Occupancy	100.0%
Floors	1
Quality	A-
Year Built	1981
Renovated	2015
	Senior Restricted (62+)

Comments
60% AMI & HUD Section 8; Also serves disabled

10 Scioto Fairway Woods Apts.

3274 Mapleway Ln.
Columbus, OH 43228
Phone (614) 481-8740
Contact Paula(in person)
Waitlist None

Total Units	80
Vacancies	0
Occupancy	100.0%
Floors	1
Quality	B+
Year Built	1978

Comments
Higher rent studio units are furnished; 2-br units have washer/dryer hookups

11 Cornerstone Village

4441 Trabue Rd.
Columbus, OH 43228
Phone (614) 918-6762
Contact Candy(by phone)
Waitlist None
Incentives 1 month free rent

Total Units	264
Vacancies	10
Occupancy	96.2%
Floors	3
Quality	A
Year Built	2021

Comments
Preleasing began 8/2021; Opened 9/2021

12 Hanover Park

2900 Angelo Joseph Ln.
Columbus, OH 43204
Phone (614) 827-1210
Contact Jacob(by phone)
Waitlist None

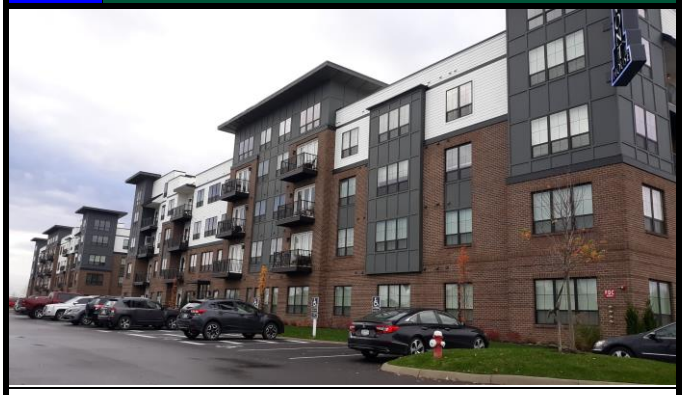
Total Units	216
Vacancies	2
Occupancy	99.1%
Floors	3
Quality	A
Year Built	2021

Comments

Project Type

- Market-rate
- Market-rate/Tax Credit
- Market-rate/Government-subsidized
- Market-rate/Tax Credit/Government-subsidized
- Tax Credit
- Tax Credit/Government-subsidized
- Government-subsidized

13 The Belmont House



3325 McKinley Ave.
Columbus, OH 43204
Phone (614) 484-1710
Contact Sasha(by phone)
Waitlist None

Total Units	267
Vacancies	2
Occupancy	99.3%
Floors	4,5
Quality	A
Year Built	2020

Comments

14 The Quarry

2550 Quarry Lake Dr.
Columbus, OH 43204
Phone (614) 486-7600
Contact Rachel(by phone)
Waitlist None

Total Units	674
Vacancies	4
Occupancy	99.4%
Floors	2,3
Quality	A
Year Built	1998
Renovated	2018

Comments
20% student, not designated; Twnhms. & select garden units have attached garage; Twnhms. have fireplace & ceiling fans

15 Marble Cliff Commons

2828 Marblevista Blvd.
Columbus, OH 43204
Phone (614) 488-1800
Contact Shannon(by phone)
Waitlist 3 months

Total Units	276
Vacancies	1
Occupancy	99.6%
Floors	1,2
Quality	A
Year Built	2003
Renovated	2019

Comments
Basic cable TV included in rent; 2- & 3-br units have attached garage; Flat fee for trash included in reported rents: $20

16 Gateway Lofts

2211 Dublin Rd.
Columbus, OH 43228
Phone (614) 756-2250
Contact Gabby(by phone)
Waitlist None

Total Units	269
Vacancies	9
Occupancy	96.7%
Floors	4
Quality	A
Year Built	2019

Comments
Preleasing began 5/2019; Opened 8/2019; Reached stabilized occupancy 7/2022; Flat fee for trash included in reported rents: $25

Project Type

- Market-rate
- Market-rate/Tax Credit
- Market-rate/Government-subsidized
- Market-rate/Tax Credit/Government-subsidized
- Tax Credit
- Tax Credit/Government-subsidized
- Government-subsidized

17 River Oaks

2299 River Oaks Dr.
Columbus, OH 43228
Phone (614) 826-0273
Contact Corey(by phone)
Waitlist None
Incentives $1,500 off move-in

Total Units 288
Vacancies 3
Occupancy 99.0%
Floors 3
Quality B
Year Built 1999
Renovated 2014

Comments
LRO rents; Rent range based on unit size, updates & attached garage; Select 2- & 3-br units have attached garage & fireplace; Flat fee for water, sewer & trash included in reported rents: $75-$100; Updated kitchens

18 Runaway Bay

1480 Runaway Bay Dr.
Columbus, OH 43204
Phone (614) 486-2915
Contact Tashayla(by phone)
Waitlist None

Total Units 424
Vacancies 31
Occupancy 92.7%
Floors 2,3
Quality B
Year Built 1984
Renovated 2018

Comments
40% student, not designated; Upgraded marina & common areas; 2-br units have fireplace

19 Woodview Court

3623 Heritage Club Dr.
Hilliard, OH 43026
Phone (614) 527-0662
Contact Lori(by phone)
Waitlist 12-18 months

Total Units 59
Vacancies 0
Occupancy 100.0%
Floors 3
Quality C
Year Built 1996

Senior Restricted (62+)

Comments
HUD Section 202 PRAC; 1 manager unit not included in total

20 Wilson Plaza

169 N. Wilson Rd.
Columbus, OH 43204
Phone (614) 279-5147
Contact Shawna(by phone)
Waitlist None

Total Units 199
Vacancies 0
Occupancy 100.0%
Floors 2.5
Quality B-
Year Built 1965
Renovated 2012

Comments
Accepts HCV; Higher priced 1-br & all 2-br/1.5-bath units have patio/balcony; Select 2-br units have dishwasher; Select 1-br units have storage

Project Type

- Market-rate
- Market-rate/Tax Credit
- Market-rate/Government-subsidized
- Market-rate/Tax Credit/Government-subsidized
- Tax Credit
- Tax Credit/Government-subsidized
- Government-subsidized

21 Lincoln Village Apts.

80-160 Old Village Rd.
Columbus, OH 43228
Phone (614) 878-5273
Contact Nancy(by phone)
Waitlist None

Total Units	48
Vacancies	0
Occupancy	100.0%
Floors	2.5,3
Quality	C
Year Built	1964
Renovated	2019

Comments
Market-rate (38 units); 60% AMI (10 units); Does not accept HCV; Square footage est. by management; Unit interiors updated as needed; MRR units have dishwasher, disposal, microwave & W/D

22 Lincoln Green Apts.

165 Milton Ct.
Columbus, OH 43228
Phone (614) 878-5273
Contact Cheryl(by phone)
Waitlist 6-9 months

Total Units	66
Vacancies	0
Occupancy	100.0%
Floors	2
Quality	B+
Year Built	1980
Renovated	2014

Comments
50% AMI & HUD Section 8; Renovated with HDAP funds

23 Murray Commons

4785 Beacon Hill Rd.
Columbus, OH 43228
Phone (614) 870-6232
Contact Tammy(in person)
Waitlist 20 households

Total Units	50
Vacancies	0
Occupancy	100.0%
Floors	3
Quality	B+
Year Built	1981
Renovated	2011
	Senior Restricted (62+)

Comments
HUD Section 8; Square footage estimated; Also serves disabled; 5 units are handicapped-accessible

24 Ryland Park

5391 Renner Rd.
Hilliard, OH 43026
Phone (614) 981-7990
Contact Jacob(by phone)
Waitlist None

Total Units	96
Vacancies	4
Occupancy	95.8%
Floors	3
Quality	A
Year Built	2017

Comments
Rent range based on view

Project Type

- Market-rate
- Market-rate/Tax Credit
- Market-rate/Government-subsidized
- Market-rate/Tax Credit/Government-subsidized
- Tax Credit
- Tax Credit/Government-subsidized
- Government-subsidized

25 Wheatland Crossing I

180 N. Wheatland Ave.
Columbus, OH 43204
Phone (614) 915-8406
Contact Cassandra(in person)
Waitlist 70 households

Total Units	42
Vacancies	0
Occupancy	100.0%
Floors	3
Quality	A
Year Built	2017

Senior Restricted (55+)

Comments
35%, 50% & 60% AMI; Accepts HCV (18 units)

26 Wheatland Crossing II

158 N. Wheatland Ave.
Columbus, OH 43204
Phone (614) 915-8406
Contact Cassandra(in person)
Waitlist 70 households

Total Units	64
Vacancies	0
Occupancy	100.0%
Floors	3
Quality	A
Year Built	2021

Comments
30%, 50% & 60% AMI (53 units); 50% AMI & HUD Section 811 (11 units); Preleasing began 6/20; Opened 2/21; Reached stabilized occupancy 5/21; Intergenerational housing

27 Austin Place

1108 Carriage Knoll Ln.
Columbus, OH 43228
Phone (614) 918-6728
Contact China(by phone)
Waitlist None

Total Units	256
Vacancies	11
Occupancy	95.7%
Floors	3
Quality	A
Year Built	2019

Comments
Preleasing began 2/2019; Opened 5/2019

28 Trabue Crossing

1425 Crossing Green Ln.
Columbus, OH 43228
Phone (614) 827-1304
Contact Chelsea(by phone)
Waitlist 24 months

Total Units	52
Vacancies	0
Occupancy	100.0%
Floors	2
Quality	A
Year Built	2014

Comments
60% AMI (12 units); 30%, 50% & 60% AMI & PBRA (40 units)

Project Type

- Market-rate
- Market-rate/Tax Credit
- Market-rate/Government-subsidized
- Market-rate/Tax Credit/Government-subsidized
- Tax Credit
- Tax Credit/Government-subsidized
- Government-subsidized

29 Sheldon Park

2460 Walcutt Rd.
Columbus, OH 43228
Phone (614) 484-1705
Contact Name not given(by phone)
Waitlist None

Total Units	186
Vacancies	1
Occupancy	99.5%
Floors	3
Quality	A
Year Built	2021

Comments

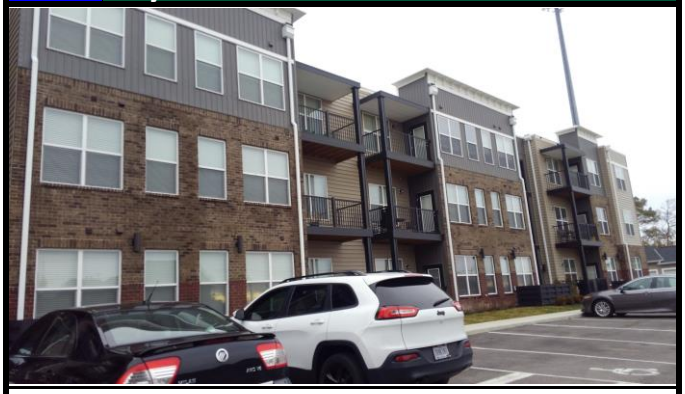
30 Residences at Breckenridge

5160 Preferred Pl.
Hilliard, OH 43026
Phone (614) 921-9780
Contact Brandy(by phone)
Waitlist None

Total Units	208
Vacancies	8
Occupancy	96.2%
Floors	3
Quality	B
Year Built	2003

Comments
3-br unit is 2-br unit with den; Flat fee for trash included in reported rents: $12

31 Sycamore House at Hilliard

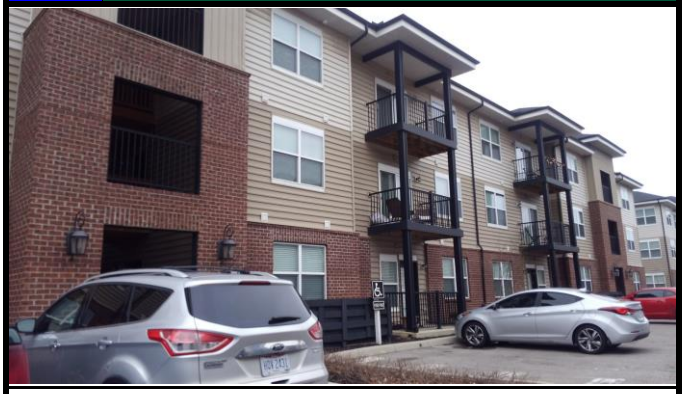


1155 Winston Decker Dr.
Columbus, OH 43228
Phone (614) 947-8980
Contact Jessie(by phone)
Waitlist None

Total Units	240
Vacancies	3
Occupancy	98.8%
Floors	3
Quality	A
Year Built	2018

Comments

32 Andover Park



1261 Gabrielle Elaine Dr.
Columbus, OH 43228
Phone (614) 824-6700
Contact Jessie(by phone)
Waitlist None

Total Units	264
Vacancies	2
Occupancy	99.2%
Floors	3
Quality	A
Year Built	2014

Comments
Rent range based on floor level

Project Type

- Market-rate
- Market-rate/Tax Credit
- Market-rate/Government-subsidized
- Market-rate/Tax Credit/Government-subsidized
- Tax Credit
- Tax Credit/Government-subsidized
- Government-subsidized

33 Hilltop Homes I

Scattered Sites
Columbus, OH 43223
Phone (614) 826-5985
Contact Kam(by phone)
Waitlist 24-36 months

Total Units	30
Vacancies	0
Occupancy	100.0%
Floors	1,2
Quality	B+
Year Built	1930
Renovated	2009

Comments
35% & 50% AMI; Accepts HCV; Ranch-style homes do not have basement; Lease-purchase option; Scattered site single-family homes

34 Hilliard Summit

6373 Meadows Way
Hilliard, OH 43026
Phone (614) 777-5400
Contact Nexis(by phone)
Waitlist None

Total Units	208
Vacancies	8
Occupancy	96.2%
Floors	2
Quality	A
Year Built	2011

Comments
Accepts HCV (45 units); YieldStar rents; Townhomes have attached garage; 1st-floor units have 9-ft. ceilings

35 Lincoln Gardens Apts.

108 Sturbridge Rd.
Columbus, OH 43228
Phone (614) 878-4394
Contact Megan(by phone)
Waitlist 24-36 months

Total Units	100
Vacancies	0
Occupancy	100.0%
Floors	1
Quality	B+
Year Built	1959
Renovated	2011
	Senior Restricted (55+)

Comments
Market-rate (5 units); 35%, 50% & 60% AMI & HUD Section 8 (95 units); Also serves disabled; Unit mix estimated

36 Peyton Park

2581 Walcutt Rd.
Hilliard, OH 43026
Phone (614) 824-6500
Contact Cari(by phone)
Waitlist None

Total Units	128
Vacancies	7
Occupancy	94.5%
Floors	2
Quality	A
Year Built	2019

Comments
Preleasing began 11/2018; Opened 1/2019; Reached stabilized occupancy 6/2019; Flat fee for trash included in reported rents: $15

Project Type

- Market-rate
- Market-rate/Tax Credit
- Market-rate/Government-subsidized
- Market-rate/Tax Credit/Government-subsidized
- Tax Credit
- Tax Credit/Government-subsidized
- Government-subsidized

37 Hilliard Park

2485 Hilliard Park Blvd.
Hilliard, OH 43026
Phone (614) 777-9700
Contact Cassie(by phone)
Waitlist None

Total Units	201
Vacancies	6
Occupancy	97.0%
Floors	2
Quality	B
Year Built	2001
Renovated	2005

Comments
YieldStar rents; Select townhomes have attached 1-car garage; 2-br townhomes (1,180 sq. ft.) have unfinished basement

38 Hilliard Station

5300 Catalina Circle Dr.
Hilliard, OH 43026
Phone (614) 527-8770
Contact Pam(by phone)
Waitlist None

Total Units	656
Vacancies	6
Occupancy	99.1%
Floors	2
Quality	B
Year Built	1997
Renovated	2018

Comments
Flat fee for trash included in reported rents: $9; LRO rents

39 Hartford Village Commons

964 Hartford Village Blvd.
Columbus, OH 43228
Phone (614) 824-0330
Contact Cassie(in person)
Waitlist None

Total Units	72
Vacancies	4
Occupancy	94.4%
Floors	2
Quality	A
Year Built	2015

Comments
2-br/1-bath units have walk-in closets; 1st-floor units have patio

40 Waterford Pointe

5750 Feder Rd.
Columbus, OH 43228
Phone (614) 853-9339
Contact Name not given(by phone)
Waitlist 3 households

Total Units	256
Vacancies	0
Occupancy	100.0%
Floors	2
Quality	B
Year Built	1995
Renovated	2018

Comments
Flat fee for water, sewer & trash included in reported rents: $39; All 2-br units have walk-in closets

Project Type

- Market-rate
- Market-rate/Tax Credit
- Market-rate/Government-subsidized
- Market-rate/Tax Credit/Government-subsidized
- Tax Credit
- Tax Credit/Government-subsidized
- Government-subsidized

41 The Attleigh

1121 Mirror Lake Pl.
Columbus, OH 43228
Phone (833) 290-2656
Contact Sherla(by phone)
Waitlist 1 week

Total Units 194
Vacancies 1
Occupancy 99.5%
Floors 3
Quality A
Year Built 2017

Comments
2-br units have walk-in closets

42 Brookview at Noble Park

568 Carpenter Rdg.
Columbus, OH 43228
Phone (614) 853-0710
Contact Ben(by phone)
Waitlist None

Total Units 189
Vacancies 8
Occupancy 95.8%
Floors 2
Quality B+
Year Built 2002

Comments

43 Fountain Place

833 Misty Hollow Ln.
Columbus, OH 43228
Phone (614) 851-1580
Contact Liz(by phone)
Waitlist None

Total Units 208
Vacancies 6
Occupancy 97.1%
Floors 2
Quality B+
Year Built 1999
Renovated 2015

Comments
Accepts HCV; Renovation date estimated

44 Brookview at Templeton Crossing

5418 Arbrook
Columbus, OH 43228
Phone (614) 853-0710
Contact Brian(by phone)
Waitlist None

Total Units 272
Vacancies 9
Occupancy 96.7%
Floors 2
Quality B+
Year Built 2001

Comments

Project Type

- Market-rate
- Market-rate/Tax Credit
- Market-rate/Government-subsidized
- Market-rate/Tax Credit/Government-subsidized
- Tax Credit
- Tax Credit/Government-subsidized
- Government-subsidized

45 Bayside Commons I

2332 Asics Rd.
Hilliard, OH 43026
Phone (614) 771-0777
Contact Cathy(in person)
Waitlist None

Total Units	120
Vacancies	0
Occupancy	100.0%
Floors	2,3
Quality	B-
Year Built	1991
Renovated	2015

Comments
Flat fee for trash included in reported rents: $6

46 Bayside Commons II

2232 Asics Rd.
Hilliard, OH 43026
Phone (614) 771-0777
Contact Cathy(in person)
Waitlist None

Total Units	164
Vacancies	0
Occupancy	100.0%
Floors	2,3
Quality	B-
Year Built	1992
Renovated	2015

Comments
Flat fee for trash included in reported rents: $6

47 Bayside Commons III

2232 Asics Rd.
Hilliard, OH 43026
Phone (614) 710-0218
Contact Cathy(by phone)
Waitlist None

Total Units	56
Vacancies	1
Occupancy	98.2%
Floors	3
Quality	B
Year Built	2015

Comments

48 Glenchester Lakes

421 Iverson Way
Galloway, OH 43119
Phone (614) 853-1296
Contact Amanda(by phone)
Waitlist 4 months

Total Units	354
Vacancies	0
Occupancy	100.0%
Floors	2
Quality	A-
Year Built	1999
Renovated	2012

Comments
Phase II built 2001; 2- & 3-br twnhms. have fireplace & vaulted ceilings; Garden unit rent range based on floor level; Flat fee for water & trash included in reported rents: $30

Project Type

- Market-rate
- Market-rate/Tax Credit
- Market-rate/Government-subsidized
- Market-rate/Tax Credit/Government-subsidized
- Tax Credit
- Tax Credit/Government-subsidized
- Government-subsidized

49 Wexford Lakes

1100 Burnham Dr.
Columbus, OH 43228
Phone (614) 870-1900
Contact Layla(by phone)
Waitlist 4 months

Total Units	348
Vacancies	0
Occupancy	100.0%
Floors	2
Quality	B+
Year Built	1988
Renovated	2000

Comments
Townhomes have washer/dryer & walk-in closets; Renovation date estimated

50 Hawthorne Lakes

5400 Cedar Springs
Columbus, OH 43228
Phone (614) 465-7828
Contact Name not given(by phone)
Waitlist None

Total Units	70
Vacancies	0
Occupancy	100.0%
Floors	2
Quality	B+
Year Built	2002

Comments
70 rental units in 109-unit property; Upgraded units have microwave & granite counters; Rent range based on upgrades

51 Parkview

5400 Diamond Loch
Columbus, OH 43228
Phone (614) 878-4089
Contact Lisa(by phone)
Waitlist None

Total Units	216
Vacancies	5
Occupancy	97.7%
Floors	3
Quality	B+
Year Built	2001

Comments

52 Trinity Lakes

600 Trinity Marsh
Columbus, OH 43228
Phone (614) 907-7475
Contact Zachary(by phone)
Waitlist None

Total Units	240
Vacancies	5
Occupancy	97.9%
Floors	2,3
Quality	B+
Year Built	2002
Renovated	2020

Comments
Accepts HCV; Unit mix estimated; Flat fee for water, sewer & trash included in reported rents: $30; Units with lake view have balcony; Rent range based on renovations

Project Type

- Market-rate
- Market-rate/Tax Credit
- Market-rate/Government-subsidized
- Market-rate/Tax Credit/Government-subsidized
- Tax Credit
- Tax Credit/Government-subsidized
- Government-subsidized

53 Cabot Cove Apts.

5535 Cabot Cove Dr.
Hilliard, OH 43026
Phone (614) 771-6650
Contact Tonesha(by phone)
Waitlist None

Total Units	288
Vacancies	0
Occupancy	100.0%
Floors	2
Quality	B+
Year Built	1990
Renovated	2021

Comments

54 Willow Bend Twnhms.

1531 Whispering Willow Ln.
Hilliard, OH 43026
Phone (614) 820-1904
Contact Jamie(by phone)
Waitlist 10 households

Total Units	92
Vacancies	0
Occupancy	100.0%
Floors	1,2
Quality	B
Year Built	1992
Renovated	2012

Comments
60% AMI; Accepts HCV (70 units); Renovation date estimated; Flat fee for water included in reported rents: $57

55 Gables West

2383 Silvercrest Ln.
Hilliard, OH 43026
Phone (614) 918-6730
Contact Lupe(by phone)
Waitlist 28 households

Total Units	184
Vacancies	0
Occupancy	100.0%
Floors	3
Quality	A
Year Built	2019

Comments
Preleasing began 3/2019; Opened 5/2019; Reached stabilized occupancy 11/2019

56 Hickory Mill Apts.

2767 Hickory Mill Dr.
Hilliard, OH 43026
Phone (614) 407-0601
Contact Alexandra(in person)
Waitlist None

Total Units	60
Vacancies	2
Occupancy	96.7%
Floors	1
Quality	B
Year Built	1980

Comments
2-br units have washer/dryer hookups; Select 1- & 2-br units have dishwasher; Flat fee for water & sewer included in reported rents: studio/$30, 1-br/$44 & 2-br/$60

Project Type

- Market-rate
- Market-rate/Tax Credit
- Market-rate/Government-subsidized
- Market-rate/Tax Credit/Government-subsidized
- Tax Credit
- Tax Credit/Government-subsidized
- Government-subsidized

57 Country Ridge Apts.

5656 Farmhouse Ln.
Hilliard, OH 43026
Phone (614) 771-7893
Contact Maria(in person)
Waitlist 16 households

Total Units 96
Vacancies 0
Occupancy 100.0%
Floors 2
Quality B+
Year Built 1998
Renovated 2013

Comments
50% & 60% AMI & HUD Section 8 (57 units); 50% & 60% AMI (39 units); 3-br units have walk-in closets; Waitlist: 2-br/6 households & 3-br/10 households

58 Hilliard Place

5652 Roberts Rd.
Hilliard, OH 43026
Phone (614) 527-1500
Contact Kelly(by phone)
Waitlist None

Total Units 44
Vacancies 0
Occupancy 100.0%
Floors 2
Quality A
Year Built 2016

Comments

59 Crown Pointe

5930 W. Broad St.
Galloway, OH 43119
Phone (614) 918-6764
Contact Name not given(by phone)
Waitlist None

Total Units 192
Vacancies 6
Occupancy 96.9%
Floors 3
Quality A
Year Built 2022

Comments
Preleasing began 12/2021; Opened 1/2022

60 Bridgestone

2640 Lakebridge Ln.
Hilliard, OH 43026
Phone (614) 739-2080
Contact April(by phone)
Waitlist None

Total Units 416
Vacancies 0
Occupancy 100.0%
Floors 2
Quality A-
Year Built 1998
Renovated 2016

Comments
Rent range based on renovations; Renovated units have upgraded appliances & microwave

Project Type

- Market-rate
- Market-rate/Tax Credit
- Market-rate/Government-subsidized
- Market-rate/Tax Credit/Government-subsidized
- Tax Credit
- Tax Credit/Government-subsidized
- Government-subsidized

61 Lake Ridge

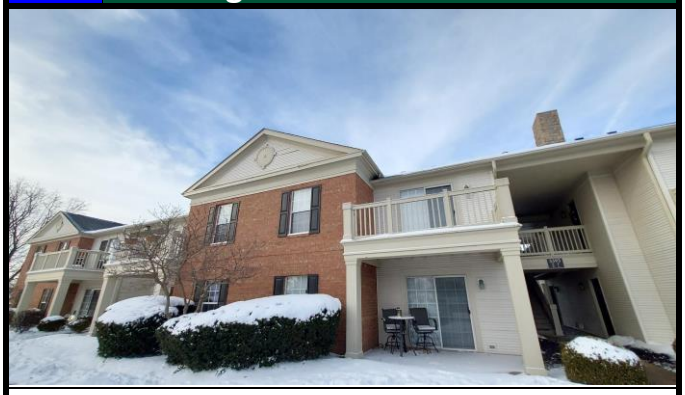
2591 Goldenstrand Dr.
Hilliard, OH 43026

Phone (614) 527-0651
Contact Carey(by phone)
Waitlist None

Total Units 160
Vacancies 4
Occupancy 97.5%
Floors 2
Quality B
Year Built 1997
Renovated 2015

Comments
YieldStar rents; 2-br units have walk-in closets; Flat fee for trash included in reported rents: $25

62 Heritage Green



3415 Durban St.
Hilliard, OH 43026

Phone (614) 665-8346
Contact Marko(by phone)
Waitlist None

Total Units 360
Vacancies 12
Occupancy 96.7%
Floors 2
Quality A-
Year Built 1998
Renovated 2016

Comments
LRO rents; Rent range based on size, location & upgrades; Townhomes have fireplace; 2-br townhomes have pantry; Select 3-br townhomes have attached garage

Project Type

- Market-rate
- Market-rate/Tax Credit
- Market-rate/Government-subsidized
- Market-rate/Tax Credit/Government-subsidized
- Tax Credit
- Tax Credit/Government-subsidized
- Government-subsidized

Collected Rents

Map ID	Garden Units					Townhouse Units			
	Studio	1-Br	2-Br	3-Br	4 Br+	1-Br	2-Br	3-Br	4 Br+
1		$1,100	$1,200 - $1,250				$1,290 - $1,360	$1,600	
2	$705	$765 - $840	$895						
3		$879 - $993	$1,024 - $1,236	$1,281 - $1,438					
4		$995	$1,150 - $1,195						
5		$917	$1,080	$1,224	$1,343				
6		$584	$585	$586			$814	$900	
7	$1,275 - $1,385	$1,380	$1,895 - $1,900						
8		$900 - $919	$1,019				$1,019		
10	$664 - $709	$765	$909						
11		$1,295	$1,535						
12		$1,345 - $1,500	$1,865 - $3,250						
13		$1,499 - $1,690	$2,105 - $2,335						
14		$1,008 - $2,557	$1,216 - $3,054				$1,358 - $3,130	$2,943 - $4,602	
15		$1,271	$1,632 - $2,132	$2,092 - $2,135					
16		$1,273 - $1,653	$1,671 - $2,058						
17		$915 - $1,260	$1,300 - $1,480	$1,860 - $2,005					
18		$1,061 - $1,370	$1,089 - $1,386						
20		$735 - $765	$885 - $945						
21			$800				$800 - $850	$900 - $950	
24		$1,415 - $1,500	$1,455 - $1,505						
♦ 25		$568 - $798	$680 - $942						
26		$382 - $775	$444 - $875				$917	$458 - $1,005	
27		$975 - $1,010	$1,033 - $1,130						
28								$1,040	
29		$1,009 - $1,184	$1,584 - $1,984						
30	$912	$994 - $1,071	$1,121 - $1,154	$1,407					
31		$1,100 - $1,150	$1,270 - $1,450						
32		$1,074 - $1,094	$1,199 - $1,339						
33								$412 - $790	$477 - $865
34		$1,195	$1,265 - $2,040				$1,665 - $2,125	$2,210 - $3,155	
♦ 35			$755						
36		$1,200	$1,500						
37			$1,420 - $1,570				$1,600 - $2,575	$1,805 - $2,400	
38		$1,025	$1,125						
39		$1,250	$1,250 - $1,450						
40		$849	$1,099						
41		$1,080 - $1,125	$1,365 - $1,470						

Project Type

- Market-rate
- Market-rate/Tax Credit
- Market-rate/Government-subsidized
- Senior Restricted
- Market-rate/Tax Credit/Government-subsidized
- Tax Credit
- Tax Credit/Government-subsidized
- Government-subsidized

Map ID	Garden Units					Townhouse Units			
	Studio	1-Br	2-Br	3-Br	4 Br+	1-Br	2-Br	3-Br	4 Br+
42		$855 - $954	$1,117 - $1,242						
43		$1,050	$1,250						
44		$940 - $1,168	$1,220 - $1,365						
45		$924 - $1,000	$1,000 - $1,100	$1,150 - $1,250			$1,250 - $1,350	$1,450 - $1,770	
46		$900 - $1,000	$1,000 - $1,100				$1,250 - $1,350	$1,450 - $1,710	
47		$990	$1,000 - $1,210					$1,500	
48		$916 - $976	$1,126 - $1,131				$1,231	$1,611	
49		$839 - $894	$1,024				$1,079		
50		$900 - $950	$1,025 - $1,125						
51		$1,000	$1,100						
52		$900 - $1,067	$1,061 - $1,232						
53							$1,209 - $1,400		
54				$950 - $985				$1,025	
55		$959 - $989	$1,069 - $1,189	$1,519					
56	$800 - $834	$880 - $975	$1,000						
57			$902 - $1,025					$1,150	
58								$2,020 - $2,100	
59		$1,175	$1,425						
60		$961 - $1,116	$1,011 - $1,176						
61		$1,164 - $1,187	$1,114						
62		$1,235 - $1,691	$1,110 - $1,455				$1,585 - $2,487	$2,214 - $3,491	

Project Type

- Market-rate
- Market-rate/Tax Credit
- Market-rate/Government-subsidized
- Senior Restricted
- Market-rate/Tax Credit/Government-subsidized
- Tax Credit
- Tax Credit/Government-subsidized
- Government-subsidized

Price Per Square Foot

Studio Units					
Map ID	Project Name	Baths	Unit Size	Gross Rent	$ / Square Foot
2	Meadowood Apts.	1	288	$773	$2.68
7	Quarry Trails	1	560	$1,395 - $1,505	$2.49 - $2.69
10	Scioto Fairway Woods Apts.	1	278	$732 - $777	$2.63 - $2.80
30	Residences at Breckenridge	1	507	$1,023	$2.02
56	Hickory Mill Apts.	1	288	$884 - $918	$3.07 - $3.19

One-Bedroom Units					
Map ID	Project Name	Baths	Unit Size	Gross Rent	$ / Square Foot
1	Hilliard Village	1	615	$1,237	$2.01
2	Meadowood Apts.	1	576	$859 - $934	$1.49 - $1.62
3	Pine Crossing	1	650	$972 - $1,086	$1.50 - $1.67
4	Addison Woods	1	815 - 876	$1,090	$1.24 - $1.34
5	Whispering Creek Apts.	1	712	$1,054	$1.48
6	Wildwood Village	1	579	$629	$1.09
7	Quarry Trails	1	579 - 624	$1,516	$2.43 - $2.62
8	Abbot's Cove	1	787	$1,053 - $1,072	$1.34 - $1.36
10	Scioto Fairway Woods Apts.	1	600	$859	$1.43
11	Cornerstone Village	1	681	$1,340	$1.97
12	Hanover Park	1	681 - 893	$1,498 - $1,653	$1.85 - $2.20
13	The Belmont House	1	646 - 852	$1,636 - $1,827	$2.14 - $2.53
14	The Quarry	1	680 - 893	$1,145 - $2,694	$1.68 - $3.02
15	Marble Cliff Commons	1	888	$1,372	$1.55
16	Gateway Lofts	1	604 - 818	$1,410 - $1,790	$2.19 - $2.33
17	River Oaks	1	765 - 998	$884 - $1,229	$1.16 - $1.23
18	Runaway Bay	1	676 - 890	$1,213 - $1,522	$1.71 - $1.79
20	Wilson Plaza	1	560 - 620	$857 - $887	$1.43 - $1.53
24	Ryland Park	1	610 - 720	$1,568 - $1,653	$2.30 - $2.57
♦ 25	Wheatland Crossing I	1	750	$613 - $843	$0.82 - $1.12
26	Wheatland Crossing II	1	658 - 673	$439 - $832	$0.67 - $1.24
27	Austin Place	1	675 - 695	$1,112 - $1,147	$1.65 - $1.65
29	Sheldon Park	1	600 - 712	$994 - $1,169	$1.64 - $1.66
30	Residences at Breckenridge	1	700 - 752	$1,131 - $1,208	$1.61 - $1.62
31	Sycamore House at Hilliard	1	675	$1,226 - $1,276	$1.82 - $1.89
32	Andover Park	1	720	$1,200 - $1,220	$1.67 - $1.69
34	Hilliard Summit	1	780	$1,332	$1.71
36	Peyton Park	1	712	$1,337	$1.88
38	Hilliard Station	1	650 - 850	$1,120	$1.32 - $1.72

Project Type

- Market-rate
- Market-rate/Tax Credit
- Market-rate/Government-subsidized
- Senior Restricted
- Market-rate/Tax Credit/Government-subsidized
- Tax Credit
- Tax Credit/Government-subsidized
- Government-subsidized

One-Bedroom Units					
Map ID	Project Name	Baths	Unit Size	Gross Rent	$ / Square Foot
39	Hartford Village Commons	1	790 - 848	$1,387	$1.64 - $1.76
40	Waterford Pointe	1	650 - 757	$943	$1.25 - $1.45
41	The Attleigh	1	678	$1,233 - $1,278	$1.82 - $1.89
42	Brookview at Noble Park	1	690 - 880	$992 - $1,091	$1.24 - $1.44
43	Fountain Place	1	678 - 702	$1,162	$1.66 - $1.71
44	Brookview at Templeton Crossing	1	690 - 880	$1,077 - $1,305	$1.48 - $1.56
45	Bayside Commons I	1	600	$1,061 - $1,137	$1.77 - $1.90
46	Bayside Commons II	1	610	$1,037 - $1,137	$1.70 - $1.86
47	Bayside Commons III	1	600 - 752	$1,127	$1.50 - $1.88
48	Glenchester Lakes	1	650 - 720	$1,009 - $1,069	$1.48 - $1.55
49	Wexford Lakes	1	600 - 770	$976 - $1,031	$1.34 - $1.63
50	Hawthorne Lakes	1	753	$1,037 - $1,087	$1.38 - $1.44
51	Parkview	1	753	$1,153	$1.53
52	Trinity Lakes	1	690 - 880	$994 - $1,161	$1.32 - $1.44
55	Gables West	1	700	$1,096 - $1,126	$1.57 - $1.61
56	Hickory Mill Apts.	1	576	$982 - $1,077	$1.70 - $1.87
59	Crown Pointe	1	681	$1,312	$1.93
60	Bridgestone	1	793 - 880	$1,051 - $1,206	$1.33 - $1.37
61	Lake Ridge	1	750	$1,301 - $1,324	$1.73 - $1.77
62	Heritage Green	1	730 - 900	$1,388 - $1,844	$1.90 - $2.05

Two-Bedroom Units					
Map ID	Project Name	Baths	Unit Size	Gross Rent	$ / Square Foot
1	Hilliard Village	1	864 - 888	$1,386 - $1,436	$1.60 - $1.62
		1.5	1,065	$1,507 - $1,577	$1.42 - $1.48
2	Meadowood Apts.	1 to 2	864	$1,016	$1.18
3	Pine Crossing	1	850	$1,135 - $1,347	$1.34 - $1.58
4	Addison Woods	1	1,047 - 1,116	$1,280	$1.15 - $1.22
		2	1,047 - 1,116	$1,325	$1.19 - $1.27
5	Whispering Creek Apts.	2	1,038	$1,266	$1.22
6	Wildwood Village	1	781 - 838	$641 - $879	$0.82 - $1.05
7	Quarry Trails	2	912 - 935	$2,071 - $2,076	$2.22 - $2.27
8	Abbot's Cove	1	845 - 850	$1,221 - $1,252	$1.45 - $1.47
10	Scioto Fairway Woods Apts.	1	900	$1,030	$1.14
11	Cornerstone Village	2	957	$1,609	$1.68
12	Hanover Park	2	1,055 - 1,149	$2,067 - $3,452	$1.96 - $3.00
13	The Belmont House	2 to 3	692 - 1,421	$2,291 - $2,521	$1.77 - $3.31

Project Type

- Market-rate
- Market-rate/Tax Credit
- Market-rate/Government-subsidized
- Senior Restricted
- Market-rate/Tax Credit/Government-subsidized
- Tax Credit
- Tax Credit/Government-subsidized
- Government-subsidized

Two-Bedroom Units					
Map ID	Project Name	Baths	Unit Size	Gross Rent	$ / Square Foot
14	The Quarry	1	893 - 1,345	$1,402 - $3,240	$1.57 - $2.41
		2.5	1,312 - 1,365	$1,575 - $3,347	$1.20 - $2.45
15	Marble Cliff Commons	2	1,281 - 1,336	$1,773 - $2,273	$1.38 - $1.70
16	Gateway Lofts	2	1,047 - 1,056	$1,857 - $2,244	$1.77 - $2.13
17	River Oaks	2	1,070 - 1,194	$1,296 - $1,476	$1.21 - $1.24
18	Runaway Bay	1 to 2	841 - 1,071	$1,281 - $1,578	$1.47 - $1.52
20	Wilson Plaza	1 to 1.5	670 - 860	$1,070 - $1,130	$1.31 - $1.60
21	Lincoln Village Apts.	1	653 - 700	$969 - $1,037	$1.48 - $1.48
24	Ryland Park	2	1,053	$1,657 - $1,707	$1.57 - $1.62
♦ 25	Wheatland Crossing I	1	900	$736 - $998	$0.82 - $1.11
26	Wheatland Crossing II	1	859 - 1,043	$515 - $1,000	$0.60 - $0.96
27	Austin Place	1	950	$1,219 - $1,276	$1.28 - $1.34
		2	971	$1,316	$1.36
29	Sheldon Park	2	1,032 - 1,230	$1,524 - $1,924	$1.48 - $1.56
30	Residences at Breckenridge	1	935	$1,307	$1.40
		2	910 - 922	$1,329 - $1,340	$1.45 - $1.46
31	Sycamore House at Hilliard	2	1,038 - 1,135	$1,440 - $1,620	$1.39 - $1.43
32	Andover Park	1	1,007	$1,369 - $1,409	$1.36 - $1.40
		2	1,053	$1,469 - $1,509	$1.40 - $1.43
34	Hilliard Summit	2	1,110 - 1,370	$1,451 - $2,226	$1.31 - $1.62
		2.5	1,230	$1,882 - $2,342	$1.53 - $1.90
♦ 35	Lincoln Gardens Apts.	1	659 - 717	$850	$1.19 - $1.29
36	Peyton Park	2	1,032	$1,686	$1.63
37	Hilliard Park	2	1,060	$1,612 - $1,762	$1.52 - $1.66
		2.5	1,120 - 1,180	$1,810 - $2,785	$1.62 - $2.36
38	Hilliard Station	1	844 - 950	$1,269	$1.34 - $1.50
39	Hartford Village Commons	1 to 2	1,022 - 1,088	$1,436 - $1,636	$1.41 - $1.50
40	Waterford Pointe	1	844 - 961	$1,220	$1.27 - $1.45
41	The Attleigh	1 to 2	933	$1,567 - $1,672	$1.68 - $1.79
42	Brookview at Noble Park	1 to 2	885 - 1,080	$1,303 - $1,428	$1.32 - $1.47
43	Fountain Place	2	934 - 958	$1,411	$1.47 - $1.51
44	Brookview at Templeton Crossing	1 to 2	885 - 1,080	$1,406 - $1,551	$1.44 - $1.59
45	Bayside Commons I	1.5	1,025 - 1,028	$1,467 - $1,567	$1.43 - $1.52
		2	830 - 906	$1,186 - $1,286	$1.42 - $1.43
46	Bayside Commons II	1 to 2	920 - 960	$1,186 - $1,286	$1.29 - $1.34
		1.5	1,025	$1,467 - $1,567	$1.43 - $1.53

Project Type

- Market-rate
- Market-rate/Tax Credit
- Market-rate/Government-subsidized
- ♦ Senior Restricted
- Market-rate/Tax Credit/Government-subsidized
- Tax Credit
- Tax Credit/Government-subsidized
- Government-subsidized

Two-Bedroom Units					
Map ID	Project Name	Baths	Unit Size	Gross Rent	$ / Square Foot
47	Bayside Commons III	1 to 2	906 - 1,028	$1,186 - $1,396	$1.31 - $1.36
48	Glenchester Lakes	1	980	$1,237 - $1,242	$1.26 - $1.27
		1.5	1,024	$1,360	$1.33
49	Wexford Lakes	1	910 - 940	$1,210 - $1,296	$1.33 - $1.38
50	Hawthorne Lakes	2	948	$1,211 - $1,311	$1.28 - $1.38
51	Parkview	1	885 - 948	$1,302	$1.37 - $1.47
52	Trinity Lakes	2	885 - 1,080	$1,182 - $1,353	$1.25 - $1.34
53	Cabot Cove Apts.	1 to 1.5	900	$1,442 - $1,633	$1.60 - $1.81
55	Gables West	1 to 2	975	$1,255 - $1,375	$1.29 - $1.41
56	Hickory Mill Apts.	1	864	$1,137	$1.32
57	Country Ridge Apts.	1	848 - 888	$1,013 - $1,136	$1.19 - $1.28
59	Crown Pointe	2	957	$1,611	$1.68
60	Bridgestone	2	993 - 1,080	$1,148 - $1,313	$1.16 - $1.22
61	Lake Ridge	1	844	$1,300	$1.54
62	Heritage Green	2	940 - 1,100	$1,312 - $1,657	$1.40 - $1.51
		2.5	1,300	$1,818 - $2,720	$1.40 - $2.09

Three-Bedroom Units					
Map ID	Project Name	Baths	Unit Size	Gross Rent	$ / Square Foot
1	Hilliard Village	1.5	1,295	$1,874	$1.45
3	Pine Crossing	1.5	1,050	$1,409 - $1,566	$1.34 - $1.49
5	Whispering Creek Apts.	2	1,304	$1,461	$1.12
6	Wildwood Village	1.5	845 - 935	$654 - $979	$0.77 - $1.05
14	The Quarry	3	1,537	$3,217 - $4,876	$2.09 - $3.17
15	Marble Cliff Commons	2	1,615 - 1,732	$2,274 - $2,317	$1.34 - $1.41
17	River Oaks	2	1,448	$1,883 - $2,028	$1.30 - $1.40
21	Lincoln Village Apts.	1	820	$1,130 - $1,180	$1.38 - $1.44
26	Wheatland Crossing II	1.5	1,180	$558 - $1,105	$0.47 - $0.94
28	Trabue Crossing	2.5	1,120 - 1,229	$1,228	$1.00 - $1.10
30	Residences at Breckenridge	2	1,189	$1,644	$1.38
33	Hilltop Homes I	1.5	1,340 - 1,471	$642 - $1,020	$0.48 - $0.69
34	Hilliard Summit	2.5	1,510	$2,484 - $3,429	$1.65 - $2.27
37	Hilliard Park	2.5	1,340	$2,059 - $2,654	$1.54 - $1.98
45	Bayside Commons I	2	1,001	$1,387 - $1,487	$1.39 - $1.49
		2.5	1,235	$1,724 - $2,044	$1.40 - $1.66
46	Bayside Commons II	2.5	1,235	$1,724 - $1,984	$1.40 - $1.61
47	Bayside Commons III	2 to 2.5	1,001 - 1,145	$1,774	$1.55 - $1.77

Project Type

- Market-rate
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Three-Bedroom Units					
Map ID	Project Name	Baths	Unit Size	Gross Rent	$ / Square Foot
48	Glenchester Lakes	2.5	1,400	$1,760	$1.26
54	Willow Bend Twnhms.	2	1,160	$1,078 - $1,113	$0.93 - $0.96
		2.5	1,250	$1,174	$0.94
55	Gables West	2	1,245	$1,756	$1.41
57	Country Ridge Apts.	2.5	1,031	$1,299	$1.26
58	Hilliard Place	2.5	1,670 - 1,724	$2,310 - $2,390	$1.38 - $1.39
62	Heritage Green	2 to 2.5	1,500	$2,504 - $3,781	$1.67 - $2.52
Four Bedroom Units					
Map ID	Project Name	Baths	Unit Size	Gross Rent	$ / Square Foot
5	Whispering Creek Apts.	2	1,545	$1,630	$1.06
33	Hilltop Homes I	2	1,236 - 1,534	$752 - $1,140	$0.61 - $0.74

Project Type

- Market-rate
- Market-rate/Tax Credit
- Market-rate/Government-subsidized
- Senior Restricted
- Market-rate/Tax Credit/Government-subsidized
- Tax Credit
- Tax Credit/Government-subsidized
- Government-subsidized

Average Gross Rent Per Square Foot

Market-Rate			
Unit Type	One-Br	Two-Br	Three-Br
Garden	$1.75	$1.55	$1.41
Townhouse	$0.00	$1.61	$1.68

Tax Credit (Non-Subsidized)			
Unit Type	One-Br	Two-Br	Three-Br
Garden	$1.36	$1.19	$1.06
Townhouse	$0.00	$1.05	$0.99

Combined			
Unit Type	One-Br	Two-Br	Three-Br
Garden	$1.74	$1.53	$1.31
Townhouse	$0.00	$1.59	$1.43

Tax Credit Units

One-Bedroom Units						
Map ID	Project Name	Units	Square Feet	Baths	% AMI	Collected Rent
26	Wheatland Crossing II	1	658	1	30%	$382
♦ 25	Wheatland Crossing I	2	750	1	35%	$568
6	Wildwood Village	4	579	1	60%	$584
6	Wildwood Village	66	579 - 599	1	60%	$675
26	Wheatland Crossing II	11	658 - 701	1	50%	$683
26	Wheatland Crossing II	3	673	1	60%	$775
♦ 25	Wheatland Crossing I	8	750	1	50%	$782
♦ 25	Wheatland Crossing I	11	750	1	60%	$798
♦ 35	Lincoln Gardens Apts.	52	659	1	50%	$823
♦ 35	Lincoln Gardens Apts.	6	472	1	35%	$823
3	Pine Crossing	10	650	1	60%	$879
♦ 9	Sturbridge Green	50	589 - 650	1	60%	$883
5	Whispering Creek Apts.	52	712	1	60%	$917

Two-Bedroom Units						
Map ID	Project Name	Units	Square Feet	Baths	% AMI	Collected Rent
26	Wheatland Crossing II	5	859	1	30%	$444
6	Wildwood Village	4	781	1	60%	$585
♦ 25	Wheatland Crossing I	3	900	1	35%	$680
6	Wildwood Village	10	781	1	60%	$680
♦ 35	Lincoln Gardens Apts.	18	717	1	60%	$755
♦ 35	Lincoln Gardens Apts.	19	659	1	60%	$755
21	Lincoln Village Apts.	4	653	1	60%	$800
6	Wildwood Village	46	838	1	60%	$814
6	Wildwood Village	96	838	1	60%	$829
26	Wheatland Crossing II	6	917	1	50%	$844
26	Wheatland Crossing II	28	917	1	60%	$875
57	Country Ridge Apts.	8	848 - 888	1	50%	$902
26	Wheatland Crossing II	2	1,043	1	60%	$917
♦ 25	Wheatland Crossing I	10	900	1	60%	$927
♦ 25	Wheatland Crossing I	8	900	1	50%	$942
3	Pine Crossing	59	850	1	60%	$1,024
57	Country Ridge Apts.	12	848 - 888	1	60%	$1,025
57	Country Ridge Apts.	10	848 - 888	1	50%	$1,050 - $1,190
5	Whispering Creek Apts.	84	1,038	2	60%	$1,080
57	Country Ridge Apts.	18	848 - 888	1	60%	$1,150

♦ - Senior Restricted

Three-Bedroom						
Map ID	Project Name	Units	Square Feet	Baths	% AMI	Collected Rent
33	Hilltop Homes I	1	1,340	1.5	35%	$412
26	Wheatland Crossing II	1	1,180	1.5	30%	$458
6	Wildwood Village	4	845	1.5	60%	$586
33	Hilltop Homes I	18	1,340 - 1,471	1.5	50%	$790
21	Lincoln Village Apts.	6	820	1	60%	$900 - $950
6	Wildwood Village	14	935	1.5	60%	$900
26	Wheatland Crossing II	2	1,180	1.5	50%	$928
54	Willow Bend Twnhms.	30	1,160	2	60%	$950 - $985
26	Wheatland Crossing II	5	1,180	1.5	60%	$1,005
54	Willow Bend Twnhms.	62	1,250	2.5	60%	$1,025
6	Wildwood Village	28	935	1.5	60%	$1,036
28	Trabue Crossing	10	1,120 - 1,229	2.5	50%	$1,040
28	Trabue Crossing	5	1,120 - 1,229	2.5	30%	$1,040
28	Trabue Crossing	11	1,120 - 1,229	2.5	50%	$1,040
28	Trabue Crossing	8	1,120 - 1,229	2.5	60%	$1,040
28	Trabue Crossing	12	1,120 - 1,229	2.5	60%	$1,040
28	Trabue Crossing	6	1,120 - 1,229	2.5	30%	$1,040
57	Country Ridge Apts.	2	1,031	2.5	50%	$1,150
57	Country Ridge Apts.	19	1,031	2.5	60%	$1,150
5	Whispering Creek Apts.	36	1,304	2	60%	$1,224
3	Pine Crossing	10	1,050	1.5	60%	$1,281
57	Country Ridge Apts.	27	1,031	2.5	60%	$1,441

Four-Bedroom						
Map ID	Project Name	Units	Square Feet	Baths	% AMI	Collected Rent
33	Hilltop Homes I	2	1,236 - 1,244	2	35%	$477
33	Hilltop Homes I	9	1,244 - 1,534	2	50%	$865
5	Whispering Creek Apts.	16	1,545	2	60%	$1,343

Summary of Occupancies By Bedroom Type and AMHI Level

AMHI Level	Studio			One-Bedroom			Two-Bedroom			Three-Bedroom			Four-Bedroom			Total		
	Units	Vacant	Occ Rate	Units	Vacant	Occ Rate	Units	Vacant	Occ Rate	Units	Vacant	Occ Rate	Units	Vacant	Occ Rate	Units	Vacant	Occ Rate
30%				1	0	100.0%	5	0	100.0%	1	0	100.0%				**7**	**0**	**100.0%**
35%				2	0	100.0%	3	0	100.0%	1	0	100.0%	2	0	100.0%	**8**	**0**	**100.0%**
50%				8	0	100.0%	22	0	100.0%	18	0	100.0%	9	0	100.0%	**57**	**0**	**100.0%**
50%									0.0%	2	0	100.0%				**2**	**0**	**100.0%**
60%				80	2	97.5%	249	14	94.4%	198	0	100.0%	16	0	100.0%	**543**	**16**	**97.1%**
Total				**91**	**2**	**97.8%**	**279**	**14**	**95.0%**	**220**	**0**	**100.0%**	**27**	**0**	**100.0%**	**617**	**16**	**97.4%**

♦ - Senior Restricted

Quality Rating

Market-Rate Projects and Units								
Quality Rating	Projects	Total Units	Vacancy Rate	Median Rent				
				Studios	One-Br	Two-Br	Three-Br	Four-Br
A	19	4,086	1.8%		$1,340	$1,611	$2,317	
A-	3	1,130	1.1%		$1,069	$1,313	$2,504	
B+	10	1,916	1.7%	$732	$1,077	$1,406		
B	10	2,525	2.4%	$918	$1,120	$1,281	$2,028	
B-	4	566	0.9%	$773	$887	$1,186	$1,724	
C+	1	113	12.4%		$1,086	$1,347	$1,566	
C	2	390	3.1%		$1,237	$1,436	$1,874	

Market-Rate Units by Bedroom, Type and Quality Rating								
Quality Rating	Garden Style Units					Townhome Units		
	Studios	One-Br	Two-Br	Three-Br	Four-Br	One-Br	Two-Br	Three-Br	Four-Br
A	0	1606	2098	96			204	82	
A-		304	556				225	45	
B+	16	676	840				384		
B	20	945	1175	52			292	41	
B-	9	260	176	32			26	63	
C+		17	82	14					
C		66	198				116	10	

Quality Rating

Tax Credit Projects and Units								
Quality Rating	Projects	Total Units	Vacancy Rate	Median Gross Rent				
				Studios	One-Br	Two-Br	Three-Br	Four-Br
A	4	295	0.0%		$1,054	$1,266	$1,461	$1,630
B+	3	69	0.0%			$1,136	$1,020	$1,140
B	1	92	0.0%				$1,174	
C+	2	151	10.6%		$972	$1,135	$979	
C	1	10	0.0%			$969	$1,130	

Tax Credit Units by Bedroom, Type and Quality Rating									
Quality Rating	Garden Style Units					Townhome Units			
	Studios	One-Br	Two-Br	Three-Br	Four-Br	One-Br	Two-Br	Three-Br	Four-Br
A		77	144	36	16		2	20	
B+			20					38	11
B				30				62	
C+		14	63	14			46	14	
C			4					6	

Year Built

Market-rate and Non-Subsidized Tax Credit						
Year Range	Projects	Units	Vacant	Vacancy Rate	Total Units	Distribution
Before 1970	4	282	0	0.0%	282	2.5%
1970 to 1979	4	696	42	6.0%	978	6.1%
1980 to 1989	4	915	38	4.2%	1,893	8.1%
1990 to 1999	15	4,291	35	0.8%	6,184	37.8%
2000 to 2009	8	1,672	42	2.5%	7,856	14.7%
2010 to 2014	3	484	10	2.1%	8,340	4.3%
2015	2	128	5	3.9%	8,468	1.1%
2016	1	44	0	0.0%	8,512	0.4%
2017	3	332	5	1.5%	8,844	2.9%
2018	2	296	3	1.0%	9,140	2.6%
2019	4	837	27	3.2%	9,977	7.4%
2020	2	455	2	0.4%	10,432	4.0%
2021	4	719	13	1.8%	11,151	6.3%
2022*	1	192	6	3.1%	11,343	1.7%
Total	**57**	**11,343**	**228**	**2.0%**	**11,343**	**100.0 %**

Year Renovated

Market-rate and Non-Subsidized Tax Credit						
Year Range	Projects	Units	Vacant	Vacancy Rate	Total Units	Distribution
Before 1970	0	0	0	0.0%	0	0.0%
1970 to 1979	0	0	0	0.0%	0	0.0%
1980 to 1989	0	0	0	0.0%	0	0.0%
1990 to 1999	1	192	30	15.6%	192	2.9%
2000 to 2009	6	1,086	23	2.1%	1,278	16.6%
2010 to 2014	6	977	3	0.3%	2,255	14.9%
2015	4	652	10	1.5%	2,907	10.0%
2016	2	776	12	1.5%	3,683	11.9%
2017	0	0	0	0.0%	3,683	0.0%
2018	4	2,010	41	2.0%	5,693	30.7%
2019	2	324	1	0.3%	6,017	5.0%
2020	1	240	5	2.1%	6,257	3.7%
2021	1	288	0	0.0%	6,545	4.4%
2022*	0	0	0	0.0%	6,545	0.0%
Total	**27**	**6,545**	**125**	**1.9%**	**6,545**	**100.0 %**

Note: The upper table (Year Built) includes all of the units included in the lower table.

* As of January 2023

Appliances and Unit Amenities

Appliances			
Appliance	Projects	Percent	Units*
Range	57	100.0%	11,343
Refrigerator	57	100.0%	11,343
Icemaker	17	29.8%	3,221
Dishwasher	56	98.2%	11,271
Disposal	57	100.0%	11,343
Microwave	33	57.9%	5,906
Pantry	18	31.6%	3,638
Unit Amenities			
Amenity	Projects	Percent	Units*
AC - Central	52	91.2%	10,705
AC - Window	5	8.8%	638
Floor Covering	57	100.0%	11,343
Washer/Dryer	24	42.1%	6,015
Washer/Dryer Hook-Up	55	96.5%	10,952
Patio/Deck/Balcony	49	86.0%	8,978
Ceiling Fan	31	54.4%	6,119
Fireplace	6	10.5%	2,376
Basement	4	7.0%	627
Security	3	5.3%	528
Window Treatments	57	100.0%	11,343
Furnished Units	2	3.5%	140
Storage	19	33.3%	3,200
Walk-In Closets	33	57.9%	7,395

* - Does not include units where appliances/amenities are optional; Only includes market-rate or non-government subsidized Tax Credit.

Project Amenities

Project Amenities			
Amenity	Projects	Percent	Units
Pool	43	75.4%	10,338
On-site Mangement	55	96.5%	11,265
Laundry	18	31.6%	3,449
Clubhouse	37	64.9%	8,899
Community Space	43	75.4%	9,778
Fitness Center	34	59.6%	7,969
Hot Tub/Sauna	1	1.8%	188
Playground	13	22.8%	1,901
Computer/Business Center	26	45.6%	6,410
Sports Court(s)	8	14.0%	2,453
Storage	9	15.8%	1,070
Water Features	25	43.9%	6,157
Elevator	6	10.5%	1,038
Security	15	26.3%	3,555
Car Wash Area	3	5.3%	1,299
Outdoor Areas	43	75.4%	9,322
Services	13	22.8%	1,928
Community Features	19	33.3%	4,410
Library/DVD Library	0	0.0%	
Movie Theater	10	17.5%	2,805

Utility Distribution

Utility (Responsibility)	Number of Projects	Number of Units	Distribution of Units
Heat			
Landlord			
Electric	4	201	1.7%
Gas	2	328	2.7%
Tenant			
Electric	43	9,412	78.6%
Gas	13	2,030	17.0%
			100.0%
Cooking Fuel			
Landlord			
Electric	4	201	1.7%
Gas	1	272	2.3%
Tenant			
Electric	53	11,121	92.9%
Gas	4	377	3.1%
			100.0%
Hot Water			
Landlord			
Electric	4	201	1.7%
Gas	2	328	2.7%
Tenant			
Electric	42	9,312	77.8%
Gas	14	2,130	17.8%
			100.0%
Electric			
Landlord	3	159	1.3%
Tenant	59	11,812	98.7%
			100.0%
Water			
Landlord	18	2,444	20.4%
Tenant	44	9,527	79.6%
			100.0%
Sewer			
Landlord	20	2,948	24.6%
Tenant	42	9,023	75.4%
			100.0%
Trash Pick Up			
Landlord	47	8,591	71.8%
Tenant	15	3,380	28.2%
			100.0%

Utility Allowance

Br	Unit Type	Heating				Hot Water		Cooking		Electric	Water	Sewer	Trash	Cable
		Gas	Electric	Steam	Other	Gas	Electric	Gas	Electric					
0	Garden	$35	$21		$61	$3	$8	$1	$5	$34	$32	$11	$16	$35
1	Garden	$36	$25		$72	$5	$17	$2	$7	$45	$32	$11	$16	$35
1	Townhouse	$44	$44		$126	$5	$17	$2	$7	$48	$32	$11	$16	$35
2	Garden	$38	$29		$82	$8	$27	$2	$9	$56	$49	$16	$16	$35
2	Townhouse	$47	$51		$144	$8	$27	$2	$9	$65	$49	$16	$16	$35
3	Garden	$39	$33		$93	$10	$36	$3	$11	$68	$67	$22	$16	$35
3	Townhouse	$49	$59		$163	$10	$36	$3	$11	$79	$67	$22	$16	$35
4	Garden	$42	$38		$104	$13	$45	$3	$13	$78	$85	$28	$16	$35
4	Townhouse	$52	$66		$182	$13	$45	$3	$13	$94	$85	$28	$16	$35

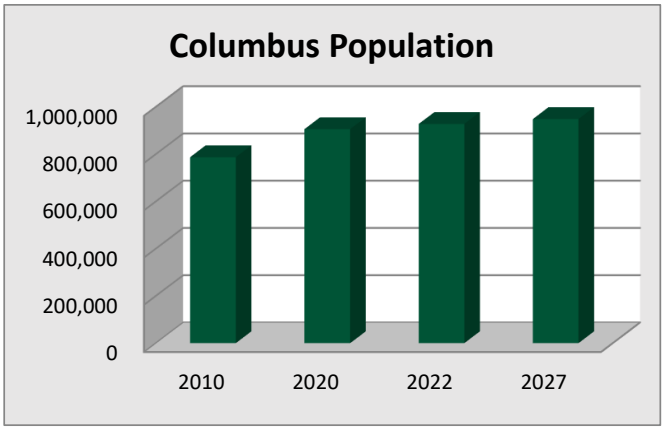
OH-Columbus (4/2022)

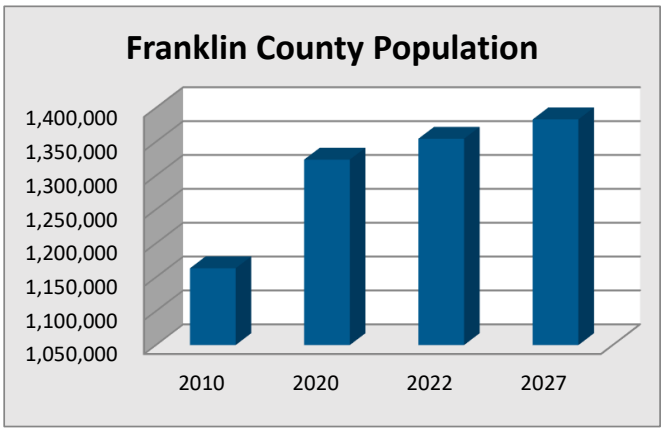
Addendum B. Area Demographics

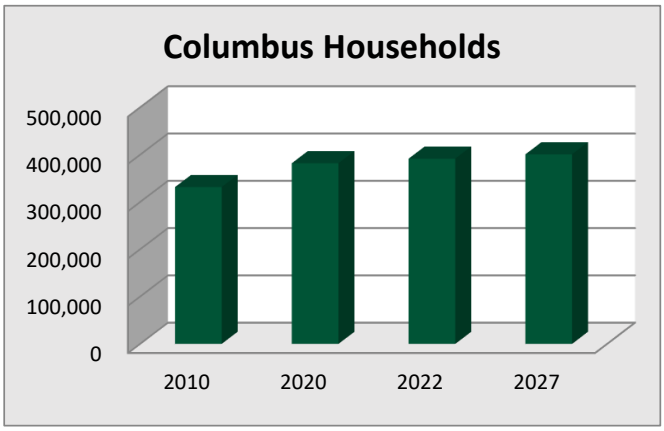
A. Population and Household Overview

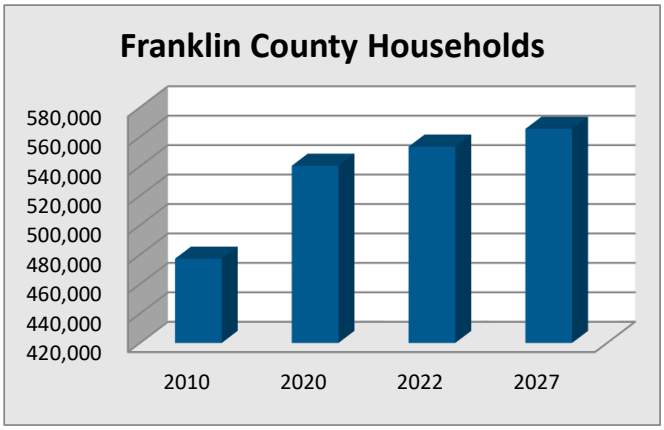
Columbus			Franklin County	
Population	Households	Year	Population	Households
787,033	331,602	**2010 Census**	1,163,414	477,235
905,748	382,038	**2020 Census**	1,323,807	540,369
15.1%	15.2%	**% Change 2010-2020**	13.8%	13.2%
11,872	5,044	**Average Annual Change**	16,039	6,313
927,791	391,613	**2022 Estimate**	1,354,579	553,310
948,572	400,873	**2027 Projection**	1,383,219	565,396
2.2%	2.4%	**% Change 2022-2027**	2.1%	2.2%
4,156	1,852	**Average. Annual Change**	5,728	2,417

Source: 2010 Census, 2020 Census, ESRI





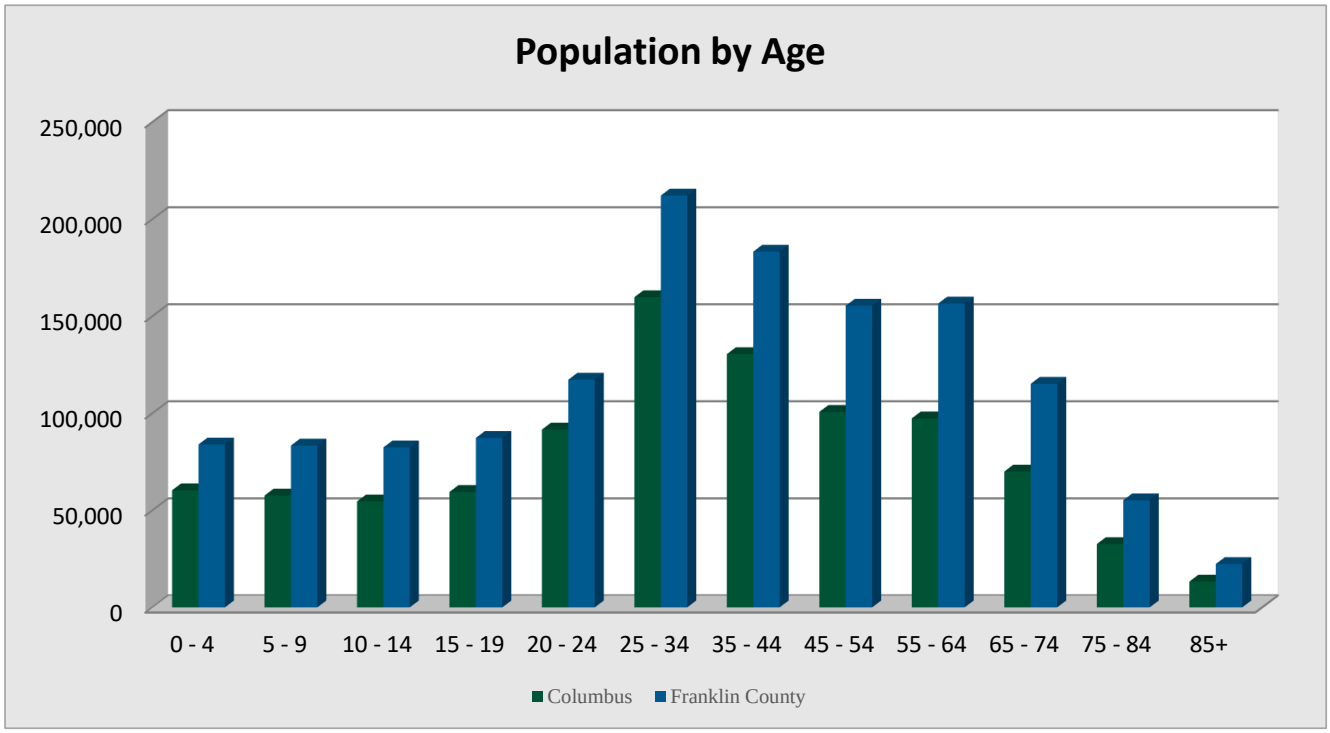




B. Population Demographics

Population by Age				
Columbus			Franklin County	
Number	Percent	Age Range (2022)	Number	Percent
60,309	6.5%	**0 - 4**	83,927	6.2%
57,599	6.2%	**5 - 9**	83,368	6.2%
54,576	5.9%	**10 - 14**	82,434	6.1%
59,467	6.4%	**15 - 19**	87,330	6.4%
91,600	9.9%	**20 - 24**	117,326	8.7%
159,808	17.2%	**25 - 34**	212,164	15.7%
130,485	14.1%	**35 - 44**	183,281	13.5%
100,703	10.9%	**45 - 54**	155,427	11.5%
97,360	10.5%	**55 - 64**	156,560	11.6%
69,987	7.5%	**65 - 74**	115,212	8.5%
32,621	3.5%	**75 - 84**	55,194	4.1%
13,276	1.4%	**85+**	22,356	1.7%
927,791	100.0%	**Total**	1,354,579	100.0%

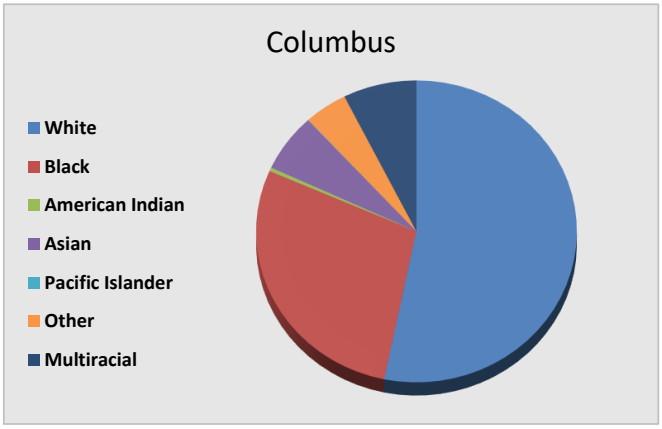
Source: 2010 Census, ESRI

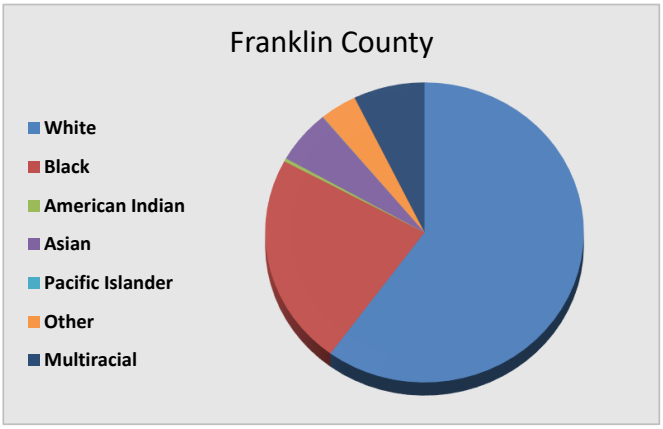


Populaton by Single Race				
Columbus			Franklin County	
Number	Percentage	Race (2022)	Number	Percentage
493,766	53.2%	White	813,337	60.0%
262,794	28.3%	Black	309,119	22.8%
3,750	0.4%	American Indian	4,762	0.4%
57,667	6.2%	Asian	77,543	5.7%
387	0.0%	Pacific Islander	517	0.0%
40,621	4.4%	Other	51,209	3.8%
68,806	7.4%	Multiracial	98,092	7.2%
927,791	100.0%	Total	1,354,579	100.0%
72,731	7.8%	Hispanic *	94,503	7.0%

Source: 2020 Census, ESRI

* Hispanic can refer to any race.





Population by Household Type				
Columbus			Franklin County	
Number	Percentage	Composition (2010)	Number	Percentage
540,245	68.3%	Family Households	847,878	72.9%
229,835	29.1%	Nonfamily Households	290,312	25.0%
20,623	2.6%	Group Qrtrs	25,224	2.2%
790,703	100.0%	Total	1,163,414	100.0%

Source: 2010 Census, ESRI

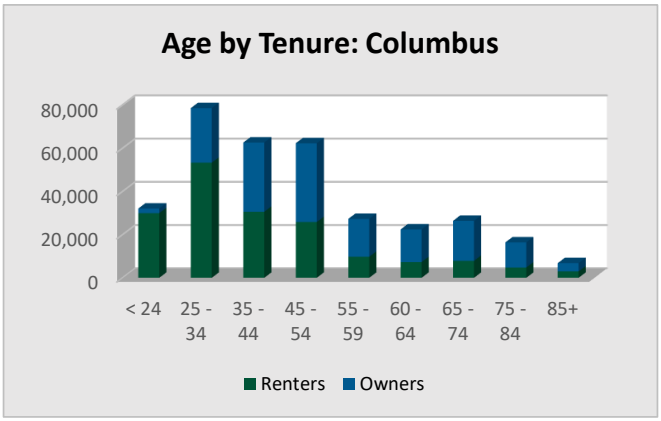
C. Household Demographics

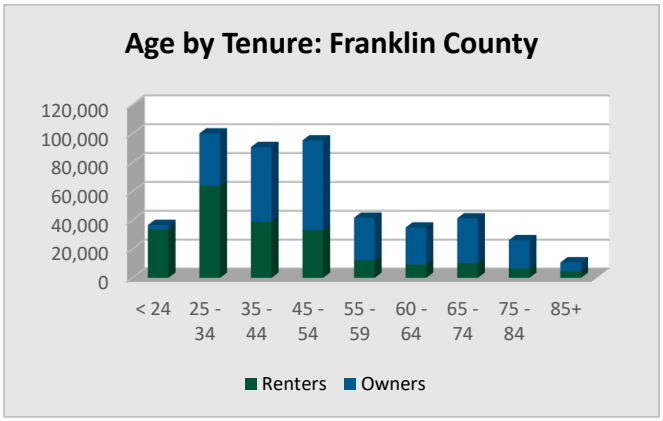
Age by Tenure: Renters				
Columbus			Franklin County	
Number	Percentage	Age Range (2010)	Number	Percentage
29,910	17.4%	**< 24 Years**	33,689	15.8%
53,290	31.0%	**25 - 34 Years**	63,921	30.1%
30,543	17.7%	**35 - 44 Years**	38,962	18.3%
25,809	15.0%	**45 - 54 Years**	33,103	15.6%
9,763	5.7%	**55 - 59 Years**	12,331	5.8%
7,278	4.2%	**60 - 64 Years**	9,317	4.4%
7,830	4.5%	**65 - 74 Years**	10,247	4.8%
4,736	2.8%	**75 - 84 Years**	6,735	3.2%
2,963	1.7%	**85+ Years**	4,347	2.0%
172,122	100.0%	**Total**	212,652	100.0%

Source: 2010 Census, ESRI

Age by Tenure: Owners				
Columbus			Franklin County	
Number	Percentage	Age Range (2010)	Number	Percentage
2,129	1.3%	**< 24 Years**	2,927	1.1%
25,228	15.5%	**25 - 34 Years**	36,182	13.7%
32,034	19.7%	**35 - 44 Years**	51,714	19.5%
36,453	22.4%	**45 - 54 Years**	62,152	23.5%
17,488	10.8%	**55 - 59 Years**	29,351	11.1%
15,123	9.3%	**60 - 64 Years**	25,552	9.7%
18,508	11.4%	**65 - 74 Years**	31,007	11.7%
11,630	7.2%	**75 - 84 Years**	19,352	7.3%
3,837	2.4%	**85+ Years**	6,346	2.4%
162,430	100.0%	**Total**	264,583	100.0%

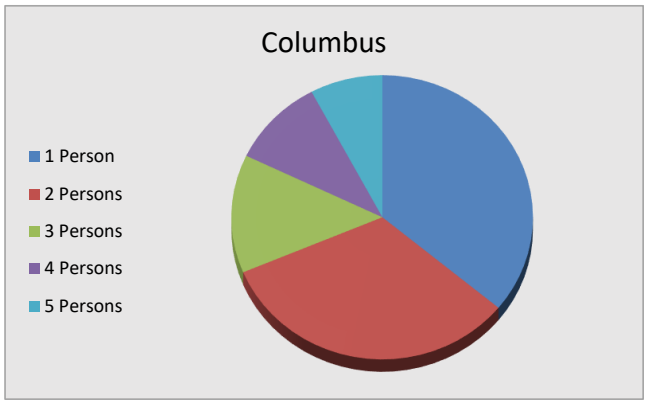
Source: 2010 Census, ESRI

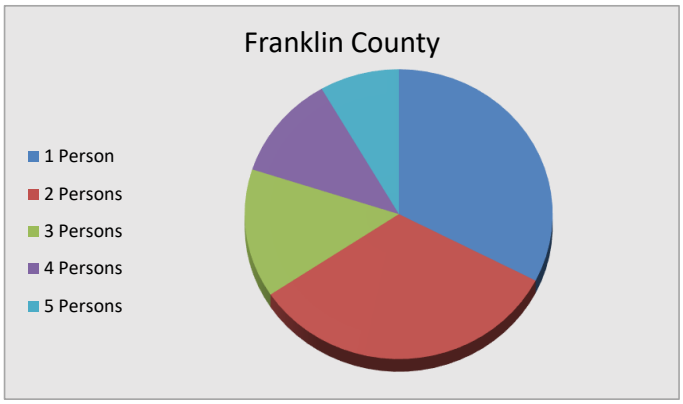




Household Size				
Columbus			Franklin County	
Number	Percentage	Size (2022)	Number	Percentage
140,922	36.0%	**1 Person**	180,254	32.6%
127,997	32.7%	**2 Persons**	182,934	33.1%
52,670	13.4%	**3 Persons**	79,445	14.4%
39,572	10.1%	**4 Persons**	64,465	11.7%
30,452	7.8%	**5 Persons**	46,212	8.4%
391,613	100.0%	**Total**	553,310	100.0%

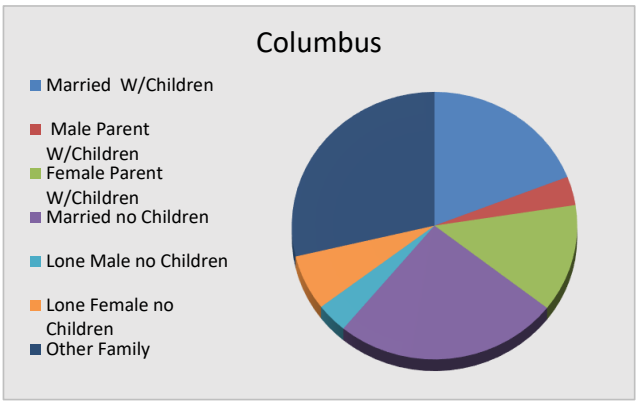
Source: Census, ESRI

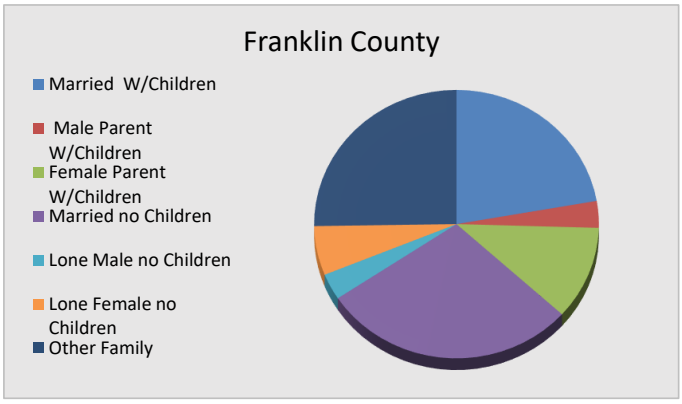




Household Composition				
Columbus			Franklin County	
Number	Percentage	Composition (2010)	Number	Percentage
46,274	19.1%	**Married W/Children**	80,865	22.2%
8,423	3.5%	**Male Parent W/Children**	11,700	3.2%
31,602	13.0%	**Female Parent W/Children**	41,038	11.3%
61,842	25.5%	**Married no Children**	105,353	29.0%
8,710	3.6%	**Lone Male no Children**	11,498	3.2%
16,221	6.7%	**Lone Female no Children**	21,545	5.9%
69,696	28.7%	**Other Family**	91,812	25.2%
242,768	100.0%	**Total**	363,811	100.0%

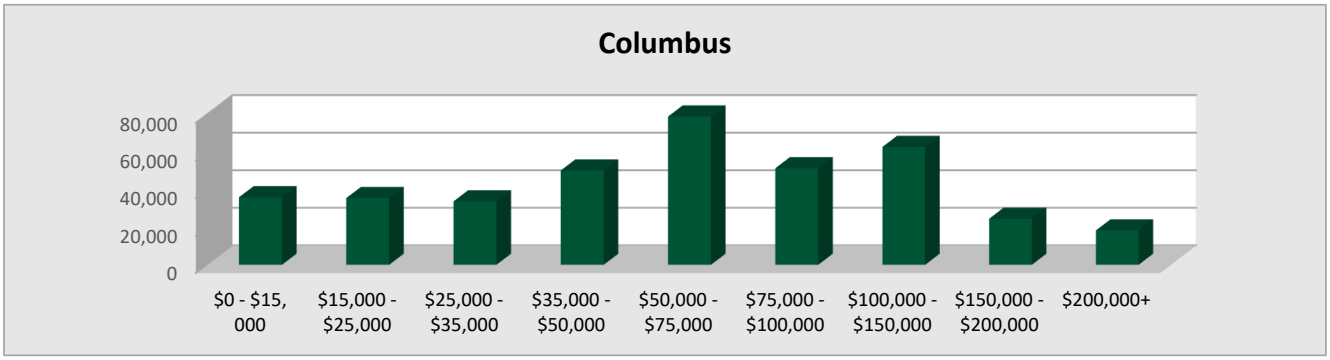
Source: 2010 Census, ESRI

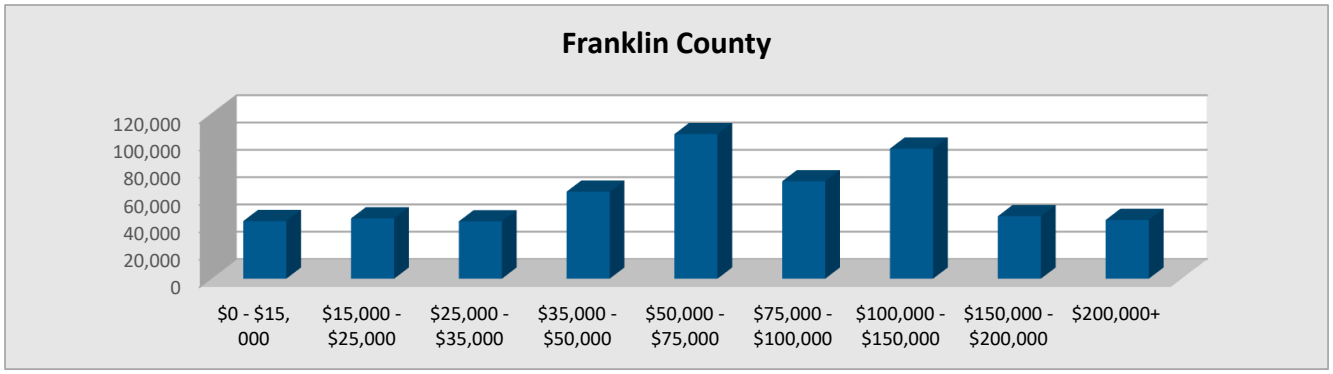




Households by Income				
Columbus			Franklin County	
Number	Percentage	Income Range (2022)	Number	Percentage
35,970	9.2%	**$0 - $15, 000**	42,191	7.6%
35,565	9.1%	**$15,000 - $25,000**	44,165	8.0%
33,806	8.6%	**$25,000 - $35,000**	41,976	7.6%
50,241	12.8%	**$35,000 - $50,000**	63,729	11.5%
78,969	20.2%	**$50,000 - $75,000**	105,889	19.1%
51,418	13.1%	**$75,000 - $100,000**	71,323	12.9%
62,784	16.0%	**$100,000 - $150,000**	95,244	17.2%
24,551	6.3%	**$150,000 - $200,000**	45,756	8.3%
18,308	4.7%	**$200,000+**	43,035	7.8%
391,612	100.0%	**Total**	553,308	100.0%

Source: 2010 Census, ESRI, 2016-2020 ACS





D. Housing Structure Data

Rented Households by Year Built				
Columbus		Year Built	Franklin County	
Number	Percentage	(2016-2020 ACS)	Number	Percentage
9,939	5.0%	**Built 2014 or Later**	12,683	5.3%
8,290	4.1%	**Built 2010 - 2013**	9,901	4.1%
20,278	10.1%	**Built 2000 - 2009**	23,090	9.6%
30,649	15.3%	**Built 1990 - 1999**	35,253	14.6%
28,725	14.4%	**Built 1980 - 1989**	33,704	14.0%
32,415	16.2%	**Built 1970 - 1979**	40,237	16.7%
23,179	11.6%	**Built 1960 - 1969**	28,722	11.9%
19,248	9.6%	**Built 1950 - 1959**	25,629	10.6%
8,120	4.1%	**Built 1940 - 1949**	9,650	4.0%
19,093	9.5%	**Built 1939 or Earlier**	21,878	9.1%
199,936	100.0%	**Total**	240,747	100.0%

Source: 2016-2020 ACS

Owned Households by Year Built				
Columbus		Year Built	Franklin County	
Number	Percentage	(2016-2020 ACS)	Number	Percentage
2,649	1.6%	**Built 2014 or Later**	5,144	1.8%
3,255	2.0%	**Built 2010 - 2013**	5,449	2.0%
22,301	13.7%	**Built 2000 - 2009**	37,002	13.3%
26,970	16.6%	**Built 1990 - 1999**	44,824	16.1%
20,558	12.6%	**Built 1980 - 1989**	33,846	12.2%
19,993	12.3%	**Built 1970 - 1979**	36,591	13.1%
19,481	12.0%	**Built 1960 - 1969**	36,552	13.1%
18,791	11.6%	**Built 1950 - 1959**	35,770	12.8%
8,278	5.1%	**Built 1940 - 1949**	12,792	4.6%
20,414	12.5%	**Built 1939 or Earlier**	30,520	11.0%
162,690	100.0%	**Total**	278,490	100.0%

Source: 2016-2020 ACS

Total Households by Year Built				
Columbus		Year Built	Franklin County	
Number	Percentage	(2016-2020 ACS)	Number	Percentage
12,588	3.5%	**Built 2014 or Later**	17,827	3.4%
11,545	3.2%	**Built 2010 - 2013**	15,350	3.0%
42,579	11.7%	**Built 2000 - 2009**	60,092	11.6%
57,619	15.9%	**Built 1990 - 1999**	80,077	15.4%
49,283	13.6%	**Built 1980 - 1989**	67,550	13.0%
52,408	14.5%	**Built 1970 - 1979**	76,828	14.8%
42,660	11.8%	**Built 1960 - 1969**	65,274	12.6%
38,039	10.5%	**Built 1950 - 1959**	61,399	11.8%
16,398	4.5%	**Built 1940 - 1949**	22,442	4.3%
39,507	10.9%	**Built 1939 or Earlier**	52,398	10.1%
362,626	100.0%	**Total**	519,237	100.0%

Source: 2016-2020 ACS

Rented Housing Units by Structure Type				
Columbus		Structure	Franklin County	
Number	Percentage	(2016-2020 ACS)	Number	Percentage
36,946	18.5%	**1 Detached**	49,603	20.6%
18,051	9.0%	**1 Attached**	22,520	9.4%
12,063	6.0%	**2 Units**	15,094	6.3%
32,158	16.1%	**3 - 4 Units**	37,787	15.7%
38,993	19.5%	**5 - 9 Units**	44,492	18.5%
26,431	13.2%	**10 - 19 Units**	29,272	12.2%
15,504	7.8%	**20 - 49 Units**	17,966	7.5%
18,954	9.5%	**50+ Units**	22,781	9.5%
810	0.4%	**Mobile Home**	1,184	0.5%
26	0.0%	**Other**	48	0.0%
199,936	100.0%	**Total**	240,747	100.0%

Source: 2016-2020 ACS

Owned Housing Units by Structure Type				
Columbus		Structure	Franklin County	
Number	Percentage	(2016-2020 ACS)	Number	Percentage
135,098	83.0%	**1 Detached**	239,196	85.9%
17,346	10.7%	**1 Attached**	24,699	8.9%
1,125	0.7%	**2 Units**	1,326	0.5%
2,499	1.5%	**3 - 4 Units**	3,572	1.3%
2,411	1.5%	**5 - 9 Units**	3,108	1.1%
750	0.5%	**10 - 19 Units**	809	0.3%
754	0.5%	**20 - 49 Units**	872	0.3%
899	0.6%	**50+ Units**	1,303	0.5%
1,629	1.0%	**Mobile Home**	3,417	1.2%
179	0.1%	**Other**	188	0.1%
162,690	100.0%	**Total**	278,490	100.0%

Source: 2016-2020 ACS

Total Housing Units by Structure Type				
Columbus		Structure	Franklin County	
Number	Percentage	(2016-2020 ACS)	Number	Percentage
172,044	47.4%	**1 Detached**	288,799	55.6%
35,397	9.8%	**1 Attached**	47,219	9.1%
13,188	3.6%	**2 Units**	16,420	3.2%
34,657	9.6%	**3 - 4 Units**	41,359	8.0%
41,404	11.4%	**5 - 9 Units**	47,600	9.2%
27,181	7.5%	**10 - 19 Units**	30,081	5.8%
16,258	4.5%	**20 - 49 Units**	18,838	3.6%
19,853	5.5%	**50+ Units**	24,084	4.6%
2,439	0.7%	**Mobile Home**	4,601	0.9%
205	0.1%	**Other**	236	0.0%
362,626	100.0%	**Total**	519,237	100.0%

Source: 2016-2020 ACS

Year Moved-Into Renter-Occupied Household				
Columbus		Year Moved-In	Franklin County	
Number	Percentage	(2016-2020 ACS)	Number	Percentage
20,286	10.1%	**2019 or Later**	24,853	10.3%
106,384	53.2%	**2015 - 2018**	125,714	52.2%
49,245	24.6%	**2010 - 2014**	60,045	24.9%
19,684	9.8%	**2000 - 2009**	24,252	10.1%
2,793	1.4%	**1990 - 1999**	3,812	1.6%
1,544	0.8%	**1989 or Earlier**	2,071	0.9%
199,936	100.0%	**Total**	240,747	100.0%

Source: 2016-2020 ACS

Year Moved Into Owner-Occupied Household				
Columbus		Year Moved-In	Franklin County	
Number	Percentage	(2016-2020 ACS)	Number	Percentage
4,171	2.6%	**2019 or Later**	7,079	2.5%
34,589	21.3%	**2015 - 2018**	55,372	19.9%
28,999	17.8%	**2010 - 2014**	50,085	18.0%
44,323	27.2%	**2000 - 2009**	76,162	27.3%
25,230	15.5%	**1990 - 1999**	44,574	16.0%
25,378	15.6%	**1989 or Earlier**	45,218	16.2%
162,690	100.0%	**Total**	278,490	100.0%

Source: 2016-2020 ACS

Year Moved Into All Households				
Columbus		Year Moved-In	Franklin County	
Number	Percentage	(2016-2020 ACS)	Number	Percentage
24,457	6.7%	**2019 or Later**	31,932	6.1%
140,973	38.9%	**2015 - 2018**	181,086	34.9%
78,244	21.6%	**2010 - 2014**	110,130	21.2%
64,007	17.7%	**2000 - 2009**	100,414	19.3%
28,023	7.7%	**1990 - 1999**	48,386	9.3%
26,922	7.4%	**1989 or Earlier**	47,289	9.1%
362,626	100.0%	**Total**	519,237	100.0%

Source: 2016-2020 ACS

Gross Rent Paid				
Columbus		Gross Rent	Franklin County	
Number	Percentage	(2016-2020 ACS)	Number	Percentage
1,927	1.0%	**Less than $200**	2,166	0.9%
4,396	2.2%	**$200 - $299**	4,662	1.9%
2,608	1.3%	**$300 - $399**	3,161	1.3%
3,210	1.6%	**$400 - $499**	3,836	1.6%
6,722	3.4%	**$500 - $599**	8,140	3.4%
14,017	7.0%	**$600 - $699**	15,873	6.6%
19,061	9.5%	**$700 - $799**	22,420	9.3%
23,499	11.8%	**$800 - $899**	26,826	11.1%
25,355	12.7%	**$900 - $999**	29,942	12.4%
51,276	25.6%	**$1,000 - $1,249**	60,903	25.3%
24,400	12.2%	**$1,250 - $1,499**	30,390	12.6%
14,928	7.5%	**$1,500 - $1,999**	19,644	8.2%
4,846	2.4%	**$2,000+**	7,212	3.0%
3,691	1.8%	**No Cash Rent**	5,572	2.3%
199,936	100.0%	**Total**	240,747	100.0%
$989		**Median Gross Rent**	$1,002	

Source: 2016-2020 ACS

Building Permits for Housing Units: Columbus			
Year	Single Family Structure	Mulit-Family Units	Total
2012	723	3,286	4,009
2013	770	3,565	4,335
2014	724	2,918	3,642
2015	729	3,186	3,915
2016	649	3,071	3,720
2017	650	3,579	4,229
2018	555	3,742	4,297
2019	512	2,258	2,770
2020	834	5,467	6,301
2021	913	3,555	4,468
Total	**7,059**	**34,627**	**41,686**
Percent	**16.9%**	**83.1%**	**100.0%**

Source: SOCDS Building Permits Database

Building Permits for Housing Units: Franklin County			
Year	Single Family Structure	Mulit-Family Units	Total
2012	1,372	3,492	4,864
2013	1,497	4,590	6,087
2014	1,672	3,386	5,058
2015	1,508	3,865	5,373
2016	1,604	4,166	5,770
2017	1,719	4,135	5,854
2018	1,444	4,131	5,575
2019	1,390	2,945	4,335
2020	1,924	6,184	8,108
2021	2,288	4,364	6,652
Total	**16,418**	**41,258**	**57,676**
Percent	**28.5%**	**71.5%**	**100.0%**

E. Total NAICS Business and Employment Statistics

Columbus			Franklin County	
Business	Employees	Category (2022)	Business	Employees
43	148	**11-Agriculture**	95	587
22	218	**21-Mining**	31	308
27	2,752	**22-Utilities**	43	3,120
1,441	17,744	**23-Construction**	2,424	26,906
821	24,355	**31-Manufacturing**	1,342	38,390
774	16,659	**42-Wholesale Trade**	1,240	36,357
3,520	59,446	**44-Retail Trade**	5,257	89,710
675	12,929	**48-Transportation**	982	23,124
660	12,718	**51-Information**	1,001	20,734
1,297	39,584	**52-Finance**	2,418	40,740
1,788	14,409	**53-Real Estate**	2,709	21,078
3,164	58,243	**54-Professional**	4,989	75,406
55	3,287	**55-Management**	90	3,472
1,001	11,644	**56-Administration**	1,652	19,853
854	57,541	**61-Educational Services**	1,383	75,219
2,882	86,466	**62-Health Care**	4,983	117,021
551	9,890	**71-Arts & Entertainment**	885	14,961
2,416	47,214	**72-Accommodation & Food**	3,526	67,177
3,318	29,603	**81-Other Services**	5,079	44,252
694	36,884	**92-Public Administration**	1,053	45,639
2,497	4,449	**99-Nonclassifiable**	3,781	5,713
28,500	546,183	**Total**	44,963	769,767

Source: InfoGroup USA

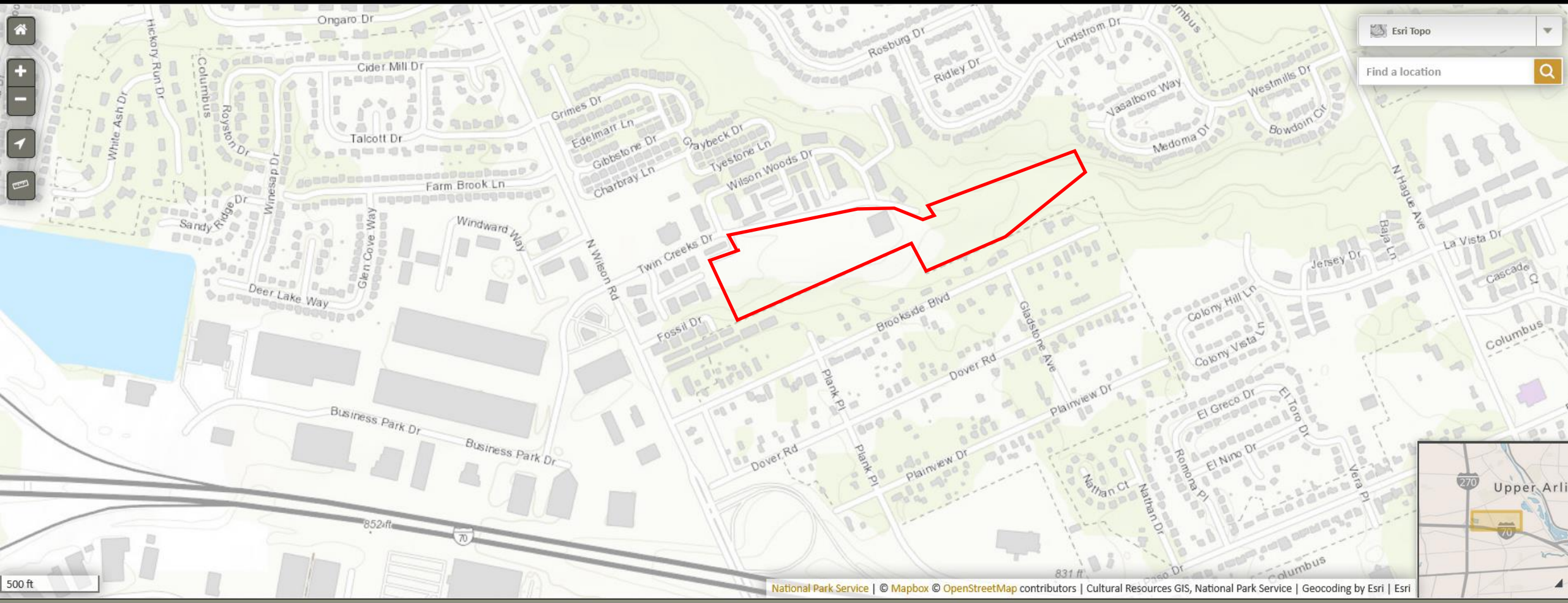
Appendix E -

Historical Preservation Documentation

National Register of Historic Places

Public, non-restricted data depicting National Register spatial data processed by the Cultural Resources GIS facility. Last minor update, September 2020.

National Park Service
U.S. Department of the Interior



August Mack
ENVIRONMENTAL

740.548.1500 ▪ www.augustmack.com
7830 North Central Drive, Suite B ▪ Lewis Center, Ohio 43035

March 26, 2024

Ohio Historic Preservation Office
Attn: Resource Protection and Review Department Head
Resource Protection and Review
800 E. 17th Avenue
Columbus, OH 43211-2497

Re: Request for Section 106 Review
OHFA - HOME FUNDED PROJECT
West Fork Apartments
3400 Twin Creeks Drive
Columbus, Franklin County, Ohio
August Mack Project Number JX2098.721.0019

To Whom It May Concern:

On behalf of the Ohio Housing Finance Agency (OHFA), August Mack Environmental, Inc. (August Mack) requests a Section 106 Review for the proposed new construction of the West Fork Apartments project. The project will involve the new construction of a 6-building housing development consisting of 216 units. The 18.185-acre site is irregularly shaped and consists of two (2) parcels of vegetated land and tennis courts. The development will include a mix of amenity-rich 1, 2, 3, and 4-bedroom units and community features such as a playground, dog park, clubhouse, and outdoor picnic and grilling area. The project will receive HOME funding distributed by the Ohio Housing Finance Agency (OHFA) and the Ohio Department of Development (ODOD).

A field survey was conducted by Mr. Devin Starr of August Mack Environmental on March 6, 2024. The 18.185-acre site is an irregularly shaped lot consisting of wooded and vegetated land with tennis courts on the northern portion. No historically significant features were identified on the site.

The Area of Potential Effects (APE) was determined to include visual range surrounding the project site, which included wooded land to the northeast and east, multi-family residences to the north and west, and single-family residences to the south.

A review of the Ohio History Connection online mapper revealed no identified features within the APE. The closest historical listing is the Hartley Mound located approximately 750-feet northwest of the subject property.

Based on the nature of the project and existing development in the vicinity, the project is not anticipated to adversely impact the surrounding area.

Enclosed are the Section 106 Review Project Summary Form, location maps, photographs, site development plans, and information from OHPO GIS mapping system.

Sincerely,

Devin Starr
Due Diligence Manager
August Mack Environmental, Inc.

OHIO HISTORIC PRESERVATION OFFICE:
RESOURCE PROTECTION AND REVIEW

Section 106 Review - Project Summary Form

For projects requiring a license from the Federal Communications Commission, please use FCC Forms 620 or 621. DO NOT USE THIS FORM.

SECTION 1: GENERAL PROJECT INFORMATION

All contact information provided must include the name, address and phone number of the person listed. Email addresses should also be included, if available. Please refer to the Instructions or contact an OHPO reviewer (mailto:Section106@ohiohistory.org) if you need help completing this Form. Unless otherwise requested, we will contact the person submitting this Form with questions or comments about this project.

Date: March 26, 2024

Name/Affiliation of person submitting form: Devin Starr, August Mack Environmental, Inc.

Mailing Address: 1302 N. Meridian Street, Indianapolis IN 46202

Phone/Fax/Email: dstarr@augustmack.com

A. Project Info:

1. This Form provides information about:
   New Project Submittal:
   YES

   Additional information relating to previously submitted project:
   NO

   OHPO/RPR Serial Number from previous submission:

2. Project Name (if applicable): **West Fork Apartments**

3. Internal tracking or reference number used by Federal Agency, consultant, and/or applicant to identify this project (if applicable): **23-0247**

B. Project Address or vicinity: **3400 Twin Creeks Drive**

C. City/Township: **Columbus**

D. County: **Franklin County**

E. Federal Agency and Agency Contact. *If you do not know the federal agency involved in your project, please contact the party asking you to apply for Section 106 Review, not OHPO, for this information. HUD Entitlement Communities acting under delegated environmental review authority should list their own contact information.*

U.S. Department of Housing and Urban Development (HUD). Agency contact to be determined.

F. Type of Federal Assistance. *List all known federal sources of federal funding, approvals, and permits to avoid repeated reviews.*

HOME Funds distributed by the Ohio Housing Finance Agency and the Ohio Development Services Agency.

G. State Agency and Contact Person (if applicable):

Ohio Housing Finance Agency (OHFA) / Ms. Rachel Nelson, Project Administration Manager. Ohio Department of Development (ODOD) / Jasmin Walton, Environmental Compliance Specialist

H. Type of State Assistance:

HOME Funds distributed by the Ohio Housing Finance Agency and the Ohio Development of Development

I. Is this project being submitted at the direction of a state agency **solely** under Ohio Revised Code 149.53 or at the direction of a State Agency? *Answering yes to this question means that you are sure that no federal funding, permits or approvals will be used for any part of your project, and that you are seeking comments only under ORC 149.53.*

NO

J. Public Involvement- Describe how the public has been/will be informed about this project and its potential to affect historic properties. Please summarize how they will have an opportunity to provide comments about any effects to historic properties. (This step is required for all projects under 36 CFR § 800.2):

A notice of intent of a request for release of funds will be published prior to release of funding and commencement of the project, as required per HUD's environmental review process. The public will have the opportunity to submit comments regarding the project at that time.

K. Please list other consulting parties that you have contacted/will contact about this project, such as Indian Tribes, Certified Local Governments, local officials, property

owners, or preservation groups. (See 36 CFR § 800.2 for more information about involving other consulting parties). Please summarize how they will have an opportunity to provide comments:

N/A

SECTION 2: PROJECT DESCRIPTION AND AREA OF POTENTIAL EFFECTS (APE)

Provide a description of your project, its site, and geographical information. You will also describe your project's Area of Potential Effects (APE). Please refer to the Instructions or contact an OHPO reviewer if you need help with developing the APE or completing this form.

The project will involve the new construction of a 6-building housing development consisting of 216 units. The 18.185-acre site is irregularly-shaped and consists of two (2) parcels of vegetated land and tennis courts. The development will include a mix of amenity-rich 1, 2, 3, and 4-bedroom units and community features such as a playground, dog park, clubhouse, and outdoor picnic and grilling area.

The Area of Potential Effects (APE) was determined to include visual range surrounding the project site, which included wooded land to the northeast and east, multi-family residences to the north and west, and single-family residences to the south.

For challenging projects, provide as much information as possible in all sections, and then check the box in Section 5.A. to ask OHPO to offer preliminary comments or make recommendations about how to proceed with your project consultation. This is recommended if your project involves effects to significant historic properties or if there may be challenging procedural issues related to your project. Please note that providing information to complete all Sections will still be required and that asking OHPO for preliminary comments may tend to delay completion of the review process for some projects.

A. Does this project involve any Ground-Disturbing activity: **YES** NO
(If **Yes**, you must complete all of Section 2.A. If **No**, proceed directly to Section 2. B.)

1. General description of width, length and depth of proposed ground disturbing activity:
The project will consist of six (6) 3-story apartment buildings totaling 216-units. Asphalt parking areas and garages will be located on the western and central portions. A clubhouse and pavilion will be located on the central portion. A pond will be located on the eastern portion. See the attached development plans for detailed information.

2. Narrative description of previous land use and past ground disturbances, if known:
According to an August 2023 Phase I ESA report, the subject property consisted of agricultural land from at least 1938 to 1980, at which time disturbed soil was located on the west and central portions and tennis courts were developed on the northern portion. By 2004 the property consisted of grass-covered land with wooded land on the eastern and western portions. A January 2023 Phase I ESA observed disturbed soil and evidence of dumping on the central portion. Sampling did not indicate impacts to soil above applicable standards. In August 2023, construction debris and piles of soil, asphalt, and unidentified material were present on the central portion.

3. Narrative description of current land use and conditions:
The subject property currently consists of vegetated and wooded land with tennis courts and playground on the northern portion.

4. Does the landowner know of any archaeological resources found on the property?
YES **NO** If yes, please describe:

B. Submit the exact project site location on a USGS 7.5-minute topographic quadrangle map for all projects. Map sections, photocopies of map sections, and online versions of USGS maps are acceptable as long as the location is clearly marked. Show the project's Area of Potential Effects (APE). It should be clearly distinguished from other features shown on the map:
1. USGS Quad Map Name: **Southwest Columbus**

2. Township/City/Village Name: **Scioto Woods/ Columbus**

C. Provide a street-level map indicating the location of the project site; road names must be identified and legible. Your map must show the exact location of the boundaries for the project site. Show the project's Area of Potential Effects (APE). It should be clearly distinguished from other features shown on the map:

D. Provide a verbal description of the APE, including a discussion of how the APE will include

areas with the potential for direct and indirect effects from the project. Explain the steps taken to identify the project's APE, and your justification for the specific boundaries chosen:
The Area of Potential Effects (APE) was determined to include visual range surrounding the project site, which included wooded land to the northeast and east, multi-family residences to the north and west, and single-family residences to the south.

E. Provide a detailed description of the project. This is a critical part of your submission. Your description should be prepared for a cold reader who may not be an expert in this type of project. The information provided must help support your analysis of effects to historic properties, not other types of project impacts. Do not simply include copies of environmental documents or other types of specialized project reports. If there are multiple project alternatives, you should include information about all alternatives that are still under active consideration:
The project will consist of six (6) 3-story apartment buildings totaling 216-units (72 one-bedroom units, 72 two-bedroom units, 36 three-bedroom units, and 36 four-bedroom units). Asphalt parking areas and garages will be located on the western and central portions. Exterior amenities will include a playground, dog park, clubhouse, pavilion, and an outdoor picnic and grilling area. A pond will be located on the eastern portion. Areas on the southwestern and eastern portions will remain wooded.

SECTION 3: IDENTIFICATION OF HISTORIC PROPERTIES

Describe whether there are historic properties located within your project APE. To make that determination, use information generated from your own Background Research and Field Survey. Then choose one of the following options to report your findings. Please refer to the Instructions and/or contact an OHPO reviewer if you are unsure about how to identify historic properties for your project.

If you read the Instructions and you're still confused as to which reporting option best fits your project, or you are not sure if your project needs a survey, you may choose to skip this section, but provide as much supporting documentation as possible in all other Sections, then check the box in Section 5.A. to request preliminary comments from OHPO. After reviewing the information provided, OHPO will then offer comments as to which reporting option is best suited to document historic properties for your project. Please note that providing information to complete this Section will still be required and that asking OHPO for preliminary comments may tend to delay completion of the review process for some projects.

Recording the Results of Background Research and Field Survey:

A. **Summary of discussions and/or consultation with OHPO** about this project that demonstrates how the Agency Official and OHPO have agreed that no Field Survey was necessary for this project (typically due to extreme ground disturbance or other special circumstances). Please **attach copies** of emails/correspondence that document this agreement. You must explain how the project's potential to affect both archaeological and historic resources were considered.

B. **A table that includes the minimum information** listed in the OHPO Section 106 Documentation Table (which is generally equivalent to the information found on an inventory form). This information must be printed and mailed with the Project Summary Form. To provide sufficient information to complete this Section, you must also include summary observations from your field survey, background research and eligibility determinations for each property that was evaluated in the project APE.

Surrounding properties within the APE include residential development to the north,

west, and south, and wooded land to the northeast.

C. **OHI (Ohio Historic Inventory) or OAI (Ohio Archaeological Inventory) forms**- New or updated inventory forms may be prepared using the OHI pdf form with data population capabilities, the Internet IForm, or typed on archival quality inventory forms. To provide sufficient information to complete this Section, you must include summary observations from your field survey and background research. You must also include eligibility determinations for each property that was evaluated in the project APE

D. **A historic or archaeological survey report** prepared by a qualified consultant that meets professional standards. The survey report should meet the Secretary of the Interior's Standards and Guidelines for Identification and OHPO Archaeological Guidelines. You may also include new inventory forms with your survey, or update previous inventory forms. To complete this section, your survey report must include summary observations from your field survey, background research and eligibility determinations for each property that was evaluated within the APE.

E. **Project Findings**. Based on the conclusions you reached in completing Section 3, please choose one finding for your project. There are (mark one):
   Historic Properties Present in the APE:
   No Historic Properties Present in the APE: X

SECTION 4: SUPPORTING DOCUMENTATION

This information must be provided for all projects.

A. Photographs must be keyed to a street-level map, and should be included as attachments to this application. Please label all forms, tables and CDs with the date of your submission and project name, as identified in Section 1. You must present enough documentation to clearly show existing conditions at your project site and convey details about the buildings, structures or sites that are described in your submission. Faxed or photocopied photographs are not acceptable. See Instructions for more info about photo submissions or 36 CFR § 800.11 for federal documentation standards.
   1. Provide photos of the entire project site and take photos to/from historic properties from/towards your project site to support your determination of effect in Section 5.
   2. Provide current photos of all buildings/structures/sites described.

B. Project plan, specifications, site drawings and any other media presentation that conveys detailed information about your project and its potential to affect historic properties.

C. Copies or summaries of any comments provided by consulting parties or the public.

SECTION 5: DETERMINATION OF EFFECT

A. **Request Preliminary Comments.** For challenging projects, provide as much information as possible in previous sections and ask OHPO to offer preliminary comments or make recommendations about how to proceed with your project consultation. This is recommended if your project involves effects to significant historic properties, if the public has concerns about your project's potential to affect historic properties, or if there may be challenging procedural issues related to your project. Please be aware that providing information in all Sections will still be

required and that asking OHPO for preliminary comments may tend to delay completion of the review process for some projects.

1. We request preliminary comments from OHPO about this project:
   YES **NO**

2. Please specify as clearly as possible the particular issues that you would like OHPO to examine for your project (for example- help with developing an APE, addressing the concerns of consulting parties, survey methodology, etc.):

B. **Determination of Effect.** If you believe that you have gathered enough information to conclude the Section 106 process, you may be ready to make a determination of effect and ask OHPO for concurrence, while considering public comments. Please select and mark one of the following determinations, then explain the basis for your decision on an attached sheet of paper:

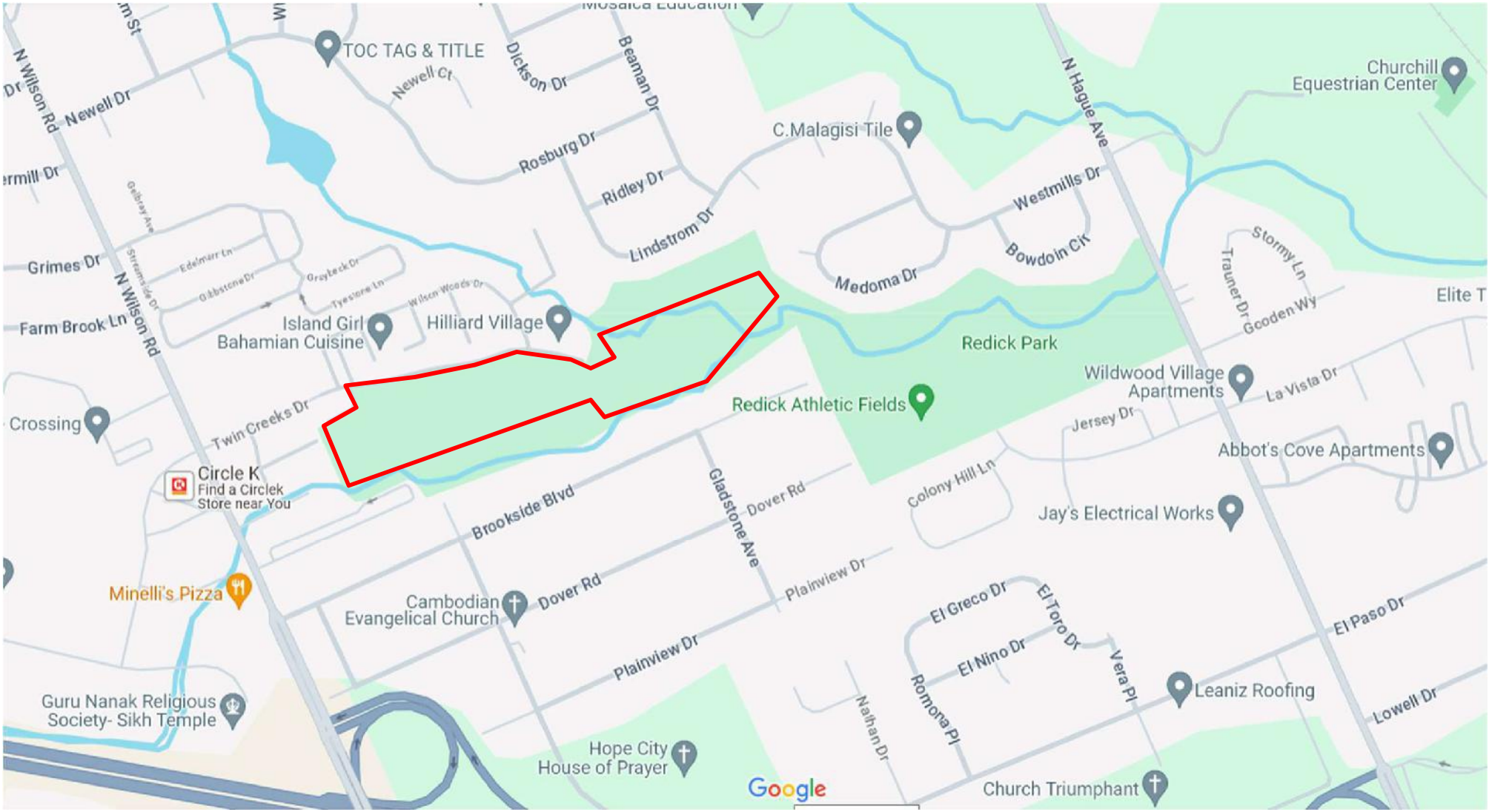
X No historic properties will be affected based on 36 CFR § 800.4(d) (1). Please explain how you made this determination:

The field survey, review of historical sources and review of SHPO-provided information did not reveal historic features on the site or within the APE.

No Adverse Effect [36 CFR § 800.5(b)] on historic properties. This finding cannot be used if there are no historic properties present in your project APE. Please explain why the Criteria of Adverse Effect, [36 CFR Part 800.5(a) (1)], were found not to be applicable for your project:

Adverse Effect [36 CFR § 800.5(d) (2)] on historic properties. Please explain why the criteria of adverse effect, [36 CFR Part 800.5(a) (1)], were found to be applicable to your project. You may also include an explanation of how these adverse effects might be avoided, reduced or mitigated:

Please send completed form and supporting documentation to our office through the section106@ohiohistory.org e-mail address. Note that file size is limited to 30 MB. The Ohio SHPO has a federally mandated review time of 30 calendar day. To check your submission was received and logged in for our review, please visit https://www.ohiohistory.org/preserve/state-historic-preservation-office/hpreviews/section-106-project-status.



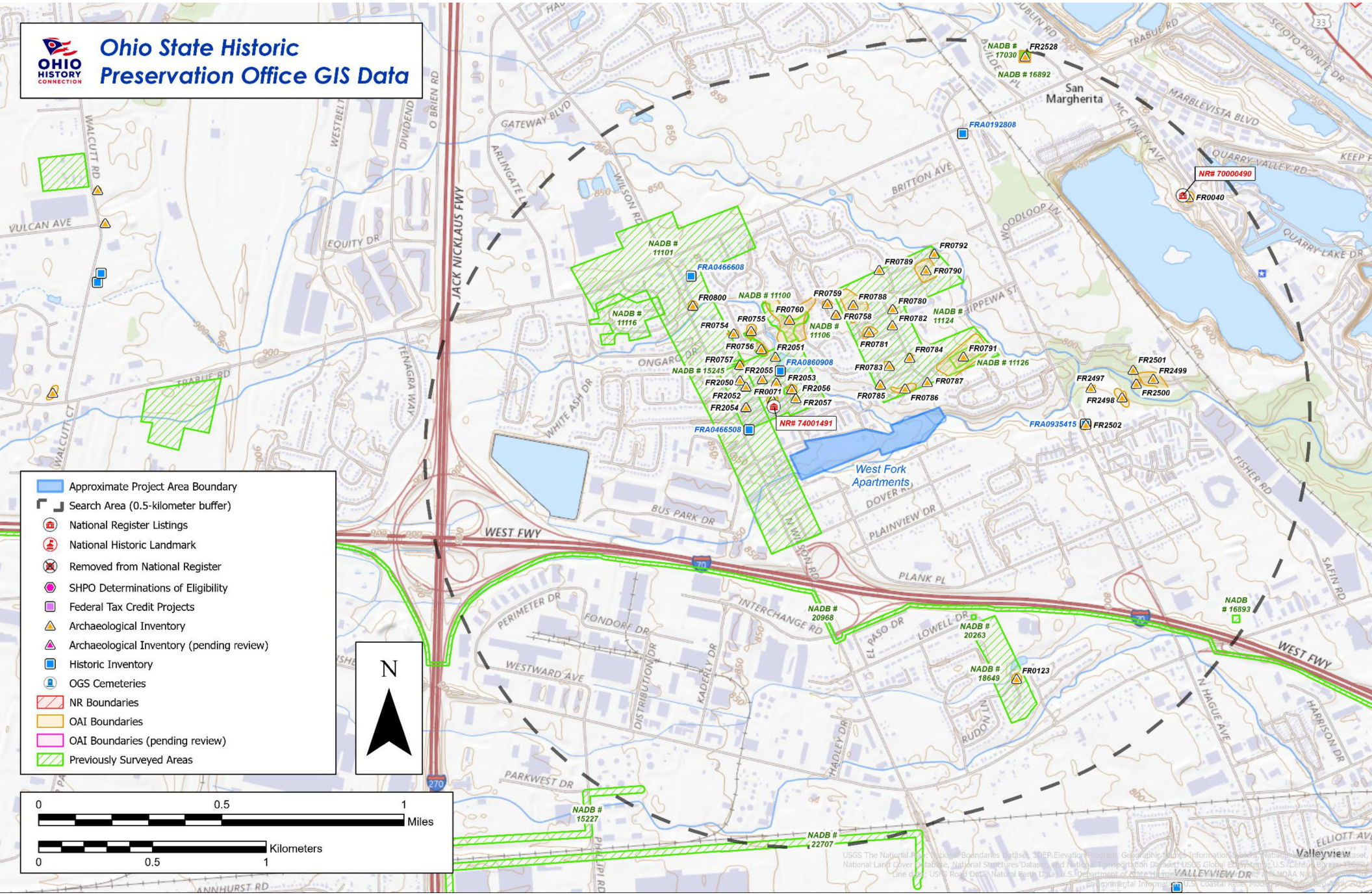
August Mack ENVIRONMENTAL

STREET LEVEL MAP
West Fork Apartments
3400 Twin Creeks Drive
Columbus, Franklin County, Ohio

PROJECT NO.: JX2098.721.0019

Project Site

N


Ohio State Historic Preservation Office GIS Data
OHIO HISTORY CONNECTION
Approximate Project Area Boundary
Search Area (0.5-kilometer buffer)
National Register Listings
National Historic Landmark
Removed from National Register
SHPO Determinations of Eligibility
Federal Tax Credit Projects
Archaeological Inventory
Archaeological Inventory (pending review)
Historic Inventory
OGS Cemeteries
NR Boundaries
OAI Boundaries
OAI Boundaries (pending review)
Previously Surveyed Areas
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1
Miles
Kilometers
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0.5
1
JACK NICKLAUS FWY
WEST FWY
GATEWAY BLVD
BRITTON AVE
MARBLEVISTA BLVD
QUARRY VALLEY RD
QUARRY LAKE DR
WOODLOOP LN
SCIOTO POINTE DR
TRABUE RD
MC KINLEY AVE
DUBLIN RD
VULCAN AVE
EQUITY DR
WALCUTT RD
WALCUTT CT
WESTBELT DR
DIVIDEND DR
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ONGARO DR
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BUS PARK DR
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DOVER RD
PLAINVIEW DR
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SAFIN RD
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PERIMETER DR
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WESTWARD AVE
DISTRIBUTION DR
KADERLY DR
HADLEY DR
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EL PASO DR
LOWELL DR
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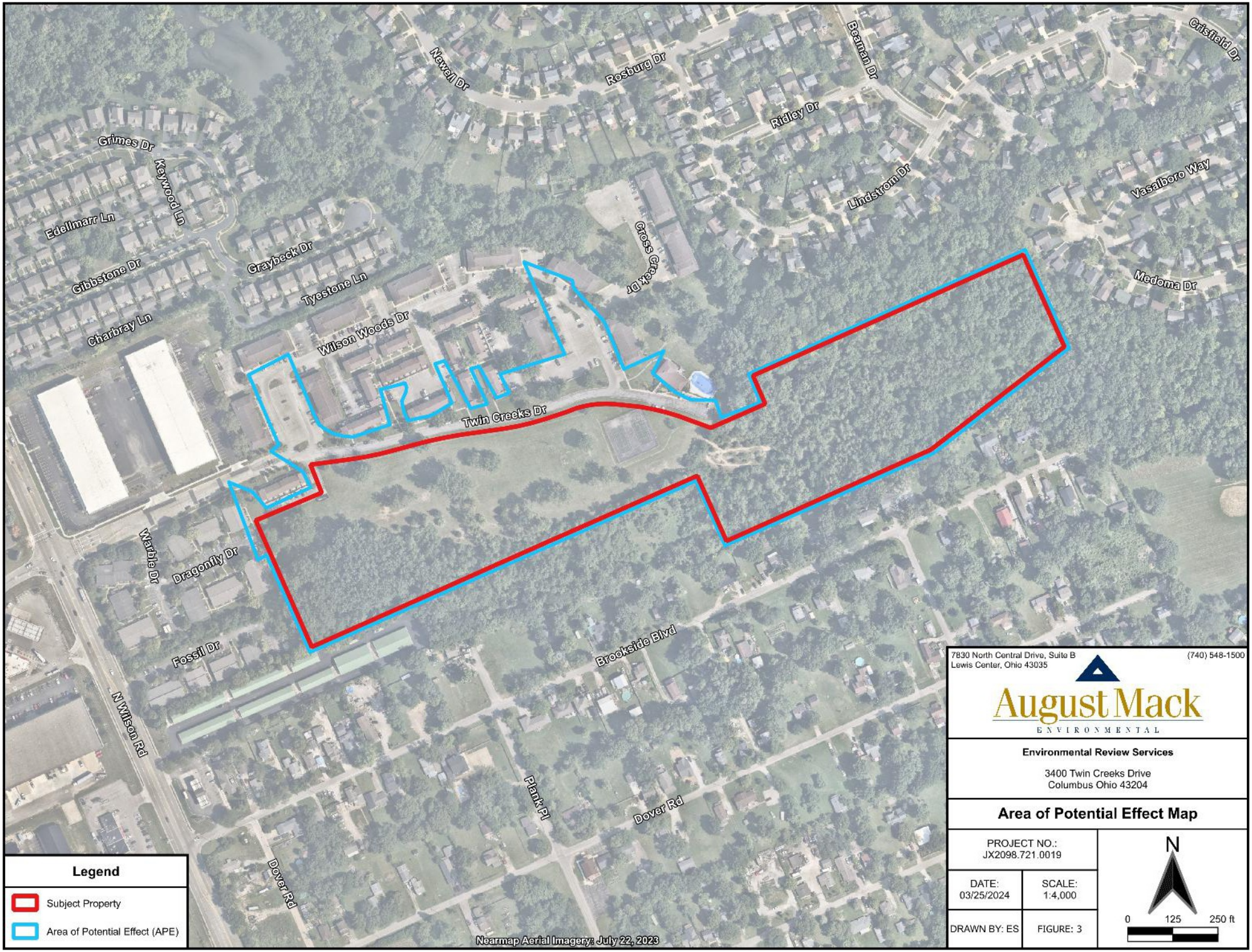


7830 North Central Drive, Suite B
Lewis Center, Ohio 43035
(740) 548-1500

August Mack
ENVIRONMENTAL

Environmental Review Services

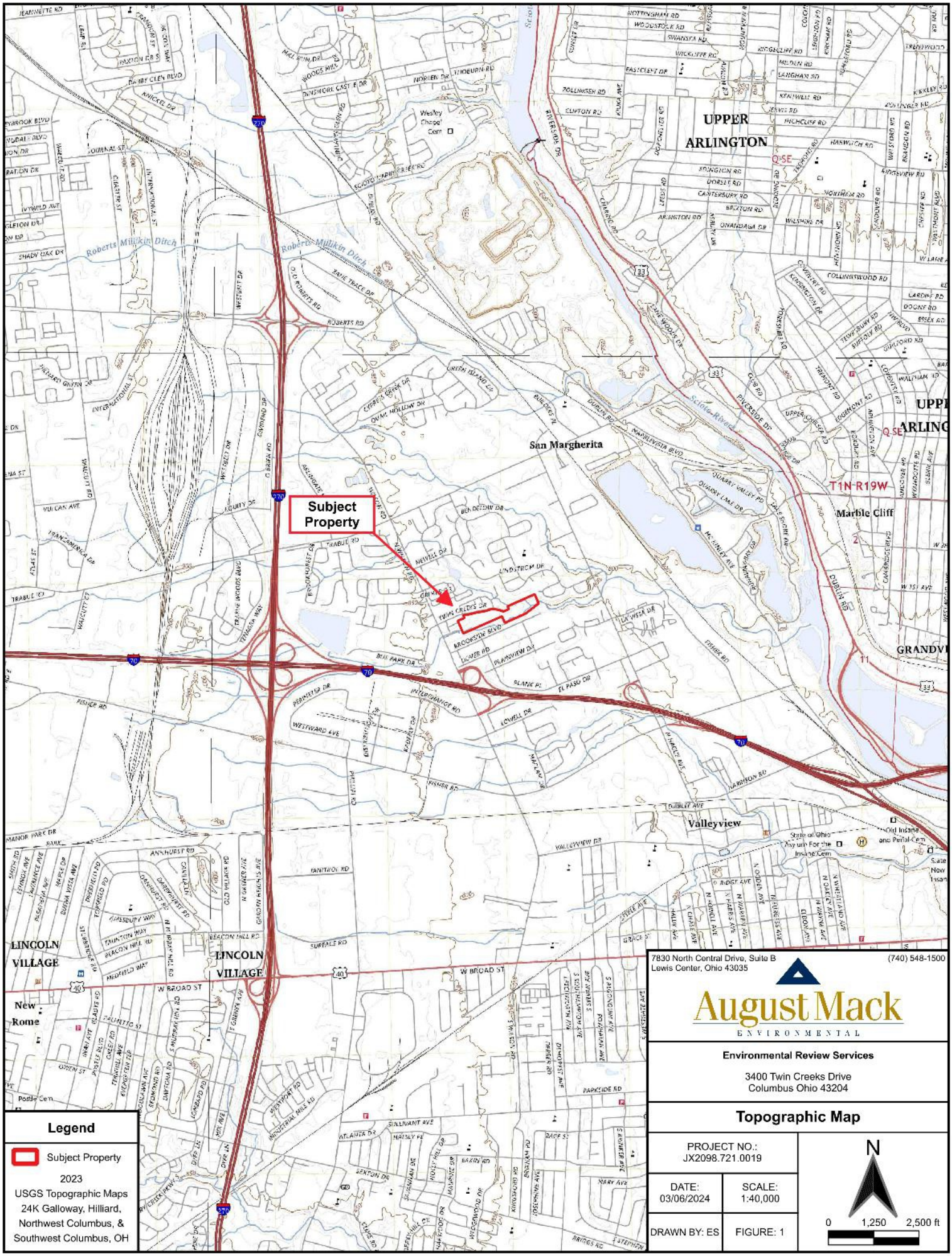
3400 Twin Creeks Drive
Columbus Ohio 43204

Area of Potential Effect Map

PROJECT NO.: JX2098.721.0019	
DATE: 03/25/2024	SCALE: 1:4,000
DRAWN BY: ES	FIGURE: 3

N

0 125 250 ft



7830 North Central Drive, Suite B
Lewis Center, Ohio 43035
(740) 548-1500

August Mack ENVIRONMENTAL

Environmental Review Services

3400 Twin Creeks Drive
Columbus Ohio 43204

Topographic Map

PROJECT NO.: JX2098.721.0019	
DATE: 03/06/2024	SCALE: 1:40,000
DRAWN BY: ES	FIGURE: 1

N

0 1,250 2,500 ft

August Mack ENVIRONMENTAL

Aerial Map – Photo Key
West Fork Apartments
Columbus, Franklin County, Ohio

PROJECT NO.: JX2098.721.0019

Project Site

N

Photo 1- Overview of the subject property from the north, looking southwest

Photo 2- Overview of the subject property from the north, looking west

Photo 3- Overview of the subject property from the north, looking southeast

Photo 4- View of brick and asphalt piles located on the north central portion of the subject property

Photo 5- Overview of the subject property from the central portion, looking northeast

Photo 6- Typical view of the northwest portion of the subject property

Photo 7- View of stream located on the northeast portion of the subject property

Photo 8- Overview of the subject property from the northwest, looking north

Photo 9- Overview of the subject property from the east, looking northeast

Photo 10- Overview of the subject property from the east, looking southeast

Photo 11- Overview of the subject property from the southeast, looking northeast

Photo 12- View of stream located on the southeast portion of the subject property

Photo 13- Overview of the subject property from the southeast, looking southwest

Photo 14- Overview of the subject property from the southeast, looking northwest

Photo 15- Overview of the subject property from the south, looking south

Photo 16- Overview of the subject property from the south, looking north

Photo 17- View of volleyball court located on the central portion of the subject property

Photo 18- View of tennis court located on the central portion of the subject property

Photo 19- Overview of the subject property from the south central portion, looking southwest

Photo 20- Overview of the subject property from the south central portion, looking northwest

Photo 21- Overview of the subject property from the south central, northeast

Photo 22- Overview of the subject property from the south central portion, looking south

Photo 23- View of stream located on the southwest portion of the subject property

Photo 24- View of discarded concrete pipes located on the southwest portion of the subject property

Photo 25- View of discarded tires located on the southwest portion of the subject property

Photo 26- Overview of the subject property from the southwest, looking northwest

Photo 27- Overview of the subject property from the southeast, looking north

Photo 28- Overview of the subject property from the southeast, looking northeast

Photo 29- Overview of the subject property from the southeast, looking south

Photo 30- Overview of the subject property from the west, looking east

Photo 31- Overview of the subject property from the northwest, looking south

Photo 32- Overview of the subject property from the northwest, looking southeast

Photo 33- View of playground located on the central portion of the subject property

Photo 34- Overview of the subject property from the north, looking southeast

Photo 35- Overview of the subject property from the north, looking south

Photo 36- Overview of the subject property from the north, looking southwest

Photo 37- View of adjoining property to the north

Photo 38- View of adjoining property to the northeast

Photo 39- View of adjoining property to the southeast

Photo 40- View of adjoining property to the west

Photo 41- View of adjoining property to the northwest

Photo 42- View of adjoining property to the north

WEST FORK

WILSON ROAD & TWIN CREEKS DR, COLUMBUS, OH 43204

ARCHITECT

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SITE AERIAL

VICINITY MAP

BUILDING PERSPECTIVES:
CLUBHOUSE

APARTMENTS BUILDINGS
6 BUILDINGS 1BR12+2BR12+3BR6+4BR6

BULDING CODE SUMMARY

Applicable Codes:	2017 Ohio Building Code* 2017 Ohio Fire Code 2017 National Electrical Code 2017 Ohio Mechanical Code 2017 Ohio Plumbing Code 2017 Ohio Energy Conservation Code *Code referenced unless otherwise noted.
Scope of Project:	The project involves a new apartment complex consisting of new 3-story apartment buildings, clubhouse, and garages.
Occupancy Classification:	Apartments - R-2 Occupancy [310.4]
Construction Type:	Type VA Construction required
Allowable Area:	Tabular Area: 12,000 sf Frontage Increase: + 9,000 sf Allowable Area: 21,000 sf [Table 506.2] [506.3]
Allowable Height:	4 stories and 60 feet based upon sprinkler increase. 3 stories actual [Table 504.3 & Table 504.4]
Building Elements:	Structural frame, bearing walls, floors, and roof are required to be of 1-hour construction. [Table 601] Nonbearing exterior walls with a fire separation distance less than 30 feet must be 1-hour rated. [Table 602] Exterior walls are permitted to rated from the inside only where having a fire separation distance exceeding 10 feet. [705.5]
Maximum Area of Exterior Wall Openings:	Unprotected Openings, Nonsprinklered - Fire Separation: < 5 feet- none permitted ≥5 < 10 feet- 10 % ≥10 < 15 feet- 15 % ≥15 < 20 feet- 25 % ≥20 < 25 feet- 45 % ≥25 < 30 feet- 70 % ≥30 feet - Unlimited [Table 705.8]
Incidental Use Separations:	None applicable to the project.
Shaft Enclosures:	Ducts penetrating rated floor assemblies permitted to connect not more than 2-stories provided a fire damper is installed in the duct at the floor line. [717.6.1] Shaft enclosures are required to be enclosed with 1-hour rated fire barriers and/or horizontal assemblies. [713.4] Openings in 1-hour shafts must be 60-minute rated, openings must be self or automatic closing. [Table 716.5, 716.5.9]
Dwelling Unit Separations:	Walls and floors between dwelling units are required to be constructed as 1-hour fire partitions and horizontal assemblies. Fire partitions must extend from the top of the foundation or floor/ceiling assembly below to the underside of the floor or roof sheathing, slab or deck above or to the fire-resistance-rated floor/ceiling or roof/ceiling assembly above. [420, 708, 711]
Draft Stops:	Required in the floor assemblies in line with each dwelling unit separation. Required in the attic to separate the space above every 2 dwelling units or 3,000 sq ft, whichever is less. [718]
Fire and Smoke Dampers:	Fire dampers are required at duct penetrations of shafts. [717.5] Ceiling radiation dampers are required at duct penetrations of 1-hour ceilings. [717.6.2]
Occupant Load Factors:	Residential: 200 sq. ft./occ. [Table 1004.1.2]
Doors:	Door width must be a minimum of 32 inches clear and 48 inches maximum. Door openings required to be accessible within Type B units must have a clear minimum width of 31.75 inches. Minimum egress width do not apply to doors within a dwelling unit not required to be a Accessible, Type A, or Type B Units. [1010.1.1, exc. 7 & 8] Egress doors are required to be side-hinged swinging type. Manually operated horizontal sliding doors are permitted for rooms or areas with an occupant load of 10 or less. [1010.1.2]
Number of Exits:	A minimum of 2 exits must be provided per story. [Table 1006.3.1]

Exit Stairs:	Stair width must be at least 44 inches wide. [1011.2] When at least two exit stair have been provided per floor the exterior exit stairs are not required to be separated from the open-ended corridors provided that the following is met: 3.1. The building, including open-ended corridors and stairways must be equipped throughout with an automatic sprinkler system. 3.2. The open-ended corridors are 0.5-hour rated fire partitions. 3.3. The open-ended corridors are connected on each end to an exterior exit stairway. 3.4. Exterior walls and openings adjacent to stairs must comply with Section 1022.7. 3.5. At any location in an open-ended corridor where a change of direction exceeding 45 degrees occurs, a clear opening of not less than 35 square feet or an exterior stairway must be provided. Where clear openings are provided, they must be located so as to minimize the accumulation of smoke or toxic gases. [1027.6, exc.3] Exterior stairways must be separated from the interior of the building by 1-hour fire barriers. Fire barriers must extend from the top of the foundation or floor/ceiling assembly below to the underside of the floor or roof sheathing, slab or deck above. [1027.6, 707.5] An exit capacity of 0.2 in/occupant must be provided for horizontal travel such as doors, ramps, etc., and 0.3 in./occupant must be provided for stairs. [1005.3] Exits must be separated by a distance not less than 1/3 the overall diagonal of the area served by the exit, measure to the closest riser. [1007.1.1]
Sprinkler System:	Automatic sprinklers are required throughout the apartment buildings. NFPA 13R system permitted for R Occupancies. Exterior balconies, decks, and ground floor patios must be sprinklered where there is a roof or deck above. [903.2.8, 903.3.1.2]
Standpipes:	Class I Standpipes not required based upon the highest floor level is located less than 30 feet above the lowest level of fire department vehicle access [905.3.1]
Fire Alarm System:	Fire alarm system is required throughout the apartment buildings. Manual pull stations are not required based upon automatic sprinkler initiation of the system. [907.2.9.1, exc. 2]
Smoke Detectors:	Single- and multiple-station smoke detectors are required within dwelling units, including within sleeping rooms [907.2.11.2]
Carbon Monoxide Alarms:	Every building having a fossil-fuel-burning heater or appliance, a fireplace, an attached garage, or other feature, fixture, or element that emits carbon monoxide as a byproduct of combustion must have an operational carbon monoxide alarm installed within 10 feet of each room used for sleeping purposes. [915.1]
Illumination of Means of Egress:	Illumination must be provided for required means of egress as well as the exit discharge that leads to a public way at all times the building space served by the means of egress is occupied. [1008.1]
Emergency Lighting:	Emergency lighting is required at exterior landings in buildings that require more than one exit, in corridors, and in rooms and spaces that require two or more means of egress. [1008.3]
Exit Signs:	Exit signs required to indicate the direction of egress travel for rooms and areas that require more than one exit access. [1013.1]

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PROJECT TITLE

WEST FORK

WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
OFHA APPLICATION	09/25/23

REVISIONS

MARK	DATE	REVISION

DO NOT SCALE PRINTS - USE FIGURES DIMENSIONS ONLY

JOB NO.
22-018

SHEET TITLE
COVER SHEET

SHEET NUMBER
G-000

BUILDING CODE SUMMARY

Applicable Codes:	2017 Ohio Building Code* 2017 Ohio Fire Code 2017 National Electrical Code 2017 Ohio Mechanical Code 2017 Ohio Plumbing Code 2017 Ohio Energy Conservation Code *Code referenced unless otherwise noted.
Scope of Project:	The project involves a new apartment complex consisting of new 3-story apartment buildings, clubhouse, and garages.
Occupancy Classification:	Apartments - R-2 Occupancy [310.4]
Construction Type:	Type VA Construction required
Allowable Area:	Tabular Area: 12,000 sf [Table 506.2] Frontage Increase: + 9,000 sf [506.3] Allowable Area: 21,000 sf
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Draft Stops:	Required in the floor assemblies in line with each dwelling unit separation. Required in the attic to separate the space above every 2 dwelling units or 3,000 sq ft, whichever is less. [718]
Fire and Smoke Dampers:	Fire dampers are required at duct penetrations of shafts. [717.5] Ceiling radiation dampers are required at duct penetrations of 1-hour ceilings. [717.6.2]
Occupant Load Factors:	Residential: 200 sq. ft./occ. [Table 1004.1.2]
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Smoke Detectors:	Single- and multiple-station smoke detectors are required within dwelling units, including within sleeping rooms [907.2.11.2]
Carbon Monoxide Alarms:	Every building having a fossil-fuel-burning heater or appliance, a fireplace, an attached garage, or other feature, fixture, or element that emits carbon monoxide as a byproduct of combustion must have an operational carbon monoxide alarm installed within 10 feet of each room used for sleeping purposes. [915.1]
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SEAL

PROJECT TITLE

WEST FORK

WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
OFHA APPLICATION	09/25/23

REVISIONS

MARK	DESCRIPTION	DATE

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PROJECT NO.
22-018

SHEET TITLE
BUILDING CODE SUMMARIES

SHEET NUMBER
G-002

T:\01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dr\7 CAD and Revit\WEST FORK GENERAL SHEETS.rvt
9/25/2023 10:48:35 AM

RESIDENTIAL BUILDING AND UNIT MIX

BLDG NO.	BUILDING TYPE	UNITS PER BUILDING	TOTAL GROSS AREA PER BLDG.	LEVEL	UNIT AREA GROSS (SF)	NON-UNIT AREA GROSS (SF)				UNIT TYPES											
										1BR/1BATH			2BR/2BATH			3BD/2BATH			4BD/2BATH		
						PATIO/ BALCONY	CIRCULATION	SUPPORT SPACE	GROSS	1 BR	1BR ACC.	1BR A/V.	2BR	2BR ACC.	2BR AV	3 BR	3 BR - ACC	3 BR - AV	4BR	4 BR ACC.	4 BR AV.
									NET	749	749	749	1052	1052	1052	1187	1187	1187	1437	1437	1437
1	(1BR12+2BR12+3BR6+4BR6)	36	47996	1ST FLOOR	13563	882	1831	42		3	1		3	1		2			2		
				2ND FLOOR	13562	882	1395			4			4			2			2		
				3RD FLOOR	13562	882	1395			4			4			2			2		
				TOTAL	**40687**	**2646**	**4621**	**42**		**11**	**1**	**0**	**11**	**1**	**0**	**6**	**0**	**0**	**6**	**0**	**0**
2	(1BR12+2BR12+3BR6+4BR6)	36	47995	1ST FLOOR	13562	882	1831	42		2	1	1	3	1		1	1		1	1	
				2ND FLOOR	13562	882	1395			4			4			2			2		
				3RD FLOOR	13562	882	1395			4			4			2			2		
				TOTAL	**40686**	**2646**	**4621**	**42**		**10**	**1**	**1**	**11**	**1**	**0**	**5**	**1**	**0**	**5**	**1**	**0**
3	(1BR12+2BR12+3BR6+4BR6)	36	47995	1ST FLOOR	13562	882	1831	42		3	1	0	2	1	1	1	1		1	1	
				2ND FLOOR	13562	882	1395			4			4			2			2		
				3RD FLOOR	13562	882	1395			4			4			2			2		
				TOTAL	**40686**	**2646**	**4621**	**42**		**11**	**1**	**0**	**10**	**1**	**1**	**5**	**1**	**0**	**5**	**1**	**0**
4	(1BR12+2BR12+3BR6+4BR6)	36	47995	1ST FLOOR	13562	882	1831	42		3	1		3	1		1	1	1	1	1	
				2ND FLOOR	13562	882	1395			4			4			2			2		
				3RD FLOOR	13562	882	1395			4			4			2			2		
				TOTAL	**40686**	**2646**	**4621**	**42**		**11**	**1**	**0**	**11**	**1**	**0**	**4**	**1**	**1**	**5**	**1**	**0**
5	(1BR12+2BR12+3BR6+4BR6)	36	47995	1ST FLOOR	13562	882	1831	42		3	1		3	1		1	1			1	1
				2ND FLOOR	13562	882	1395			4			4			2			2		
				3RD FLOOR	13562	882	1395			4			4			2			2		
				TOTAL	**40686**	**2646**	**4621**	**42**		**11**	**1**	**0**	**11**	**1**	**0**	**5**	**1**	**0**	**4**	**1**	**1**
6	(1BR12+2BR12+3BR6+4BR6)	36	47995	1ST FLOOR	13562	882	1831	42		2	1	1	3	1		1	1		1	1	
				2ND FLOOR	13562	882	1395			4			4			2			2		
				3RD FLOOR	13562	882	1395			4			4			2			2		
				TOTAL	**40686**	**2646**	**4621**	**42**		**10**	**1**	**1**	**11**	**1**	**0**	**5**	**1**	**0**	**5**	**1**	**0**
	TOTAL BUILDING	**216**	**287971**		**244117**	**15876**	**27726**	**252**		**64**	**6**	**2**	**65**	**6**	**1**	**30**	**5**	**1**	**30**	**5**	**1**
				TOTAL LOW INCOME UNIT AREA		**259993**															

COMMON BUILDING AREAS (PUBLIC)

	GROSS AREA
CLUBHOUSE (FITNESS CENTER, COMMUNITY ROOM, ACTIVITY ROOM, BUSINESS CENTER, MEETING ROOM, GAME ROOM, AMENITIES, FRONT AND BACK PORCHES (COVERED PORTIONS)	3,916
ENTERTAINMENT AREA	740
MAIL KIOSK	564
TOTAL	**5220**

GARAGES (FEE-DRIVEN GSF)

		GROSS AREA
TYPE A: 5 STANDARDD BAYS + 1 MAINTENANCE BAY	1	1,074
TYPE B: 6 STANDARD BAYS	1	1,489
TYPE C: 1 ACCESSIBLE BAY + 5 STANDADRD BAYS	4	1,495
TOTAL FREE-STANDING GARAGES FEE-DRIVEN GSF	**6**	**8543**

SUPPORT BUILDING AREA

	GROSS AREA
CLUBHOUSE CLOSING/SOCIAL SERVICE ROOM, 2 OFFICES, COPY/STORAGE, MECH/MAINT, SUPPORT LEASING	647
MAINTENANCE BAY/ OFFICE	476
RES. BLDG. SUPPORT (MECH AND RISER ROOMS)	3708
TOTAL	**4831**

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SEAL

PROJECT TITLE

WEST FORK

WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
OFHA APPLICATION	09/25/23

REVISIONS

MARK	DESCRIPTION	DATE

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PROJECT NO.

22-018

SHEET TITLE

BUILDING TABULATION

SHEET NUMBER

G-003

T:\01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dr\7 CAD and Revit\BUIDLING 4BR6+2BR18+1BR12 - 9.13.23.rvt

9/20/2023 3:24:09 PM

Current Chapter level: Bronze	Total Points: 55
Points away from: Bronze: 0, Silver: 9, Gold: 38, Emerald: 66	
Add'l pts earned above: Bronze: 5, Silver: 0, Gold: 0, Emerald: 0	
Total Chapter Points needed for: Bronze: 50, Silver: 64, Gold: 93, Emera	
Revision Date: 2/21/2023	

NGBS GREEN
Home Innovation Research Labs

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Coding

Practice #	Item	Chapter 5: Lot Design, Preparation, and Development	Points Available	Points Claimed	Status	Notes
500 LOT DESIGN, PREPERATION AND DEVELOPMENT						
500.0		**500.0 Intent**. This section applies to lot development for the eventual construction of residential buildings, multifamily buildings, or additions thereto that contain dwelling units or sleeping units.				
501 LOT SELECTION						
501.1		**501.1 Lot.** Lot is selected in accordance with § 501.1(1) or § 501.1(2).		10	Certified Site:	
	(1)	A lot is selected within a site certified to this Standard or equivalent	15		☐	
	(2)	A lot is selected to minimize environmental impact by one or more of the following:				
	(a)	An infill lot is selected.	10		☑	
	(b)	A lot is selected that is a greyfield.	10		☐	
	(c)	An EPA-recognized brownfield lot is selected.	15		☐	
501.2		**501.2 Multi-modal transportation**. A range of multi-modal transportation choices are promoted by one or more of the following:				
	(1)	A lot is selected within one-half mile (805 m) of pedestrian access to a mass transit system	6	6	☑	5 W 5th Ave/Refugee Bus Line
	(2)	A lot is selected within five miles (8,046 m) of a mass transit station with provisions for parking.	3	0	☐	
	(3)	Walkways, street crossings, and entrances designed to promote pedestrian activity are provided. New buildings are connected to existing sidewalks and areas of development.	5	0	☐	
	(4)	A lot is selected within one-half mile (805 m) of six or more community resources. No more than two each of the following use category can be counted toward the total: Recreation, Retail, Civic, and Services. Examples of resources in each category include, but are not limited to the following: Recreation: recreational facilities (such as pools, tennis courts, basketball courts), parks. Retail: grocery store, restaurant, retail store. Civic: post office, place of worship, community center. Services: bank, daycare center, school, medical/dental office, laundromat/dry cleaners. NOTE: List the 6 community resources in the Notes field. OR A lot is selected within a census block group that, compared to its region, has above-average neighborhood walkability using an index within the EPA's Smart Location Database:	4	4	☑	(2) Recreation: Park (2) Retail: Restaurant (2) Civic: Church
		(a) Walkability is within the top quartile for the region.	5	0	☐	
		(b) Walkability is within the second quartile for the region.	2			
	(5)	Bicycle use is promoted by building on a lot located within a community that has rights-of-way specifically dedicated to bicycle use in the form of paved paths or bicycle lanes, or on an infill lot located within 1/2 mile of a bicycle lane designated by the jurisdiction.	5	0	☐	
	(6)	Dedicated bicycle parking and racks are indicated on the site plan and constructed for mixed-use and multifamily buildings:		0		
	(a)	Minimum of 1 bicycle parking space per 3 residential units	2			
	(b)	Minimum of 1 bicycle parking space per 2 residential units	4			
	(c)	Minimum of 1 bicycle parking space per 1 residential unit.	6			
	(d)	Bicycle enclosed storage is provided or parking spaces are covered or otherwise protected from the elements	2 per (a)-(c)	0	☐	
	(7)	Select a lot in a community where there is access to shared vehicle usage such as carpool drop off areas, car-share services, and shuttle services to mass transit.	5	0	☐	
		NOTE: Enter name of car sharing program.				
	(8)	Lot is within 1/2 mile walking distance of where a bike sharing program is provided.	5	0	☐	
		NOTE: Enter name of bike sharing program.				
502 PROJECT TEAM, MISSION STATEMENT, AND GOALS						
502.1		**502.1 Project team, mission statement, and goals.** A knowledgeable team is established and team member roles are identified with respect to green lot design, preparation, and development. The project's green goals and objectives are written into a mission statement.	4	4	☑	
503 LOT DESIGN						
503.0		**503.0 Intent.** The lot is designed to avoid detrimental environmental impacts first, to minimize any unavoidable impacts, and to mitigate for those impacts that do occur. The project is designed to minimize environmental impacts and to protect, restore, and enhance the natural features and environmental quality of the lot. **(Points awarded only if the intent of the design is implemented.)**				
503.1		**503.1 Natural resources.** Natural resources are conserved by one or more of the following:				
	(1)	A natural resources inventory is completed under the direction of a qualified professional.	5	0	☐	
	(2)	A plan is implemented to conserve the elements identified by the natural resource inventory as high-priority resources.	6	0	☐	
	(3)	Items listed for protection in the natural resource inventory plan are protected under the direction of a qualified professional.	4	0	☐	
	(4)	Basic training in tree or other natural resource protection is provided for the on site supervisor.	4	0	☐	
	(5)	All tree pruning on-site is conducted by a certified arborist or other qualified professional.	3	0	☐	
	(6)	Ongoing maintenance of vegetation on the lot during construction is in accordance with TCIA A300 or locally accepted best practices.	4	0	☐	
	(7)	Where a lot adjoins a landscaped common area, a protection plan from construction activities next to the common area is implemented.	5	0	☐	
	(8)	Developer has a plan to design and construct the lot in accordance with the International Wildland-Urban Interface Code (IWUIC). *[Only applicable where the AHJ has not declared a wildland-urban interface area, but a fire protection engineer, certified fire marshal, or other qualified party has determined and documented the site as hazardous per the IWUIC]*	6	0	☐	
503.2		**503.2 Slope disturbance.** Slope disturbance is minimized by one or more of the following: Note: Points are only available for lots with slopes of 25% or greater.			Max Slope in Const. Zn:	
	(1)	The use of terrain adaptive architecture.	5	0	☐	
	(2)	Hydrological/soil stability study is completed and used to guide the design of all buildings on the lot.	5	0	☐	
	(3)	All or a percentage of driveways and parking are aligned with natural topography to reduce cut and fill.		0		
	(a)	10 percent to < 25 percent	1			
	(b)	25 percent to 75 percent	4			
	(c)	greater than 75 percent	6			
	(4)	Long-term erosion effects are reduced through the design and implementation of clustering, terracing, retaining walls, landscaping, or restabilization techniques.	6	0	☐	
	(5)	Underground parking uses the natural slope for parking entrances.	5	0	☐	
503.3		**503.3 Soil disturbance and erosion.** Soil disturbance and erosion are minimized by one or more of the following: (also see Section 504.3) Note: Points must be earned in 503.3 in order for points in 504.1 to be available				
	(1)	Construction activities are scheduled such that disturbed soil that is to be left unworked for more than 21 days is stabilized within 14 days..	5	0	☐	
	(2)	At least 75% of total length of the utilities on the lot are designed to use one or more alternative means:	5	0		
	(a)	tunneling instead of trenching			☐	
	(b)	use of smaller (low ground pressure) equipment or geomats to spread the weight of construction equipment			☐	
	(c)	shared utility trenches or easements			☐	
	(d)	placement of utilities under paved surfaces instead of yards			☐	
	(3)	Limits of clearing and grading are demarcated on the lot plan.	5	5	☑	
503.4		**503.4 Stormwater Management.** The stormwater management system is designed to use low impact development/green infrastructure practices to preserve, restore or mitigate changes in site hydrology due to land disturbance and the construction of impermeable surfaces through the use of one or more of the following techniques: NOTE: For lots in a development, the points for 503.4 may be awarded for the lot when there is a community storm water management plan implemented and the builder does not violate that plan with respect to water leaving the lot.				
	(1)	A site assessment is conducted and a plan prepared and implemented that identifies important existing permeable soils, natural drainage ways and other water features, e.g., depressional storage, onsite to be preserved in order to maintain site hydrology.	7	0	☐	
	(2)	A hydrologic analysis is conducted that results in the design of a stormwater management system that maintains the pre-development (stable, natural) runoff hydrology of the site through the development or redevelopment process. Ensure that post construction runoff rate, volume and duration do not exceed predevelopment rates, volume and duration.	10	0	☐	
	(3)	Low Impact Development/Green infrastructure stormwater management practices to promote infiltration and evapotranspiration are used to manage rainfall on the lot and prevent the off-lot discharge of runoff from all storms up to and including the volume of following storm events:		0		
	(a)	80th percentile storm event	5			
	(b)	90th percentile storm event	8			
	(c)	95th percentile storm event	10			
	(4)	Permeable materials are used for driveways, parking areas, walkways, patios, and recreational surfaces and the like according to the following percentages:		0		
	(a)	10 percent to less than 25 percent (add 2 points for use of vegetative paving system)	5			
	(b)	25-50 percent (add 4 points for use of vegetative paving system)	8			
	(c)	Greater than 50 percent (add 6 points for use of vegetative paving system)	10			
		[Points for vegetative paving systems are only awarded for locations receiving more than 20 inches per year of annual average precipitation]	0	0	☐	
	(5)	Complete gutter and downspout system directs storm water away from foundation to vegetated landscape area, a raingarden, or catchment system that provides for water infiltration.	3	0	☐	
503.5		**503.5 Landscape plan.** A plan for the lot is developed to limit water and energy use while preserving or enhancing the natural environment. (Where "front" only or "rear" only plan is implemented, only half of the points (rounding down to a whole number) are awarded for Items (1)-(9))			full	
	(1)	A plan is formulated and implemented that protects, restores, or enhances natural vegetation on the lot.		0		
	(a)	100 percent of the natural area	4			
	(b)	50 percent of the natural area	3			
	(c)	25 percent of the natural area	2			
	(d)	12 percent of the natural area	1			
	(2)	Non-invasive vegetation that is native or regionally appropriate for local growing conditions is selected to promote biodiversity.	7	7	☑	
	(3)	To improve pollinator habitat, at least 10 percent of planted areas are composed of native or regionally appropriate flowering and nectar producing plant species. Invasive plant species shall not be utilized.	3	0	☐	
	(4)	EPA WaterSense Water Budget Tool or equivalent is used when implementing the site vegetative design.	5	0	☐	
	(5)	Where turf is being planted, Turfgrass Water Conservation Alliance (TWCA) or equivalent as determined by the adopting entity third party qualified water efficient grasses are used.	3	0	☐	
	(6)	For landscaped vegetated areas, the maximum percentage of turf area is:		0		
	(a)	0 percent	5			
	(b)	Greater than 0 percent to less than 20 percent	4			
	(c)	20 percent to less than 40 percent	3			
	(d)	40 percent to 60 percent	2			
	(7)	Plants with similar watering needs are grouped (hydrozoning) and shown on the lot plan.	5	0	☐	
	(8)	Summer shading by planting installed to shade a minimum of 30 percent of building walls. To conform to summer shading, the effective shade coverage (five years after planting) is the arithmetic mean of the shade coverage calculated at 10 am for eastward facing walls, noon for southward facing walls, and 3 pm for westward facing walls on the summer solstice.	5	0	☐	
	(9)	Vegetative wind breaks or channels are designed to protect the lot and immediate surrounding lots as appropriate for local conditions.	5	0	☐	
	(10)	Site or community generated tree trimmings or stump grinding of regionally appropriate trees are used on the lot to provide protective mulch during construction or for landscaping.	3	0	☐	
	(11)	An integrated pest management plan is developed to minimize chemical use in pesticides and fertilizers.	4	0	☐	
	(12)	Developer has a plan for removal or containment of invasive plants from the disturbed areas of the site.	3	0	☐	
	(13)	Developer implements a plan for removal or containment of invasive plants on the undisturbed areas of the site.	6	0	☐	
503.6		**503.6 Wildlife habitat.** Measures are planned to support wildlife habitat and include at least two of the following:		0		
	(1)	Plants and gardens that encourage wildlife, such as bird and butterfly gardens.	3		☐	
	(2)	Inclusion of a certified "backyard wildlife" program.	3		☐	
	(3)	The lot is adjacent to a wildlife corridor, fish and game park, or preserved areas and is designed with regard for this relationship.	3		☐	
	(4)	Outdoor lighting techniques are utilized with regard for wildlife.	3		☐	
503.7		**503.7 Environmentally sensitive areas.** The lot is in accordance with one or both of the following:		0		
	(1)	The lot does not contain any environmentally sensitive areas that are disturbed by the construction.	4			
	(2)	On lots with environmentally sensitive areas, mitigation and/or restoration is conducted to preserve ecosystem functions lost through development and construction activities.	4			
503.8		**503.8 Demolition of existing building.** A demolition waste management plan is developed, posted at the jobsite, and implemented to recycle and/or salvage with a goal of recycling or salvaging a minimum of 50 percent of the nonhazardous demolition waste. (One additional point awarded for every 10 percent of nonhazardous demolition waste recycled and/or salvaged beyond 50 percent).	5 1 additional	0		
504 LOT CONSTRUCTION						
504.0		**504.0 Intent.** Environmental impact during construction is avoided to the extent possible; impacts that do occur are minimized and any significant impacts are mitigated.				
504.1		**504.1 On-site supervision and coordination.** On-site supervision and coordination is provided during on-the-lot clearing, grading, trenching, paving, and installation of utilities to ensure that specified green development practices are implemented. (also see Section 503.3) NOTE: Points must be taken in 503.3 to claim points in 504.1.	4	0	☐	
504.2		**504.2 Trees and vegetation.** Designated trees and vegetation are preserved by one or more of the following:				
	(1)	Fencing or equivalent is installed to protect trees and other vegetation.	3	0	☐	
	(2)	Trenching, significant changes in grade, and compaction of soil and critical root zones in all "tree save" areas as shown on the lot plan are avoided.	5	0	☐	
	(3)	Damage to designated existing trees and vegetation is mitigated during construction through pruning, root pruning, fertilizing, and watering.	4	0	☐	
504.3		**504.3 Soil disturbance and erosion implementation.** On-site soil disturbance and erosion are minimized by one or more of the following in accordance with the SWPPP or applicable plan: (also see Section 503.3)				
	(1)	Sediment and erosion controls are installed on the lot and maintained in accordance with the stormwater pollution prevention plan, where required.	5	5	☑	
	(2)	Limits of clearing and grading are staked out on the lot.	5	5	☑	
	(3)	"No disturbance" zones are created using fencing or flagging to protect vegetation and sensitive areas on the lot from construction activity.	5	0	☐	
	(4)	Topsoil from either the lot or the site development is stockpiled and stabilized for later use and used to establish landscape plantings on the lot.	5	0	☐	
	(5)	Soil compaction from construction equipment is reduced by distributing the weight of the equipment over a larger area (laying lightweight geogrids, mulch, chipped wood, plywood, OSB, metal plates, or other materials capable of weight distribution in the pathway of the equipment).	4	0	☐	
	(6)	Disturbed areas on the lot that are complete or to be left unworked for 21 days or more are stabilized within 14 days using methods as recommended by the EPA or in the approved SWPPP, where required.	3	0	☐	
	(7)	Soil is improved with organic amendments or mulch.	3	0	☐	
	(8)	Utilities on the lot are installed using one or more alternative means: tunneling instead of trenching, use of smaller equipment, use of low ground pressure equipment, use of geomats, shared utility trenches or easements, other. NOTE: List "other" means of installing utilities in the assigned Notes area.	5	0	☐ ☐ ☐ ☐ ☐ ☐	
	(9)	Inspection reports of stormwater best management practices are available.	3	0	☐	
505 INNOVATIVE PRACTICES						
505.0		**505.0 Intent.** Innovative lot design, preparation, and development practices are used to enhance environmental performance. Waivers or variances from local development regulations are obtained and innovative zoning is used to implement such practices.				
505.1		**505.1 Driveways and parking areas.** Driveways and parking areas are minimized or mitigated by one or more of the following:				
	(1)	Off-street parking areas are shared or driveways are shared. Waivers or variances from local development regulations are obtained to implement such practices, if required.	5	5	☑	
	(2)	In a multifamily project, parking capacity does not exceed the local minimum requirements.	5	0	☐	
	(3)	Structured parking is utilized to reduce the footprint of surface parking areas.		0		
	(a)	25 percent to less than 50 percent	4			
	(b)	50 percent to 75 percent	5			
	(c)	greater than 75 percent	6			
505.2		**505.2 Heat island mitigation.** Heat island effect is mitigated by the following.				
	(1)	Hardscape: Not less than 50 percent of the surface area of the hardscape on the lot meets one or a combination of the following methods.	5	0		
	(a)	Shading of hardscaping: Shade is provided from existing or new vegetation (within five years) or from trellises. Shade of hardscaping is to be measured on the summer solstice at noon.			☐	
	(b)	Light-colored hardscaping: Horizontal hardscaping materials are installed with a solar reflectance index (SRI) of 29 or greater. The SRI is calculated in accordance with ASTM E1980. A default SRI value of 35 for new concrete without added color pigment is permitted to be used instead of measurements.			☐	
	(c)	Permeable hardscaping: Permeable hardscaping materials are installed.			☐	
	(2)	Roofs: Not less than 75 percent of the exposed surface of the roof is vegetated using technology capable of withstanding the climate conditions of the jurisdiction and the microclimate conditions of the building lot. Invasive plant species are not permitted.	5	0	☐	
505.3		**505.3 Density.** The average density on the lot on a net developable area basis is:		4	(1)	18.16 Acres/252 units = 13.88 DU/Acre
	(1)	7 to less than 14 dwelling units/sleeping units per acre (per 4,047 m2)	4			
	(2)	14 to less than 21 dwelling units/sleeping units per acre (per 4,047 m2)	5			
	(3)	21 to less than 35 dwelling units/sleeping units per acre (per 4,047 m2)	6			
	(4)	35 to less than 70 dwelling units/sleeping units per acre (per 4,047 m2)	7			
	(5)	70 or greater dwelling units/sleeping units per acre (per 4,047 m2)	8			
505.4		**505.4 Mixed-use development.**				
	(1)	The lot contains a mixed-use building.	8	0	☐	
505.5		**505.5 Multifamily & mixed-use community garden(s).** A portion of the lot is established as a community garden(s), available to residents of the lot, to provide for local food production to residents or area consumers.			Community Garden (sf):	
	(a)	A portion of the lot of at least 250 sq ft is established as community garden(s) for the residents of the site. [*3 points per 250 sq ft]	9 max	0		
	(b)	Locate the project within a 0.5-mile walking distance of an existing or planned farmers market/ farm stand that is open or will operate at least once a week for at least five months of the year.	3	0	☐	
	(c)	Areas and physical provisions are provided for composting.	1	0	☐	
	(d)	Signs designating the garden area are posted.	1	0	☐	
505.6		**505.6 Multi-Unit Plug-In Electric Vehicle Charging.** Plug-in electric vehicle charging capability is provided for not fewer than 2 percent of parking stalls. [An additional 2 points can be earned for each percentage point above 2% for a maximum of 10 points] Fractional values shall be rounded up to the nearest whole number. Electrical capacity in main electric panels supports Level 2 charging (208/240V- up to 80 amps or in accordance with SAE J1772). Each stall is provided with conduit and wiring infrastructure from the electric panel to support Level 2 charging (208/240V- up to 80 amps or in accordance with SAE J1772) service to the designated stalls, and stalls are equipped with either Level 2 charging AC grounded outlets (208/240V- up to 80 amps or in accordance with SAE J1772) or Level 2 charging stations (208/240V- up to 80 amps or in accordance with SAE J1772) by a third party charging station.	4 (10 max)	0		

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SEAL

PROJECT TITLE

WEST FORK

WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
OFHA APPLICATION	09/25/23

REVISIONS

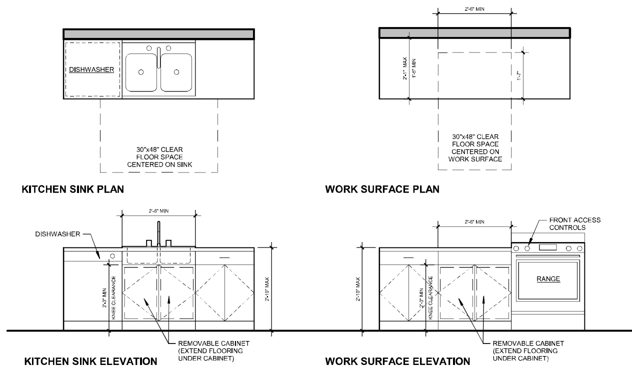
MARK	DESCRIPTION	DATE

DO NOT SCALE PRINTS - USE FIGURED DIMENSIONS ONLY

PROJECT NO.
22-018

SHEET TITLE
NGBS REQUIREMENTS

SHEET NUMBER
G-004



KITCHEN SINK PLAN

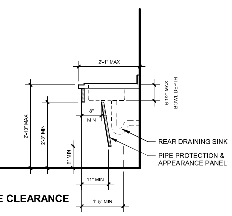
WORK SURFACE PLAN

KITCHEN SINK ELEVATION

WORK SURFACE ELEVATION

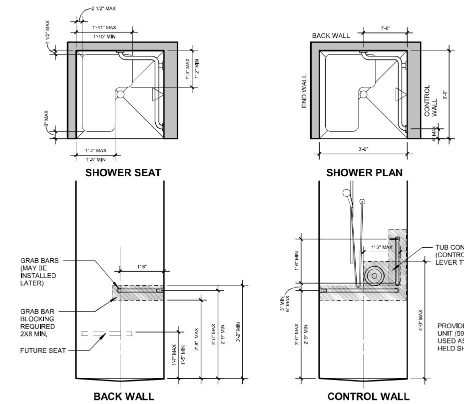
NOTES

1. TYPE "A" ACCESSIBLE KITCHENS TO MEET ICC/ANSI A117.1-2009 SECTION 1003.12
2. TYPE "A" ACCESSIBLE KITCHEN AREAS IN DWELLING UNITS ARE DESIGNED WITH CLEAR FLOOR SPACES IN ACCORDANCE WITH ICC/ANSI REQUIREMENTS (BASED ON APPROACH)
3. PROVIDE REMOVABLE CABINET UNDER 30" WIDE (MIN) WORK SURFACE AND KITCHEN SINK. EXTEND FLOORING UNDER THESE AREAS.
4. EXPOSED PIPES UNDER SING SHALL BE PROTECTED OF INSULATED AGAINST CONTACT. NO SHARP/ABRASIVE SURFACES ALLOWED.
5. PROVIDE RANGE/OVEN WITH FRONT PANEL CONTROLS.
6. REFRIGERATORS/FREEZERS SHALL HAVE AT LEAST 50% OF THE FREEZER SPACE WITHIN 54" MAX ABOVE FLOOR.
7. MICROWAVES TO BE COUNTERTOP MODELS. DO NOT INSTALL OVER RANGE



KNEE/TOE CLEARANCE

1 ACCESSIBLE KITCHENS
1/2" = 1' - 0" *FOR TYPE "A" DWELLING UNITS*



SHOWER SEAT

SHOWER PLAN

BACK WALL

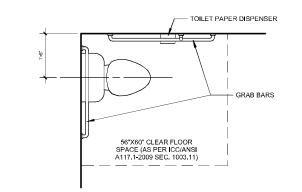
CONTROL WALL

END WALL

2 ACCESSIBLE SHOWERS (TRANSFER-TYPE)
1/2" = 1' - 0" *FOR TYPE "A" DWELLING UNITS*

NOTES

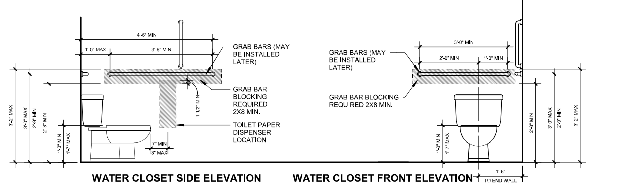
1. TYPE "A" ACCESSIBLE TRANSFER-TYPE SHOWERS TO MEET ICC/ANSI A117.1-2009 SECTION 1003.11.9 AND 608.
2. GRAB BARS ARE NOT REQUIRED, PROVIDED REINFORCEMENT IS PROVIDED IN WALLS TO PERMIT INSTALLATION OF GRAB BARS.
3. GRAB BARS IF PROVIDED SHALL BE 1 1/2" DIAMETER W/ 1 1/2" CLEARANCE FROM WALL
4. ACCESSIBLE SHOWER AREAS IN DWELLING UNITS ARE DESIGNED WITH CLEAR FLOOR SPACES IN ACCORDANCE W/ ICC/ANSI REQUIREMENTS (BASED ON APPROACH).
5. SHOWER CONTROL TO BE LEVER TYPE.
6. PROVIDE SHOWER SPRAY UNIT WITH 59" LONG MINIMUM, THAT CAN BE USED AS A FIXED SHOWER HEAD AND AS A HAND-HELD SHOWER FIXED HEAD MUST BE MOUNTED 48" MAX. ABOVE FLOOR.
7. SHOWER TO DELIVER WATER THAT IS THERMAL SHOCK PROTECTED TO 120°F MAX
8. SHOWER SEAT IS NOT REQUIRED, PROVIDED REINFORCEMENT IS PROVIDED IN WALL TO PERMIT INSTALLATION OF SEAT.



WATER CLOSET PLAN

NOTES

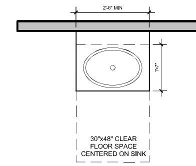
1. TYPE "A" ACCESSIBLE WATER CLOSETS TO MEET ICC/ANSI A117.1-2009 SECTION 1003.11.7.
2. GRAB BARS ARE NOT REQUIRED, PROVIDED REINFORCEMENT IS PROVIDED IN WALLS TO PERMIT INSTALLATION OF GRAB BARS.
3. GRAB BARS (IF PROVIDED) SHALL BE 1 1/2" DIAMETER W/ 1 1/2" CLEARANCE FROM WALL.
4. TYPE "A" ACCESSIBLE TOILET AREAS IN DWELLING UNITS ARE DESIGNED WITH CLEAR FLOOR SPACES IN ACCORDANCE WITH ICC/ANSI REQUIREMENTS (BASED ON APPROACH).
5. FLUSH CONTROLS TO BE LEVER TYPE AND TO BE MOUNTED AT 44" AFF MAXIMUM. LEVER MUST BE ON THE WIDE OR OPEN SIDE OF THE FIXTURE.



WATER CLOSET SIDE ELEVATION

WATER CLOSET FRONT ELEVATION

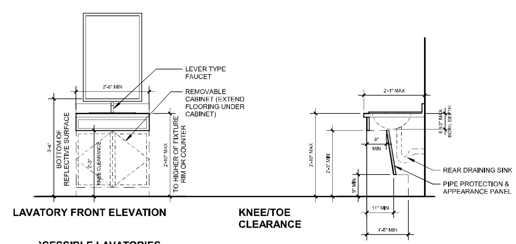
3 ACCESSIBLE WATER CLOSETS
1/2" = 1' - 0" *FOR TYPE "A" DWELLING UNITS*



LAVATORY PLAN APPROACH OPTION

NOTES

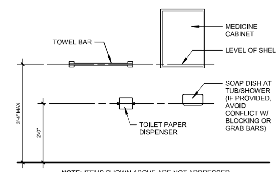
1. TYPE "A" ACCESSIBLE LAVATORY TO MEET ICC/ANSI A117.1-2009 SECTION 1003.11.5 AND 606.
2. TYPE "A" ACCESSIBLE LAVATORY AREAS IN DWELLING UNITS ARE DESIGNED WITH CLEAR FLOOR SPACES IN ACCORDANCE WITH ICC/ANSI REQUIREMENTS (BASED ON APPROACH).
3. PROVIDE REMOVABLE CABINET UNDER 30" WIDE (MIN) LAVATORY. EXTEND FLOORING UNDER THESE AREAS.
4. EXPOSED PIPES UNDER LAVATORY SHALL BE PROTECTED OR INSULATED AGAINST CONTACT. NO SHARP/ABRASIVE SURFACES ALLOWED.



LAVATORY FRONT ELEVATION

KNEE/TOE CLEARANCE

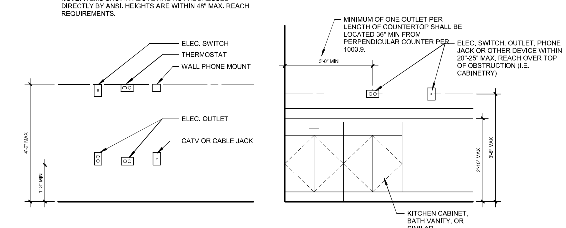
4 ACCESSIBLE LAVATORIES
1/2" = 1' - 0" *FOR TYPE "A" DWELLING UNITS*



NOTES

1. MOUNTING HEIGHTS ARE BASED ON OBSTRUCTED AND UNOBSTRUCTED REACH REQUIREMENTS AS OUTLET IN ICC/ANSI A117.1-2009 SECTION 308 & 309.
2. MOUNTING HEIGHTS SHOWN HEREIN ARE FOR ALL OPERABLE PARTS, CONTROLS, DEVICES, ETC. WHICH REQUIRE THE USE OF A SINGLE HAND TO ACCESS/OPERATE.
3. HEIGHT REQUIREMENTS SHOWN HEREIN DO NOT APPLY TO SPECIAL EQUIPMENT OR ELECTRICAL/COMMUNICATION SYSTEM RECEPTACLES NOT NORMALLY INTENDED FOR USE BY OCCUPANTS.
4. OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING OR TWISTING OF THE WRIST.

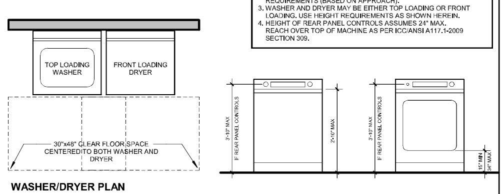
NOTE: ITEMS SHOWN ABOVE ARE NOT ADDRESSED DIRECTLY BY ANSI. HEIGHTS ARE WITHIN 48" MAX. REACH REQUIREMENTS.



5 ACCESSIBLE MOUNTING HEIGHTS
1/2" = 1' - 0" *FOR TYPE "A" DWELLING UNITS*

NOTES

1. TYPE "A" ACCESSIBLE LAUNDRY EQUIPMENT TO MEET ICC/ANSI A117.1-2009 SECTION 1003.10 AND 611.
2. TYPE "A" ACCESSIBLE LAUNDRY AREAS ARE DESIGNED WITH CLEAR FLOOR SPACES IN ACCORDANCE WITH ICC/ANSI REQUIREMENTS (BASED ON APPROACH).
3. WASHER AND DRYER MAY BE EITHER TOP LOADING OR FRONT LOADING. USE HEIGHT REQUIREMENTS AS SHOWN HEREIN.
4. HEIGHT OF REAR PANEL CONTROLS ASSUMES 24" MAX. REACH OVER TOP OF MACHINE AS PER ICC/ANSI A117.1-2009 SECTION 309.

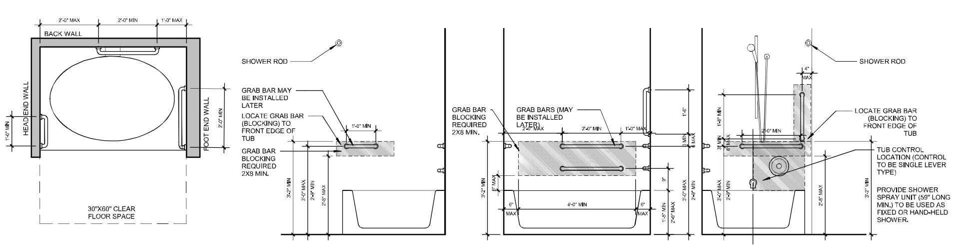


WASHER/DRYER PLAN

TOP LOADING MACHINE

FRONT LOADING MACHINE

6 ACCESSIBLE LAUNDRY EQUIPMENT
1/2" = 1' - 0" *FOR TYPE "A" DWELLING UNITS*



ACCESSIBLE BATHTUB PLAN

HEAD END WALL

BACK WALL

FOOT END WALL

7 ACCESSIBLE BATHTUBS W/O PERMANENT SEATS
1/2" = 1' - 0" *FOR TYPE "A" DWELLING UNITS*

NOTES

1. TYPE "A" ACCESSIBLE BATHTUBS TO MEET ICC/ANSI A117.1-2009 SECTION 1003.11.8 AND 607.
2. GRAB BARS ARE NOT REQUIRED, PROVIDED REINFORCEMENT IS PROVIDED IN WALLS TO PERMIT INSTALLATION OF GRAB BARS.
3. GRAB BARS IF PROVIDED SHALL BE 1 1/2" DIAMETER W/ 1 1/2" CLEARANCE FROM WALL
4. TYPE "A" ACCESSIBLE BATHTUB AREAS IN DWELLING UNITS ARE DESIGNED WITH CLEAR FLOOR SPACES IN ACCORDANCE W/ ICC/ANSI REQUIREMENTS (BASED ON APPROACH).
5. TUB CONTROLS TO BE LEVER TYPE.
6. TUB/SHOWER TO DELIVER WATER THAT IS THERMAL SHOCK PROTECTED TO 120°F MAX
8. REMOVABLE IN-TUB SEAT IS NOT REQUIRED FOR BATHTUB IN DWELLING UNITS AS PER ICC/ANSI 117.1-2003 SECTION 1003.11.8

HANDICAP CODE TYPE A UNIT

1. ALL HARDWARE TO BE LEVER TYPE HARDWARE. ANY LOCKING MECHANISM TO BE ACCESSIBLE PUSH BOTTOM TYPE PER ANSI 1003.5.
2. REFLECTIVE SURFACE OF MIRROR TO BE MAXIMUM HEIGHT 40"AFF.
3. TOILET PAPER DISPENSER TO BE LOCATED 7" MINIMUM AND 9" MAXIMUM IN FRONT OF THE WATER CLOSET MEASURED TO THE CENTERLINE OF THE DISPENSER. THERE SHALL BE A CLEARANCE OF 1 1/2" MINIMUM BELOW THE GRAB BAR.
4. ALL THRESHOLDS TO BE 1/2" MAXIMUM CHANGE IN LEVEL FROM TOP OF THRESHOLD TO FINISHED FLOOR OR PATIO SURFACE.
5. TOILET CENTERLINES TO BE 18" FROM WALL MEASURED FROM FACE OF DRYWALL.
6. RANGE, WASHER AND DRYER TO HAVE FRONT CONTROLS, RANGE HOOD TO HAVE CONTROLS OR SWITCH IN ACCESSIBLE REACH.
7. REFRIGERATOR TO HAVE 50% OF FREEZER 54" AFF MAX.
8. EXTEND FLOOR FINISH UNDER REMOVABLE CABINETS.
9. TOILET FLUSH CONTROLS SHALL BE LOCATED ON THE OUTSIDE OF THE TANK ON THE SIDE WHICH IS AWAY FROM THE WALL.
10. AT SHOWERS AND TUBS PROVIDE OFFSET CONTROLS, HANDHELD SHOWER HOSE, AND SLIDE BAR PER ANSI 1003.11.8.
11. WINDOW CONTROLS MUST BE MAXIMUM 48" AFF.
12. 32" CLEAR OPENING AT ALL PASSAGE DOORS. PROVIDE 36" DOORS.
13. TOWEL BARS AT 48" AFF.
14. PROVIDE BLOCKING FOR VERTICAL GRAB BAR AT SHOWER AND TUB.
15. PROVIDE ONE OUTLET 44" AFF. ON EACH WALL OF KITCHEN THAT IS A DISTANCE GREATER THAN 36" FROM PERPENDICULAR WALL.
16. PROVIDE ONE PORTION OF ROD AND SHELF IN EACH CLOSET AT 48" AFF.

1 TYPE A REQUIREMENTS
1/2" = 1'-0"

KITTLE PROPERTY GROUP INC
310 East 96th Street, Suite 400
Indianapolis, IN 46240
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www.kittleproperties.com

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SEAL

PROJECT TITLE

WEST FORK

WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
OFHA APPLICATION	09/25/23

REVISIONS

MARK	DESCRIPTION	DATE

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PROJECT NO.
22-018

SHEET TITLE
TYPE A REQUIREMENTS

SHEET NUMBER
G-005

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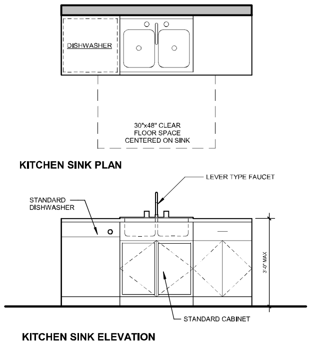
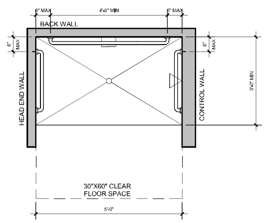
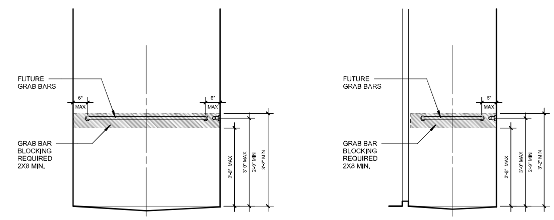


NOTES

1. TYPE "B" ACCESSIBLE KITCHENS TO MEET ICC/ANSI A117.1-2009 SECTION 1004.12
2. TYPE "B" ACCESSIBLE KITCHEN AREAS IN DWELLING UNITS ARE DESIGNED WITH CLEAR FLOOR SPACES IN ACCORDANCE WITH ICC/ANSI REQUIREMENTS (BASED ON APPROACH)
3. STANDARD CABINETS AND STANDARD APPLIANCES MAY BE USED

1 ACCESSIBLE KITCHENS
1/2" = 1' - 0" *FOR TYPE "B" DWELLING UNITS*





NOTES

1. TYPE "B" ACCESSIBLE TRANSFER-TYPE SHOWERS TO MEET ICC/ANSI A117.1-2009 SECTION 1004.11.3.1.3.3.
2. GRAB BARS ARE NOT REQUIRED, PROVIDED REINFORCEMENT IS PROVIDED IN WALLS TO PERMIT INSTALLATION OF GRAB BARS.
3. GRAB BARS IF PROVIDED SHALL BE 1 1/2" DIAMETER W/ 1 1/2" CLEARANCE FROM WALL
4. ACCESSIBLE SHOWER AREAS IN DWELLING UNITS ARE DESIGNED WITH CLEAR FLOOR SPACES IN ACCORDANCE W/ ICC/ANSI REQUIREMENTS (BASED ON APPROACH).
5. SHOWER CONTROL TO BE LEVER TYPE.
6. SHOWER SEAT IS NOT REQUIRED, PROVIDED REINFORCEMENT IS PROVIDED IN WALL TO PERMIT INSTALLATION OF SEAT.

2 ACCESSIBLE SHOWERS (TRANSFER-TYPE)
1/2" = 1' - 0" *FOR TYPE "B" DWELLING UNITS*

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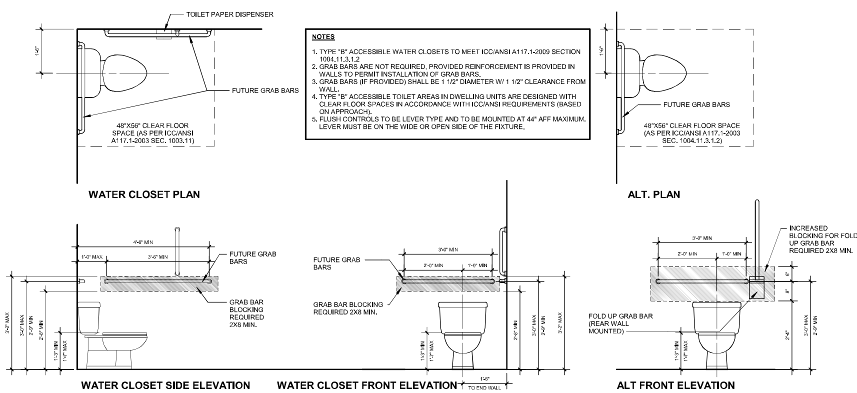
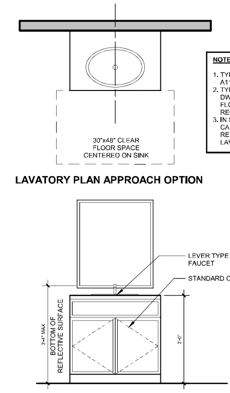


NOTES

1. TYPE "B" ACCESSIBLE WATER CLOSETS TO MEET ICC/ANSI A117.1-2009 SECTION 1004.11.3.1.2
2. GRAB BARS ARE NOT REQUIRED, PROVIDED REINFORCEMENT IS PROVIDED IN WALLS TO PERMIT INSTALLATION OF GRAB BARS.
3. GRAB BARS (IF PROVIDED) SHALL BE 1 1/2" DIAMETER W/ 1 1/2" CLEARANCE FROM WALL.
4. TYPE "B" ACCESSIBLE TOILET AREAS IN DWELLING UNITS ARE DESIGNED WITH CLEAR FLOOR SPACES IN ACCORDANCE WITH ICC/ANSI REQUIREMENTS (BASED ON APPROACH).
5. FLUSH CONTROLS TO BE LEVER TYPE AND TO BE MOUNTED AT 44" AFF MAXIMUM. LEVER MUST BE ON THE WIDE OR OPEN SIDE OF THE FIXTURE.

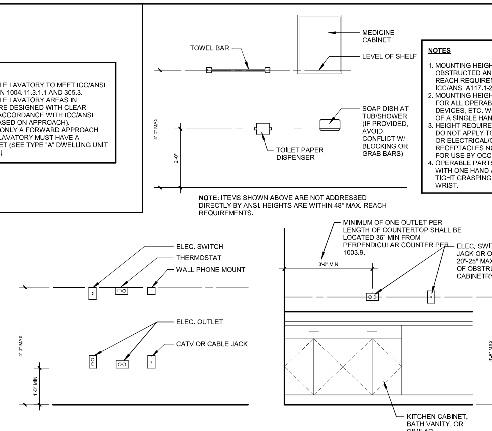
3 ACCESSIBLE WATER CLOSETS
1/2" = 1' - 0" *FOR TYPE "B" DWELLING UNITS*



NOTES

1. TYPE "B" ACCESSIBLE LAVATORY TO MEET ICC/ANSI A117.1-2009 SECTION 1004.11.3.1.1 AND 305.3.
2. TYPE "B" ACCESSIBLE LAVATORY AREAS IN DWELLING UNITS ARE DESIGNED WITH CLEAR FLOOR SPACES IN ACCORDANCE WITH ICC/ANSI REQUIREMENTS (BASED ON APPROACH).
3. IN SPACES WHERE ONLY A FORWARD APPROACH CAN BE ACHIEVED LAVATORY MUST HAVE A REMOVABLE CABINET (SEE TYPE "A" DWELLING UNIT LAVATORY DETAILS)

4 ACCESSIBLE LAVATORIES
1/2" = 1' - 0" *FOR TYPE "B" DWELLING UNITS*



NOTES

1. MOUNTING HEIGHTS ARE BASED ON OBSTRUCTED AND UNOBSTRUCTED REACH REQUIREMENTS AS OUTLET IN ICC/ANSI A117.1-2009 SECTION 308 & 309.
2. MOUNTING HEIGHTS SHOWN HEREIN ARE FOR ALL OPERABLE PARTS, CONTROLS, DEVICES, ETC. WHICH REQUIRE THE USE OF A SINGLE HAND TO ACCESS/OPERATE.
3. HEIGHT REQUIREMENTS SHOWN HEREIN DO NOT APPLY TO SPECIAL EQUIPMENT OR ELECTRICAL/COMMUNICATION SYSTEM RECEPTACLES NOT NORMALLY INTENDED FOR USE BY OCCUPANTS.
4. OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING OR TWISTING OF THE WRIST.

NOTE: ITEMS SHOWN ABOVE ARE NOT ADDRESSED DIRECTLY BY ANSI. HEIGHTS ARE WITHIN 48" MAX. REACH REQUIREMENTS.

5 ACCESSIBLE MOUNTING HEIGHTS
1/2" = 1' - 0" *FOR TYPE "B" DWELLING UNITS*

PROJECT TITLE

WEST FORK

WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
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OFHA APPLICATION	09/25/23

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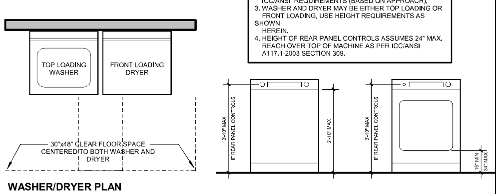
22-018

SHEET TITLE

TYPE B REQUIREMENTS

SHEET NUMBER

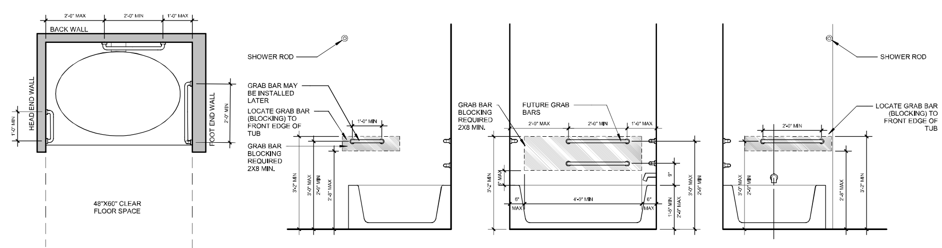
G-006



NOTES

1. TYPE "B" ACCESSIBLE LAUNDRY EQUIPMENT TO MEET ICC/ANSI A117.1-2009 SECTION 1004.10.
2. TYPE "B" ACCESSIBLE LAUNDRY AREAS ARE DESIGNED WITH CLEAR FLOOR SPACES IN ACCORDANCE WITH ICC/ANSI REQUIREMENTS (BASED ON APPROACH).
3. WASHER AND DRYER MAY BE EITHER TOP LOADING OR FRONT LOADING. USE HEIGHT REQUIREMENTS AS SHOWN HEREIN.
4. HEIGHT OF REAR PANEL CONTROLS ASSUMES 24" MAX. REACH OVER TOP OF MACHINE AS PER ICC/ANSI A117.1-2003 SECTION 309.

6 ACCESSIBLE LAUNDRY EQUIPMENT
1/2" = 1' - 0" *FOR TYPE "B" DWELLING UNITS*



NOTES

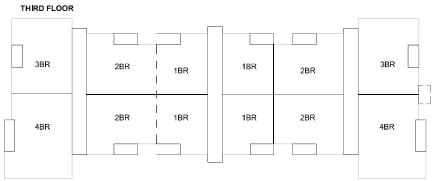
1. TYPE "B" ACCESSIBLE BATHTUBS TO MEET ICC/ANSI A117.1-2009 SECTION 1004.11.3.2 AND 607.
2. GRAB BARS ARE NOT REQUIRED, PROVIDED REINFORCEMENT IS PROVIDED IN WALLS TO PERMIT INSTALLATION OF GRAB BARS.
3. GRAB BARS IF PROVIDED SHALL BE 1 1/2" DIAMETER W/ 1 1/2" CLEARANCE FROM WALL
4. TYPE "B" ACCESSIBLE BATHTUB AREAS IN DWELLING UNITS ARE DESIGNED WITH CLEAR FLOOR SPACES IN ACCORDANCE W/ ICC/ANSI REQUIREMENTS (BASED ON APPROACH).
5. TUB CONTROLS TO BE LEVER TYPE.

HANDICAP CODE TYPE B UNIT

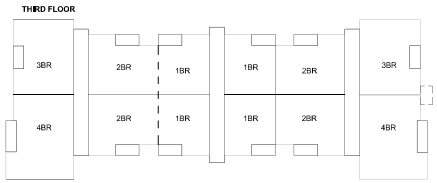
1. ALL HARDWARE TO BE LEVER TYPE HARDWARE. ANY LOCKING MECHANISM TO BE ACCESSIBLE PUSH BOTTOM TYPE PER ANSI 1003.5.
2. REFLECTIVE SURFACE OF MIRROR TO BE MAXIMUM HEIGHT 40"AFF.
3. TOILET PAPER DISPENSER TO BE LOCATED 7" MINIMUM AND 9" MAXIMUM IN FRONT OF THE WATER CLOSET MEASURED TO THE CENTERLINE OF THE DISPENSER. THERE SHALL BE A CLEARANCE OF 1 1/2" MINIMUM BELOW THE GRAB BAR.
4. ALL THRESHOLDS TO BE 1/2" MAXIMUM CHANGE IN LEVEL FROM TOP OF THRESHOLD TO FINISHED FLOOR OR PATIO SURFACE.
5. TOILET CENTERLINES TO BE 18" FROM WALL MEASURED FROM FACE OF DRYWALL.
6. 32" CLEAR OPENING AT ALL PASSAGE DOORS. PROVIDE 36" DOORS.
7. BE 31 3/4" CLEAR OPENING AT ALL PASSAGE DOORS. PROVIDE 34" DOORS.

7 ACCESSIBLE BATHTUBS W/O PERMANENT SEATS
1/2" = 1' - 0" *FOR TYPE "B" DWELLING UNITS*

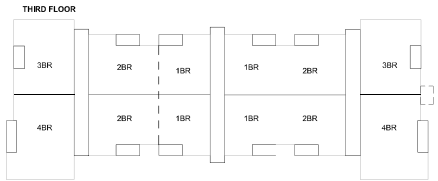
1 TYPE B REQUIREMENTS
1/2" = 1'-0"



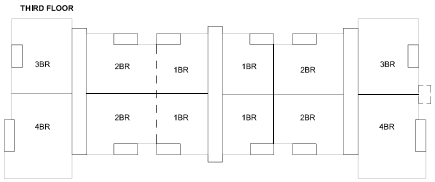
6 BUILDING 6
1/32" = 1'-0"



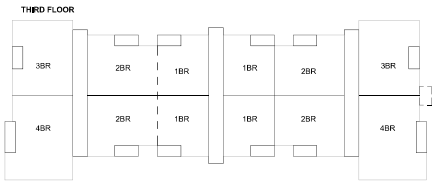
4 BUILDING 4
1/32" = 1'-0"



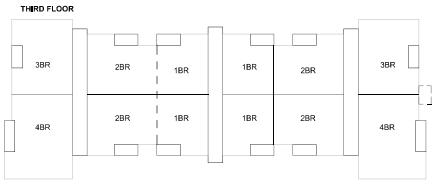
2 BUILDING 2
1/32" = 1'-0"



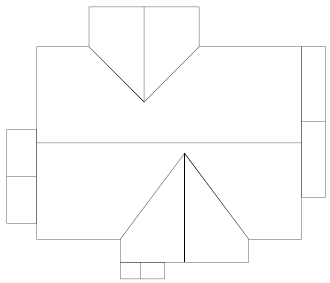
5 BUILDING 5
1/32" = 1'-0"



3 BUILDING 3
1/32" = 1'-0"



1 BUILDING 1
1/32" = 1'-0"



7 CLUBHOUSE
1/16" = 1'-0"

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SEAL

PROJECT TITLE

WEST FORK

WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
OPHA APPLICATION	09/25/23

REVISIONS

MARK	DESCRIPTION	DATE

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PROJECT NO.
22-018

SHEET TITLE
ADDRESSING PLAN

SHEET NUMBER
G-007

T:\01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dr\7 CAD and Revit\BUIDLING 4BR6+2BR18+1BR12 - 9.13.23.rvt

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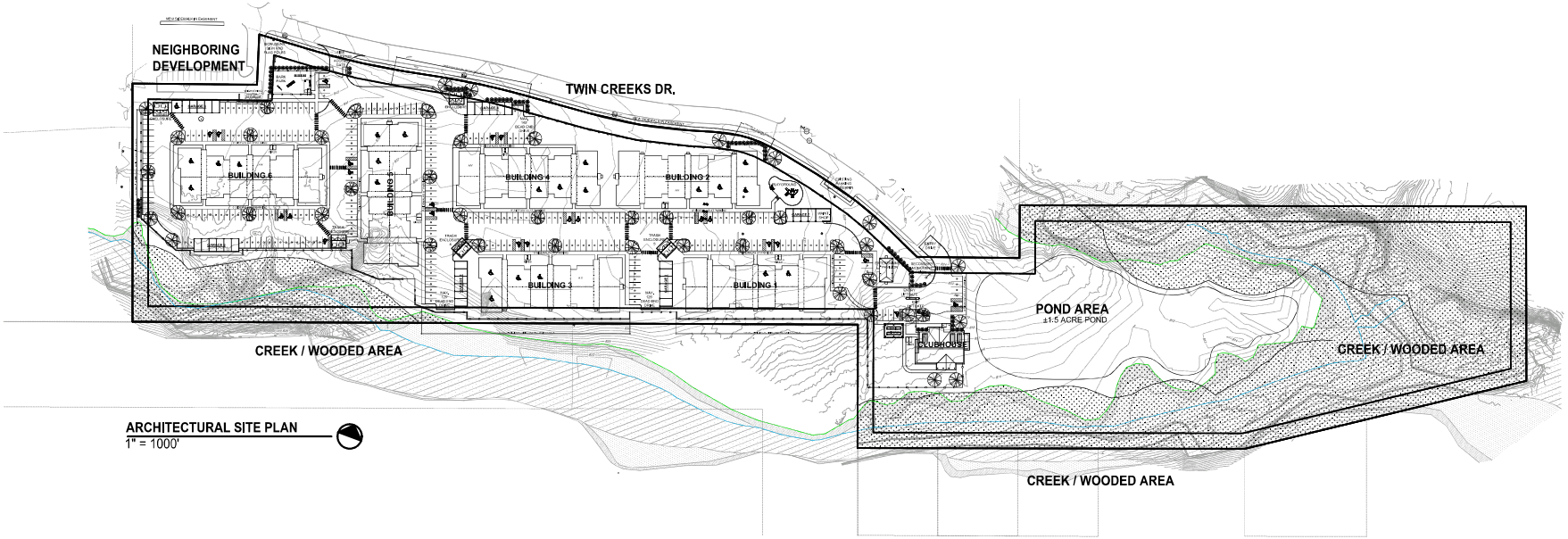

ARCHITECTURAL SITE PLAN
1" = 1000'

SITE DEVELOPMENT DATA:

18.16 ACRE SITE
12.33 DU/ACRE

MATRIX:

(6)1BR12+2BR12+3BR6+4BR6 BUILDINGS
216 - TOTAL UNITS

(72) 1BR UNITS - 33%
(72) 2BR UNITS - 33%
(36) 3BR UNITS - 17%
(36) 4BR UNITS - 17%

AMENITIES

(5) DUMPSTERS
(1) GARAGE A (5 STANDARD BAYS + MAINTENANCE BAY)
(4) GARAGE B (6 STANDARD BAYS)
(1) GARAGE C (5 STANDARD BAYS + 1 ACCESSIBLE BAY)
(1) CLUBHOUSE
(1) MAIL KIOSK
(1) ENTERTAINMENT PAVILION
(1) BARK PARK
(7) 5-LOOP (7 BIKES) BIKE RACKS

PARKING

324 PARKING SPACES (324 REQUIRED)
(34) OF TOTAL ARE GARAGE SPACES
(23) STANDARD ACCESSIBLE SURFACE SPACES
(1) VAN ACCESSIBLE SURFACE SPACE
(1) VAN ACCESSIBLE GARAGE SPACE
(24) TOTAL ACCESSIBLE SPACES

ARCHITECT OF RECORD

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SEAL

PROJECT TITLE

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WILSON ROAD & TWIN CREEKS DR.
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
OFHA APPLICATION	09/25/23

REVISIONS

MARK	DESCRIPTION	DATE
	OWNER REVISION	08.22.23

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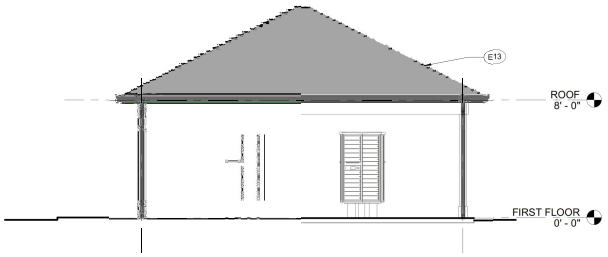
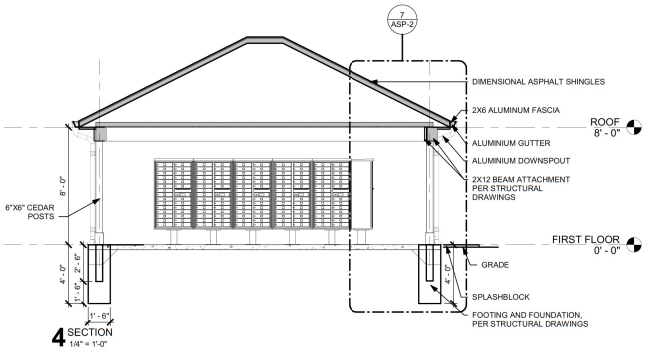
PROJECT NO.
22-018

SHEET TITLE
ARCHITECTURAL SITE PLAN

SHEET NUMBER
ASP-1



3 FRONT/REAR ELEVATION
1/4" = 1'-0"



4 SECTION
1/4" = 1'-0"

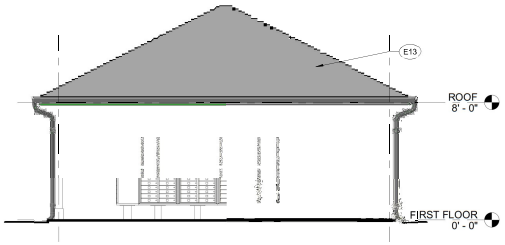
ELEVATION KEYNOTES	
E11	[6"] ALUMINUM GUTTER
E13	DIMENSIONAL ASPHALT SHINGLE ROOF - 30 YEAR WARRANTY

MAIL AND PARCEL BOXES:
CLUSTER PEDESTAL MAILBOX WITH 8 MAILBOXES AND 2 PARCEL BOXES PER UNIT.

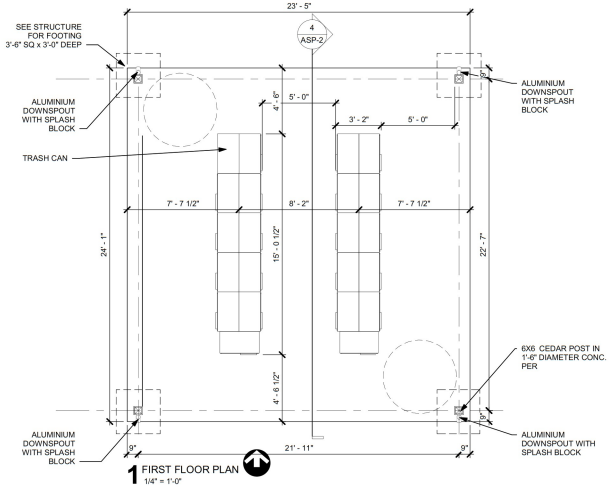
TOTAL REQUIRED: 252 MAILBOXES AND 51 PARCEL BOXES

PROVIDED:

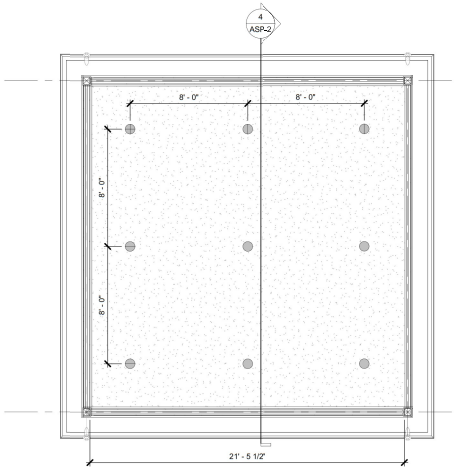
16 CLUSTER BOXES = 252 MAILBOXES
16 CLUSTER BOXES WITH 2 PARCEL BOXES EACH + 6 PARCEL BOXES WITH 4 PARCEL BOXES EACH = 58 PARCEL BOXES



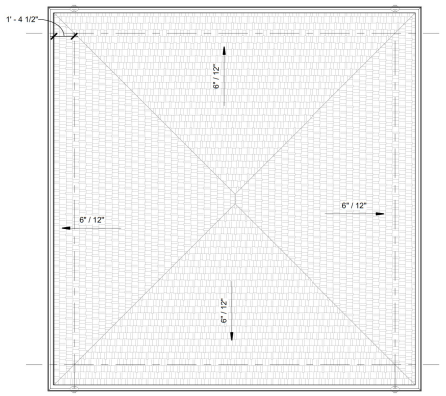
2 SIDE ELEVATION
1/4" = 1'-0"



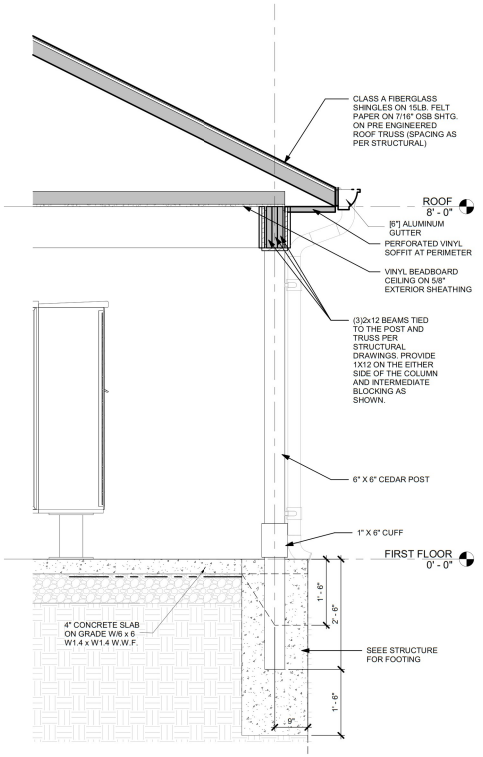
1 FIRST FLOOR PLAN
1/4" = 1'-0"



6 REFLECTED CEILING PLAN
1/4" = 1'-0"



5 ROOF PLAN
1/4" = 1'-0"



7 ENLARGED DETAIL
3/4" = 1'-0"

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SEAL

PROJECT TITLE

TWIN CREEK
WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
OFHA APPLICATION	09/25/23

REVISIONS

MARK	DESCRIPTION	DATE

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PROJECT NO.
22-018

SHEET TITLE
MAIL KIOSK DRAWINGS

SHEET NUMBER
ASP-2

T:\01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dr\7 CAD and Revit\AMENITIES\MAIL KIOSK.rvt
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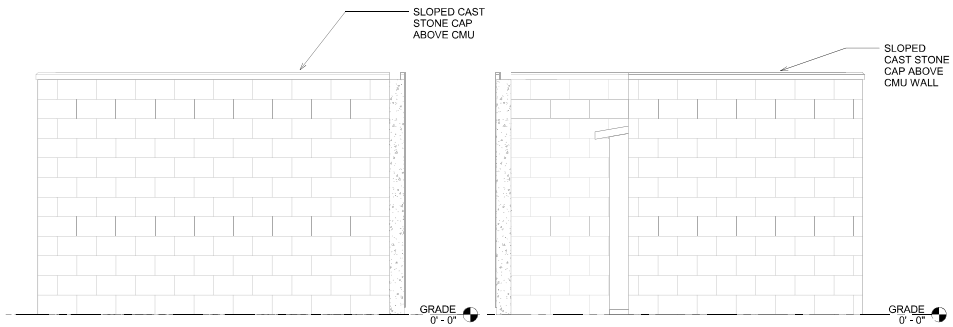
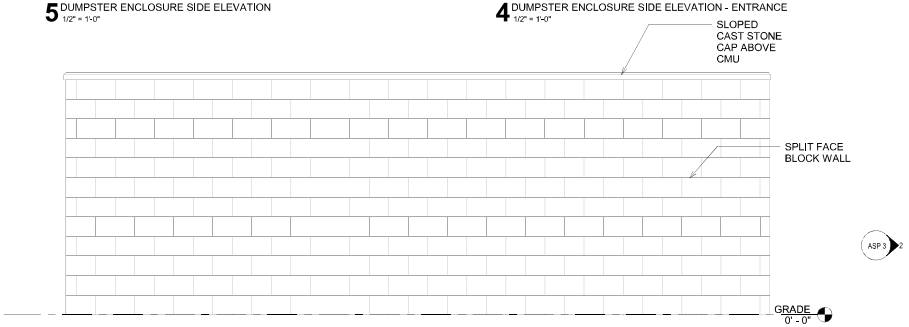
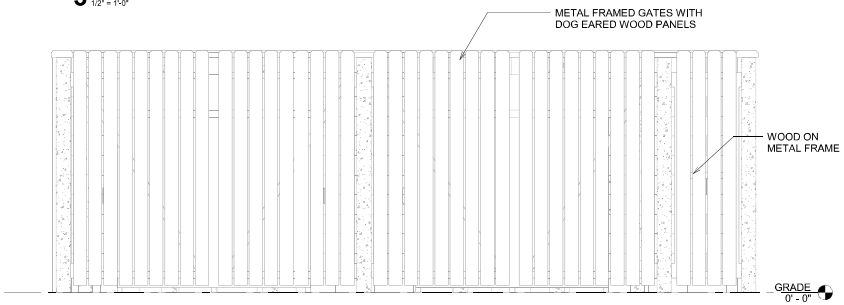


5 DUMPSTER ENCLOSURE SIDE ELEVATION
1/2" = 1'-0"

4 DUMPSTER ENCLOSURE SIDE ELEVATION - ENTRANCE
1/2" = 1'-0"

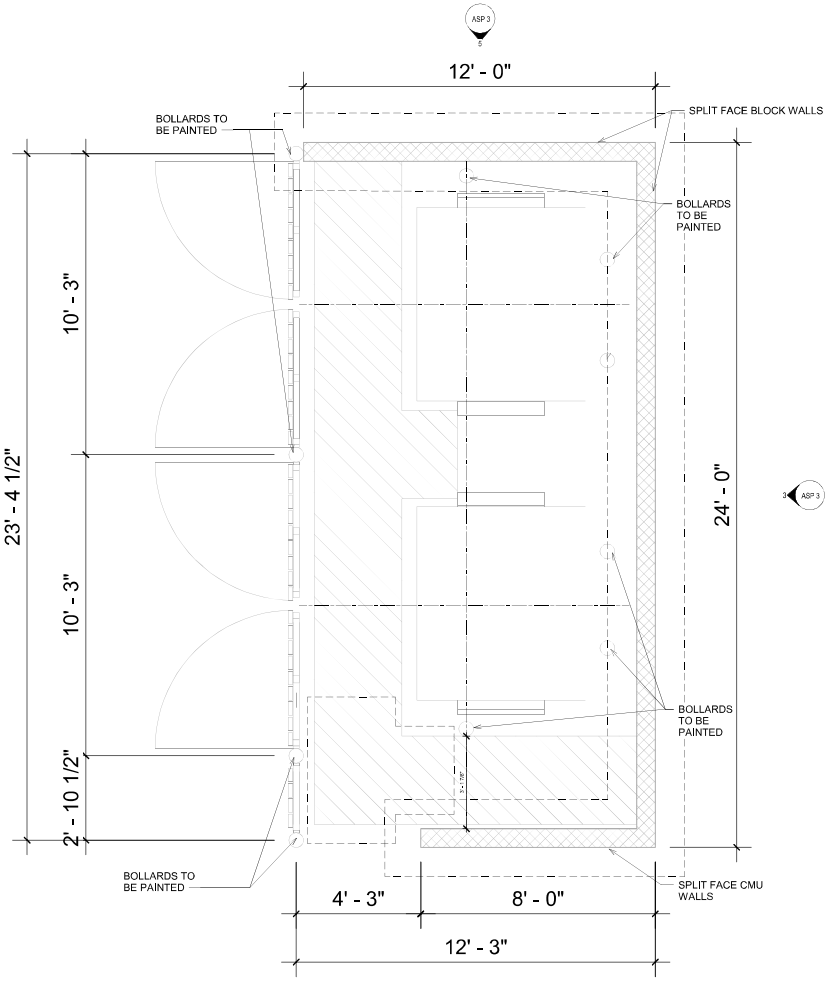


3 DUMPSTER ENCLOSURE REAR ELEVATION
1/2" = 1'-0"



2 DUMPSTER ENCLOSURE FRONT ELEVATION
1/2" = 1'-0"

NOTE:
- COORDINATE ENTRANCE SIDE OF DUMPSTER ENCLOSURE WITH ARCHITECTURAL AND CIVIL SITE PLAN(S).
- COORDINATE GATE DETAILS AND FIXED FENCING WITH ARCHITECTURAL AND CIVIL SITE PLAN(S).



1 DUMPSTER ENCLOSURE FLOOR PLAN
1/2" = 1'-0"

4 ASP 3

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PROJECT TITLE

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COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
OPHA APPLICATION	08/25/23

REVISIONS

MARK	DESCRIPTION	DATE

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PROJECT NO.

22-018

SHEET TITLE

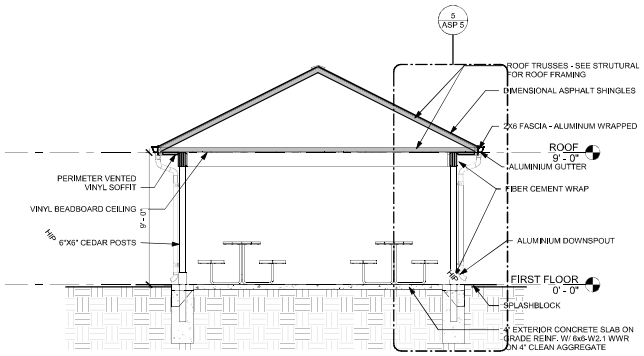
DUMPSTER ENCLOSURE - CMU

SHEET NUMBER

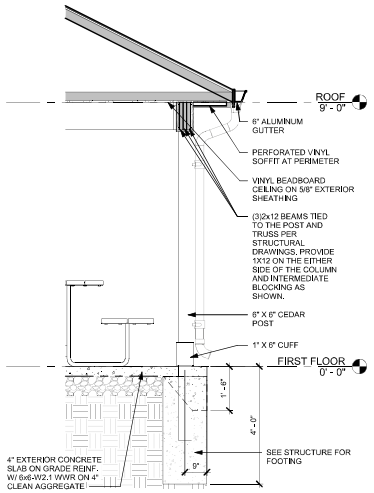
ASP 3

T:\01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dr\7 CAD and Revit\AMENITIES\DUMPSTER ENCLOSURE - CMU.rvt

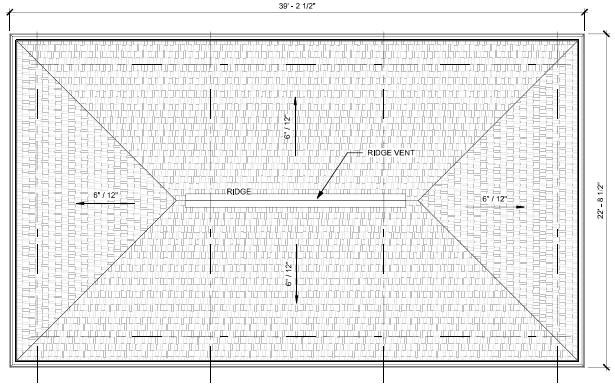
9/25/2023 10:31:04 AM



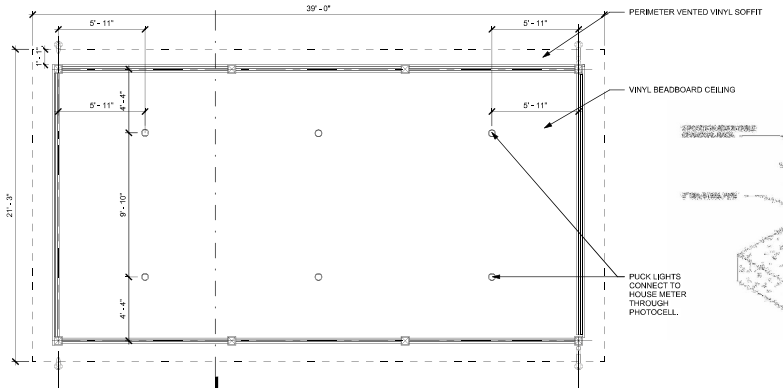
4 SECTION
1/4" = 1'-0"

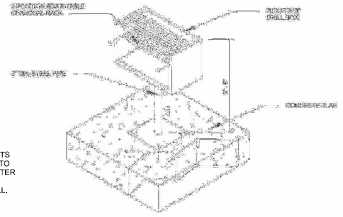


5 SECTION - DETAIL
1/2" = 1'-0"

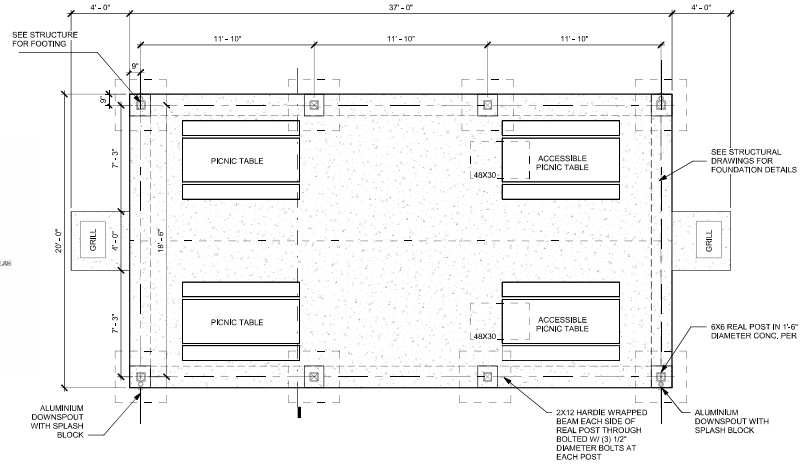


2 ROOF PLAN
1/4" = 1'-0"





3 REFLECTED CEILING PLAN
1/4" = 1'-0"



1 ENTERTAINMENT AREA - FLOOR PLAN
1/4" = 1'-0"

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COLUMBUS, OH 43204

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OFHA APPLICATION	09/25/23

REVISIONS

MARK	DESCRIPTION	DATE

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PROJECT NO.
22-018

SHEET TITLE
ENTERTAINMENT PAVILION PLAN AND DETAILS

SHEET NUMBER
ASP 5

T:\01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dr\7 CAD and Revit\AMENITIES\ENTERTAINMENT PAVILION.rvt

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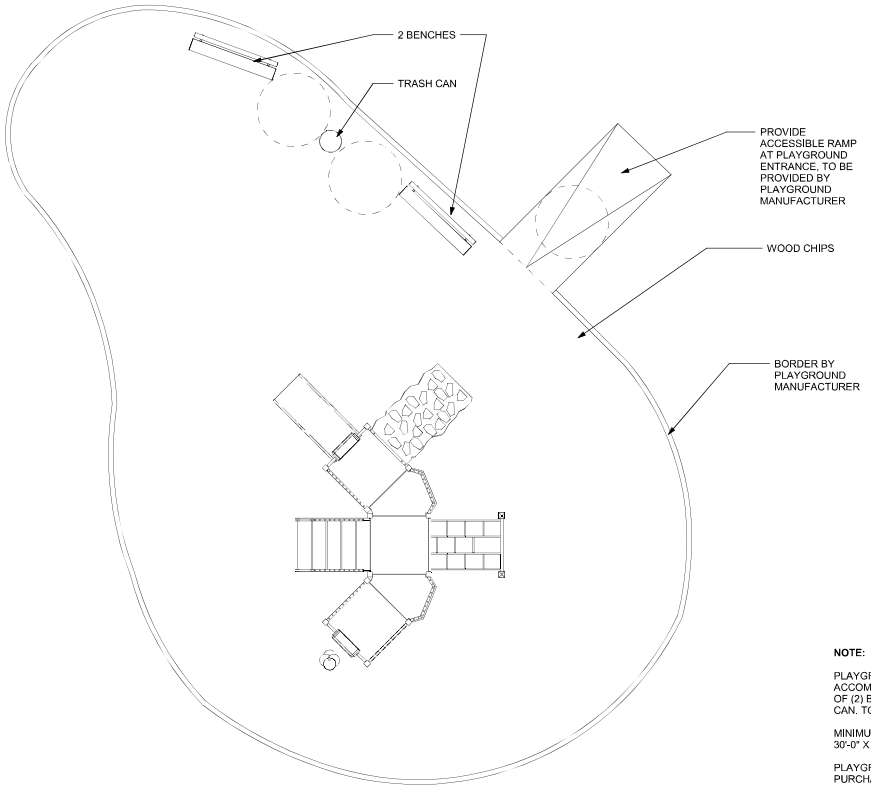

1 PLAYGROUND PLAN
1/4" = 1'-0"

NOTE:

PLAYGROUND MUST BE ACCOMPANIED BY A MINIMUM OF (2) BENCHES AND (1) TRASH CAN. TO BE SELECTED BY

MINIMUM PLAYGROUND SIZE IS 30'-0" X 50'-0"

PLAYGROUND EQUIPMENT PURCHASED BY OWNER

1553 SF PLAYGROUND AREA

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PROJECT NO.

22-018

SHEET TITLE

PLAYGROUND PLAN AND DETAILS

SHEET NUMBER

ASP 6

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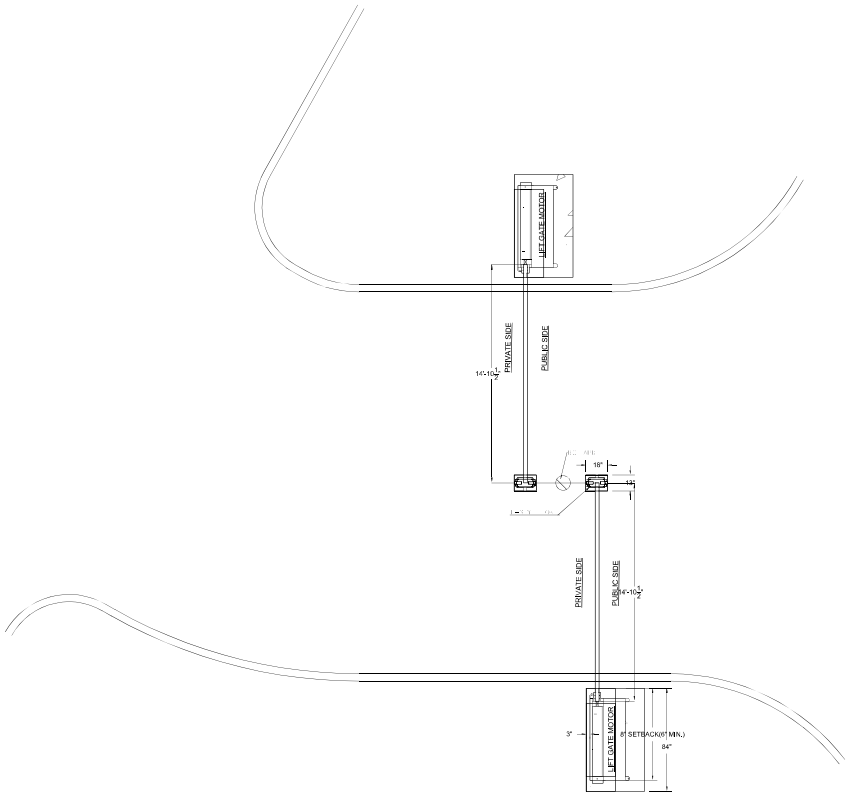
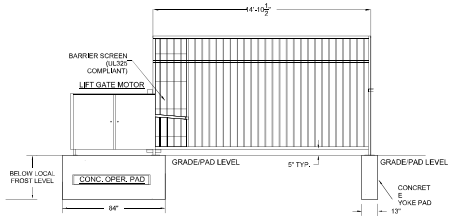
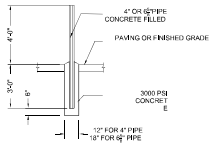


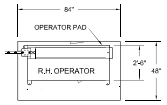
1 LIFT GATE DETAILS
1/4" = 1'-0"



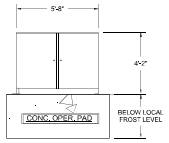
TYPICAL LIFT GATE ELEVATION



PIE BOLLARD



CONTROL BOX DETAIL



ELEVATION

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22-018

SHEET TITLE

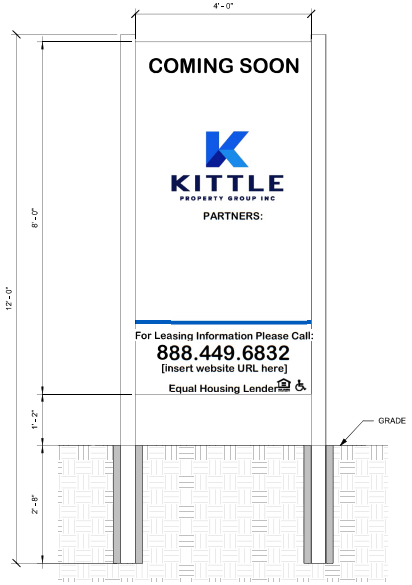
LIFT GATE PLANS AND DETAILS

SHEET NUMBER

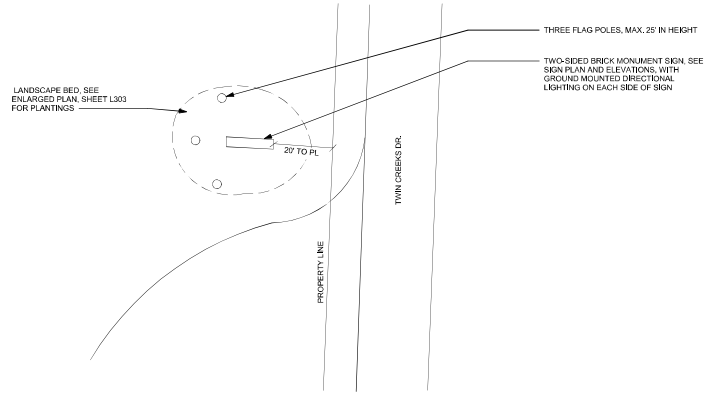
ASP-7

T:\01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dr\7 CAD and Revit\BUIDLING 4BR6+2BR18+1BR12 - 9.13.23.rvt

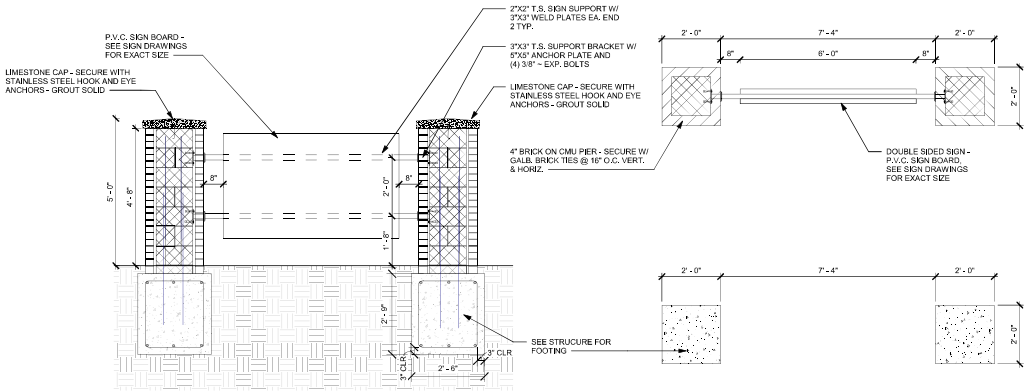
9/21/2023 4:56:40 PM



3 CONSTRUCTION SIGN
3/4" = 1'-0"



2 MONUMENT SIGN PLAN
N.T.S.



1 MONUMENT SIGN DETAILS
1/2" = 1'-0"

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SEAL

PROJECT TITLE

WEST FORK

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COLUMBUS, OH 43204

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PROJECT NO.

22-018

SHEET TITLE

MONUMENT SIGN

SHEET NUMBER

ASP 8

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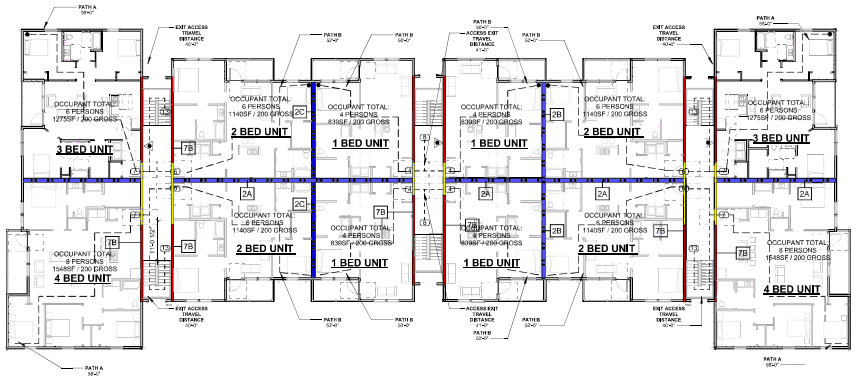
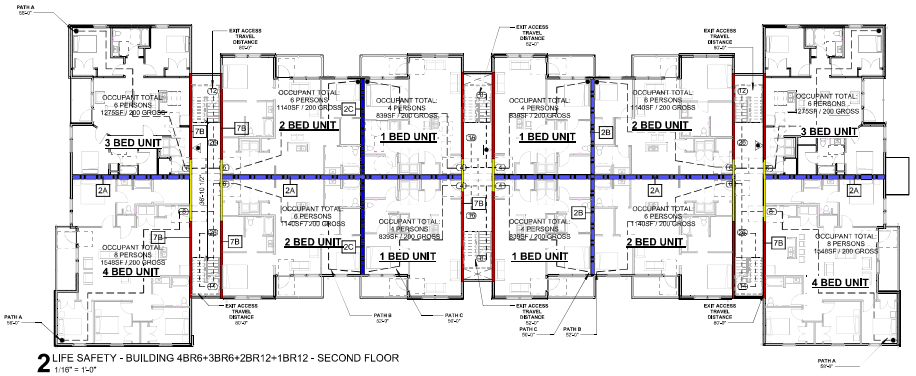
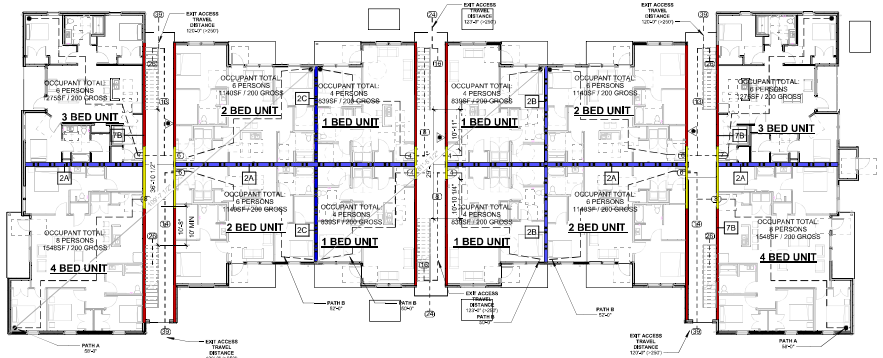


3 LIFE SAFETY - BUILDING 4BR6+3BR6+2BR12+1BR12 - THIRD FLOOR
1/16" = 1'-0"



2 LIFE SAFETY - BUILDING 4BR6+3BR6+2BR12+1BR12 - SECOND FLOOR
1/16" = 1'-0"



1 LIFE SAFETY - BUILDING 4BR6+3BR6+2BR12+1BR12 - FIRST FLOOR
1/16" = 1'-0"

LIFE SAFETY PLAN NOTES

1. PROVIDE FIRE EXTINGUISHERS AS SHOWN ON THIS DRAWING
2. COMPLY WITH NFPA 10. STANDARD FOR PORTABLE FIRE EXTINGUISHERS, 2002 EDITION. IN RESIDENTIAL PORTION OF BUILDING, MAXIMUM TRAVEL DISTANCE FROM ANY POINT TO FIRE EXTINGUISHER IS 75' FOR ALL CLASS A HAZARD OCCUPANCIES PER NFPA 10, TABLE 5.2.1 IN RESIDENTIAL PORTION, MAXIMUM TRAVEL DISTANCE IS 50' FOR CLASS B HAZARDS WITH 80-B EXTINGUISHER RATING PER NFPA 10, TABLE 5.3.1, CLASS A AREA OF COVERAGE IN RESIDENTIAL POTION OF BUILDING IS 4540 SF (500 SF LESS THAN 4000 SF FOR MAXIMUM AREA FOR EXTRA HAZARD OCCUPANCY). GLASS B AREA OF COVERAGE IN GARAGE IS 2040 SF.
3. FOR RESIDENTIAL AREAS, FIRE EXTINGUISHERS ARE TO BE PLACED IN CABINETS AND HAVE SIGNAGE ON DOOR AS SPECIFIED BELOW. FOR GARAGE AREAS, FIRE EXTINGUISHER CABINETS ARE NOT REQUIRED PROVIDE MOUNTING BRACKETS AND FIRE EXTINGUISHER SIGNAGE (INCLUDING DIRECTIONAL ARROW) AT 7' ABOVE FINISH FLOOR ABOVE EACH FIRE EXTINGUISHER LOCATION.
4. THE MAXIMUM PROJECTION FOR OBJECTS BETWEEN 27" AND 80" ABOVE THE FLOOR IS 4" ACCORDING TO FAIR HOUSING (PAGE 2.19), FEDERAL A.D.A. (SECTION .4), AND ICC/ANSI A117.1, (SECTION 307.2). RECESSED OR SEMI-RECESSED CABINETS ARE THEREFORE REQUIRED FOR FIRE EXTINGUISHERS.
5. MOUNT EXTINGUISHERS SO LATCH OF CABINET IS NO HIGHER THAN 48" ABOVE FINISH FLOOR.
6. BREEZEWAYS WALLS ARE RATED 1-HOUR PER I.B.C. TABLE 1004.3.2.1. FIRE EXTINGUISHER CABINETS ARE THEREFORE REQUIRED TO BE 1-HOUR FIRE-RATED.

LEGEND	
- - - - - - -	EGRESS ROUTE
	1 HR FIRE PARTITION - U341 - WALL TYPE 2A/2B
	1 HR FIRE BARRIER - V337 - WALL TYPE 7B
	2 HR FIRE RATED - U366 - WALL TYPE 2C
	1 HR FIRE PARTITION - V337 - WALL TYPE 7B
	FIRE EXTINGUISHER - LOCATE THE FIRE EXTINGUISHER IN SEMI-RECESSED CABINET

* FP: FIRE PARTITION - FRCC FOR VINYL SIDING U-DESIGN V337

NOTE:

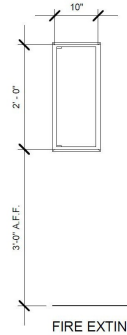
UL DESIGN LISTING:

FLOOR ASSEMBLY - UL L558

CEILING TO ROOF ASSEMBLY - UL P522

EXTERIOR WALLS - UL U356

FIRE PENETRATIONS F-C-2024



FIRE EXTINGUISHER
FRONT ELEVATION

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SEAL

PROJECT TITLE

WEST FORK
WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
OFHA APPLICATION	09/25/23

REVISIONS

MARK	DESCRIPTION	DATE

DO NOT SCALE PRINTS - USE FIGURED DIMENSIONS ONLY

PROJECT NO.

22-018

SHEET TITLE

4BR6+3BR6+2BR12+1BR12
LIFE SAFETY PLANS

SHEET NUMBER

AL-100

T:\01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dr\7 CAD and Revit\BUIDLING 4BR6+2BR18+1BR12 - 9.13.23.rvt

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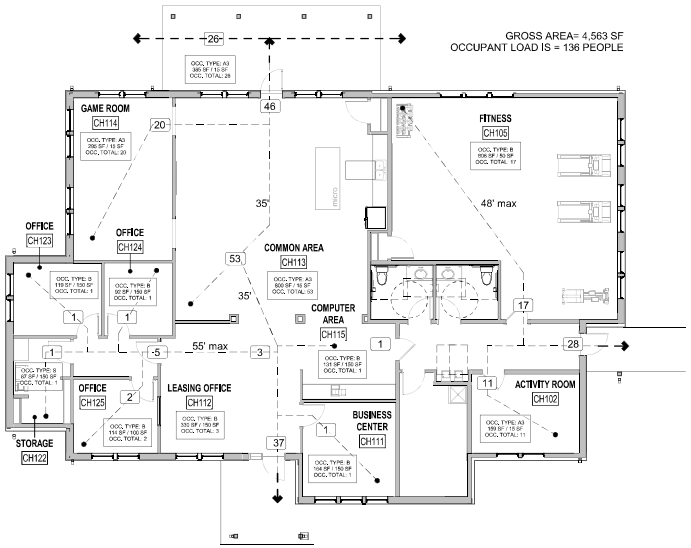
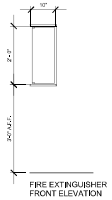


1 FIRST FLOOR
1/8" = 1'-0"



LIFE SAFETY PLAN NOTES

1. ALL DOORS TO BE KEYLESS IN DIRECTION OF EGRESS. THUMB TURN HARDWARE NOTALLOWED.
2. ALL FIRE RATED DOORS TO BE SELF CLOSING AND LATCHING.
3. PROVIDE SAFETY GLAZING AT GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL ADJACENT TO A DOOR WHERE THE NEAREST EXPOSED EDGE OF THE GLAZING IS WITHIN A 24" ARC OF EITHER VERTICAL EDGE OF THE DOOR IN A CLOSED POSITION AND WHERE THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 60" ABOVE THE WALKING SURFACE.
4. EXIT SIGNAGE REQUIREMENT: SIGNS TO BE MOUNTED 5'-0" A.F.F. TO CENTERLINE ON WALL AT OPPOSITE SIDE OF DOOR IN A POSITION THAT IS READILY VISIBLE WHEN THE DOORS ARE IN OPEN AND CLOSED POSITIONS.
5. PROVIDE AND INSTALL 8"X8" ACCESS PANEL IN ALL GYP. BD. SOFFITS AND CEILINGS AT ALL FIRE DAMPERS, PLUMBING SHUT-OFF VALVES AND PLUMBING CLEAN-OUTS.
6. AN APPROVED KEY KNOX BOX WILL BE PROVIDED AND INSTALLED AS PER THE CITY OF COLUMBUS STANDARDS IN A LOCATION DETERMINED BY THE CITY.
7. ALL MEANS OF EGRESS AND FIRE PROTECTION SHALL BE MAINTAINED AT ALL TIMES.
8. EXIT SIGNS SHALL BE INTERNALLY ILLUMINATED.
9. INTERNALLY ILLUMINATED SIGNS SHALL BE LISTED AND LABELED AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
10. EXIT SIGNS SHALL BE ILLUMINATED AT ALL TIMES.
11. EXIT SIGNS SHALL BE CONNECTED TO AN EMERGENCY POWER SYSTEM THAT WILL PROVIDEAN ILLUMINATION OF NOT LESS THAN 90 MIN. IN CASE OF PRIMARY POWER LOSS.
12. DOOR HANDLES, LOCK AND OTHER OPERATING DEVICES SHALL BE INSTALLED AT A MIN. 34" AND A MAX. 48" ABOVE THE FINISH FLOOR.
13. THE MEANS OF EGRESS, INCLUDING THE EXIT DISCHARGE, SHALL BE ILLUMINATED AT ALLTIMES THE BUILDING SPACE SERVED BY THE MEANS OF EGRESS IS OCCUPIED. THE MEANS OF EGRESS ILLUMINATION LEVEL SHALL NOT BE LESS THAN 1 FOOT-CANDLE AT THE WALKING SURFACE.
14. ALL EXIT DOORS:
    A. CLEAR WIDTH OF EACH DOOR OPENING SHALL BE MIN. 32" OR PER TABLE 1005.1 WHICHEVER IS GREATER
    B. MIN. DOOR HEIGHT OF 6'-8"
    C. SHALL BE CAPABLE OF OPENING 90 DEGREES
    D. THE MAXIMUM WIDTH OF A SWINGING DOOR LEAF SHALL BE 48" NOMINAL
    E. EXIT DOOR SHALL BE SIDE-HINGED SWINGING TYPE.
15. PROVIDE A MINIMUM CORRIDOR WIDTH OF 44".
16. ADDITIONAL DIRECTIONAL EXIT SIGNAGE MAY BE REQUIRED BY THE CITY AT THE TIME OF FINAL INSPECTION.
17. ELECTRICALLY POWERED, SELF LUMINOUS AND PHOTO LUMINESCENT EXIT SIGNS SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL 924 AND SHALL BE INSTALLED INACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. SIGNS SHALL BE ILLUMINATED AT ALL TIMES.

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DO NOT SCALE PRINTS - USE FIGURED DIMENSIONS ONLY

PROJECT NO.

22-018

SHEET TITLE

CLUBHOUSE - LIFE SAFETY DIAGRAM

SHEET NUMBER

ACL-100

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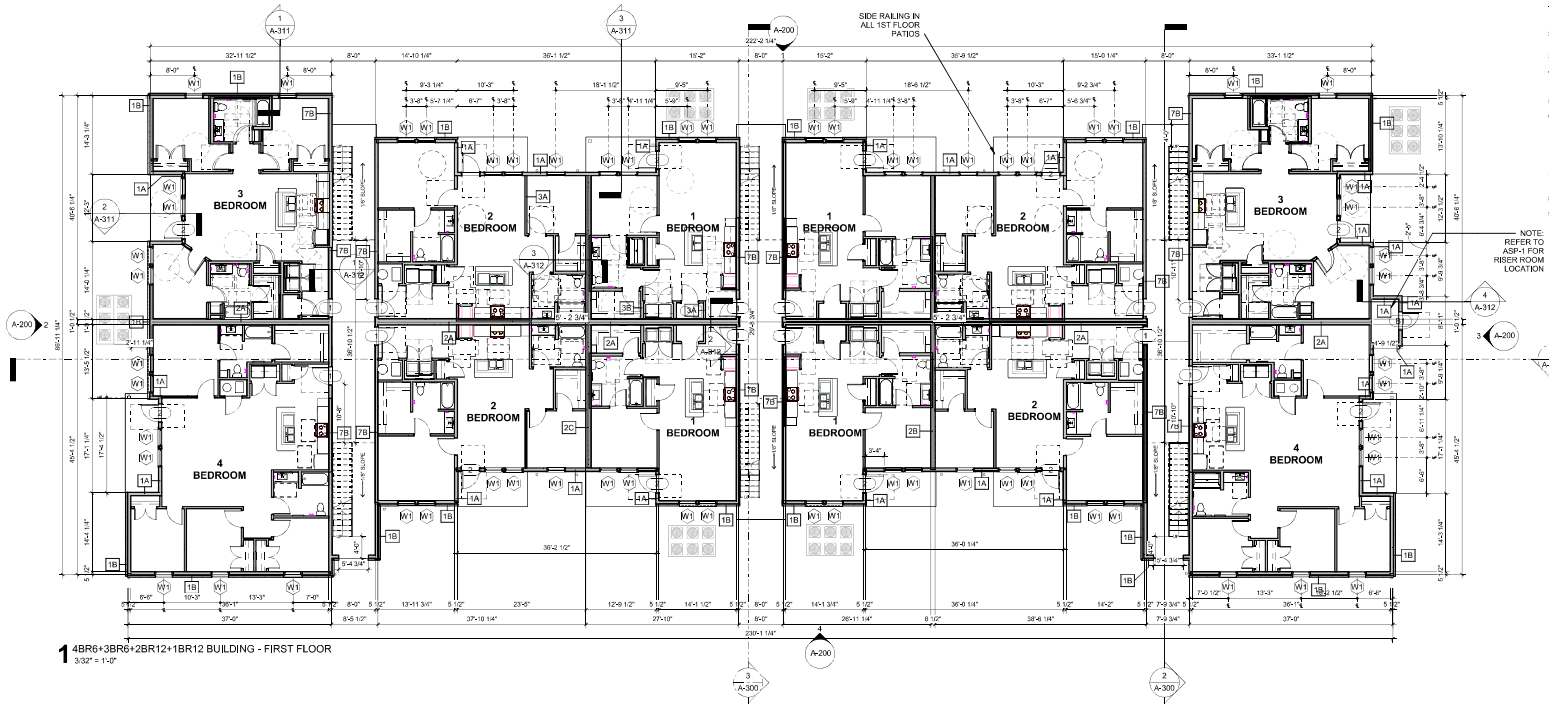

1 4BR6+3BR6+2BR12+1BR12 BUILDING - FIRST FLOOR
3/32" = 1'-0"

ARCHITECTURAL GENERAL NOTES

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4. ANY AND ALL PENETRATIONS SHALL BE SEALED (WITH SEALANT) TO PREVENT ANY TYPE OF ENERGY LOSS.
5. VERIFY ALL EXISTING CONDITIONS PRIOR TO START OF CONSTRUCTION. NOTIFY THE CONTRACT MANAGER IMMEDIATELY OF ANY CONFLICTS PRIOR TO PROCEEDING WITH WORK.
6. THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL APPLICABLE DIMENSIONS OF FIXTURES AND EQUIPMENT SUPPLIED AND/OR INSTALLED BY OTHERS.
7. THE POSTING OF AN OFFICIAL DESIGN RELEASE PLACARD AND THE MAINTENANCE OF ONE SET OF STATE-STAMPED PLANS AND SPECIFICATIONS ON THE JOB SITE ARE REQUIRED.
8. THE SUB-CONTRACTOR SHALL FILE ALL DRAWINGS FOR PERMIT APPLICATION OR OTHER MATERIALS REQUIRED TO SECURE ANY AND ALL BUILDING PERMITS AS MIGHT BE REQUIRED BY ANY LOCAL ORDINANCES TO PERFORM THIS WORK.
9. THE DRAWINGS SHALL NOT BE SCALED, FOR INFORMATION CONCERNING EXISTING, PARTITIONS, ETC. VERIFICATIONS SHALL BE PERFORMED IN THE FIELD.
10. THE USE OF THE WORDS "PROVIDE" OR "PROVIDED" IN CONNECTION WITH ANY ITEM SPECIFIED IS INTENDED TO MEAN, UNLESS OTHERWISE NOTED, THAT SUCH SHALL BE FURNISHED AND INSTALLED, AND CONNECTED WHERE SO REQUIRED.
11. UPON COMPLETION OF PROJECT, OBTAIN ALL FINAL INSPECTIONS AS REQUIRED BY LOCAL JURISDICTIONS AND FURNISH OWNER WITH EVIDENCE OF ALL SUCH INSPECTIONS AND CERTIFICATES OF OCCUPANCY.
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23. ALL FIRST UNIT ARE ADAPTABLE.

INSULATION NOTES

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2. INSULATION TO BE INSTALLED TO GRADE I STANDARDS PER ENERGY STAR ASHRAE 90.1.2010 OR CURRENT ADOPTED OHIO STANDARDS WITH NO GAPS OR VOIDS OR COMPRESSION.
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9. ACOUSTIC INSULATION USED IN INTERIOR DESMISING WALL AND FLOOR/CEILING ASSEMBLIES

FLOOR PLAN LEGEND

M01 DOOR TAG
W1 WINDOW TAG
3B WALL TAG

UNIT COUNT

1 BEDROOM UNIT - 12
2 BEDROOM UNIT - 12
3 BEDROOM UNIT - 6
4 BEDROOM UNIT - 6

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SEAL

PROJECT TITLE

WEST FORK
WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
OFHA APPLICATION	09/25/23

REVISIONS

MARK	DESCRIPTION	DATE

DO NOT SCALE PRINTS - USE FIGURED DIMENSIONS ONLY

PROJECT NO.
22-018

SHEET TITLE
4BR6+3BR6+2BR12+1BR12
FIRST FLOOR PLAN

SHEET NUMBER
A-100

T:\01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dr\7 CAD and Revit\BUIDLING 4BR6+2BR18+1BR12 - 9.13.23.rvt

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ARCHITECTURAL GENERAL NOTES

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FLOOR PLAN LEGEND

M01 DOOR TAG
W1 WINDOW TAG
3B WALL TAG

UNIT COUNT

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2 BEDROOM UNIT - 12
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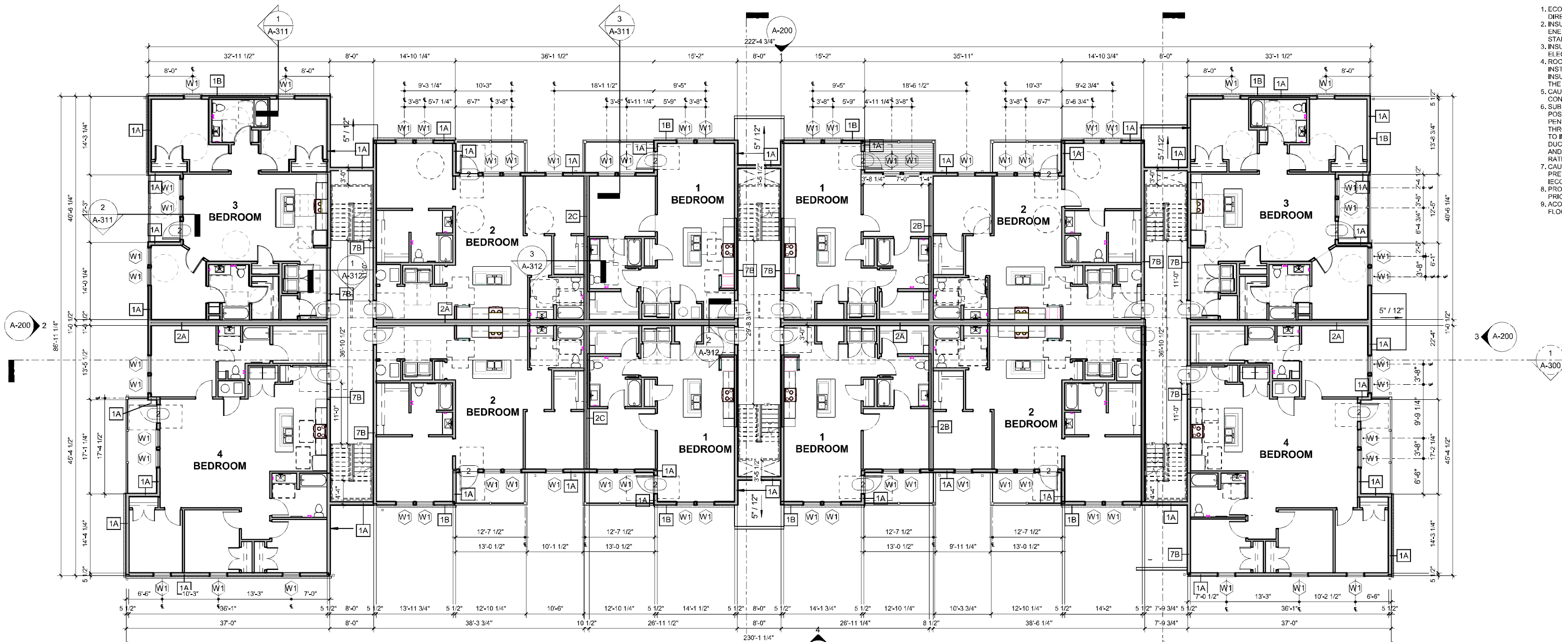

1 4BR6+3BR6+2BR12+1BR12 BUILDING - SECOND FLOOR
3/32" = 1'-0"

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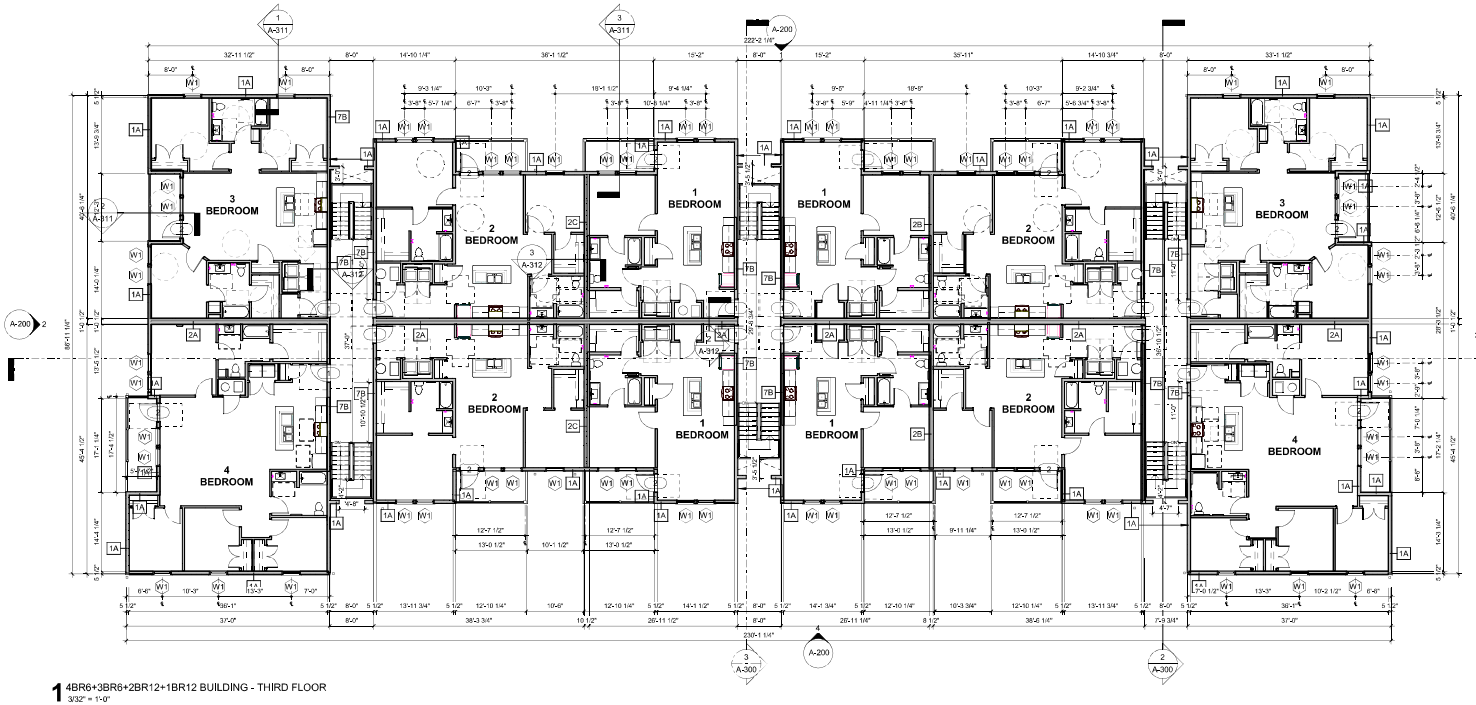
PROJECT NO.
22-018

SHEET TITLE
4BR6+3BR6+2BR12+1BR12
SECOND FLOOR PLAN

SHEET NUMBER
A-101



1 4BR6+3BR6+2BR12+1BR12 BUILDING - THIRD FLOOR
3/32" = 1'-0"

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7. THE POSTING OF AN OFFICIAL DESIGN RELEASE PLACARD AND THE MAINTENANCE OF ONE SET OF STATE-STAMPED PLANS AND SPECIFICATIONS ON THE JOB SITE ARE REQUIRED.
8. THE SUB-CONTRACTOR SHALL FILE ALL DRAWINGS FOR PERMIT APPLICATION OR OTHER MATERIALS REQUIRED TO SECURE ANY AND ALL BUILDING PERMITS AS MIGHT BE REQUIRED BY ANY LOCAL ORDINANCES TO PERFORM THIS WORK.
9. THE DRAWINGS SHALL NOT BE SCALED. FOR INFORMATION CONCERNING EXITING, PARTITIONS, ETC. VERIFICATIONS SHALL BE PERFORMED IN THE FIELD.
10. THE USE OF THE WORDS "PROVIDE" OR "PROVIDED" IN CONNECTION WITH ANY ITEM SPECIFIED IS INTENDED TO MEAN, UNLESS OTHERWISE NOTED, THAT SUCH SHALL BE FURNISHED AND INSTALLED, AND CONNECTED WHERE SO REQUIRED.
11. UPON COMPLETION OF PROJECT, OBTAIN ALL FINAL INSPECTIONS AS REQUIRED BY LOCAL JURISDICTIONS AND FURNISH OWNER WITH EVIDENCE OF ALL SUCH INSPECTIONS AND CERTIFICATES OF OCCUPANCY.
12. UPON COMPLETION OF PROJECT, PROVIDE OWNER WITH ALL INSTRUCTION MANUALS, WARRANTIES, OR OTHER DOCUMENTS REQUIRED FOR OPERATION OR MAINTENANCE OF ANY ITEM IN THE CONTRACTORS' WORK.
13. THESE CONSTRUCTION NOTES AND/OR DRAWINGS ARE SUPPLIED TO ILLUSTRATE THE DESIGN AND GENERAL TYPE OF CONSTRUCTION DESIRED AND ARE INTENDED TO IMPLY THE FINEST QUALITY OF CONSTRUCTION MATERIAL AND WORKMANSHIP THROUGHOUT.
14. THE GENERAL CONTRACTOR SHALL MAINTAIN A CURRENT AND COMPLETE SET OF CONSTRUCTION DOCUMENTS AT THE SITE DURING ALL PHASES OF CONSTRUCTION FOR USE BY ALL TRADES.
15. ALL MEANS OF EGRESS AND FIRE PROTECTION SHALL BE MAINTAINED AT ALL TIMES. ANY SHUT DOWN OF LIFE SAFETY OR BUILDING SYSTEMS SHALL BE APPROVED AND COORDINATED IN ADVANCE WITH THE OWNER AND LOCAL BUILDING DEPARTMENT.
16. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL DRAWINGS AND SPECIFICATIONS PRIOR TO BEGINNING WORK AND/OR PLACING ORDERS.
17. TYPICAL SECTIONS MAY NOT BE INDICATED ON PLAN SHEETS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO USE TYPICAL SECTIONS WHERE REQUIRED.
18. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY BRACING AND/OR SHORING UNTIL THE PERMANENT BRACING IS IN PLACE.
19. ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. SEE MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION REGARDING THE SIZE AND QUANTITY OF OPENINGS, SLAB REQUIREMENTS AND UNITS.
20. THESE DRAWINGS ARE NOT TO BE SEPERATED.
21. ALL DIMENSIONS ARE TO FACE OF FRAMING UN LESS NOTED OTHERWISE.
22. REFER TO SITE PLAN FOR LOCATION OF ACCESSIBLE AND AV UNITS.
23. ALL FIRST UNIT ARE ADAPTABLE.

INSULATION NOTES

1. R20 BATT IS TO BE USED, DO NOT INSET STAPLE, STAPLE DIRECTLY TO THE FACE OF THE STUD.
2. INSULATION TO BE INSTALLED TO GRADE I STANDARDS PER ENERGY STAR ASHRAE 90.1-2010 OR CURRENT ADOPTED OHIO STANDARDS WITH NO GAPS OR VOIDS OR COMPRESSION.
3. INSULATION IS TO BE SPLIT AND INSTALLED AROUND PIPES AND ELECTRICAL WIRING, AVOID COMPRESSING INSULATION.
4. ROOF INSULATION SHALL NOT BE COMPRESSED AFTER INSTALLATION. RULERS ARE TO BE USED AND ADDITIONAL INSULATION IS TO BE ADDED IF R-VALUE DECREASES BEFORE THE END OF CONSTRUCTION.
5. CAULK PERIMETER BEHIND DRYWALL AT EXTERIOR BOUNDARY CONDITIONS AND ALL PARTY WALLS.
6. SUBCONTRACTORS TO USE THE SMALLEST PENETRATIONS POSSIBLE AND TO PROPERLY SEAL ALL OF THEIR PENETRATIONS THROUGH EXTERIOR AND PARTY WALLS, AND THROUGH ALL FLOORS AND CEILINGS USING MASTIC OR CAULK, TO INCLUDE BUT NOT LIMITED TO PLUMBING, ELECTRICAL, DUCTS, SHAFTS AND LIGHT FIXTURES. USE FIRE RATED CAULK AND/OR COLLARS WHERE NECESSARY TO MAINTAIN FIRE RATINGS.
7. CAULK PERIMETER AND PARTY WALL SILL AND TOP PLATES TO PREVENT AIR LEAKAGE SO AS TO BE IN COMPLIANCE WITH ICC IECC SECTION R 402.4.1.2 OR C 402.4 AS APPLICABLE.
8. PROPERLY SEAL AIR GAPS IN EXTERIOR AND FLOOR FRAMING PRIOR TO INSTALLATION OF INSULATION.
9. ACOUSTIC INSULATION USED IN INTERIOR DESMISING WALL AND FLOOR/CEILING ASSEMBLIES

FLOOR PLAN LEGEND

- M01 DOOR TAG
- W1 WINDOW TAG
- 3B WALL TAG

UNIT COUNT

1 BEDROOM UNIT - 12
2 BEDROOM UNIT - 12
3 BEDROOM UNIT - 6
4 BEDROOM UNIT - 6

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310 East 96th Street, Suite 400
Indianapolis, IN 46240
(317) 846-3111
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SEAL

PROJECT TITLE

WEST FORK
WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
OFHA APPLICATION	09/25/23

REVISIONS

MARK	DESCRIPTION	DATE

DO NOT SCALE PRINTS - USE FIGURED DIMENSIONS ONLY

PROJECT NO.
22-018

SHEET TITLE
4BR6+3BR6+2BR12+1BR12 - THIRD FLOOR PLAN

SHEET NUMBER
A-102

T:\01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dr\7 CAD and Revit\BUIDLING 4BR6+2BR18+1BR12 - 9.13.23.rvt
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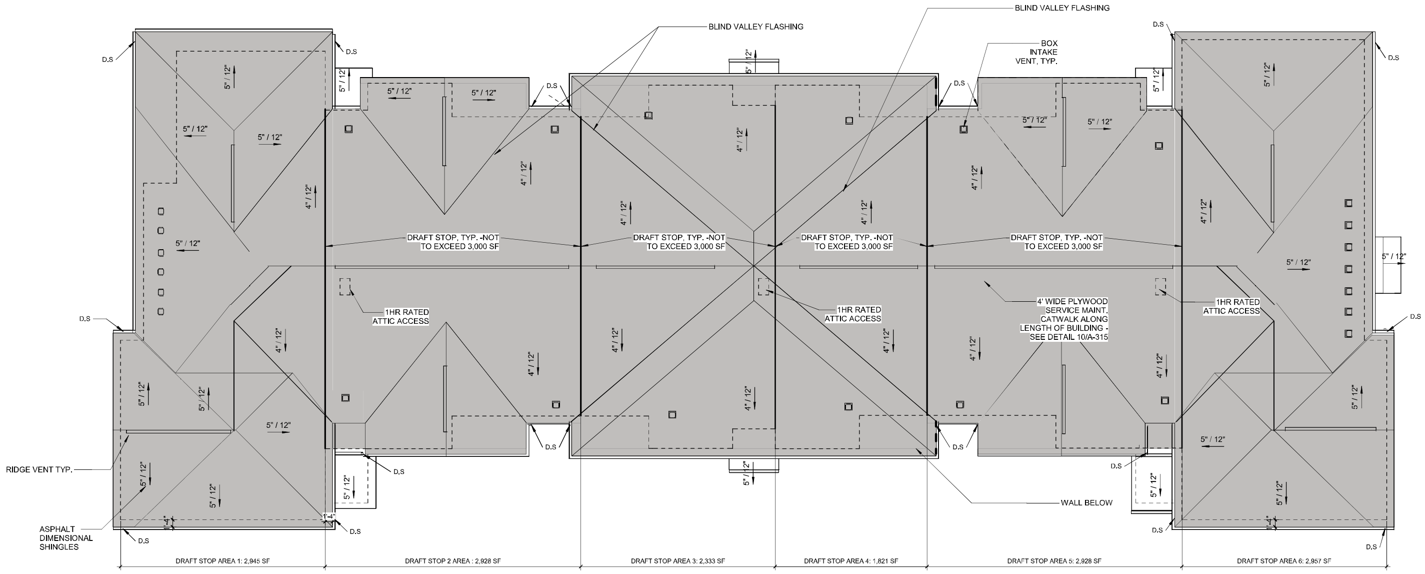
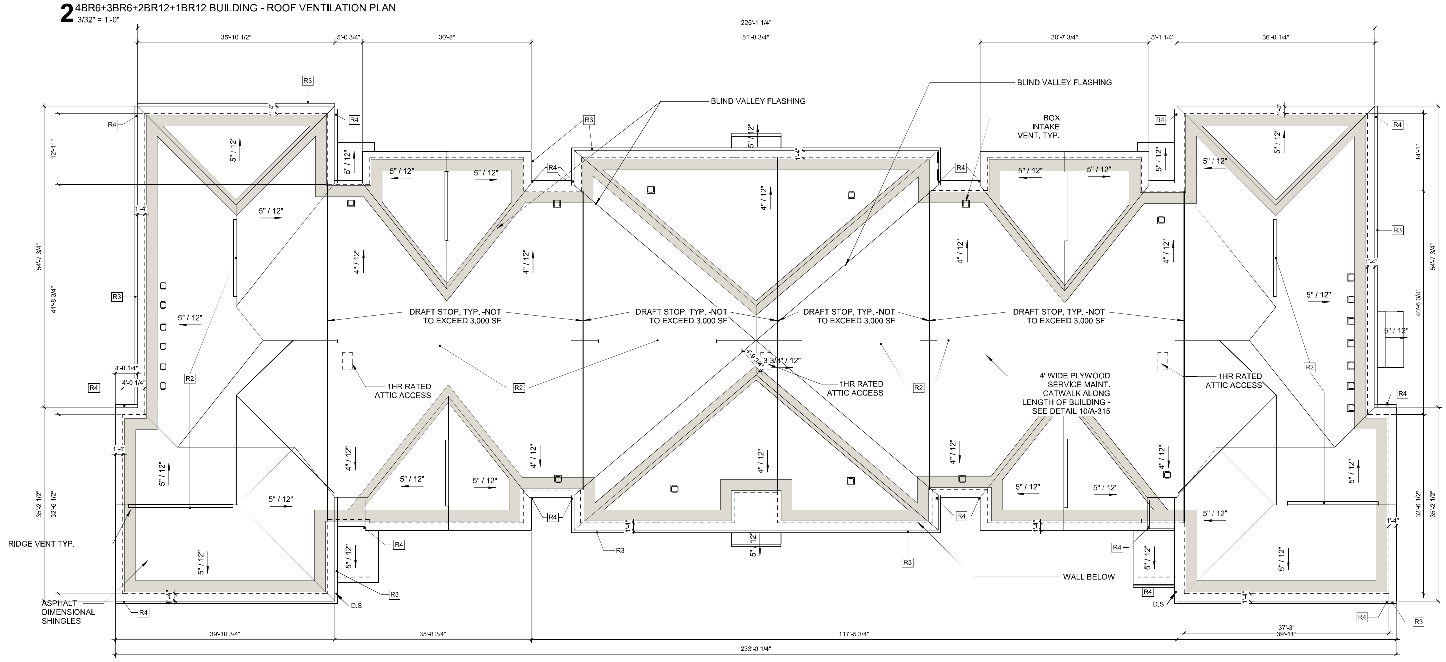


2 4BR6+3BR6+2BR12+1BR12 BUILDING - ROOF VENTILATION PLAN
3/32" = 1'-0"



1 4BR6+3BR6+2BR12+1BR12 BUILDING - ROOF PLAN
3/32" = 1'-0"

T:\01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dr\7 CAD and Revit\BUILDING 4BR6+2BR18+1BR12 - 9.13.23.rvt

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ARCHITECTURAL GENERAL NOTES

1. CONFORM ALL CONSTRUCTION TO ALL APPLICABLE CODES IN FORCE WITHIN THE JURISDICTION OF THE PROJECT. IF ANY SUCH RULES AND/OR REGULATIONS ARE IN CONFLICT WITH ANY PORTION OF THESE DOCUMENTS, THE CONSTRUCTION MANAGER SHALL BE INFORMED PRIOR TO PROCEEDING.
2. ALL INTERIOR BUILDING FINISHES SHALL CONFORM TO ALL APPLICABLE CODES IN FORCE WITHIN THE JURISDICTION OF THE PROJECT.
3. THE SUB-CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND JOB CONDITIONS PRIOR TO COMMENCING WORK AND SHALL REPORT TO THE GENERAL CONTRACTOR ANY DISCREPANCIES OR OMISSIONS WHICH WOULD INTERFERE WITH SATISFACTORY COMPLETION OF THE WORK.
4. ANY AND ALL PENETRATIONS SHALL BE SEALED (WITH SEALANT) TO PREVENT ANY TYPE OF ENERGY LOSS.
5. VERIFY ALL EXISTING CONDITIONS PRIOR TO START OF CONSTRUCTION. NOTIFY THE CONTRACT MANAGER IMMEDIATELY OF ANY CONFLICTS PRIOR TO PROCEEDING WITH WORK.
6. THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL APPLICABLE DIMENSIONS OF FIXTURES AND EQUIPMENT SUPPLIED AND/OR INSTALLED BY OTHERS.
7. THE POSTING OF AN OFFICIAL DESIGN RELEASE PLACARD AND THE MAINTENANCE OF ONE SET OF STATE-STAMPED PLANS AND SPECIFICATIONS ON THE JOB SITE ARE REQUIRED.
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FLOOR PLAN LEGEND

- M01 DOOR TAG
- W1 WINDOW TAG
- 3B WALL TAG

KEYNOTE LEGEND

KEYNOTE	KEYNOTE TEXT
R2	RIDGE VENT
R3	ALUMINUM GUTTER
R4	DOWNSPOUTS TO TIE INTO STORM DRAINS

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PROJECT TITLE

WEST FORK

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COLUMBUS, OH 43204

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OFHA APPLICATION	09/25/23

REVISIONS

MARK	DESCRIPTION	DATE

DO NOT SCALE PRINTS - USE FIGURED DIMENSIONS ONLY

PROJECT NO.
22-018

SHEET TITLE
4BR6+2BR18+1BR12 - ROOF PLAN

SHEET NUMBER
A-103

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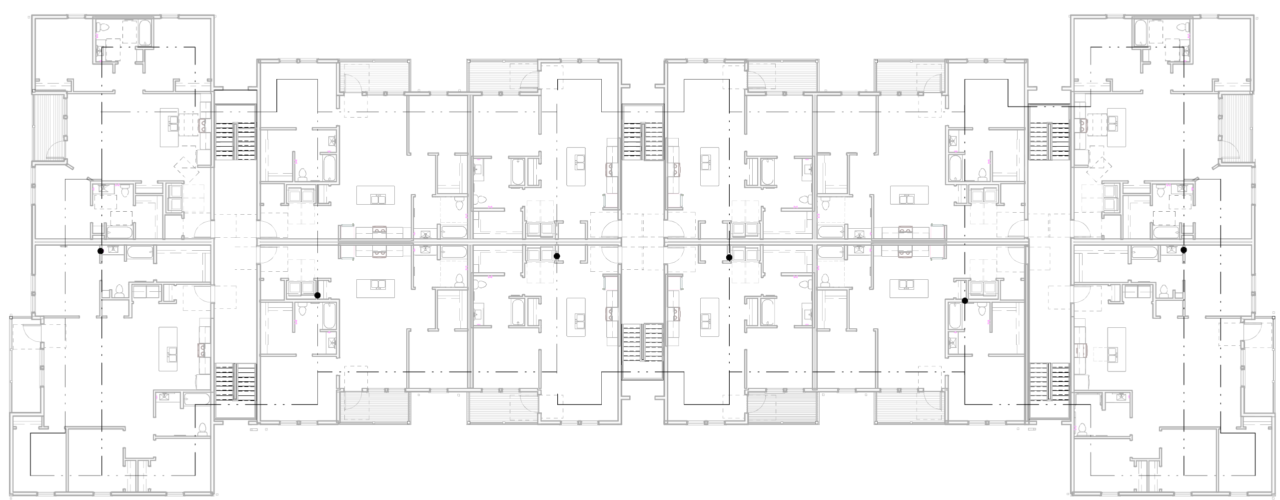
LEGEND

- VERTICAL 4" PVC PIPE *
- RADON PIPES LOCATION

NOTES:
RADON VERTICAL PIPES NEED TO BE EVERY 2,000 SF MAX
*CHASE 4" PVC VENT STACK AND EXTRACTOR PIT, CONTINUE VENT STACK TO ATTIC SPACE AND VENT THROUGH ROOF, SEE MECH DETAIL



1 VAPOR MITIGATION SYSTEM PLAN - 3BR12+2BR12+1BR12 BUILDING
3/32" = 1'-0"

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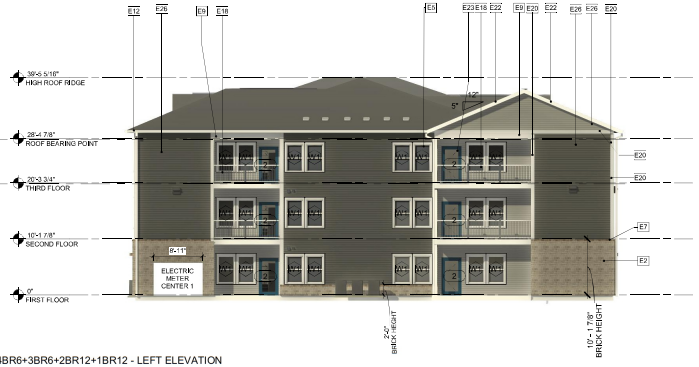
PROJECT NO.
22-018

SHEET TITLE
VAPOR MITIGATION SYSTEM PLAN - 4BR6+2BR18+1BR12 BUILDING

SHEET NUMBER
A-111

1 4BR6+3BR6+2BR12+1BR12 - FRONT ELEVATION
3/32" = 1'-0"

3 4BR6+3BR6+2BR12+1BR12 - RIGHT ELEVATION
3/32" = 1'-0"



2 4BR6+3BR6+2BR12+1BR12 - LEFT ELEVATION
3/32" = 1'-0"

4 4BR6+3BR6+2BR12+1BR12 - REAR ELEVATION
3/32" = 1'-0"

ELEVATIONS KEYNOTES

Key Value	Keynote Text
E1	DIMENSIONAL ASPHALT SHINGLE ROOF - 30 YEAR WARRANTY
E2	BRICK
E5	VINYL WINDOWS - SEE WINDOW SCHEDULE
E6	1X6 TRIM BETWEEN WINDOWS - PAINTED, SATIN FINISH
E7	BRICK SILL
E8	BRICK HEADER
E9	WOOD BEAM / 1X12 HARDIE WRAP ONLY ON EXPOSED FACE - SEE STRUCTURE FOR DIM
E10	6X6" REAL POST COLUMN, CUFFED IN FIBER CEMENT BASE AND CAP - ALL PORCHES AND BALCONIES
E12	6" ALUMINUM GUTTER & DOWNSPOUTS, PRE FINISHED
E13	DOWNSPOUTS (TYP.) TO TIE INTO STORM DRAINS
E15	RIDGE VENT
E18	COMPOSITE RAILING
E20	1x4 FIBERCEMENT TRIM BOARD, PAINTED, SATIN FINISH
E22	2X6 WRAPPED ALUMINUM FASCIA
E23	FIBERGLAS PATIO ENTRY DOOR PAINTED, SATIN FINISH
E24	VINYL SIDING - COLOR 3
E25	VINYL SIDING - COLOR 1
E26	VINYL SIDING - COLOR 2
E27	WALL PACKS - 20' AT APARTMENT BUILDINGS
E28	STEEL RAILING - ONLY AT BREZEWAYS AND STAIRS

BUILDING MATERIAL BREAKDOWN

VINYL SIDING - 80%
BRICK - 20%

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PROJECT NO.
22-018

SHEET TITLE
BUILDING EXTERIOR ELEVATIONS

SHEET NUMBER
A-200

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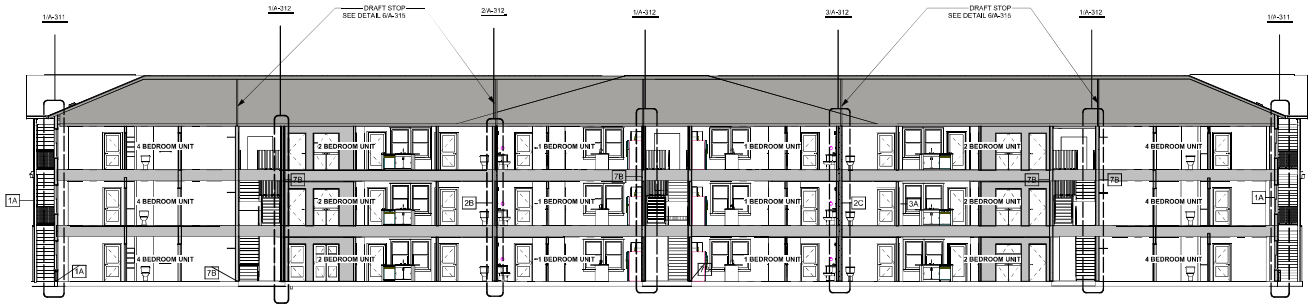
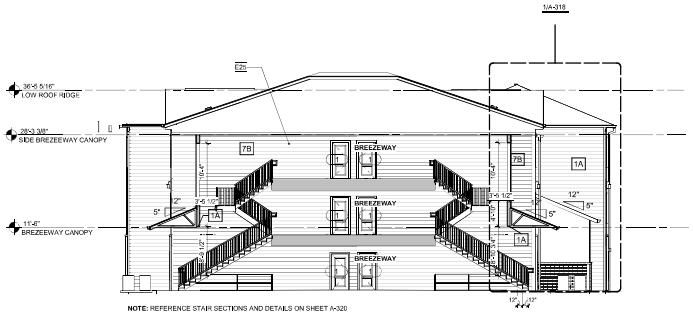
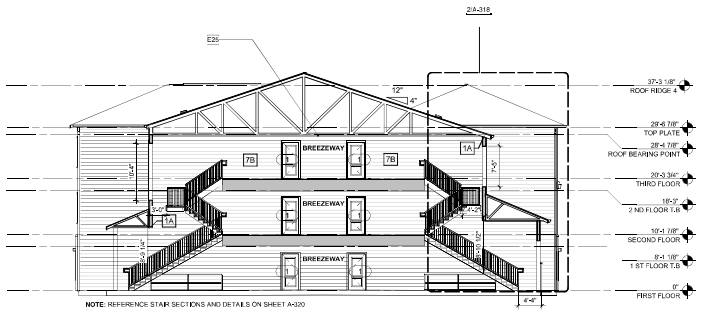


1 BUILDING 4BR6+3BR6+2BR12+1BR12 SECTION A
3/32" = 1'-0"



3 BUILDING 4BR6+3BR6+2BR12+1BR12 SECTON C
3/32" = 1'-0"



2 BUILDING 4BR6+3BR6+2BR12+1BR12 SECTION B
3/32" = 1'-0"

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22-018

SHEET TITLE

BUILDING SECTIONS

SHEET NUMBER

A-300

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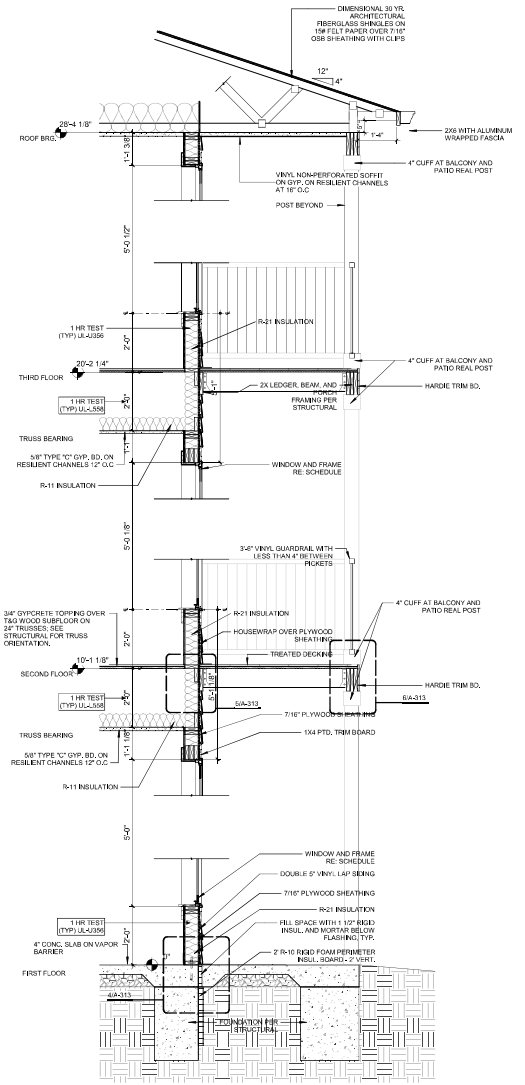
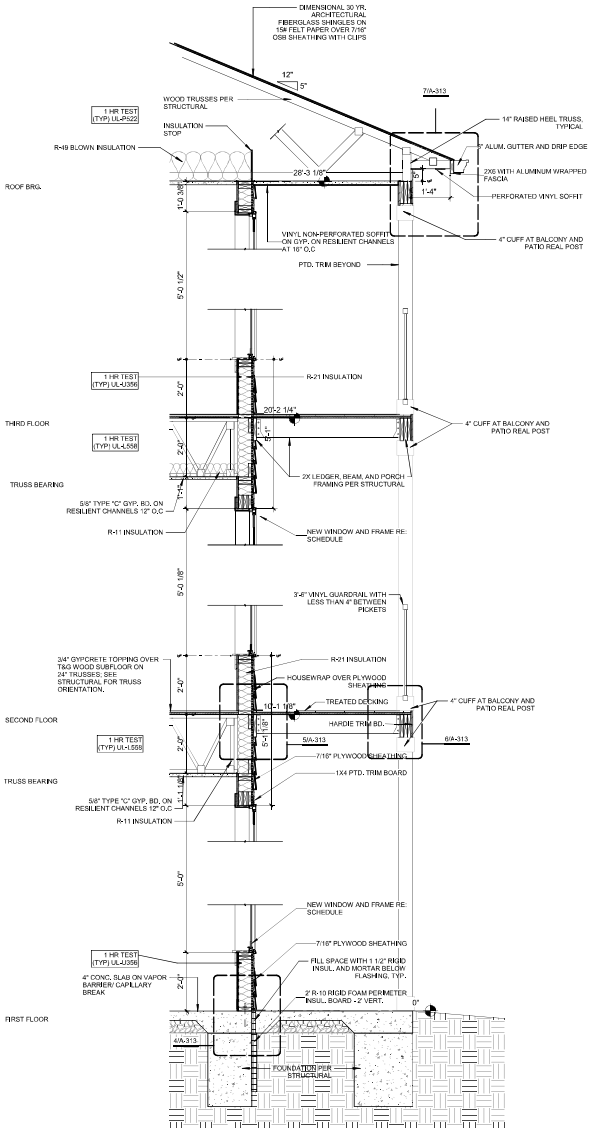
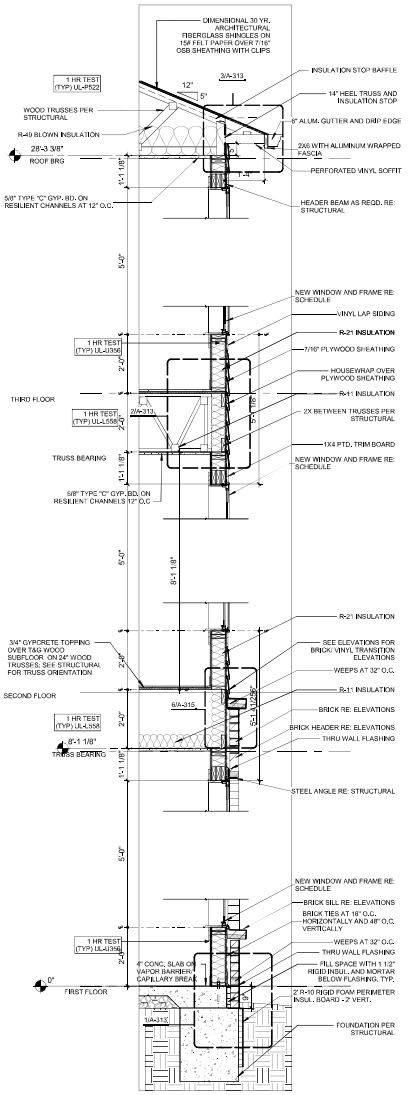


3 WALL SECTION 1A
1/2" = 1'-0"



2 WALL SECTION 1A
1/2" = 1'-0"



1 WALL SECTION 1A/1B
1/2" = 1'-0"

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PROJECT NO.

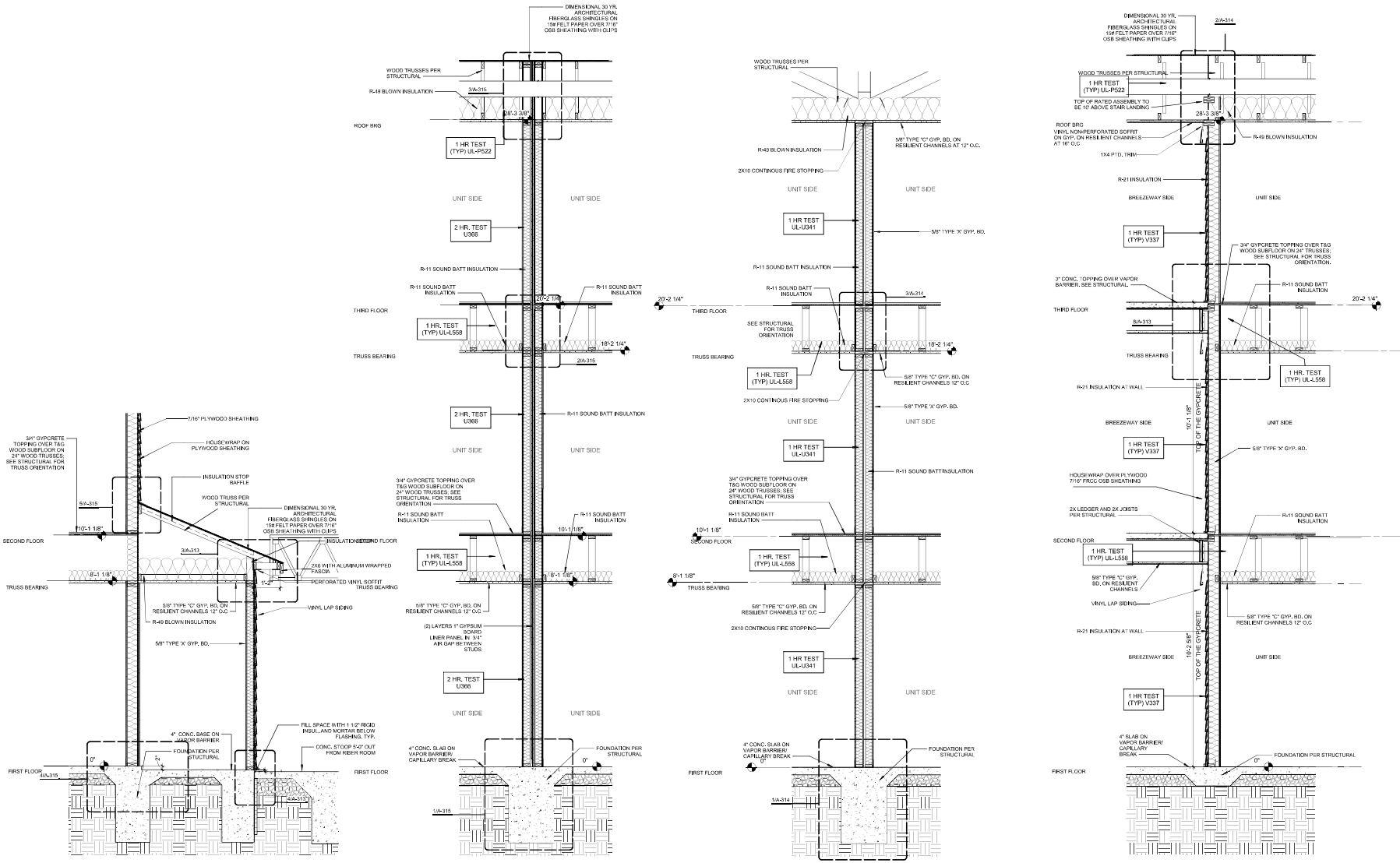
22-018

SHEET TITLE

BREEZEWAY WALL SECTIONS

SHEET NUMBER

A-311



4 WALL SECTION - RISER ROOM
1/2" = 1'-0"

3 WALL SECTION - 2C WALL TYPE - DEMISING WALL
1/2" = 1'-0"

2 WALL SECTION - 2A/2B WALL TYPE - DEMISING WALL
1/2" = 1'-0"

1 WALL SECTION - BREEZEWAY WALL 7B WALL
1/2" = 1'-0"

KITTLE PROPERTY GROUP INC
310 East 96th Street, Suite 400
Indianapolis, IN 46240
(317) 846-3111
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SEAL

PROJECT TITLE

WEST FORK

WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
OFHA APPLICATION	09/25/23

REVISIONS

MARK	DESCRIPTION	DATE

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SHEET NUMBER

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T:\01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dr\7 CAD and Revit\BUIDLING 4\BR6+2\BR18+1\BR12 - 9.13.23.rvt

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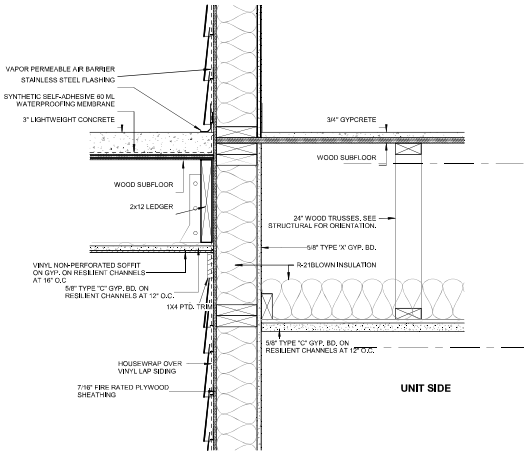

8 WALL SECTION DETAIL 8
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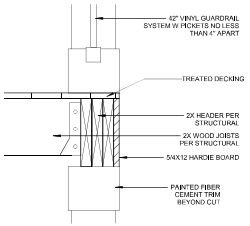

6 WALL SECTION DETAIL 6
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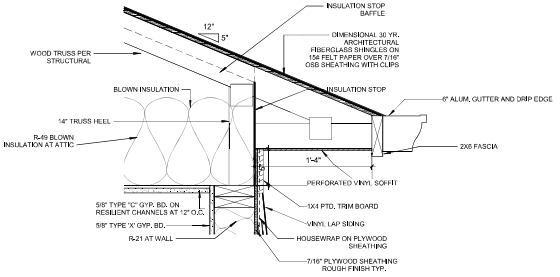

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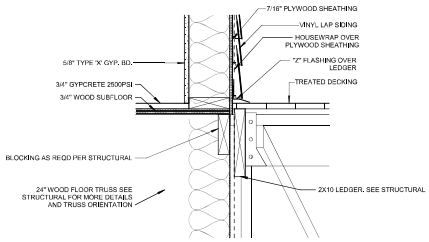

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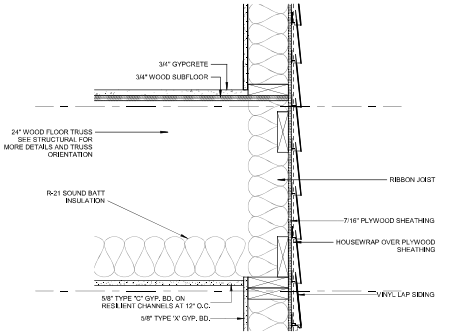

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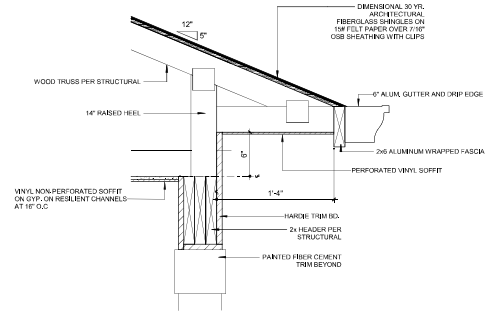

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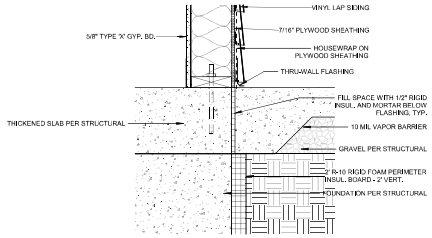

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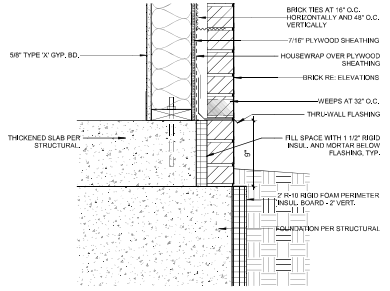

1 WALL SECTION DETAIL 1
1 1/2" = 1'-0"

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SHEET TITLE

WALL SECTIONS - DETAILS

SHEET NUMBER

A-313

T:\01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dr\7 CAD and Revit\BUIDLING 4\BR6+2\BR18+1\BR12 - 9.13.23.rvt

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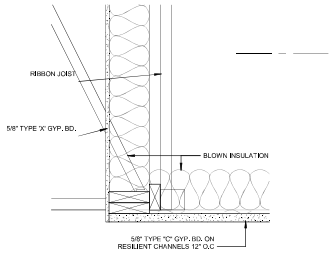
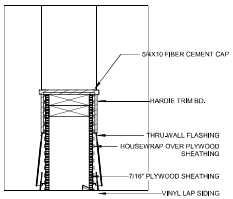
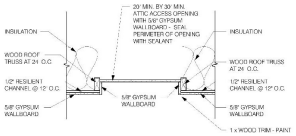


5 WALL SECTION DETAIL
1 1/2" = 1'-0"

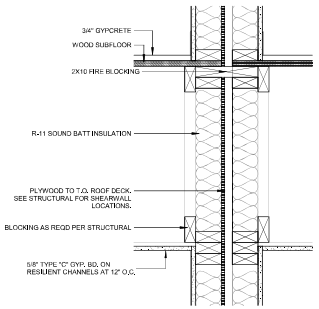


4 WALL SECTION DETAIL
1 1/2" = 1'-0"

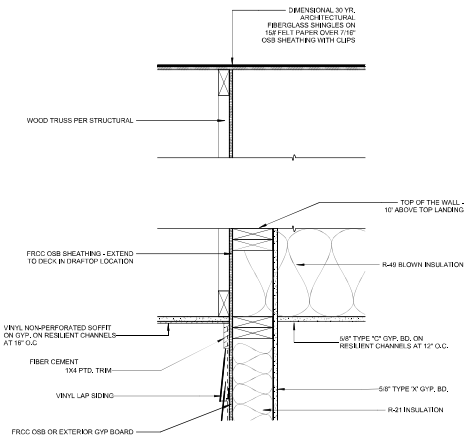
ATTIC DRAFTSTOP DOORS MAY BE DELETED PROVIDED THAT ATTIC ACCESS INTO EVERY ATTIC AREA IS PROVIDED FROM UNIT BELOW VIA ATTIC ACCESS OPENING AS DETAILED BELOW.



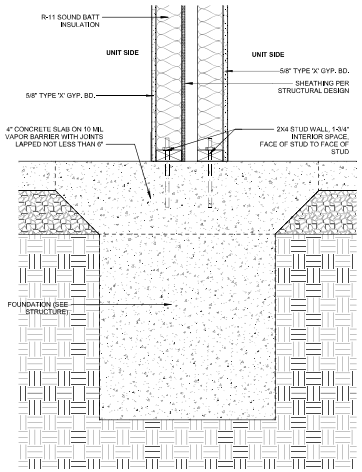
6 ATTIC ACCESS OPENING DETAIL
NTS



3 WALL SECTION DETAIL - 1HR DEMISING WALL
1 1/2" = 1'-0"



2 WALL SECTION DETAIL
1 1/2" = 1'-0"



1 DEMISING WALL DETAIL - 2A/2B 1 HR WALL TYPE
1 1/2" = 1'-0"

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SHEET TITLE

WALL SECTIONS - DETAILS

SHEET NUMBER

A-314

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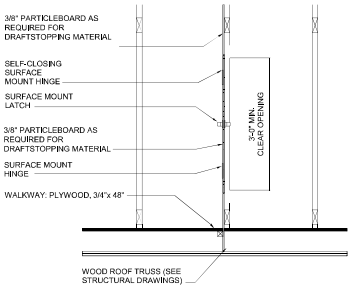
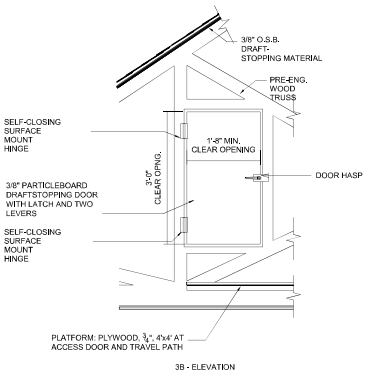
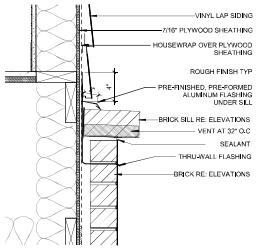


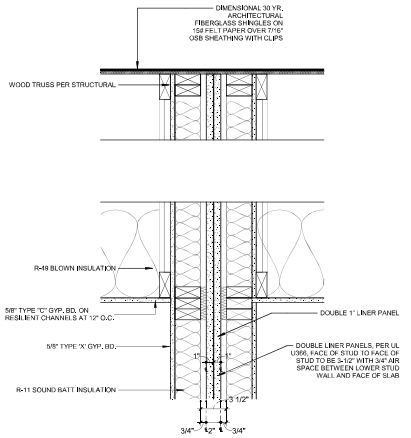
10 DRAFTSTOP DETAILS
3/4" = 1'-0"



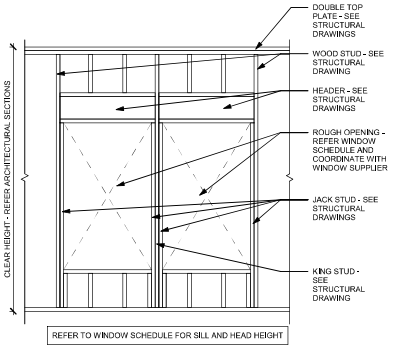
3B - ELEVATION



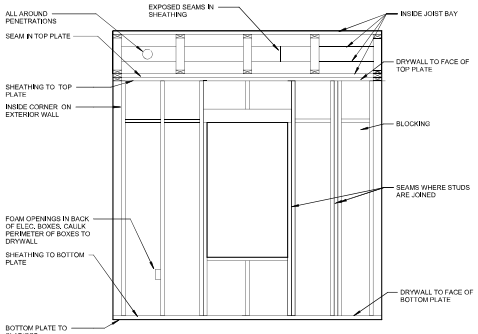
6 BRICK SIDING TRANSITION
1 1/2" = 1'-0"



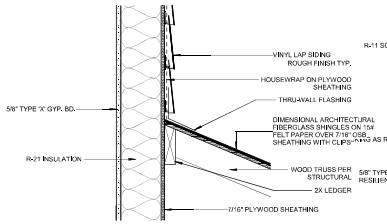
3 WALL SECTION DETAIL - 2C 2 HR WALL TYPE
1 1/2" = 1'-0"



9 WINDOW ROUGH OPENING DETAIL SHOWING KING STUD
1/2" = 1'-0"



8 CAULKING DETAIL
1/2" = 1'-0"



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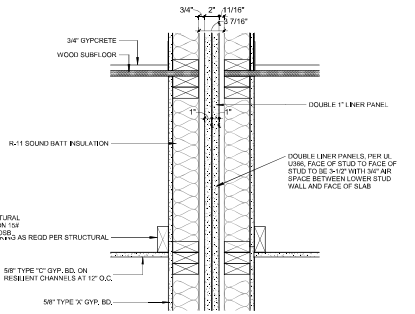

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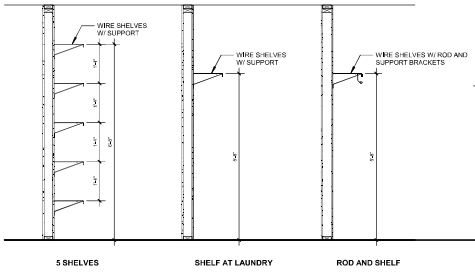

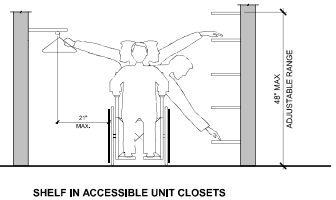

7 SHELVING AND ROD DETAILS
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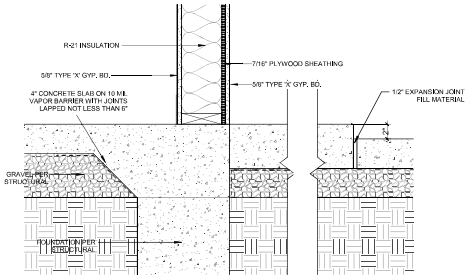

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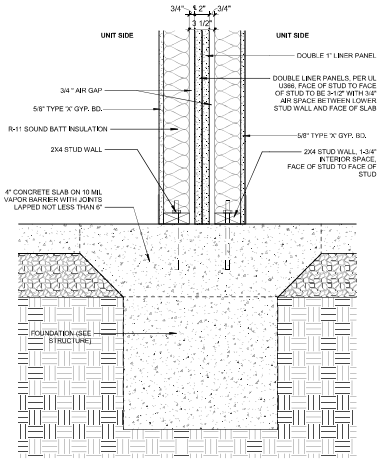

1 DEMISING WALL DETAIL - 2C 2 HR WALL TYPE
1 1/2" = 1'-0"

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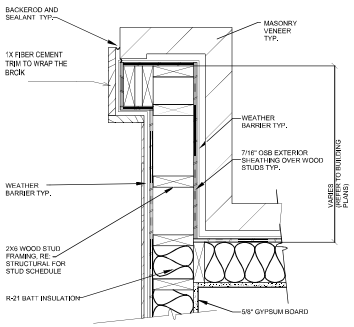
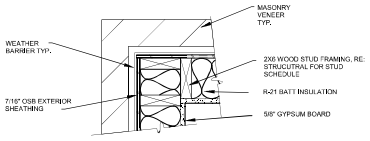
GENERAL NOTES :

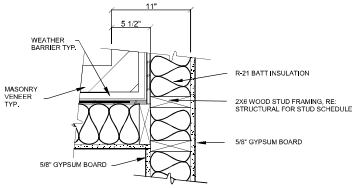
1. HOLD BACK INSULATION 1" MINIMUM FOR AIR VENTILATION AT EAVE
2. SEAL ALL TYVEK JOINTS AND PENETRATIONS WITH APPROVED TAPE
3. FASTEN TYVEK TO SHEATHING WITH LARGE HEAD NAILS OR USE NAILS WITH LARGE PLASTIC WASHER HEADS
4. LOCAL LAWS, ZONING, AND BUILDING CODES VARY AND THEREFORE GOVERNS OVER MATERIAL SELECTION



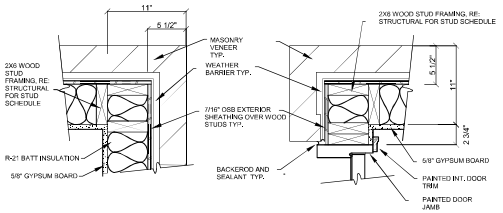
A TYPICAL BRICK BREEZWAY ENTRY PLAN DETAIL



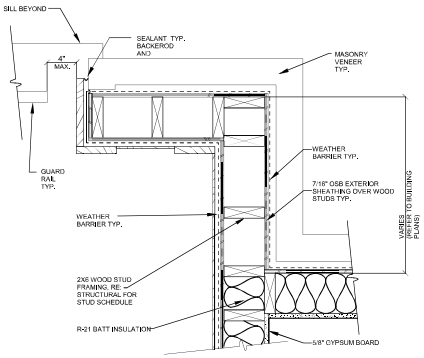
B TYPICAL BRICK OUTSIDE CORNER



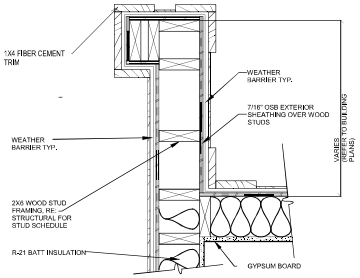
C TYPICAL BRICK INTERIOR CORNER



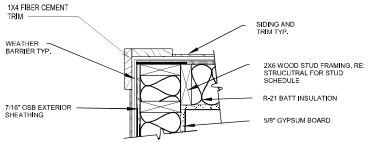
D TYPICAL BRICK CORNER



E TYPICAL BRICK BREEZWAY OPEN END PLAN DETAIL



A TYPICAL SIDING BREEZWAY ENTRY PLAN DETAIL



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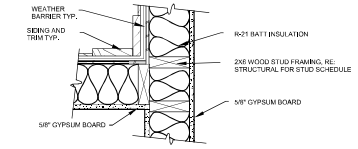
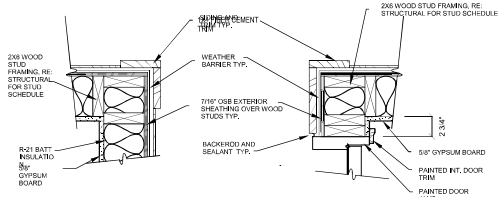
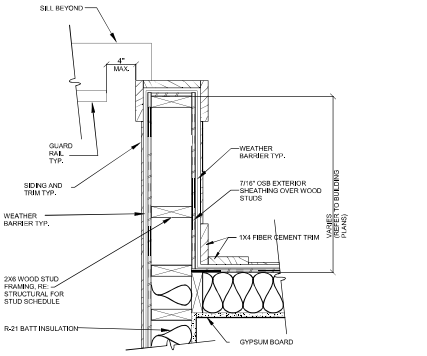


C TYPICAL SIDING INTERIOR CORNER



D TYPICAL SIDING CORNER



E TYPICAL SIDING BREEZWAY OPEN END PLAN DETAIL

1 PLAN DETAILS
1 1/2" = 1'-0"

ARCHITECT OF RECORD

KITTLE PROPERTY GROUP INC
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(317) 846-3111
www.kittleproperties.com

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SEAL

PROJECT TITLE

WEST FORK

WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	XX/XX/XX
90% REVIEW SET	XX/XX/XX
PERMIT SET	XX/XX/XX

REVISIONS

MARK	DESCRIPTION	DATE

DO NOT SCALE PRINTS - USE FIGURED DIMENSIONS ONLY

PROJECT NO.

22-018

SHEET TITLE

DETAILS

SHEET NUMBER

A-316

T:\01 PROJECTS\2022\22-018 Columbus OH - Wilson Rd & Twin Creeks Dr\7 CAD and Revit\BUIDLING 4BR6+2BR18+1BR12 - 9.13.23.rvt

9/21/2023 4:51:07 PM

In reply refer to:
2024-FRA-60825

June 27, 2024

Devin Starr
August Mack Environmental, Inc.
7830 North Central Drive, Suite B
Lewis Center, Ohio 43035
Email: dstarr@augustmack.com

RE: Section 106 Review: OHFA-HOME Funded Project-West Fork Apartments, Columbus, Franklin County, Ohio

Dear Mr. Starr:

This letter is in response to the receipt on June 11, 2024, of *Phase I Cultural Resources Survey for the Approximately 18 ac. West Fork Apartments Project in the City of Columbus, Franklin County, Ohio* by EMH&T, Inc. (Meyer-Landis 2024). We appreciate the opportunity to comment on this project. The comments of the Ohio State Historic Preservation Office (SHPO) are submitted in accordance with the provisions of Section 106 of the National Historic Preservation Act of 1966, as amended (54 U.S.C. 306108 [36 CFR 800]). The project will receive HOME funding through the Ohio Housing Finance Agency (OHFA) and the Ohio Department of Development (ODOD).

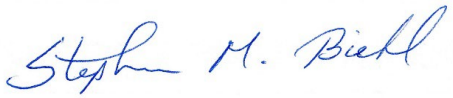
The Phase I cultural resource survey involved a literature review, visual inspection, and shovel test unit excavations within an approximately 18.185-acre parcel, which is defined as the direct Area of Potential Effect (APE). The majority of the direct APE is undeveloped and vegetated in secondary growth timber and scrub. The immediate area is made up of mostly residential developments. The survey also included a history/architectural survey for above-ground resources within the direct and indirect APE.

The results of the Phase I archaeological survey for the direct APE identified one previously unrecorded archaeological site, 33FR3598. This site is an isolated find consisting of a precontact-era lithic debitage flake. As it is currently delineated, this site has been recommended as not eligible for the National Register of Historic Places (NRHP). The SHPO agrees with this recommendation. The history/architectural survey identified seven (7) resources fifty years of age or older within the indirect APE. These resources are recommended as not eligible for the NRHP. The SHPO agrees with this recommendation.

After careful review of the cultural resource report, it is the SHPO's opinion that as proposed, the project will have no effect on historic properties. No further coordination is required for this project unless the scope of work changes or new/additional archaeological remains are discovered during the course of the project. In such a situation, this office should be contacted as required by 36 CFR § 800.13. If you have

any questions concerning this review, please contact me by email at sbiehl@ohiohistory.org. Thank you for your cooperation.

Sincerely,



Stephen M. Biehl, Project Reviews Coordinator (archaeology)
Resource Protection and Review
State Historic Preservation Office RPR Serial No. 1103552

cc: Jasmin Walton, ODOD (jasmin.walton@development.ohio.gov)

"Please be advised that this is a Section 106 decision. This review decision may not extend to other SHPO programs."

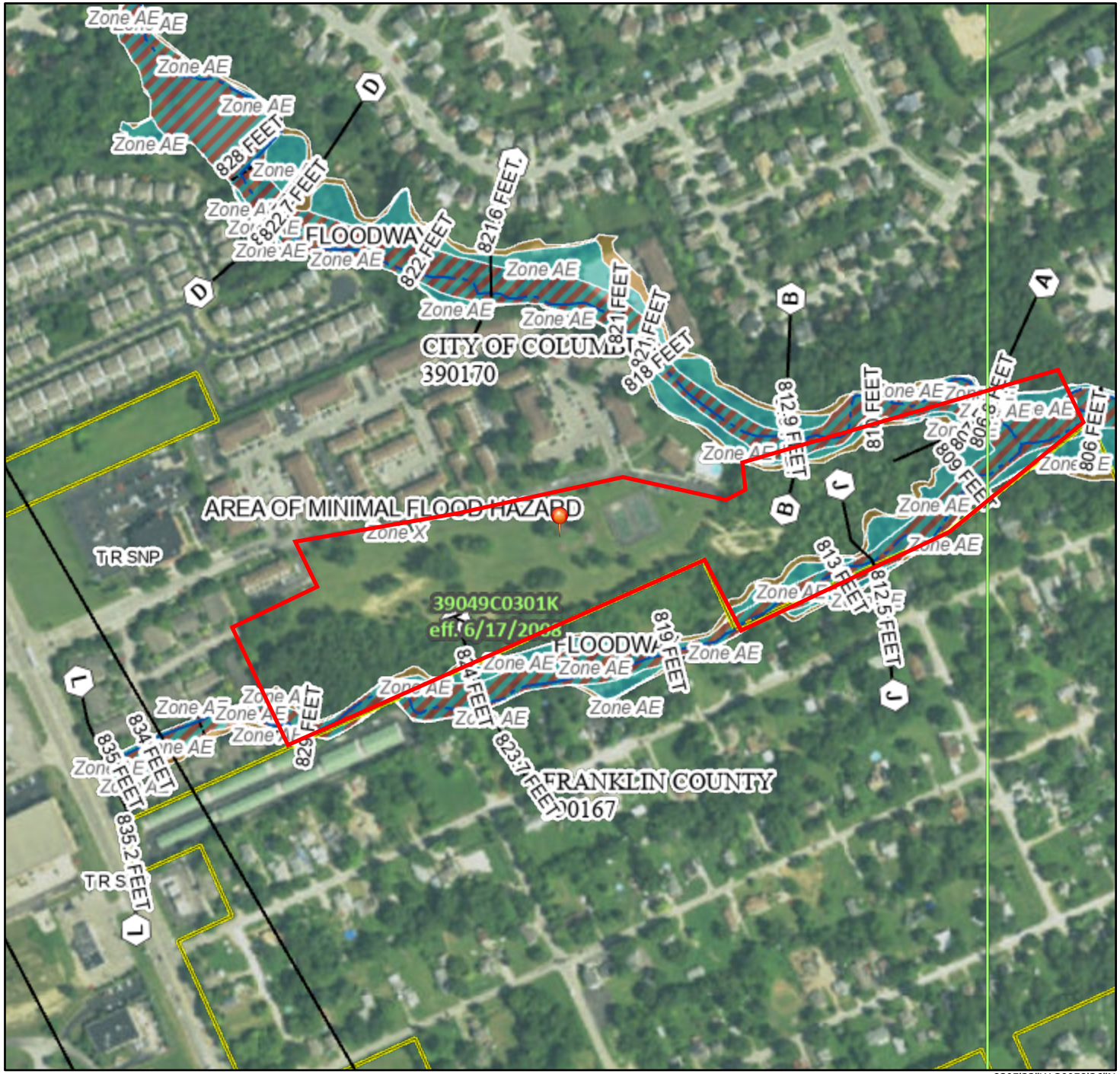
Appendix F -

Floodplain Documentation

National Flood Hazard Layer FIRMette

FEMA

83°6'11"W 39°59'3"N



83°5'33"W 39°58'36"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN — Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 — Cross Sections with 1% Annual Chance
- 17.5 — Water Surface Elevation
- Coastal Transect
- 513 — Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 2/20/2024 at 11:43 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

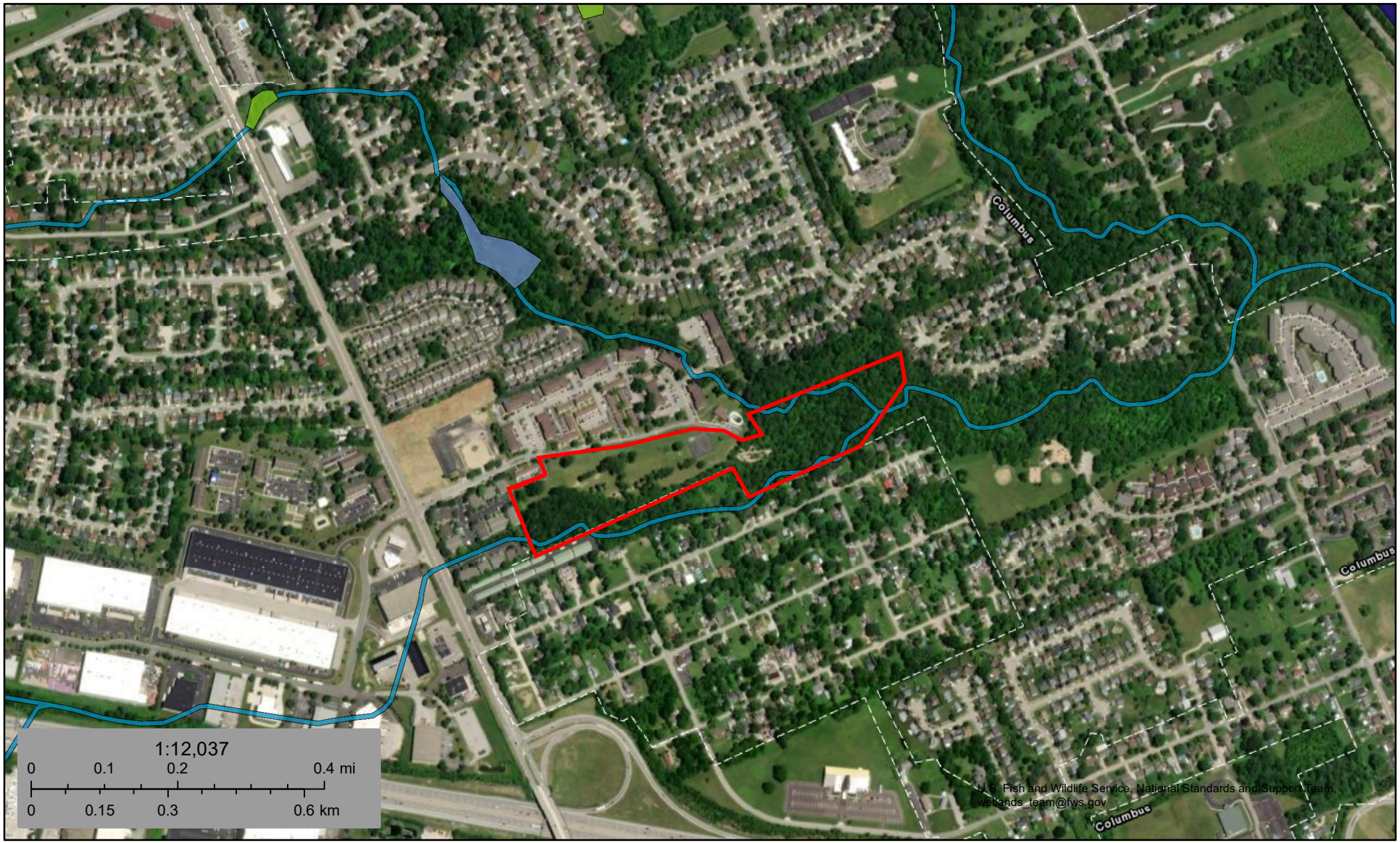
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Appendix G -

Wetland Documention

U.S. Fish and Wildlife Service
National Wetlands Inventory

Wetlands



February 20, 2024

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Franklin County, Ohio

February 21, 2024

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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Preface.....2
Soil Information for All Uses.....5
Suitabilities and Limitations for Use.....5
Land Classifications.....5
Hydric Rating by Map Unit.....5
References.....10

Soil Information for All Uses

Suitabilities and Limitations for Use

The Suitabilities and Limitations for Use section includes various soil interpretations displayed as thematic maps with a summary table for the soil map units in the selected area of interest. A single value or rating for each map unit is generated by aggregating the interpretive ratings of individual map unit components. This aggregation process is defined for each interpretation.

Land Classifications

Land Classifications are specified land use and management groupings that are assigned to soil areas because combinations of soil have similar behavior for specified practices. Most are based on soil properties and other factors that directly influence the specific use of the soil. Example classifications include ecological site classification, farmland classification, irrigated and nonirrigated land capability classification, and hydric rating.

Hydric Rating by Map Unit

This rating indicates the percentage of map units that meets the criteria for hydric soils. Map units are composed of one or more map unit components or soil types, each of which is rated as hydric soil or not hydric. Map units that are made up dominantly of hydric soils may have small areas of minor nonhydric components in the higher positions on the landform, and map units that are made up dominantly of nonhydric soils may have small areas of minor hydric components in the lower positions on the landform. Each map unit is rated based on its respective components and the percentage of each component within the map unit.

The thematic map is color coded based on the composition of hydric components. The five color classes are separated as 100 percent hydric components, 66 to 99 percent hydric components, 33 to 65 percent hydric components, 1 to 32 percent hydric components, and less than one percent hydric components.

In Web Soil Survey, the Summary by Map Unit table that is displayed below the map pane contains a column named 'Rating'. In this column the percentage of each map unit that is classified as hydric is displayed.

Hydric soils are defined by the National Technical Committee for Hydric Soils (NTCHS) as soils that formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part (Federal Register, 1994). Under natural conditions, these soils are either saturated or inundated long enough during the growing season to support the growth and reproduction of hydrophytic vegetation.

The NTCHS definition identifies general soil properties that are associated with wetness. In order to determine whether a specific soil is a hydric soil or nonhydric soil, however, more specific information, such as information about the depth and duration of the water table, is needed. Thus, criteria that identify those estimated soil properties unique to hydric soils have been established (Federal Register, 2002). These criteria are used to identify map unit components that normally are associated with wetlands. The criteria used are selected estimated soil properties that are described in "Soil Taxonomy" (Soil Survey Staff, 1999) and "Keys to Soil Taxonomy" (Soil Survey Staff, 2006) and in the "Soil Survey Manual" (Soil Survey Division Staff, 1993).

If soils are wet enough for a long enough period of time to be considered hydric, they should exhibit certain properties that can be easily observed in the field. These visible properties are indicators of hydric soils. The indicators used to make onsite determinations of hydric soils are specified in "Field Indicators of Hydric Soils in the United States" (Hurt and Vasilas, 2006).

References:

Federal Register. July 13, 1994. Changes in hydric soils of the United States.

Federal Register. September 18, 2002. Hydric soils of the United States.

Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.

Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18.

Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service. U.S. Department of Agriculture Handbook 436.

Soil Survey Staff. 2006. Keys to soil taxonomy. 10th edition. U.S. Department of Agriculture, Natural Resources Conservation Service.

Custom Soil Resource Report
Map—Hydric Rating by Map Unit

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils

Soil Rating Polygons
- Hydric (100%)
- Hydric (66 to 99%)
- Hydric (33 to 65%)
- Hydric (1 to 32%)
- Not Hydric (0%)
- Not rated or not available

Soil Rating Lines
- Hydric (100%)
- Hydric (66 to 99%)
- Hydric (33 to 65%)
- Hydric (1 to 32%)
- Not Hydric (0%)
- Not rated or not available

Soil Rating Points
- Hydric (100%)
- Hydric (66 to 99%)
- Hydric (33 to 65%)
- Hydric (1 to 32%)
- Not Hydric (0%)
- Not rated or not available

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Franklin County, Ohio
Survey Area Data: Version 22, Sep 6, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: May 21, 2023—Aug 8, 2023

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Table—Hydric Rating by Map Unit

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
CeB	Celina silt loam, 2 to 6 percent slopes	10	0.2	1.1%
CfB	Celina-Urban land complex, 2 to 6 percent slopes	5	11.2	59.0%
CsB	Crosby-Urban land complex, 2 to 6 percent slopes	5	1.5	8.2%
Ee	Eel silt loam, 0 to 2 percent slopes, occasionally flooded	4	2.3	12.4%
HeE2	Hennepin and Miamian loams, 18 to 25 percent slopes, eroded	0	0.1	0.3%
MIC2	Miamian silty clay loam, 6 to 12 percent slopes, eroded	5	3.6	18.9%
Totals for Area of Interest			**18.9**	**100.0%**

Rating Options—Hydric Rating by Map Unit

Aggregation Method: Percent Present

Component Percent Cutoff: None Specified

Tie-break Rule: Lower

References

American Association of State Highway and Transportation Officials (AASHTO). 2004. Standard specifications for transportation materials and methods of sampling and testing. 24th edition.

American Society for Testing and Materials (ASTM). 2005. Standard classification of soils for engineering purposes. ASTM Standard D2487-00.

Cowardin, L.M., V. Carter, F.C. Golet, and E.T. LaRoe. 1979. Classification of wetlands and deep-water habitats of the United States. U.S. Fish and Wildlife Service FWS/OBS-79/31.

Federal Register. July 13, 1994. Changes in hydric soils of the United States.

Federal Register. September 18, 2002. Hydric soils of the United States.

Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.

National Research Council. 1995. Wetlands: Characteristics and boundaries.

Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_054262

Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service, U.S. Department of Agriculture Handbook 436. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053577

Soil Survey Staff. 2010. Keys to soil taxonomy. 11th edition. U.S. Department of Agriculture, Natural Resources Conservation Service. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053580

Tiner, R.W., Jr. 1985. Wetlands of Delaware. U.S. Fish and Wildlife Service and Delaware Department of Natural Resources and Environmental Control, Wetlands Section.

United States Army Corps of Engineers, Environmental Laboratory. 1987. Corps of Engineers wetlands delineation manual. Waterways Experiment Station Technical Report Y-87-1.

United States Department of Agriculture, Natural Resources Conservation Service. National forestry manual. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/home/?cid=nrcs142p2_053374

United States Department of Agriculture, Natural Resources Conservation Service. National range and pasture handbook. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/landuse/rangepasture/?cid=stelprdb1043084

United States Department of Agriculture, Natural Resources Conservation Service. National soil survey handbook, title 430-VI. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/scientists/?cid=nrcs142p2_054242

United States Department of Agriculture, Natural Resources Conservation Service. 2006. Land resource regions and major land resource areas of the United States, the Caribbean, and the Pacific Basin. U.S. Department of Agriculture Handbook 296. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053624

United States Department of Agriculture, Soil Conservation Service. 1961. Land capability classification. U.S. Department of Agriculture Handbook 210. http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_052290.pdf

Appendix H -

Coastal Management Area Map

Ohio Coastal Atlas Map Viewer

February 21, 2024

1:9,028

0 0.05 0.1 0.2 mi

0 0.07 0.15 0.3 km

Maxar

ODNR - Office of Coastal MGMT

Appendix I -

Sole Source Aquifer Map

ArcGIS Web AppBuilder

2/21/2024, 2:25:31 PM

1:4,514

0 0.03 0.06 0.11 mi

0 0.04 0.09 0.18 km

Esri, HERE, Garmin, iPC, Maxar

U.S. Environmental Protection Agency

Appendix J -

Endangered Species Evaluation

August Mack
ENVIRONMENTAL

740.548.1500 ▪ www.augustmack.com
7830 North Central Drive, Suite B ▪ Lewis Center, Ohio 43035

March 6, 2024

U.S. Fish and Wildlife Service
4625 Morse Road, Suite 104
Columbus, Ohio 43230
Email: ohio@fws.gov

Re: Threatened and Endangered Species Request – Section 7
West Fork Apartments
3400 Twin Creeks Drive
Columbus, Franklin County, Ohio
August Mack Project Number JX2098.721.0019

To Whom it May Concern,

We are requesting a concurrence letter from the U.S. Fish and Wildlife Service that the proposed West Fork Apartments project is "*not likely to adversely affect*" the Federally Listed Threatened, Endangered, Proposed, and Candidate Species and/or any critical habitat on the project site in Columbus, Ohio. August Mack is working with the Ohio Housing Finance Agency (OHFA) and the Ohio Department of Development (ODOD) who is designated by HUD to act as the Federal Agency. The proposed project is receiving federal HOME Investment Partnership Program (HOME) funds through OHFA and the ODOD.

The project will involve the new construction of a 6-building housing development consisting of 216 units. The 18.185-acre site is irregularly shaped and consists of two (2) parcels of vegetated land and tennis courts. The development will include a mix of amenity-rich 1, 2, 3, and 4-bedroom units and community features such as a playground, dog park, clubhouse, and outdoor picnic and grilling area.

Review of your agency's Section 7 Consultation website indicates that the following species and critical habitat "may be present" within the project area:

- Indiana bat (Endangered).

- Northern long-eared bat (Endangered).
- Tricolored bat (Proposed Endangered).
- Rayed Bean (Endangered).
- Salamander Mussel (Proposed Endangered).
- Monarch Butterfly (Candidate)
- Bald Eagle

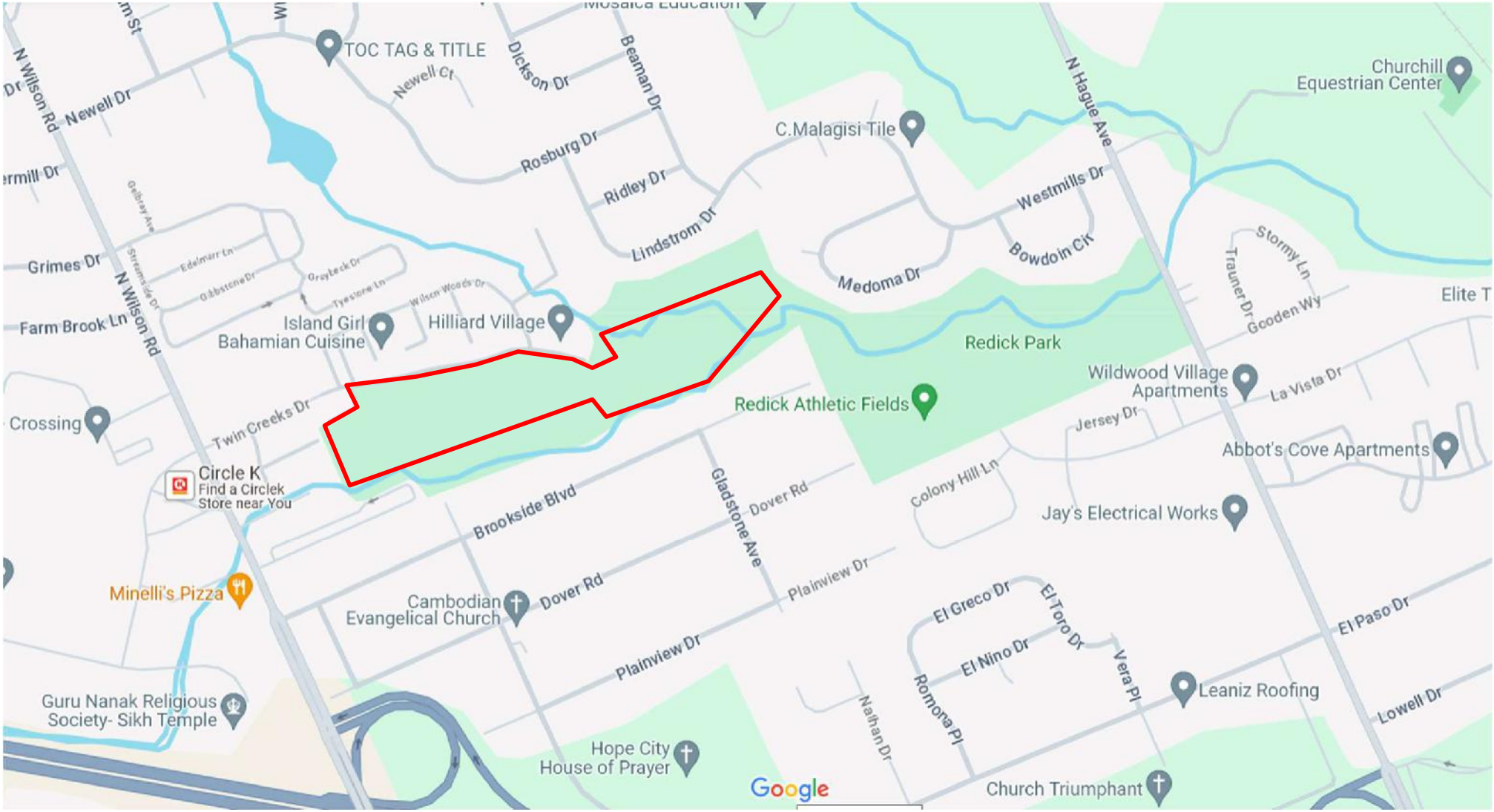
It is not anticipated that the project site consists of critical habitat for endangered species; however, we request an environmental review of any known features on or in the vicinity of the site. Seasonal tree clearing from October 1st to March 31st will be included as a site-specific mitigation for project development. Location maps, photos of the site, and the site development plans are provided as attachments.

Should you have any questions, or need any additional information, please do not hesitate to contact me at (740) 548-1500.

Sincerely,

Devin Starr
Due Diligence Manager
August Mack Environmental, Inc.

Attachments



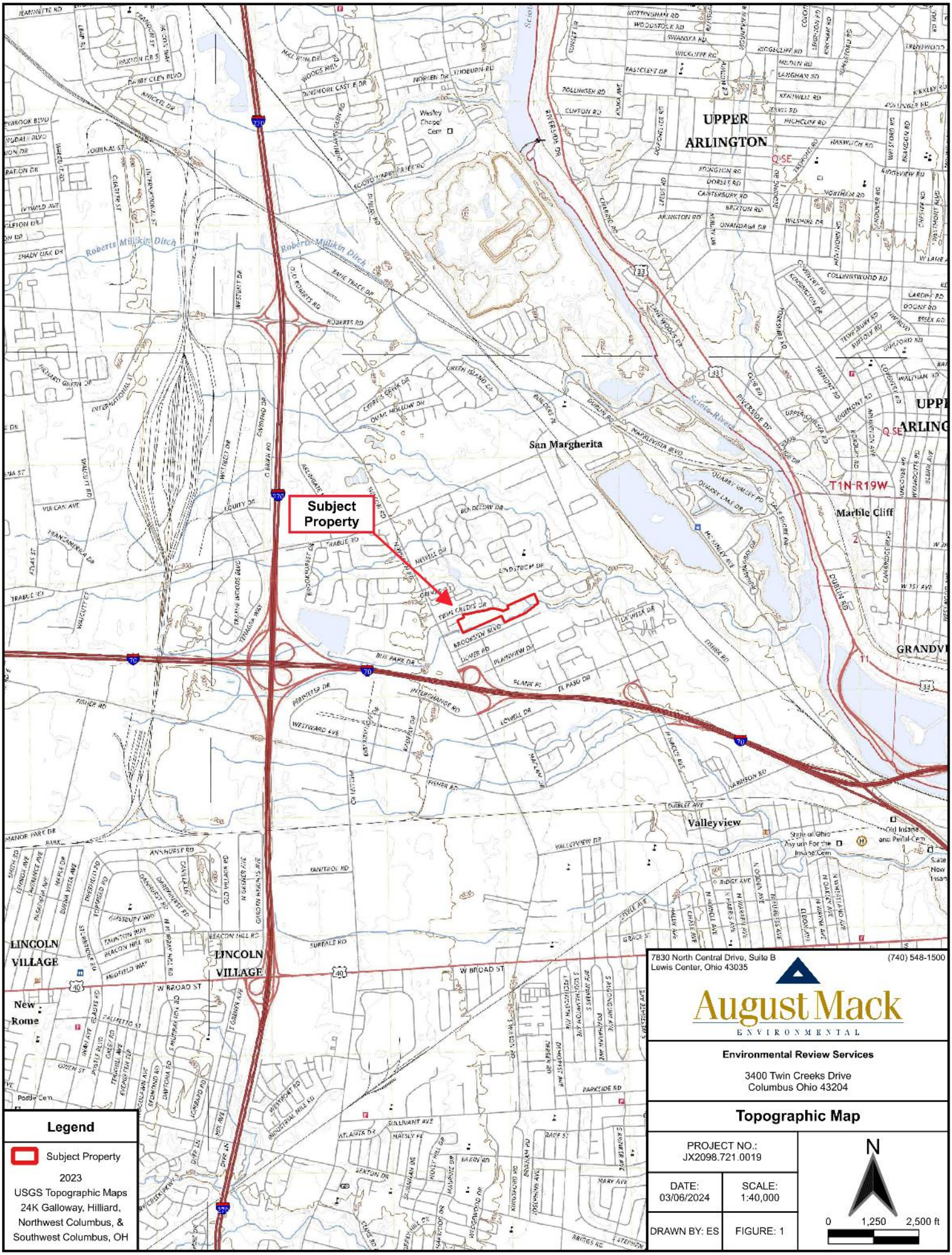
August Mack
ENVIRONMENTAL

STREET LEVEL MAP
West Fork Apartments
3400 Twin Creeks Drive
Columbus, Franklin County, Ohio

PROJECT NO.: JX2098.721.0019

Project Site

N



Legend

Subject Property

2023 USGS Topographic Maps 24K Galloway, Hilliard, Northwest Columbus, & Southwest Columbus, OH

7830 North Central Drive, Suite B
Lewis Center, Ohio 43035
(740) 548-1500

August Mack ENVIRONMENTAL

Environmental Review Services

3400 Twin Creeks Drive
Columbus Ohio 43204

Topographic Map

PROJECT NO.: JX2098.721.0019

DATE: 03/06/2024

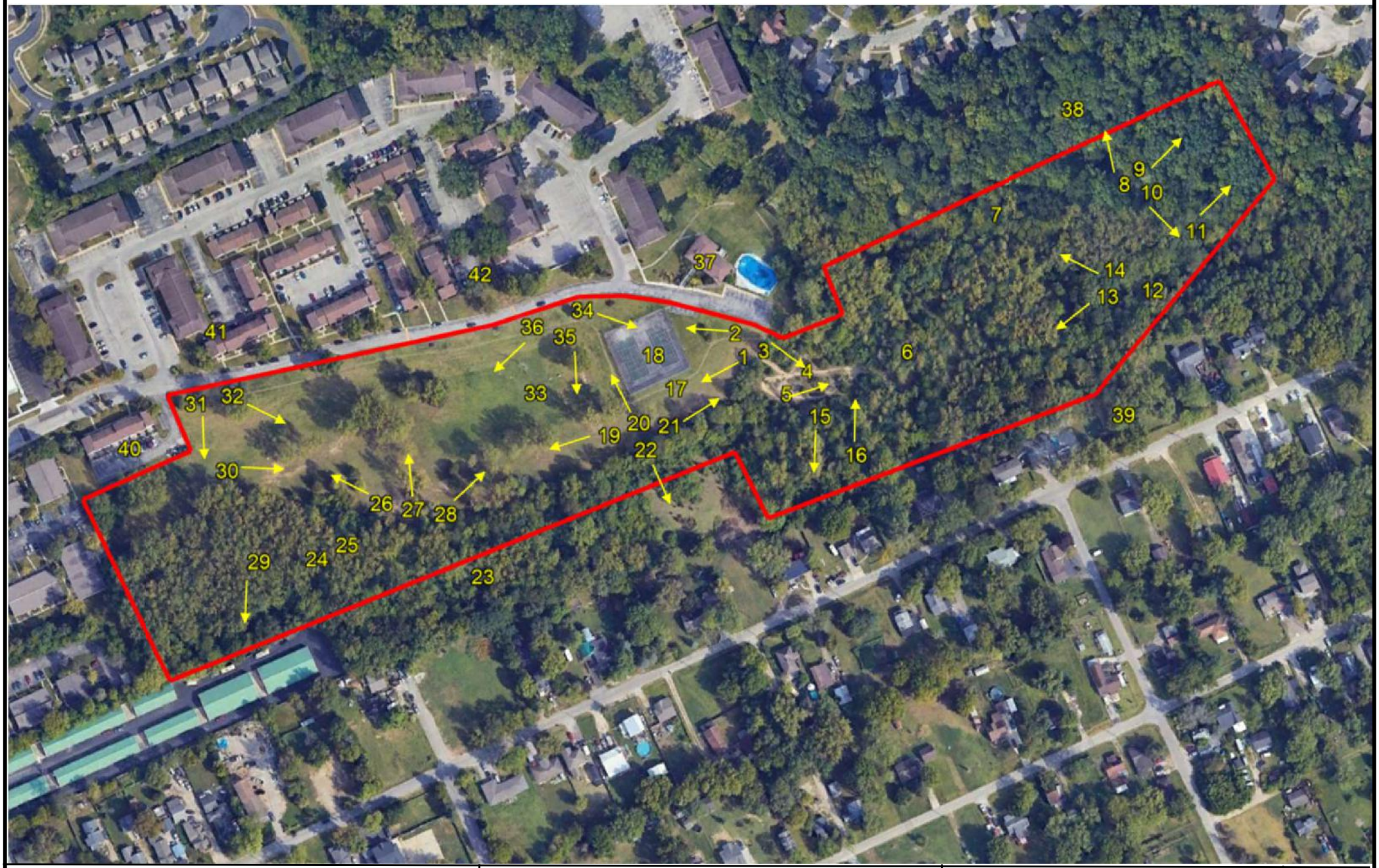
SCALE: 1:40,000

DRAWN BY: ES

FIGURE: 1

N

0 1,250 2,500 ft



August Mack
ENVIRONMENTAL

Aerial Map – Photo Key
West Fork Apartments
Columbus, Franklin County, Ohio

PROJECT NO.: JX2098.721.0019

Project Site

N

Photo 1- Overview of the subject property from the north, looking southwest

Photo 2- Overview of the subject property from the north, looking west

Photo 3- Overview of the subject property from the north, looking southeast

Photo 4- View of brick and asphalt piles located on the north central portion of the subject property

Photo 5- Overview of the subject property from the central portion, looking northeast

Photo 6- Typical view of the northwest portion of the subject property

Photo 7- View of stream located on the northeast portion of the subject property

Photo 8- Overview of the subject property from the northwest, looking north

Photo 9- Overview of the subject property from the east, looking northeast

Photo 10- Overview of the subject property from the east, looking southeast

Photo 11- Overview of the subject property from the southeast, looking northeast

Photo 12- View of stream located on the southeast portion of the subject property

Photo 13- Overview of the subject property from the southeast, looking southwest

Photo 14- Overview of the subject property from the southeast, looking northwest

Photo 15- Overview of the subject property from the south, looking south

Photo 16- Overview of the subject property from the south, looking north

Photo 17- View of volleyball court located on the central portion of the subject property

Photo 18- View of tennis court located on the central portion of the subject property

Photo 19- Overview of the subject property from the south central portion, looking southwest

Photo 20- Overview of the subject property from the south central portion, looking northwest

Photo 21- Overview of the subject property from the south central, northeast

Photo 22- Overview of the subject property from the south central portion, looking south

Photo 23- View of stream located on the southwest portion of the subject property

Photo 24- View of discarded concrete pipes located on the southwest portion of the subject property

Photo 25- View of discarded tires located on the southwest portion of the subject property

Photo 26- Overview of the subject property from the southwest, looking northwest

Photo 27- Overview of the subject property from the southeast, looking north

Photo 28- Overview of the subject property from the southeast, looking northeast

Photo 29- Overview of the subject property from the southeast, looking south

Photo 30- Overview of the subject property from the west, looking east

Photo 31- Overview of the subject property from the northwest, looking south

Photo 32- Overview of the subject property from the northwest, looking southeast

Photo 33- View of playground located on the central portion of the subject property

Photo 34- Overview of the subject property from the north, looking southeast

Photo 35- Overview of the subject property from the north, looking south

Photo 36- Overview of the subject property from the north, looking southwest

Photo 37- View of adjoining property to the north

Photo 38- View of adjoining property to the northeast

Photo 39- View of adjoining property to the southeast

Photo 40- View of adjoining property to the west

Photo 41- View of adjoining property to the northwest

Photo 42- View of adjoining property to the north

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

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Location

Franklin County, Ohio

Local office

Ohio Ecological Services Field Office

(614) 416-8993
(614) 416-8994

4625 Morse Road, Suite 104
Columbus, OH 43230-8355

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Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species[1] and their critical habitats are managed by the Ecological Services Program of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries[2]).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact NOAA Fisheries for species under their jurisdiction.

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1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the listing status page for more information. IPaC only shows species that are regulated by USFWS (see FAQ).
2. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an

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office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Mammals

NAME	STATUS
Indiana Bat Myotis sodalis Wherever found There is **final** critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/5949	Endangered
Northern Long-eared Bat Myotis septentrionalis Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/9045	Endangered
Tricolored Bat Perimyotis subflavus Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/10515	Proposed Endangered

Clams

NAME	STATUS
Rayed Bean Villosa fabalis Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/5862	Endangered
Salamander Mussel Simpsonaias ambigua Wherever found There is **proposed** critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/6208	Proposed Endangered

Insects

NAME	STATUS

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Monarch Butterfly Danaus plexippus — Candidate

Wherever found

No critical habitat has been designated for this species.
https://ecos.fws.gov/ecp/species/9743

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

There are no critical habitats at this location.

You are still required to determine if your project(s) may have effects on all above listed species.

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Bald & Golden Eagles

Bald and golden eagles are protected under the Bald and Golden Eagle Protection Act[1] and the Migratory Bird Treaty Act[2].

Any person or organization who plans or conducts activities that may result in impacts to bald or golden eagles, or their habitats[3], should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the "Supplemental Information on Migratory Birds and Eagles".

Additional information can be found using the following links:

- Eagle Management https://www.fws.gov/program/eagle-management
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide conservation measures for birds https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf
- Supplemental Information for Migratory Birds and Eagles in IPaC https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action

There are likely bald eagles present in your project area. For additional information on

bald eagles, refer to Bald Eagle Nesting and Sensitivity to Human Activity

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the PROBABILITY OF PRESENCE SUMMARY below to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
Bald Eagle Haliaeetus leucocephalus This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.	Breeds Oct 15 to Aug 31

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "Supplemental Information on Migratory Birds and Eagles", specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.

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3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

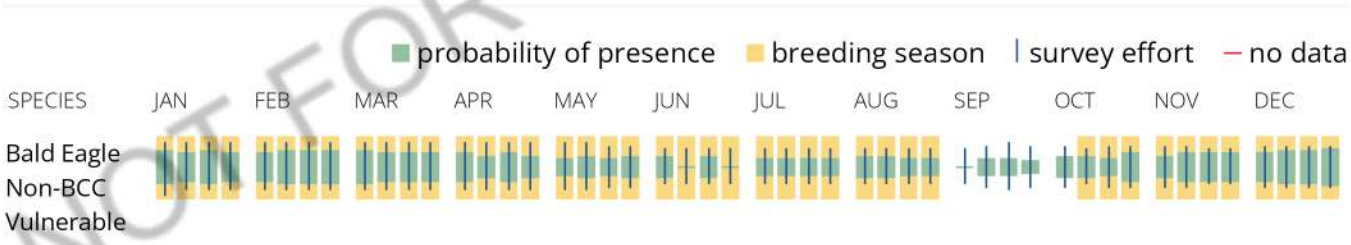
Breeding Season (▪)
Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (–)
A week is marked as having no data if there were no survey events for that week.

Survey Timeframe
Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.



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What does IPaC use to generate the potential presence of bald and golden eagles in my specified location?

The potential for eagle presence is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply). To see a list of all birds potentially present in your project area, please visit the Rapid Avian Information Locator (RAIL) Tool.

What does IPaC use to generate the probability of presence graphs of bald and golden eagles in my specified location?

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other

species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the Rapid Avian Information Locator (RAIL) Tool.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur. Please contact your local Fish and Wildlife Service Field Office if you have questions.

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Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act[1] and the Bald and Golden Eagle Protection Act[2].

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats[3] should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the "Supplemental Information on Migratory Birds and Eagles".

1. The Migratory Birds Treaty Act of 1918.
2. The Bald and Golden Eagle Protection Act of 1940.

Additional information can be found using the following links:

- Eagle Management https://www.fws.gov/program/eagle-management
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide conservation measures for birds https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf
- Supplemental Information for Migratory Birds and Eagles in IPaC https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action

The birds listed below are birds of particular concern either because they occur on the

USFWS Birds of Conservation Concern (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ below. This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the E-bird data mapping tool (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found below.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the PROBABILITY OF PRESENCE SUMMARY below to see when these birds are most likely to be present and breeding in your project area.

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NAME	BREEDING SEASON
American Golden-plover Pluvialis dominica This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds elsewhere
Bald Eagle Haliaeetus leucocephalus This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.	Breeds Oct 15 to Aug 31
Black-billed Cuckoo Coccyzus erythropthalmus This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9399	Breeds May 15 to Oct 10
Bobolink Dolichonyx oryzivorus This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 20 to Jul 31
Chimney Swift Chaetura pelagica This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds Mar 15 to Aug 25

Eastern Whip-poor-will Antrostomus vociferus This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 1 to Aug 20
Lesser Yellowlegs Tringa flavipes This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9679	Breeds elsewhere
Pectoral Sandpiper Calidris melanotos This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds elsewhere
Prothonotary Warbler Protonotaria citrea This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds Apr 1 to Jul 31
Red-headed Woodpecker Melanerpes erythrocephalus This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 10 to Sep 10
Ruddy Turnstone Arenaria interpres morinella This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds elsewhere
Rusty Blackbird Euphagus carolinus This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds elsewhere
Short-billed Dowitcher Limnodromus griseus This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9480	Breeds elsewhere
Wood Thrush Hylocichla mustelina This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 10 to Aug 31

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Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most

likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "Supplemental Information on Migratory Birds and Eagles", specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

Breeding Season (■)
Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

To see a bar's survey effort range, simply hover your mouse cursor over the bar.

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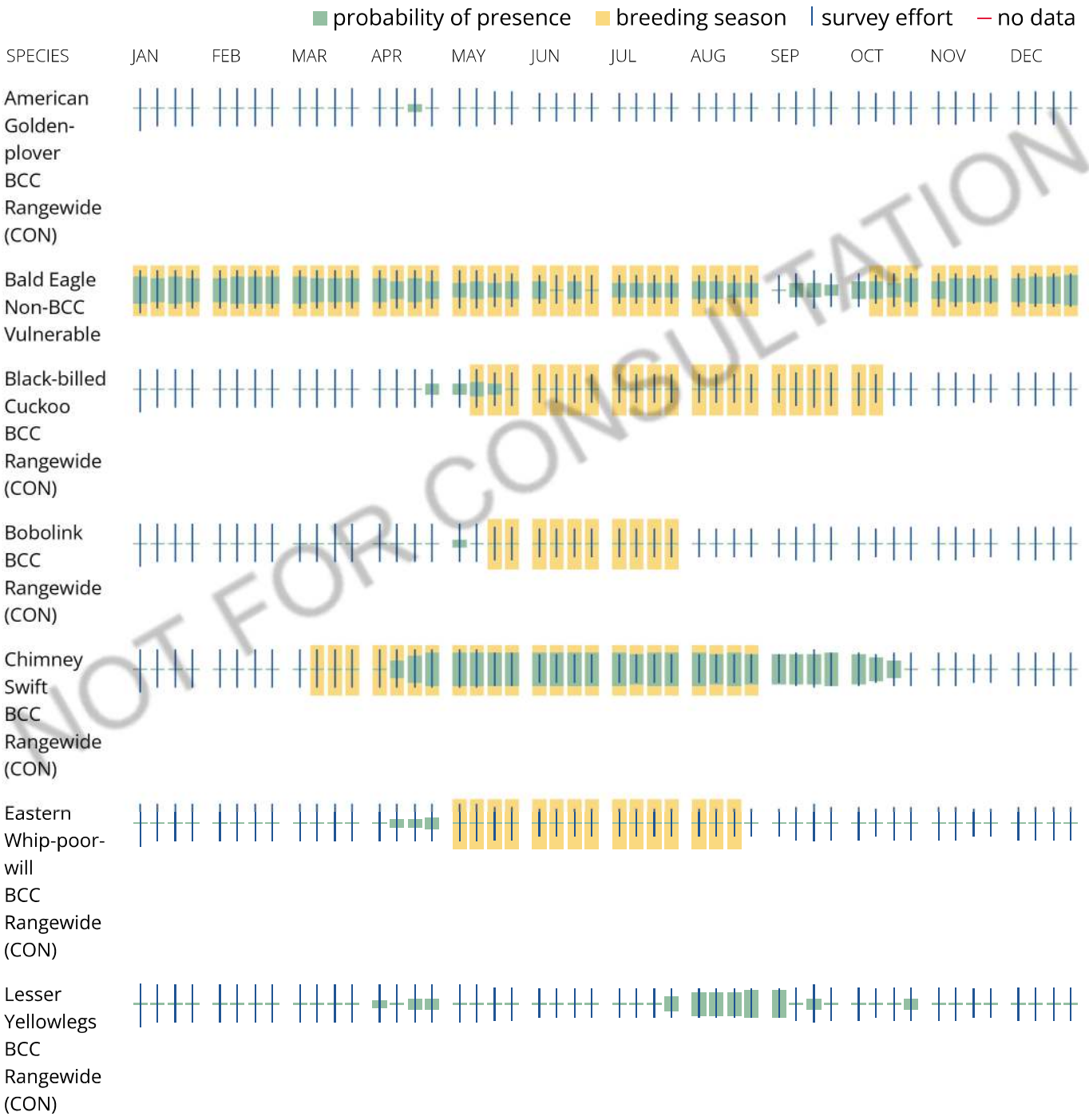
No Data (–)

A week is marked as having no data if there were no survey events for that week.

Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.



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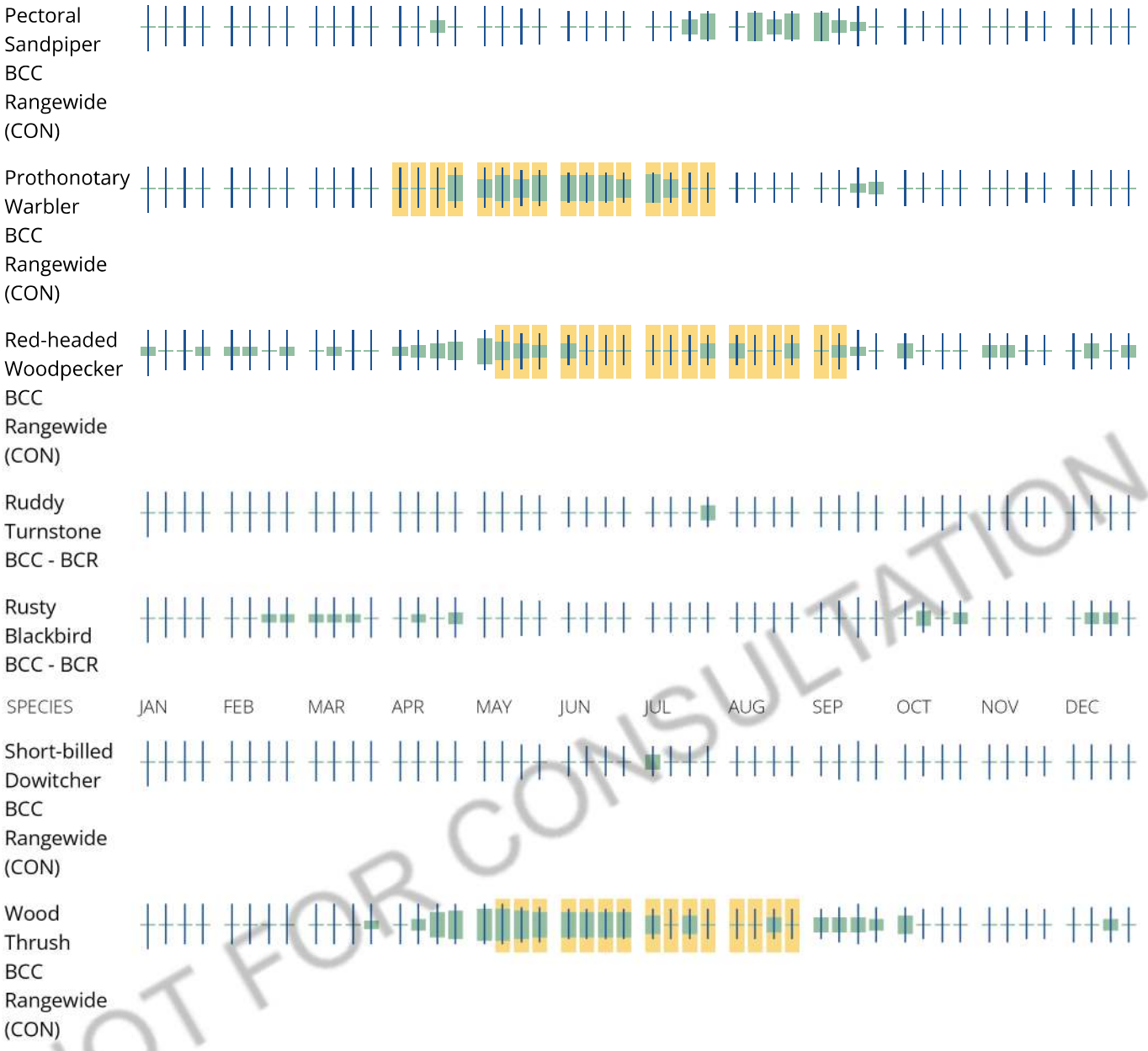

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Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

Nationwide Conservation Measures describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. Additional measures or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other

species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the Rapid Avian Information Locator (RAIL) Tool.

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the Avian Knowledge Network (AKN). This data is derived from a growing collection of survey, banding, and citizen science datasets.

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may query your location using the RAIL Tool and look at the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are Birds of Conservation Concern (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the Eagle Act requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of

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rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the Northeast Ocean Data Portal. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the Diving Bird Study and the nanotag studies or contact Caleb Spiegel or Pam Loring.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

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Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the National Wildlife Refuge system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

There are no refuge lands at this location.

Fish hatcheries

There are no fish hatcheries at this location.

Wetlands in the National Wetlands Inventory (NWI)

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

Wetland information is not available at this time

This can happen when the National Wetlands Inventory (NWI) map service is unavailable, or for very large projects that intersect many wetland areas. Try again, or visit the NWI map to view wetlands at this location.

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Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth

verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

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United States Department of the Interior

FISH AND WILDLIFE SERVICE
Ohio Ecological Services Field Office
4625 Morse Road, Suite 104
Columbus, OH 43230-8355
Phone: (614) 416-8993 Fax: (614) 416-8994

In Reply Refer To: March 01, 2024
Project Code: 2024-0056791
Project Name: August Mack - West Fork Apartments - JX2098.721.0019

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed, and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through IPaC by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological

evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at: https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf

Migratory Birds: In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts, see Migratory Bird Permit | What We Do | U.S. Fish & Wildlife Service (fws.gov).

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures, see https://www.fws.gov/library/collections/threats-birds.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit https://www.fws.gov/partner/council-conservation-migratory-birds.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Ohio Ecological Services Field Office
4625 Morse Road, Suite 104
Columbus, OH 43230-8355
(614) 416-8993

PROJECT SUMMARY

Project Code: 2024-0056791
Project Name: August Mack - West Fork Apartments - JX2098.721.0019
Project Type: New Constr - Above Ground
Project Description: The project will involve of the new construction of a 6-building housing development consisting of 216 units. The 18.185-acre site is irregularly-shaped and consists of two (2) parcels of vegetated, wooded land and tennis courts. The development will include a mix of amenity-rich 1, 2, 3, and 4-bedroom units and community features such as a playground, dog park, clubhouse, and outdoor picnic and grilling area.

Project Location:

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@39.98037575,-83.09722620107954,14z

Counties: Franklin County, Ohio

ENDANGERED SPECIES ACT SPECIES

There is a total of 6 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries[1], as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

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1. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

MAMMALS

NAME	STATUS
Indiana Bat *Myotis sodalis* There is **final** critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/5949	Endangered
Northern Long-eared Bat *Myotis septentrionalis* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045	Endangered
Tricolored Bat *Perimyotis subflavus* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/10515	Proposed Endangered

CLAMS

NAME	STATUS
Rayed Bean *Villosa fabalis* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/5862	Endangered
Salamander Mussel *Simpsonaias ambigua* There is **proposed** critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/6208	Proposed Endangered

INSECTS

NAME	STATUS
Monarch Butterfly *Danaus plexippus*	Candidate

No critical habitat has been designated for this species.
Species profile: https://ecos.fws.gov/ecp/species/9743

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

IPAC USER CONTACT INFORMATION

Agency: Private Entity
Name: Devin Starr
Address: 7830 North Central Drive
City: Lewis Center
State: OH
Zip: 43035
Email dstarr@augustmack.com
Phone: 3308476324

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Ohio Department of Development

WEST FORK

WILSON ROAD & TWIN CREEKS DR, COLUMBUS, OH 43204

ARCHITECT

KITTLE PROPERTY GROUP
310 East 96th Street, Suite 400
Indianapolis, Indiana 46240
Contact: Alyssa Wozniak, AIA
email: awozniak@kittleproperties.com
Phone: (317) 217-9592

CONTRACTOR

KITTLE PROPERTY GROUP
310 East 96th Street, Suite 400
Indianapolis, Indiana 46240
Contact: Jay Kellogg
email: jkellogg@kittleproperties.com
Phone: (317) 846-3111

CIVIL

SANDS DECKER
1495 Old Henderson Road
Columbus, OH 43220
Contact: Mark Antonetz
email: mantonetz@sandsdecker.com
Phone: (614) 459-6992

OWNER

KITTLE PROPERTIES GROUP
310 East 96th Street, Suite 400
Indianapolis, Indiana 46240
Contact: Jeff Kittle
email: jkittle@kittleproperties.com
Phone: 317.846.3111

STRUCTURAL

NEHIL - SIVAK
414 South Burdick Street, Suite 300
Kalamazoo, Michigan 49007
Contact: Tom Palarz
email: tpalarz@nehilsivak.com
Phone: (269) 383-3111

PURCHASING

KITTLE PROPERTY GROUP
310 East 96th Street, Suite 400
Indianapolis, Indiana 46240
Contact: Don Gee
email: dgee@kittleproperties.com
Phone: (317) 846-3111

MEP

LATIMER, SOMMERS & ASSOCIATES
8625 College Boulevard, Suite 102
Overland Park, Kansas 66210
Contact: David Everhart
email: deverhart@lsapa.com
Phone: (785) 233-3232

SITE AERIAL

VICINITY MAP

BUILDING PERSPECTIVES:
CLUBHOUSE

APARTMENTS BUILDINGS
6 BUILDINGS 1BR12+2BR12+3BR6+4BR6

BULDING CODE SUMMARY

Applicable Codes:	2017 Ohio Building Code* 2017 Ohio Fire Code 2017 National Electrical Code 2017 Ohio Mechanical Code 2017 Ohio Plumbing Code 2017 Ohio Energy Conservation Code *Code referenced unless otherwise noted.
Scope of Project:	[illegible]
Occupancy Classification:	Apartments - R-2 Occupancy [310.4]
Construction Type:	Type VA construction required
Allowable Area:	[illegible] [Table 506.2]
Allowable Height:	[illegible]
Building Elements:	[illegible]
Maximum Area of Exterior Wall Openings:	Unprotected Openings, Nonsprinklered - Fire Separation [illegible] >30 feet - Unlimited [Table 705.8]
Individual Fire Separations:	Non-applicable to the project.
Shaft Enclosures:	[illegible]
Dwelling Unit Separations:	[illegible]
Draft Stops:	[illegible]
Fire and Smoke Dampers:	[illegible]
Occupant Load Factors:	[illegible]
Doors:	[illegible]
Number of Exits:	[illegible]
Exit Stairs:	[illegible]
Sprinkler System:	[illegible]
Standpipe:	[illegible]
Fire Alarm System:	[illegible]
Smoke Detectors:	[illegible]
Carbon Monoxide Alarms:	[illegible]
Illumination of Means of Egress:	[illegible]
Emergency Lighting:	[illegible]
Exit Signs:	[illegible]

KITTLE PROPERTY GROUP INC
310 East 96th Street, Suite 400
Indianapolis, IN 46240
(317) 846-3111
www.kittleproperties.com

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[illegible]

PROJECT TITLE

WEST FORK

WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
OFHA APPLICATION	09/25/23

REVISIONS

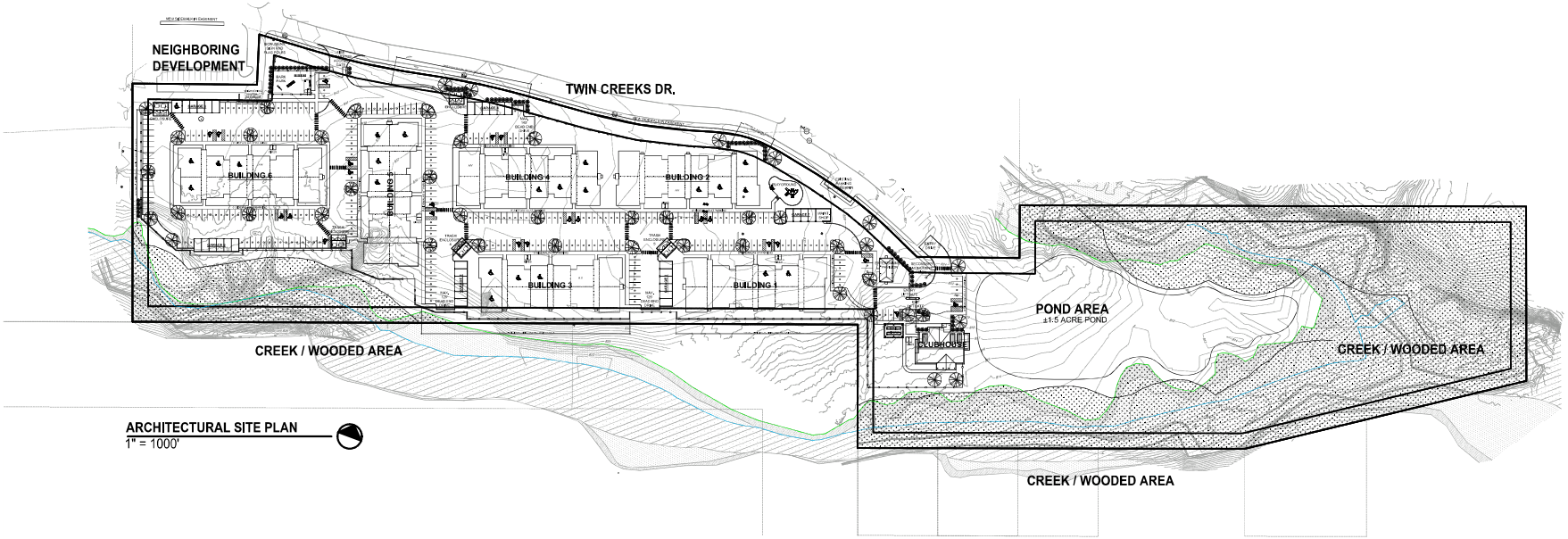
MARK	DATE	REVISION

DO NOT SCALE PRINTS - USE FIGURES DIMENSIONS ONLY

JOB NO.
22-018

SHEET TITLE
COVER SHEET

SHEET NUMBER
G-000



ARCHITECTURAL SITE PLAN
1" = 1000'

SITE DEVELOPMENT DATA:

18.16 ACRE SITE
12.33 DU/ACRE

MATRIX:

(6)1BR12+2BR12+3BR6+4BR6 BUILDINGS
216 - TOTAL UNITS

(72) 1BR UNITS - 33%
(72) 2BR UNITS - 33%
(36) 3BR UNITS - 17%
(36) 4BR UNITS - 17%

AMENITIES

(5) DUMPSTERS
(1) GARAGE A (5 STANDARD BAYS + MAINTENANCE BAY)
(4) GARAGE B (6 STANDARD BAYS)
(1) GARAGE C (5 STANDARD BAYS + 1 ACCESSIBLE BAY)
(1) CLUBHOUSE
(1) MAIL KIOSK
(1) ENTERTAINMENT PAVILION
(1) BARK PARK
(7) 5-LOOP (7 BIKES) BIKE RACKS

PARKING

324 PARKING SPACES (324 REQUIRED)
(34) OF TOTAL ARE GARAGE SPACES
(23) STANDARD ACCESSIBLE SURFACE SPACES
(1) VAN ACCESSIBLE SURFACE SPACE
(1) VAN ACCESSIBLE GARAGE SPACE
(24) TOTAL ACCESSIBLE SPACES

ARCHITECT OF RECORD

KITTLE PROPERTY GROUP INC
310 East 96th Street, Suite 400
Indianapolis, IN 46240
(317) 846-3111
www.kittleproperties.com

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SEAL

PROJECT TITLE

WEST FORK
WILSON ROAD & TWIN CREEKS DR.
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
OFHA APPLICATION	09/25/23

REVISIONS

MARK	DESCRIPTION	DATE
	OWNER REVISION	08.22.23

DO NOT SCALE PRINTS - USE FIGURED DIMENSIONS ONLY

PROJECT NO.
22-018

SHEET TITLE
ARCHITECTURAL SITE PLAN

SHEET NUMBER
ASP-1

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Ecological Services
4625 Morse Road, Suite 104
Columbus, Ohio 43230
(614) 416-8993 / FAX (614) 416-8994

April 18, 2024

Project Code: 2024-0056791

Dear Devin Starr:

The U.S. Fish and Wildlife Service (Service) has received your recent correspondence requesting information about the subject proposal. We offer the following comments and recommendations to assist you in minimizing and avoiding adverse impacts to threatened and endangered species pursuant to the Endangered Species Act of 1973 (16 U.S.C. 1531 et seq), as amended (ESA).

The Service has reviewed your project description and concurs with your determination that the project, as proposed, is not likely to adversely affect any federally listed species. [INSERT SPECIES DETERMINATIONS AND RATIONAL].

This concludes consultation on this action as required by section 7(a)(2) of the ESA. Should, during the term of this action, additional information on listed or proposed species or their critical habitat become available, or if new information reveals effects of the action that were not previously considered, consultation with the Service should be reinitiated to assess whether the determinations are still valid.

If you have questions, or if we can be of further assistance in this matter, please contact our office at (614) 416-8993 or ohio@fws.gov.

Sincerely,

Erin Knoll
Field Office Supervisor

cc: Nathan Reardon, ODNR-DOW
Eileen Wyza, ODNR-DOW

August Mack
ENVIRONMENTAL

740.548.1500 ▪ www.augustmack.com
7830 North Central Drive, Suite B ▪ Lewis Center, Ohio 43035

March 6, 2024

Division of Wildlife
Ohio Department of Natural Resources
2045 Morse Road, Building G
Columbus, Ohio 43229
environmentalreviewrequest@dnr.state.oh.us

Re: Environmental Review Submission
West Fork Apartments
3400 Twin Creeks Drive
39.980132, -83.096417
Columbus, Franklin County, Ohio
August Mack Project Number JX2098.721.0019

To Whom It May Concern:

The proposed Wolf Creek Apartments project will be receiving Federal HOME Investment Partnership Program (HOME) funds from the Ohio Housing Finance Agency (OHFA) and the Ohio Department of Development (ODOD).

The project will involve the new construction of a 6-building housing development consisting of 216 units. The 18.185-acre site is irregularly shaped and consists of two (2) parcels of vegetated land and tennis courts. The development will include a mix of amenity-rich 1, 2, 3, and 4-bedroom units and community features such as a playground, dog park, clubhouse, and outdoor picnic and grilling area. A river and associated floodplain are located on the southern and eastern portions of the subject property. However, no construction will take place in these areas. Development is expected to include tree clearing.

Review of U.S. Fish and Wildlife Service's (USFWS) Section 7 Consultation website indicates that no critical habitats are located within the project boundaries; however, the following species "may be present" within the project area:

- Indiana bat (Endangered).
- Northern long-eared bat (Endangered).
- Tricolored bat (Proposed Endangered).
- Rayed Bean (Endangered).
- Salamander Mussel (Proposed Endangered).

August Mack
ENVIRONMENTAL
740.548.1500 ▪ www.augustmack.com
7830 North Central Drive, Suite B ▪ Lewis Center, Ohio 43035

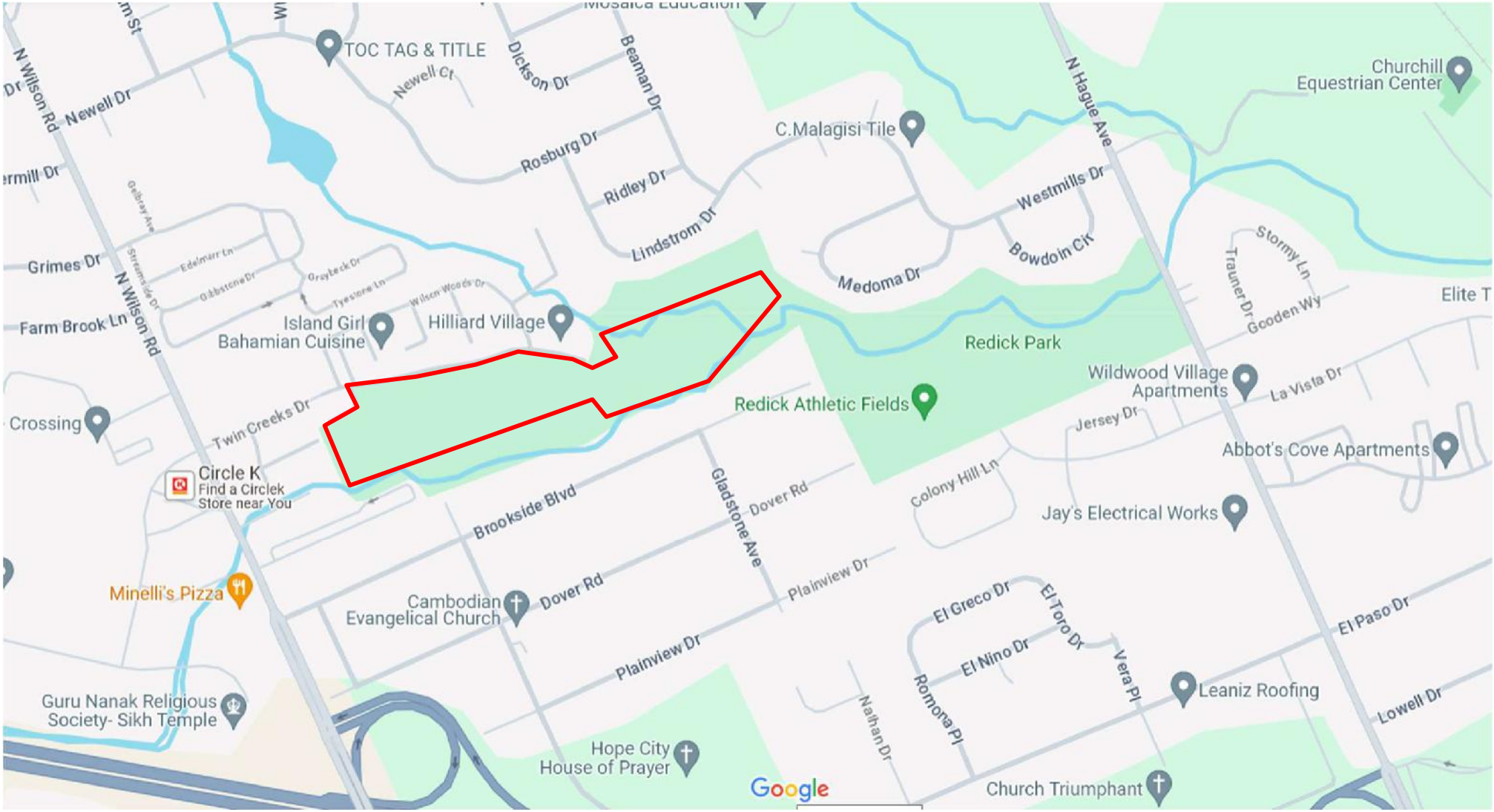
- Monarch Butterfly (Candidate)

It is not anticipated that the Site consists of critical habitat for endangered species; however, we request an environmental review of any known features on the site or in the site vicinity. Should you have any questions, or need any additional information, please do not hesitate to contact me at (740) 548-1500.

Sincerely,

Devin Starr
Due Diligence Manager
August Mack Environmental, Inc.

Attachments



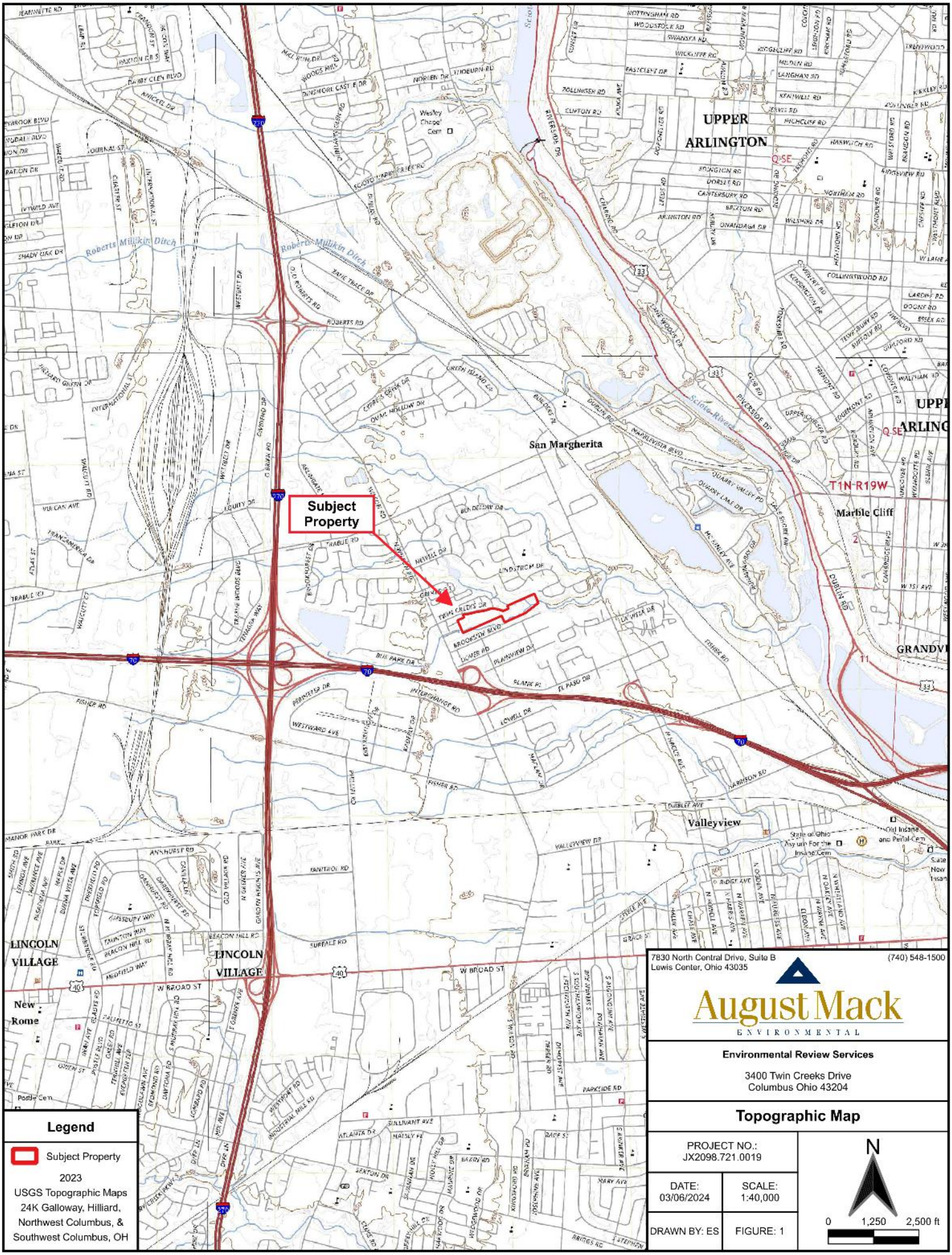
August Mack
ENVIRONMENTAL

STREET LEVEL MAP
West Fork Apartments
3400 Twin Creeks Drive
Columbus, Franklin County, Ohio

PROJECT NO.: JX2098.721.0019

Project Site

N



Legend

Subject Property

2023 USGS Topographic Maps 24K Galloway, Hilliard, Northwest Columbus, & Southwest Columbus, OH

7830 North Central Drive, Suite B
Lewis Center, Ohio 43035
(740) 548-1500

August Mack ENVIRONMENTAL

Environmental Review Services

3400 Twin Creeks Drive
Columbus Ohio 43204

Topographic Map

PROJECT NO.: JX2098.721.0019

DATE: 03/06/2024

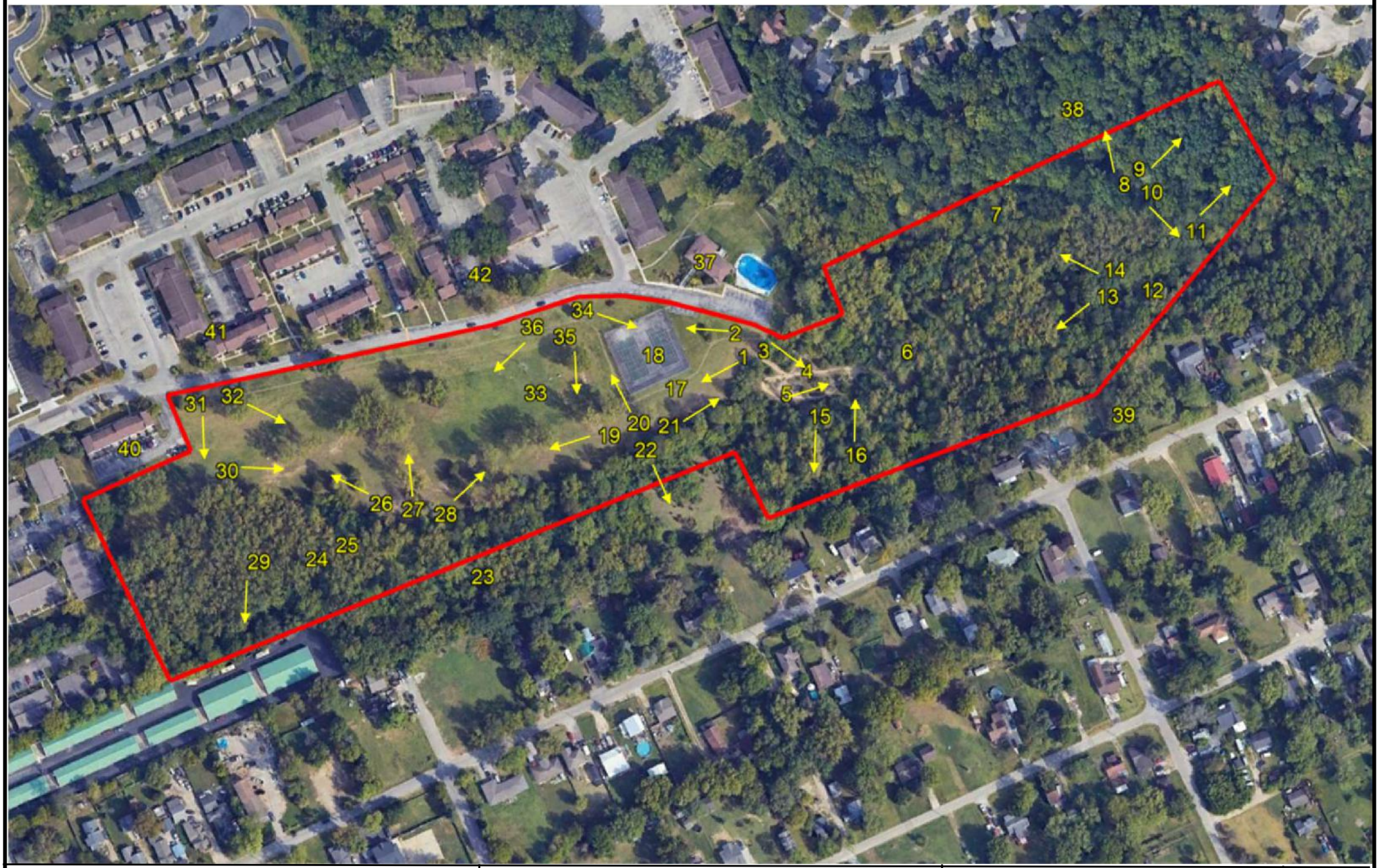
SCALE: 1:40,000

DRAWN BY: ES

FIGURE: 1

N

0 1,250 2,500 ft



August Mack
ENVIRONMENTAL

Aerial Map – Photo Key
West Fork Apartments
Columbus, Franklin County, Ohio

PROJECT NO.: JX2098.721.0019

Project Site

N

Photo 1- Overview of the subject property from the north, looking southwest

Photo 2- Overview of the subject property from the north, looking west

Photo 3- Overview of the subject property from the north, looking southeast

Photo 4- View of brick and asphalt piles located on the north central portion of the subject property

Photo 5- Overview of the subject property from the central portion, looking northeast

Photo 6- Typical view of the northwest portion of the subject property

Photo 7- View of stream located on the northeast portion of the subject property

Photo 8- Overview of the subject property from the northwest, looking north

Photo 9- Overview of the subject property from the east, looking northeast

Photo 10- Overview of the subject property from the east, looking southeast

Photo 11- Overview of the subject property from the southeast, looking northeast

Photo 12- View of stream located on the southeast portion of the subject property

Photo 13- Overview of the subject property from the southeast, looking southwest

Photo 14- Overview of the subject property from the southeast, looking northwest

Photo 15- Overview of the subject property from the south, looking south

Photo 16- Overview of the subject property from the south, looking north

Photo 17- View of volleyball court located on the central portion of the subject property

Photo 18- View of tennis court located on the central portion of the subject property

Photo 19- Overview of the subject property from the south central portion, looking southwest

Photo 20- Overview of the subject property from the south central portion, looking northwest

Photo 21- Overview of the subject property from the south central, northeast

Photo 22- Overview of the subject property from the south central portion, looking south

Photo 23- View of stream located on the southwest portion of the subject property

Photo 24- View of discarded concrete pipes located on the southwest portion of the subject property

Photo 25- View of discarded tires located on the southwest portion of the subject property

Photo 26- Overview of the subject property from the southwest, looking northwest

Photo 27- Overview of the subject property from the southeast, looking north

Photo 28- Overview of the subject property from the southeast, looking northeast

Photo 29- Overview of the subject property from the southeast, looking south

Photo 30- Overview of the subject property from the west, looking east

Photo 31- Overview of the subject property from the northwest, looking south

Photo 32- Overview of the subject property from the northwest, looking southeast

Photo 33- View of playground located on the central portion of the subject property

Photo 34- Overview of the subject property from the north, looking southeast

Photo 35- Overview of the subject property from the north, looking south

Photo 36- Overview of the subject property from the north, looking southwest

Photo 37- View of adjoining property to the north

Photo 38- View of adjoining property to the northeast

Photo 39- View of adjoining property to the southeast

Photo 40- View of adjoining property to the west

Photo 41- View of adjoining property to the northwest

Photo 42- View of adjoining property to the north

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

NOT FOR CONSULTATION

Location

Franklin County, Ohio

Local office

Ohio Ecological Services Field Office

(614) 416-8993
(614) 416-8994

4625 Morse Road, Suite 104
Columbus, OH 43230-8355

NOT FOR CONSULTATION

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species[1] and their critical habitats are managed by the Ecological Services Program of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries[2]).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact NOAA Fisheries for species under their jurisdiction.

---

1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the listing status page for more information. IPaC only shows species that are regulated by USFWS (see FAQ).
2. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an

NOT FOR CONSULTATION

office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Mammals

NAME	STATUS
Indiana Bat Myotis sodalis Wherever found There is **final** critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/5949	Endangered
Northern Long-eared Bat Myotis septentrionalis Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/9045	Endangered
Tricolored Bat Perimyotis subflavus Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/10515	Proposed Endangered

Clams

NAME	STATUS
Rayed Bean Villosa fabalis Wherever found No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/5862	Endangered
Salamander Mussel Simpsonaias ambigua Wherever found There is **proposed** critical habitat for this species. Your location does not overlap the critical habitat. https://ecos.fws.gov/ecp/species/6208	Proposed Endangered

Insects

NAME	STATUS

NOT FOR CONSULTATION

Monarch Butterfly Danaus plexippus — Candidate

Wherever found

No critical habitat has been designated for this species.
https://ecos.fws.gov/ecp/species/9743

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

There are no critical habitats at this location.

You are still required to determine if your project(s) may have effects on all above listed species.

NOT FOR CONSULTATION

Bald & Golden Eagles

Bald and golden eagles are protected under the Bald and Golden Eagle Protection Act[1] and the Migratory Bird Treaty Act[2].

Any person or organization who plans or conducts activities that may result in impacts to bald or golden eagles, or their habitats[3], should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the "Supplemental Information on Migratory Birds and Eagles".

Additional information can be found using the following links:

- Eagle Management https://www.fws.gov/program/eagle-management
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide conservation measures for birds https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf
- Supplemental Information for Migratory Birds and Eagles in IPaC https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action

There are likely bald eagles present in your project area. For additional information on

bald eagles, refer to Bald Eagle Nesting and Sensitivity to Human Activity

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the PROBABILITY OF PRESENCE SUMMARY below to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
Bald Eagle Haliaeetus leucocephalus This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.	Breeds Oct 15 to Aug 31

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "Supplemental Information on Migratory Birds and Eagles", specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.

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3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

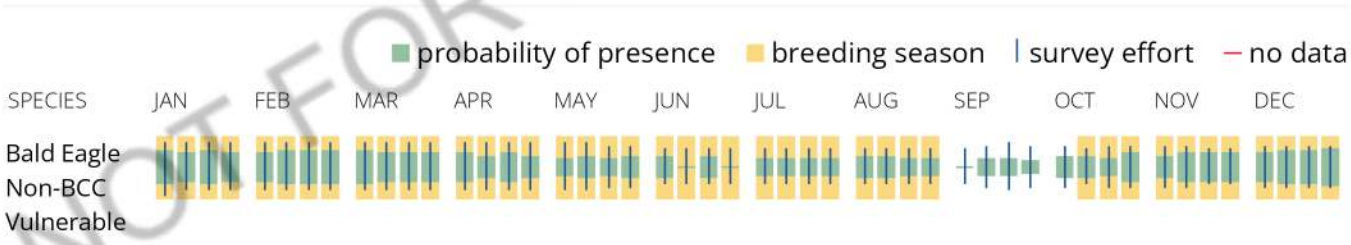
Breeding Season (▪)
Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (–)
A week is marked as having no data if there were no survey events for that week.

Survey Timeframe
Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.



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What does IPaC use to generate the potential presence of bald and golden eagles in my specified location?

The potential for eagle presence is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply). To see a list of all birds potentially present in your project area, please visit the Rapid Avian Information Locator (RAIL) Tool.

What does IPaC use to generate the probability of presence graphs of bald and golden eagles in my specified location?

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other

species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the Rapid Avian Information Locator (RAIL) Tool.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur. Please contact your local Fish and Wildlife Service Field Office if you have questions.

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Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act[1] and the Bald and Golden Eagle Protection Act[2].

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats[3] should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the "Supplemental Information on Migratory Birds and Eagles".

1. The Migratory Birds Treaty Act of 1918.
2. The Bald and Golden Eagle Protection Act of 1940.

Additional information can be found using the following links:

- Eagle Management https://www.fws.gov/program/eagle-management
- Measures for avoiding and minimizing impacts to birds https://www.fws.gov/library/collections/avoiding-and-minimizing-incidental-take-migratory-birds
- Nationwide conservation measures for birds https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf
- Supplemental Information for Migratory Birds and Eagles in IPaC https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action

The birds listed below are birds of particular concern either because they occur on the

USFWS Birds of Conservation Concern (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ below. This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the E-bird data mapping tool (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found below.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the PROBABILITY OF PRESENCE SUMMARY below to see when these birds are most likely to be present and breeding in your project area.

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NAME	BREEDING SEASON
American Golden-plover Pluvialis dominica This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds elsewhere
Bald Eagle Haliaeetus leucocephalus This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities.	Breeds Oct 15 to Aug 31
Black-billed Cuckoo Coccyzus erythropthalmus This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9399	Breeds May 15 to Oct 10
Bobolink Dolichonyx oryzivorus This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 20 to Jul 31
Chimney Swift Chaetura pelagica This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds Mar 15 to Aug 25

Eastern Whip-poor-will Antrostomus vociferus This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 1 to Aug 20
Lesser Yellowlegs Tringa flavipes This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9679	Breeds elsewhere
Pectoral Sandpiper Calidris melanotos This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds elsewhere
Prothonotary Warbler Protonotaria citrea This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds Apr 1 to Jul 31
Red-headed Woodpecker Melanerpes erythrocephalus This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 10 to Sep 10
Ruddy Turnstone Arenaria interpres morinella This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds elsewhere
Rusty Blackbird Euphagus carolinus This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA	Breeds elsewhere
Short-billed Dowitcher Limnodromus griseus This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9480	Breeds elsewhere
Wood Thrush Hylocichla mustelina This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 10 to Aug 31

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Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most

likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "Supplemental Information on Migratory Birds and Eagles", specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

Breeding Season (■)
Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

To see a bar's survey effort range, simply hover your mouse cursor over the bar.

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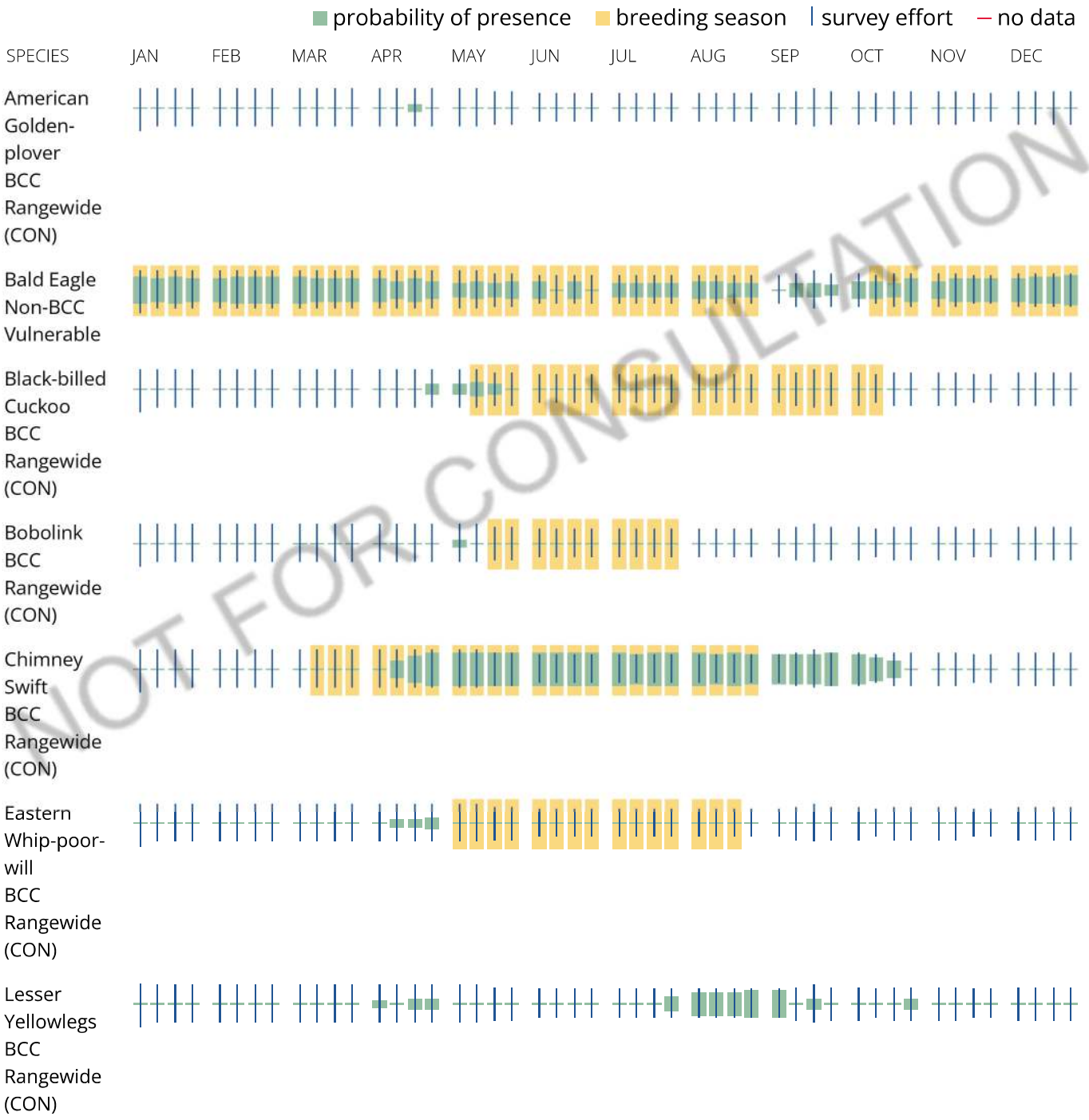
No Data (–)

A week is marked as having no data if there were no survey events for that week.

Survey Timeframe

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.



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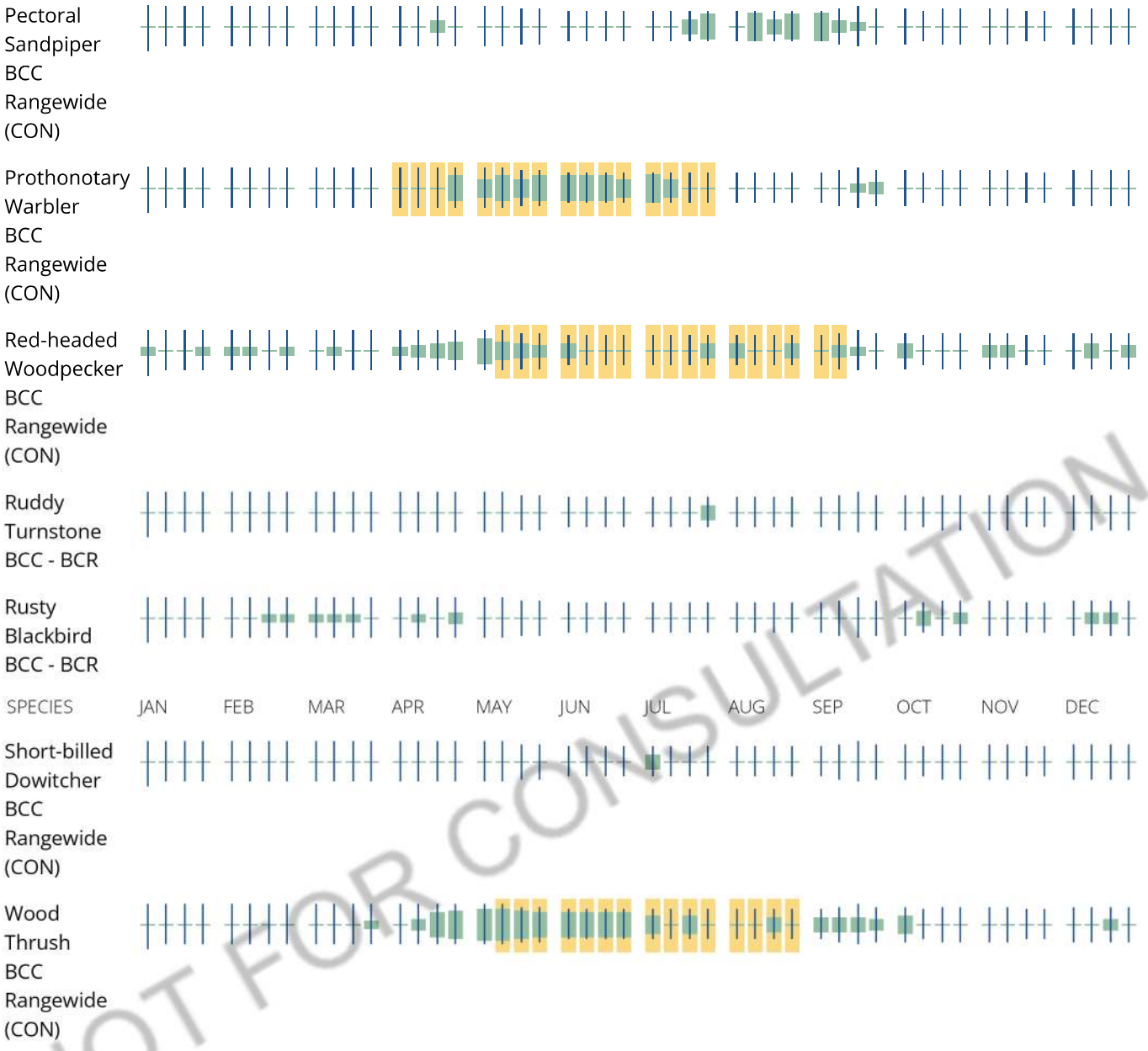

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Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

Nationwide Conservation Measures describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. Additional measures or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the list of migratory birds that potentially occur in my specified location?

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other

species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the Rapid Avian Information Locator (RAIL) Tool.

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the Avian Knowledge Network (AKN). This data is derived from a growing collection of survey, banding, and citizen science datasets.

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering or migrating in my area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may query your location using the RAIL Tool and look at the range maps provided for birds in your area at the bottom of the profiles provided for each bird in your results. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are Birds of Conservation Concern (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the Eagle Act requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of

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rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the Northeast Ocean Data Portal. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the Diving Bird Study and the nanotag studies or contact Caleb Spiegel or Pam Loring.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

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Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the National Wildlife Refuge system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

There are no refuge lands at this location.

Fish hatcheries

There are no fish hatcheries at this location.

Wetlands in the National Wetlands Inventory (NWI)

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

Wetland information is not available at this time

This can happen when the National Wetlands Inventory (NWI) map service is unavailable, or for very large projects that intersect many wetland areas. Try again, or visit the NWI map to view wetlands at this location.

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Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth

verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate Federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

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United States Department of the Interior

FISH AND WILDLIFE SERVICE
Ohio Ecological Services Field Office
4625 Morse Road, Suite 104
Columbus, OH 43230-8355
Phone: (614) 416-8993 Fax: (614) 416-8994

In Reply Refer To: March 01, 2024
Project Code: 2024-0056791
Project Name: August Mack - West Fork Apartments - JX2098.721.0019

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed, and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through IPaC by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological

evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at: https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf

Migratory Birds: In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts, see Migratory Bird Permit | What We Do | U.S. Fish & Wildlife Service (fws.gov).

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures, see https://www.fws.gov/library/collections/threats-birds.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit https://www.fws.gov/partner/council-conservation-migratory-birds.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Ohio Ecological Services Field Office
4625 Morse Road, Suite 104
Columbus, OH 43230-8355
(614) 416-8993

PROJECT SUMMARY

Project Code: 2024-0056791
Project Name: August Mack - West Fork Apartments - JX2098.721.0019
Project Type: New Constr - Above Ground
Project Description: The project will involve of the new construction of a 6-building housing development consisting of 216 units. The 18.185-acre site is irregularly-shaped and consists of two (2) parcels of vegetated, wooded land and tennis courts. The development will include a mix of amenity-rich 1, 2, 3, and 4-bedroom units and community features such as a playground, dog park, clubhouse, and outdoor picnic and grilling area.

Project Location:

The approximate location of the project can be viewed in Google Maps: https://www.google.com/maps/@39.98037575,-83.09722620107954,14z

Counties: Franklin County, Ohio

ENDANGERED SPECIES ACT SPECIES

There is a total of 6 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries[1], as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

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1. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

MAMMALS

NAME	STATUS
Indiana Bat *Myotis sodalis* There is **final** critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/5949	Endangered
Northern Long-eared Bat *Myotis septentrionalis* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045	Endangered
Tricolored Bat *Perimyotis subflavus* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/10515	Proposed Endangered

CLAMS

NAME	STATUS
Rayed Bean *Villosa fabalis* No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/5862	Endangered
Salamander Mussel *Simpsonaias ambigua* There is **proposed** critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/6208	Proposed Endangered

INSECTS

NAME	STATUS
Monarch Butterfly *Danaus plexippus*	Candidate

No critical habitat has been designated for this species.
Species profile: https://ecos.fws.gov/ecp/species/9743

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

IPAC USER CONTACT INFORMATION

Agency: Private Entity
Name: Devin Starr
Address: 7830 North Central Drive
City: Lewis Center
State: OH
Zip: 43035
Email dstarr@augustmack.com
Phone: 3308476324

LEAD AGENCY CONTACT INFORMATION

Lead Agency: Ohio Department of Development

WEST FORK

WILSON ROAD & TWIN CREEKS DR, COLUMBUS, OH 43204

ARCHITECT	CONTRACTOR	CIVIL	OWNER	STRUCTURAL	PURCHASING	MEP
KITTLE PROPERTY GROUP 310 East 96th Street, Suite 400 Indianapolis, Indiana 46240 Contact: Alyssa Wozniak, AIA email: awozniak@kittleproperties.com Phone: (317) 217-9592	KITTLE PROPERTY GROUP 310 East 96th Street, Suite 400 Indianapolis, Indiana 46240 Contact: Jay Kellogg email: jkellogg@kittleproperties.com Phone: (317) 846-3111	SANDS DECKER 1495 Old Henderson Road Columbus, OH 43220 Contact: Mark Antonetz email: mantonetz@sandsdecker.com Phone: (614) 459-6992	KITTLE PROPERTIES GROUP 310 East 96th Street, Suite 400 Indianapolis, Indiana 46240 Contact: Jeff Kittle email: jkittle@kittleproperties.com Phone: 317.846.3111	NEHIL - SIVAK 414 South Burdick Street, Suite 300 Kalamazoo, Michigan 49007 Contact: Tom Palarz email: tpalarz@nehilsivak.com Phone: (269) 383-3111	KITTLE PROPERTY GROUP 310 East 96th Street, Suite 400 Indianapolis, Indiana 46240 Contact: Don Gee email: dgee@kittleproperties.com Phone: (317) 846-3111	LATIMER, SOMMERS & ASSOCIATES 8625 College Boulevard, Suite 102 Overland Park, Kansas 66210 Contact: David Everhart email: deverhart@lsapa.com Phone: (785) 233-3232

SITE AERIAL

VICINITY MAP

BUILDING PERSPECTIVES:
CLUBHOUSE

APARTMENTS BUILDINGS
6 BUILDINGS 1BR12+2BR12+3BR6+4BR6

BULDING CODE SUMMARY

Applicable Codes:	2017 Ohio Building Code* [illegible]
Scope of Project:	[illegible]
Occupancy Classification:	Apartments - R-2 Occupancy [illegible]
Construction Type:	[illegible]
Allowable Area:	[illegible]
Allowable Height:	[illegible]
Building Elements:	[illegible]
Maximum Area of Exterior Wall Openings:	[illegible]
Dwelling Unit Separations:	[illegible]
Shaft Enclosures:	[illegible]
Draft Stops:	[illegible]
Fire and Smoke Dampers:	[illegible]
Occupant Load Factors:	[illegible]
Doors:	[illegible]
Number of Exits:	[illegible]
Exit Stairs:	[illegible]
Sprinkler System:	[illegible]
Standpipe:	[illegible]
Fire Alarm System:	[illegible]
Smoke Detectors:	[illegible]
Carbon Monoxide Alarms:	[illegible]
Illumination of Means of Egress:	[illegible]
Emergency Lighting:	[illegible]
Exit Signs:	[illegible]

KITTLE
PROPERTY GROUP INC
310 East 96th Street, Suite 400
Indianapolis, IN 46240
(317) 846-3111
www.kittleproperties.com

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PROJECT TITLE

WEST FORK
WILSON ROAD & TWIN CREEKS DR
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
OFHA APPLICATION	09/25/23

REVISIONS

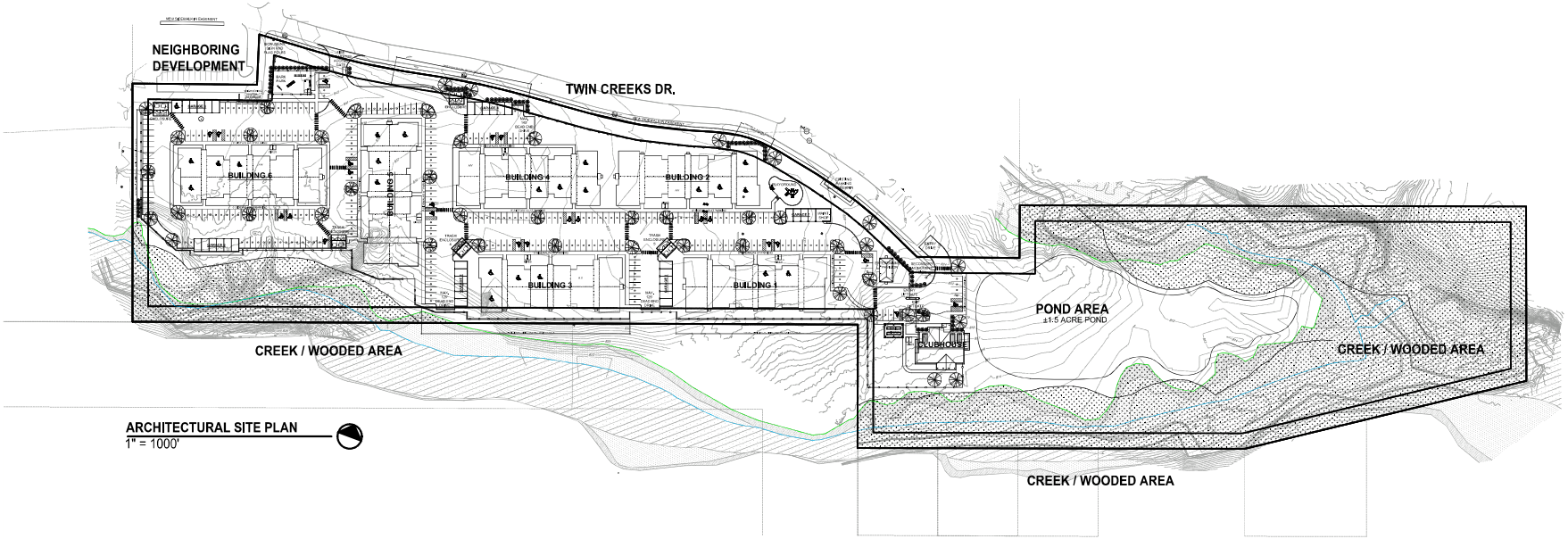
MARK	DATE	REVISION

DO NOT SCALE PRINTS - USE FIGURES DIMENSIONS ONLY

JOB NO.
22-018

SHEET TITLE
COVER SHEET

SHEET NUMBER
G-000



ARCHITECTURAL SITE PLAN
1" = 1000'

SITE DEVELOPMENT DATA:

18.16 ACRE SITE
12.33 DU/ACRE

MATRIX:

(6)1BR12+2BR12+3BR6+4BR6 BUILDINGS
216 - TOTAL UNITS

(72) 1BR UNITS - 33%
(72) 2BR UNITS - 33%
(36) 3BR UNITS - 17%
(36) 4BR UNITS - 17%

AMENITIES

(5) DUMPSTERS
(1) GARAGE A (5 STANDARD BAYS + MAINTENANCE BAY)
(4) GARAGE B (6 STANDARD BAYS)
(1) GARAGE C (5 STANDARD BAYS + 1 ACCESSIBLE BAY)
(1) CLUBHOUSE
(1) MAIL KIOSK
(1) ENTERTAINMENT PAVILION
(1) BARK PARK
(7) 5-LOOP (7 BIKES) BIKE RACKS

PARKING

324 PARKING SPACES (324 REQUIRED)
(34) OF TOTAL ARE GARAGE SPACES
(23) STANDARD ACCESSIBLE SURFACE SPACES
(1) VAN ACCESSIBLE SURFACE SPACE
(1) VAN ACCESSIBLE GARAGE SPACE
(24) TOTAL ACCESSIBLE SPACES

ARCHITECT OF RECORD

KITTLE PROPERTY GROUP INC
310 East 96th Street, Suite 400
Indianapolis, IN 46240
(317) 846-3111
www.kittleproperties.com

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SEAL

PROJECT TITLE

WEST FORK
WILSON ROAD & TWIN CREEKS DR.
COLUMBUS, OH 43204

ISSUED FOR:	DATE
50% REVIEW SET	08/08/23
OFHA APPLICATION	09/25/23

REVISIONS

MARK	DESCRIPTION	DATE
	OWNER REVISION	08.22.23

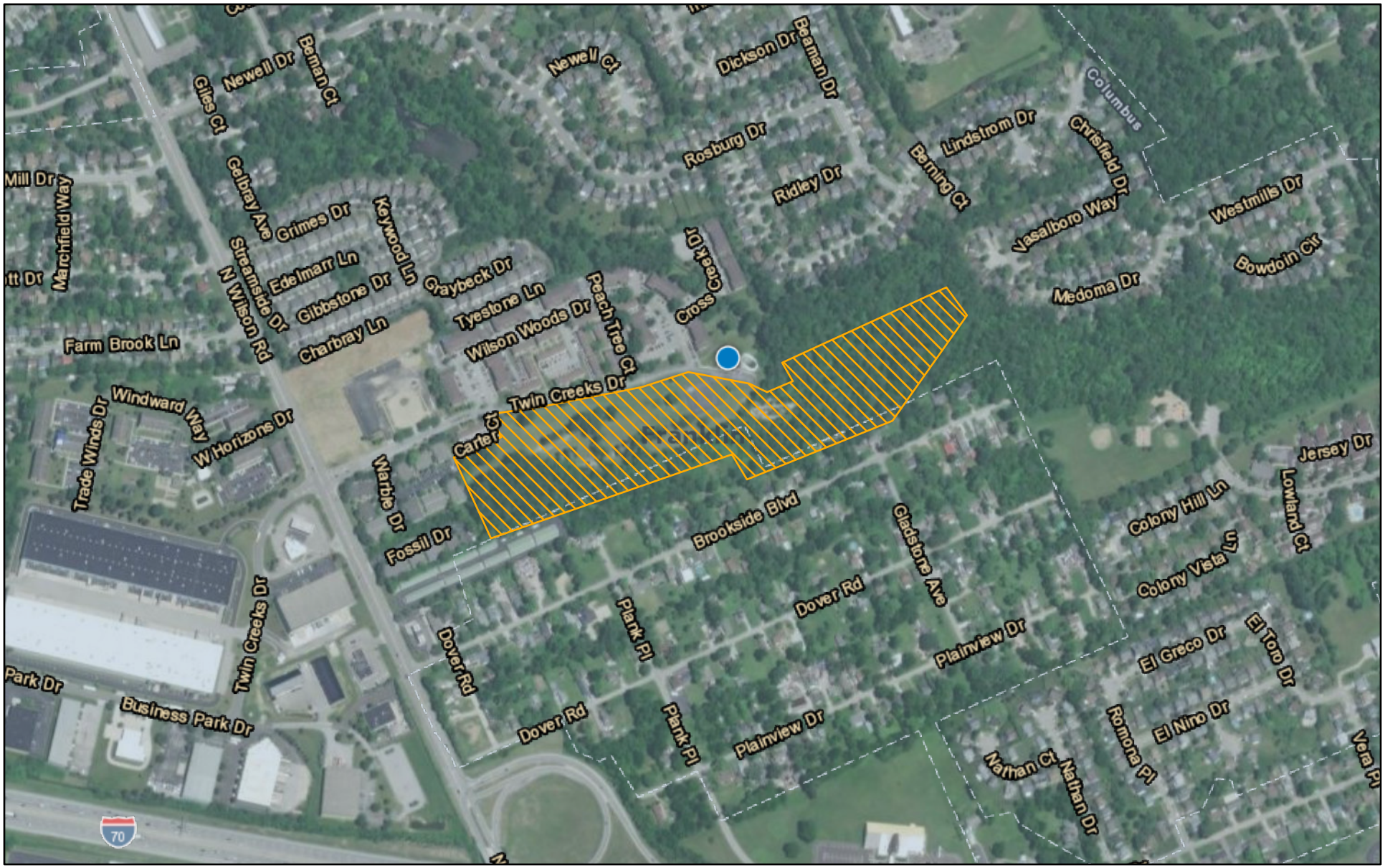
DO NOT SCALE PRINTS - USE FIGURED DIMENSIONS ONLY

PROJECT NO.
22-018

SHEET TITLE
ARCHITECTURAL SITE PLAN

SHEET NUMBER
ASP-1

Karst Map



March 6, 2024

Karst Geology of Ohio

Silurian- and Devonian-age carbonate bedrock overlain by more than 20 feet of glacial drift and/or alluvium

1:9,028

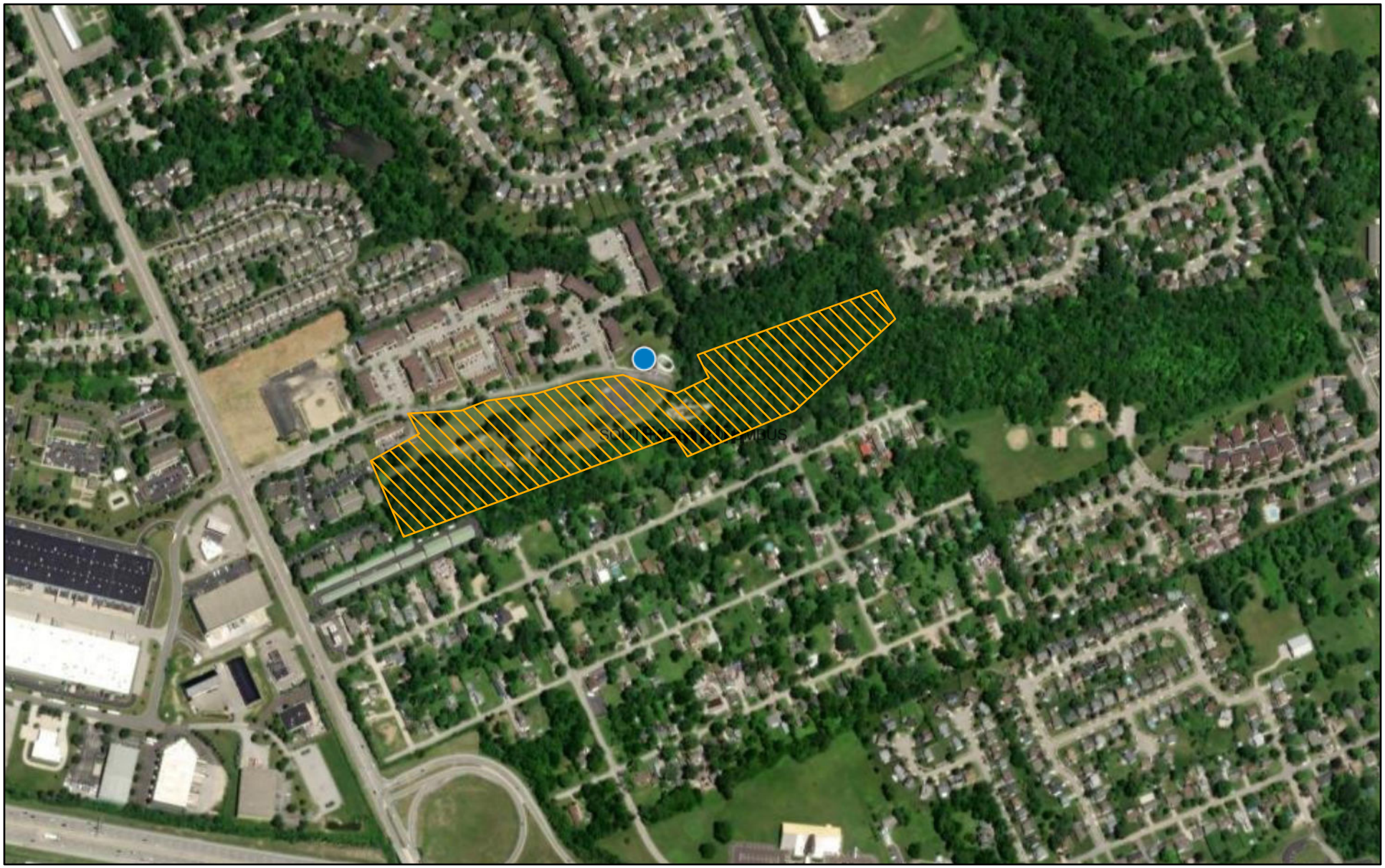
0 0.05 0.1 0.2 mi

0 0.07 0.15 0.3 km

Esri, HERE, iPC, Esri, HERE, Garmin, iPC, Maxar

Ohio Dept. of Natural Resources

Mines of Ohio



March 6, 2024

Quadrangle 24K (7.5 min)

1:9,028

0 0.05 0.1 0.2 mi

0 0.07 0.15 0.3 km

Maxar

Ohio Dept. of Natural Resources

7
Office of Real Estate
Tara Paciorek, Chief
2045 Morse Road – Bldg. E-2
Columbus, Ohio 43229
Phone: (614) 265-6661
Fax: (614) 267-4764

April 26, 2024

Devin Starr
August Mack Environmental, Inc.
7830 North Central Drive, Suite B
Lewis Center, OH 43035

Re: 24-0519_West Fork Apartments

Project: The proposed project involves the new construction of a 6-building housing development consisting of 216 units.

Location: The proposed project is located in Franklin Township, Franklin County, Ohio.

The Ohio Department of Natural Resources (ODNR) has completed a review of the above referenced project. These comments were generated by an inter-disciplinary review within the Department. These comments have been prepared under the authority of the Fish and Wildlife Coordination Act (48 Stat. 401, as amended; 16 U.S.C. 661 et seq.), the National Environmental Policy Act, the Coastal Zone Management Act, Ohio Revised Code and other applicable laws and regulations. These comments are also based on ODNR's experience as the state natural resource management agency and do not supersede or replace the regulatory authority of any local, state, or federal agency nor relieve the applicant of the obligation to comply with any local, state, or federal laws or regulations.

Natural Heritage Database: The Natural Heritage Database has the following data within one mile of the project area:

Great Egret (*Ardea alba*), SC
Great Blue Heron Rookery

Conservation status abbreviations are as follows: E = state endangered; T = state threatened; P = state potentially threatened; SC = state species of concern; SI = state special interest; U = state status under review; X = presumed extirpated in Ohio; FE = federally endangered, and FT = federally threatened. The review was performed on the specified project area as well as an additional one-mile radius. Records searched date from 1980. Features searched include locations of rare and endangered plants and animals determined to be of value to the conservation of their species, high quality plant communities, animal breeding assemblages, and outstanding geological features.

The species and features listed above are not recorded within the boundaries of the specified project area. However please note that Ohio has not been completely surveyed and we rely on receiving information from many sources. Therefore, a lack of records for an area is not a statement that rare species or unique features are absent from that area.

Fish and Wildlife: The Division of Wildlife (DOW) has the following comments.

The DOW recommends that impacts to streams, wetlands and other water resources be avoided and minimized to the fullest extent possible, and that Best Management Practices be utilized to minimize erosion and sedimentation.

The project is within the vicinity of records for the little brown bat (*Myotis lucifugus*), a state endangered species. Because presence of state endangered bat species has been established in the area, summer tree cutting is not recommended, and additional summer surveys would not constitute presence/absence in the area. However, limited summer tree cutting inside this buffer may be acceptable after further consultation with DOW (contact Eileen Wyza at Eileen.Wyza@dnr.ohio.gov).

In addition, the entire state of Ohio is within the range of the Indiana bat (*Myotis sodalis*), a state endangered and federally endangered species, the northern long-eared bat (*Myotis septentrionalis*), a state endangered and federally endangered species, the little brown bat (*Myotis lucifugus*), a state endangered species, and the tricolored bat (*Perimyotis subflavus*), a state endangered species. During the spring and summer (April 1 through September 30), these bat species predominately roost in trees behind loose, exfoliating bark, in crevices and cavities, or in the leaves. However, these species are also dependent on the forest structure surrounding roost trees. The DOW recommends tree cutting only occur from October 1 through March 31, conserving trees with loose, shaggy bark and/or crevices, holes, or cavities, as well as trees with DBH ≥ 20 if possible.

The DOW also recommends that a desktop habitat assessment is conducted, followed by a field assessment if needed, to determine if a potential hibernaculum is present within the project area. Direction on how to conduct habitat assessments can be found in the current USFWS "*RANGE-WIDE INDIANA BAT & NORTHERN LONG-EARED BAT SURVEY GUIDELINES*." If a habitat assessment finds that a potential hibernaculum is present within 0.25 miles of the project area, please send this information to Eileen Wyza for project recommendations. If a potential or known hibernaculum is found, the DOW recommends a 0.25-mile tree cutting and subsurface disturbance buffer around the hibernaculum entrance, however, limited summer or winter tree cutting may be acceptable after consultation with the DOW. If no tree cutting or subsurface impacts to a hibernaculum are proposed, this project is not likely to impact these species.

The project is within the range of the following listed mussel species.
Federally Endangered
clubshell (*Pleurobema clava*)
rayed bean (*Villosa fabalis*)
northern riffleshell (*Epioblasma torulosa rangiana*)
snuffbox (*Epioblasma triquetra*)
purple cat's paw (*Epioblasma o. obliquata*)

Federally Threatened
rabbitsfoot (*Quadrula cylindrica cylindrica*)

State Endangered
elephant-ear (*Elliptio crassidens crassidens*)
pocketbook (*Lampsilis ovata*)
long solid (*Fusconaia maculata maculate*)
washboard (*Megalonaias nervosa*)
Ohio pigtoe (*Pleurobema cordatum*)

State Threatened
pondhorn (*Uniomerus tetralasmus*)
Salamander Mussel (*Simpsonaias ambigua*)

This project must not have an impact on native mussels. This applies to both listed and non-listed species, as all species of mussel are protected in Ohio. Per the Ohio Mussel Survey Protocol (2022), all Group 2, 3, and 4 streams (Appendix A) require a mussel survey. Per the Ohio Mussel Survey Protocol, Group 1 streams (Appendix A) and unlisted streams with a watershed of 5 square miles or larger above the point of impact should be assessed using the Reconnaissance Survey for Unionid Mussels (Appendix B) to determine if mussels are present. Mussel surveys may be recommended for these streams as well. Therefore, if in-water work is planned in any stream that meets any of the above criteria, the DOW recommends the applicant provide information to indicate no mussel impacts will occur. If this is not possible, the DOW recommends a professional malacologist conduct a mussel survey in the project area. If mussels that cannot be avoided are found in the project area, the DOW recommends a professional malacologist collect and relocate the mussels to suitable and similar habitat upstream of the project site. Mussel surveys and any subsequent mussel relocation should be done in accordance with the Ohio Mussel Survey Protocol. If there is no in-water work proposed, impacts to mussels are not likely.

The project is within the range of the following listed fish species.
State Endangered
goldeye (*Hiodon alosoides*)
shortnose gar (*Lepisosteus platostomus*)
Iowa darter (*Etheostoma exile*)
spotted darter (*Etheostoma maculatum*)
northern brook lamprey (*Ichthyomyzon fossor*)
tonguetied minnow (*Exoglossum laurae*)
popeye shiner (*Notropis ariommus*)

State Threatened
lake chubsucker (*Erimyzon sucetta*)
paddlefish (*Polyodon spathula*)

The DOW recommends no in-water work in perennial streams from March 15 through June 30 to reduce impacts to indigenous aquatic species and their habitat. If no in-water work is proposed in a perennial stream, this project is not likely to impact these or other aquatic species.

The project is within the range of the black-crowned night-heron *(Nycticorax nycticorax*), a state-threatened bird. Night-herons are so named because they are nocturnal, conducting most of their foraging in the evening hours or at night, and roost in trees near wetlands and waterbodies during the day. Night herons are migratory and are typically found in Ohio from April 1 through December 1 but can be found in more urbanized areas with reliable food sources year-round. Black-crowned night-herons primarily forage in wetlands and other shallow aquatic habitats, and roost in trees nearby. These night-herons nest in small trees, saplings, shrubs, or sometimes on the ground, near bodies of water and wetlands. If this type of habitat will be impacted, construction should be avoided in this habitat during the species' nesting period of May 1 through July 31. If this type of habitat will not be impacted, this project is not likely to impact this species.

Due to the potential of impacts to federally listed species, as well as to state listed species, we recommend that this project be coordinated with the US Fish & Wildlife Service.

Thank you for affording us the opportunity to comment.

Water Resources: The Division of Water Resources has the following comment.

The local floodplain administrator should be contacted concerning the possible need for any floodplain permits or approvals for this project.

ODNR appreciates the opportunity to provide these comments. Please contact Mike Pettegrew at mike.pettegrew@dnr.ohio.gov if you have questions about these comments or need additional information.

Mike Pettegrew
Environmental Services Administrator

Devin Starr

From: Eileen.Wyza@dnr.ohio.gov
Sent: Tuesday, July 16, 2024 11:12 AM
To: Devin Starr
Subject: RE: West Fork Apartments

Thank you Devin!

Per review of the desktop survey provided for the West Fork Apartments Project, the Ohio Division of Wildlife concurs with your assessment that no caves, cliffs, or mine openings occur in the project area. Therefore, the project is not likely to impact hibernating bats.

Should any reported conditions change before or during construction, please contact me for additional guidance.

Eileen Wyza, Ph.D.
(she/her/hers)
Wildlife Biologist
Ohio Division of Wildlife
Phone: 614-265-6764
Email: Eileen.Wyza@dnr.ohio.gov

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Please consider the environment before printing this email.

From: Devin Starr <dstarr@augustmack.com>
Sent: Tuesday, July 16, 2024 9:00 AM
To: Wyza, Eileen <Eileen.Wyza@dnr.ohio.gov>
Subject: RE: West Fork Apartments

Good morning, Eileen,

Sincere apologies, please see attached.

Thank you,

Devin Starr
Due Diligence Manager I
August Mack Environmental, Inc.
Email: dstarr@augustmack.com
Phone: 330.847.6324
7830 North Central Drive, Suite B
Lewis Center, OH 43035
www.augustmack.com

Expertise. Innovation. Commitment. Nationwide.

From: Eileen.Wyza@dnr.ohio.gov <Eileen.Wyza@dnr.ohio.gov>
Sent: Monday, July 15, 2024 2:46 PM
To: Devin Starr <dstarr@augustmack.com>
Subject: RE: West Fork Apartments

Hi Devin,

Could you provide me with a location and/or screenshots of your findings?

Thanks!

Eileen Wyza, Ph.D.
(she/her/hers)
Wildlife Biologist
Ohio Division of Wildlife
Phone: 614-265-6764
Email: Eileen.Wyza@dnr.ohio.gov

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Please consider the environment before printing this email.

From: Devin Starr
<dstarr@augustmack.com>
Sent: Friday, July 12, 2024 11:42 AM
To: Wyza, Eileen <Eileen.Wyza@dnr.ohio.gov>
Subject: West Fork Apartments

Good morning, Eileen,

I wanted to provide you the Findings of our desktop habitat review for the West Fork Apartments project. The project is located in Columbus, Franklin County, Ohio at 3400 Twin Creek Drive. According to ODNR's Mines of Ohio Interactive Map, the closest mine is an industrial surface mine that is approximately 1.0-miles northeast of the subject property. The closest underground mine is located approximately 45.1-miles southeast. According to the ODNR Karst Map, the closest karst is located 2.48-miles north of the subject property.

Please let me know if you have any questions or comments.

Have a great weekend.

Thank you,

August Mack
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Devin Starr
Due Diligence Manager I
August Mack Environmental, Inc.
Email: dstarr@augustmack.com
Phone: 330.847.6324
7830 North Central Drive, Suite B
Lewis Center, OH 43035
www.augustmack.com

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Appendix K -

Wild and Scenic Rivers Maps

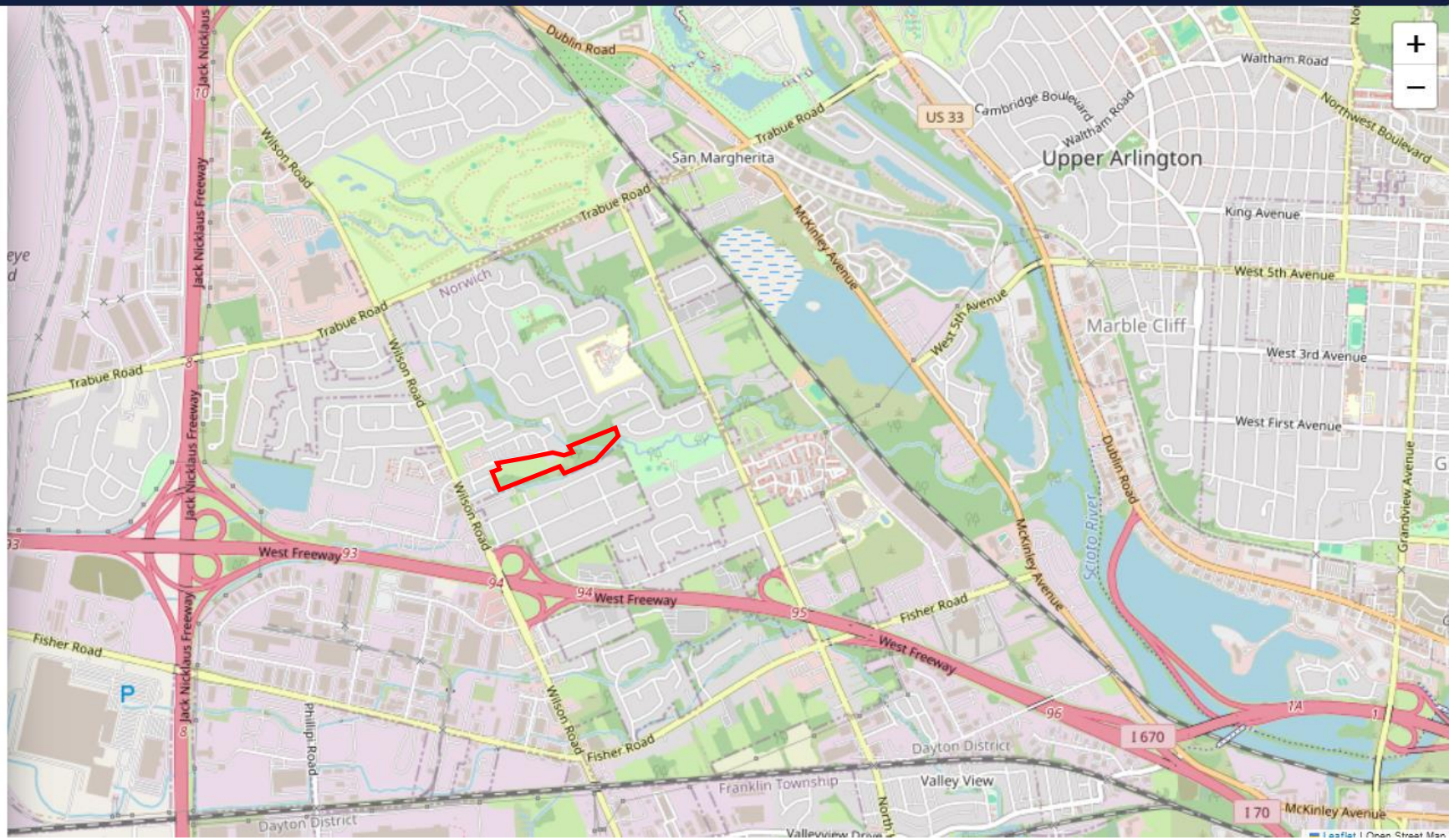
Conneaut Creek
Ashtabula River
Grand River
Pymatuning Creek
Upper Cuyahoga River
Chagrin River
Little Beaver Creek
Mohican River
Kokosing River
Sandusky River
Maumee River
Stillwater River
Greenville Creek
Olentangy River
Big & Little Darby Creeks
Little Miami River
TOLEDO
CLEVELAND
AKRON
COLUMBUS
DAYTON
CINCINNATI
ATHENS
PORTSMOUTH
80
90
76
75
71
23
33
77
70
Wild & Scenic
Scenic
Scenic & Recreational

Find a River

State

Classification

Outstandingly Remarkable Values



Appendix L -

Air Quality Evaluation

NEPAssist Report

A3 Landscape

February 21, 2024

1:18,345

Toxic Releases (TRI) | Air Pollution (ICIS-AIR) | Project 1

Air Pollution (ICIS-AIR) | Project Buffer | Search Result (point)

0 0.17 0.35 0.7 mi

0 0.28 0.55 1.1 km

Maxar, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USFWS

Input Coordinates: 39.980137,-83.100074,39.980400,-83.100203,39.980490,-83.099044,39.980687,-83.098014,39.980852,-83.097156,39.980786,-83.096673,39.980622,-83.096115,39.980761,-83.095729,39.981016,-83.095922,39.981929,-83.093315,39.981567,-83.092982,39.980383,-83.094152,39.979693,-83.096201,39.979956,-83.096362,39.978920,-83.100213,39.979890,-83.100793,39.980137,-83.100074

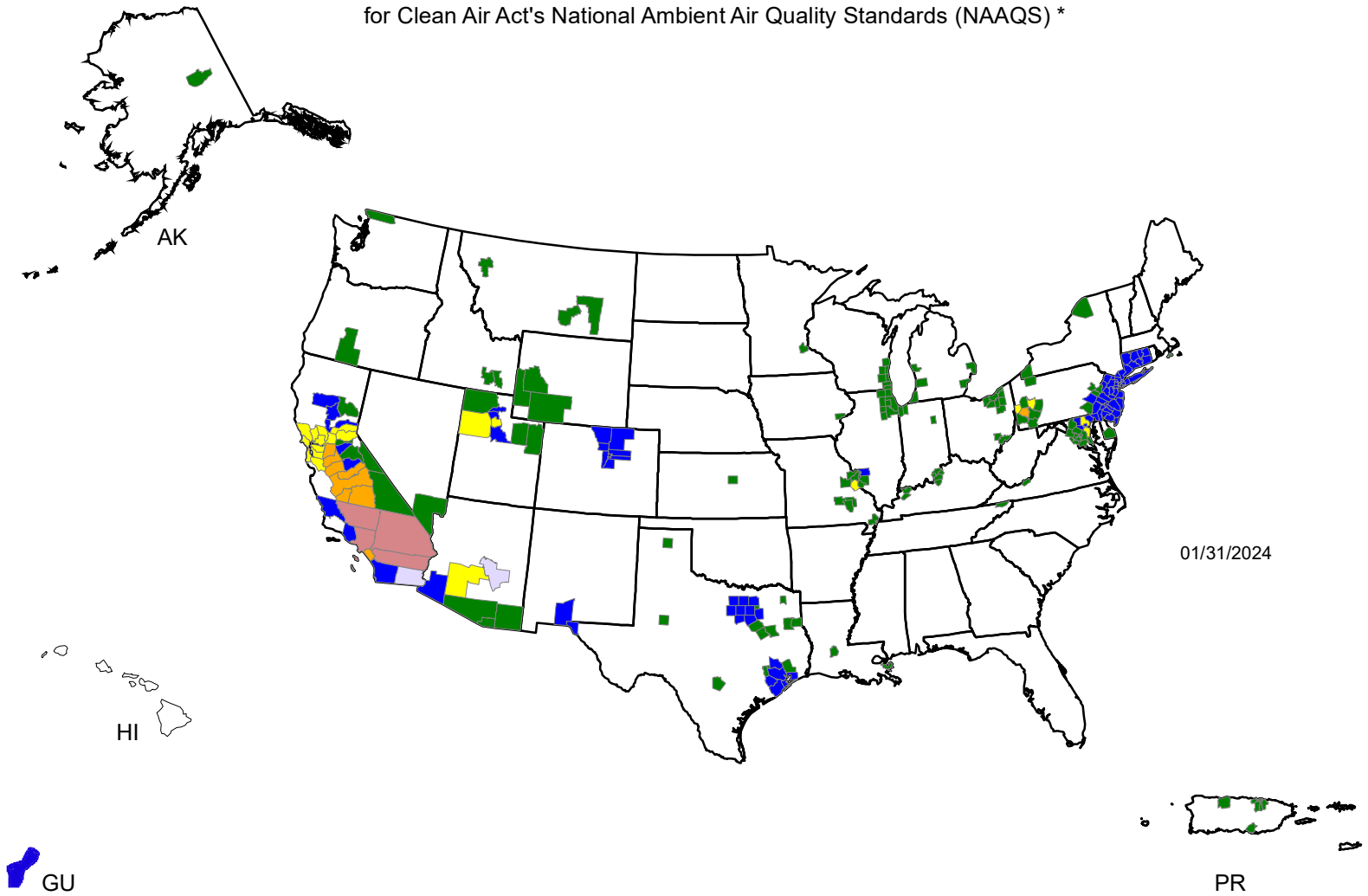
Project Area	0.03 sq mi
Within 1000 feet of an Ozone 1-hr (1979 standard) Non-Attainment/Maintenance Area?	yes
Within 1000 feet of an Ozone 8-hr (1997 standard) Non-Attainment/Maintenance Area?	yes
Within 1000 feet of an Ozone 8-hr (2008 standard) Non-Attainment/Maintenance Area?	yes
Within 1000 feet of an Ozone 8-hr (2015 standard) Non-Attainment/Maintenance Area?	yes
Within 1000 feet of a Lead (2008 standard) Non-Attainment/Maintenance Area?	no
Within 1000 feet of a SO2 1-hr (2010 standard) Non-Attainment/Maintenance Area?	no
Within 1000 feet of a PM2.5 24hr (2006 standard) Non-Attainment/Maintenance Area?	no
Within 1000 feet of a PM2.5 Annual (1997 standard) Non-Attainment/Maintenance Area?	yes
Within 1000 feet of a PM2.5 Annual (2012 standard) Non-Attainment/Maintenance Area?	no
Within 1000 feet of a PM10 (1987 standard) Non-Attainment/Maintenance Area?	no
Within 1000 feet of a CO Annual (1971 standard) Non-Attainment/Maintenance Area?	no
Within 1000 feet of a NO2 Annual (1971 standard) Non-Attainment/Maintenance Area?	no
Within 1000 feet of a Federal Land?	no
Within 1000 feet of an impaired stream?	no
Within 1000 feet of an impaired waterbody?	yes
Within 1000 feet of a waterbody?	yes
Within 1000 feet of a stream?	yes
Within 1000 feet of an NWI wetland?	Available Online

Within 1000 feet of a Brownfields site?	no
Within 1000 feet of a Superfund site?	no
Within 1000 feet of a Toxic Release Inventory (TRI) site?	no
Within 1000 feet of a water discharger (NPDES)?	no
Within 1000 feet of a hazardous waste (RCRA) facility?	yes
Within 1000 feet of an air emission facility?	no
Within 1000 feet of a school?	no
Within 1000 feet of an airport?	no
Within 1000 feet of a hospital?	no
Within 1000 feet of a designated sole source aquifer?	no
Within 1000 feet of a historic property on the National Register of Historic Places?	no
Within 1000 feet of a Land Cession Boundary?	yes
Within 1000 feet of a tribal area (lower 48 states)?	no
Within 1000 feet of the service area of a mitigation or conservation bank?	yes
Within 1000 feet of the service area of an In-Lieu-Fee Program?	yes
Within 1000 feet of a Public Property Boundary of the Formerly Used Defense Sites?	no
Within 1000 feet of a Munitions Response Site?	no
Within 1000 feet of an Essential Fish Habitat (EFH)?	no
Within 1000 feet of a Habitat Area of Particular Concern (HAPC)?	no
Within 1000 feet of an EFH Area Protected from Fishing (EFHA)?	no
Within 1000 feet of a Bureau of Land Management Area of Critical Environmental Concern?	no
Within 1000 feet of an ESA-designated Critical Habitat Area per U.S. Fish & Wildlife Service?	no
Within 1000 feet of an ESA-designated Critical Habitat river, stream or water feature per U.S. Fish & Wildlife Service?	no

Created on: 2/21/2024 3:09:00 PM

Counties Designated "Nonattainment"

for Clean Air Act's National Ambient Air Quality Standards (NAAQS) *



Legend **

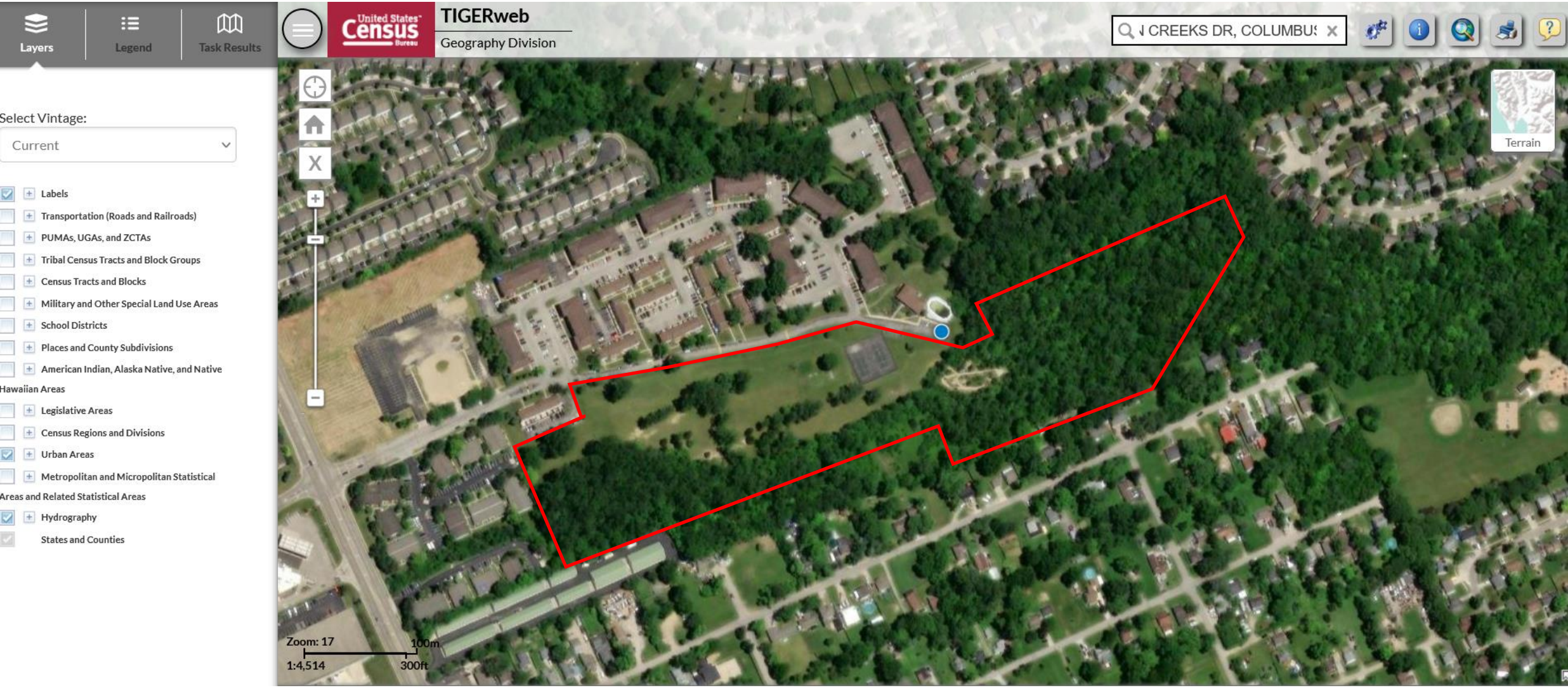
- County Designated Nonattainment for 6 NAAQS Pollutants
- County Designated Nonattainment for 5 NAAQS Pollutants
- County Designated Nonattainment for 4 NAAQS Pollutants
- County Designated Nonattainment for 3 NAAQS Pollutants
- County Designated Nonattainment for 2 NAAQS Pollutants
- County Designated Nonattainment for 1 NAAQS Pollutant

* The National Ambient Air Quality Standards (NAAQS) are health standards for Carbon Monoxide, Lead (1978 and 2008), Nitrogen Dioxide, 8-hour Ozone (2008), Particulate Matter (PM-10 and PM-2.5 (1997, 2006 and 2012), and Sulfur Dioxide.(1971 and 2010)

** Included in the counts are counties designated for NAAQS and revised NAAQS pollutants. Revoked 1-hour (1979) and 8-hour Ozone (1997) are excluded. Partial counties, those with part of the county designated nonattainment and part attainment, are shown as full counties on the map.

Appendix M -

U.S. Census Map


Layers
Legend
Task Results
United States Census Bureau
TIGERweb
Geography Division
CREEKS DR, COLUMBUS
Select Vintage:
Current
Labels
Transportation (Roads and Railroads)
PUMAs, UGAs, and ZCTAs
Tribal Census Tracts and Block Groups
Census Tracts and Blocks
Military and Other Special Land Use Areas
School Districts
Places and County Subdivisions
American Indian, Alaska Native, and Native Hawaiian Areas
Legislative Areas
Census Regions and Divisions
Urban Areas
Metropolitan and Micropolitan Statistical Areas and Related Statistical Areas
Hydrography
States and Counties
Terrain
Zoom: 17
1:4,514
100m
300ft

Appendix N -

Noise Evaluation

DNL Calculator

The Day/Night Noise Level Calculator is an electronic assessment tool that calculates the Day/Night Noise Level (DNL) from roadway and railway traffic. For more information on using the DNL calculator, view the **Day/Night Noise Level Calculator Electronic Assessment Tool Overview (/programs/environmental-review/daynight-noise-level-electronic-assessment-tool/)**.

Guidelines

- To display the Road and/or Rail DNL calculator(s), click on the "Add Road Source" and/or "Add Rail Source" button(s) below.
- All Road and Rail input values must be positive non-decimal numbers.
- All Road and/or Rail DNL value(s) must be calculated separately before calculating the Site DNL.
- All checkboxes that apply must be checked for vehicles and trains in the tables' headers.
- **Note #1:** Tooltips, containing field specific information, have been added in this tool and may be accessed by hovering over all the respective data fields (site identification, roadway and railway assessment, DNL calculation results, roadway and railway input variables) with the mouse.
- **Note #2:** DNL Calculator assumes roadway data is always entered.

DNL Calculator

Site ID	West Fork Apartments - NAL 1
Record Date	02/27/2024
User's Name	August Mack Environmental, Inc.

Road # 1 Name: **N. Wilson Road**

Road #1

Vehicle Type	**Cars** ☑	**Medium Trucks** ☐	**Heavy Trucks** ☑
Effective Distance	1440		1440
Distance to Stop Sign			
Average Speed	45		45
Average Daily Trips (ADT)	11527		606
Night Fraction of ADT	15		15
Road Gradient (%)			2
Vehicle DNL	45	0	50
Calculate Road #1 DNL	51	Reset	

Railroad #1 Track Identifier: **Norfolk Southern**

Rail # 1

Train Type	**Electric** ☐	**Diesel** ☑

Effective Distance		3670
Average Train Speed		30
Engines per Train		2
Railway cars per Train		50
Average Train Operations (ATO)		1
Night Fraction of ATO		15
Railway whistles or horns?	Yes: ☐ No: ☐	Yes: ☐ No: ☑
Bolted Tracks?	Yes: ☐ No: ☐	Yes: ☑ No: ☐
Train DNL	0	31
Calculate Rail #1 DNL	31	Reset

Add Road Source | Add Rail Source

Airport Noise Level	
Loud Impulse Sounds?	○**Yes** ◉**No**

Combined DNL for all Road and Rail sources	**51**
Combined DNL including Airport	**N/A**
Site DNL with Loud Impulse Sound	

Calculate | Reset

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

- **No Action Alternative**: Cancel the project at this location
- **Other Reasonable Alternatives**: Choose an alternate site
- **Mitigation**
    - **Contact your Field or Regional Environmental Officer (/programs/environmental-review/hud-environmental-staff-contacts/)**
    - Increase mitigation in the building walls (only effective if no outdoor, noise sensitive areas)
    - Reconfigure the site plan to increase the distance between the noise source and noise-sensitive uses
    - Incorporate natural or man-made barriers. See ***The Noise Guidebook (/resource/313/hud-noise-guidebook/)***
    - Construct noise barrier. See the **Barrier Performance Module (/programs/environmental-review/bpm-calculator/)**

Tools and Guidance

Day/Night Noise Level Assessment Tool User Guide (/resource/3822/day-night-noise-level-assessment-tool-user-guide/)

Day/Night Noise Level Assessment Tool Flowcharts (/resource/3823/day-night-noise-level-assessment-tool-flowcharts/)

DNL Calculator

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Guidelines

- To display the Road and/or Rail DNL calculator(s), click on the "Add Road Source" and/or "Add Rail Source" button(s) below.
- All Road and Rail input values must be positive non-decimal numbers.
- All Road and/or Rail DNL value(s) must be calculated separately before calculating the Site DNL.
- All checkboxes that apply must be checked for vehicles and trains in the tables' headers.
- **Note #1:** Tooltips, containing field specific information, have been added in this tool and may be accessed by hovering over all the respective data fields (site identification, roadway and railway assessment, DNL calculation results, roadway and railway input variables) with the mouse.
- **Note #2:** DNL Calculator assumes roadway data is always entered.

DNL Calculator

Site ID	West Fork Apartments - NAL 2
Record Date	02/27/2024
User's Name	August Mack Environmental, Inc.

Road # 1 Name: **N. Wilson Road**

Road #1

Vehicle Type	**Cars** ☑	**Medium Trucks** ☐	**Heavy Trucks** ☑
Effective Distance	1330		1330
Distance to Stop Sign			
Average Speed	45		45
Average Daily Trips (ADT)	11527		606
Night Fraction of ADT	15		15
Road Gradient (%)			2
Vehicle DNL	45	0	51
Calculate Road #1 DNL	52	Reset	

Railroad #1 Track Identifier: **Norfolk Southern**

Rail # 1

Train Type	**Electric** ☐	**Diesel** ☑

Effective Distance		3578
Average Train Speed		30
Engines per Train		2
Railway cars per Train		50
Average Train Operations (ATO)		1
Night Fraction of ATO		15
Railway whistles or horns?	Yes: ☐ No: ☐	Yes: ☐ No: ☑
Bolted Tracks?	Yes: ☐ No: ☐	Yes: ☑ No: ☐
Train DNL	0	31

Calculate Rail #1 DNL | 31 | Reset

Add Road Source | Add Rail Source

Airport Noise Level	
Loud Impulse Sounds?	○**Yes** ◉**No**

Combined DNL for all Road and Rail sources	**52**
Combined DNL including Airport	**N/A**
Site DNL with Loud Impulse Sound	

Calculate | Reset

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

- **No Action Alternative**: Cancel the project at this location
- **Other Reasonable Alternatives**: Choose an alternate site
- **Mitigation**
    - **Contact your Field or Regional Environmental Officer (/programs/environmental-review/hud-environmental-staff-contacts/)**
    - Increase mitigation in the building walls (only effective if no outdoor, noise sensitive areas)
    - Reconfigure the site plan to increase the distance between the noise source and noise-sensitive uses
    - Incorporate natural or man-made barriers. See ***The Noise Guidebook (/resource/313/hud-noise-guidebook/)***
    - Construct noise barrier. See the **Barrier Performance Module (/programs/environmental-review/bpm-calculator/)**

Tools and Guidance

Day/Night Noise Level Assessment Tool User Guide (/resource/3822/day-night-noise-level-assessment-tool-user-guide/)

Day/Night Noise Level Assessment Tool Flowcharts (/resource/3823/day-night-noise-level-assessment-tool-flowcharts/)

DNL Calculator

The Day/Night Noise Level Calculator is an electronic assessment tool that calculates the Day/Night Noise Level (DNL) from roadway and railway traffic. For more information on using the DNL calculator, view the **Day/Night Noise Level Calculator Electronic Assessment Tool Overview (/programs/environmental-review/daynight-noise-level-electronic-assessment-tool/)**.

Guidelines

- To display the Road and/or Rail DNL calculator(s), click on the "Add Road Source" and/or "Add Rail Source" button(s) below.
- All Road and Rail input values must be positive non-decimal numbers.
- All Road and/or Rail DNL value(s) must be calculated separately before calculating the Site DNL.
- All checkboxes that apply must be checked for vehicles and trains in the tables' headers.
- **Note #1:** Tooltips, containing field specific information, have been added in this tool and may be accessed by hovering over all the respective data fields (site identification, roadway and railway assessment, DNL calculation results, roadway and railway input variables) with the mouse.
- **Note #2:** DNL Calculator assumes roadway data is always entered.

DNL Calculator

Site ID	West Fork Apartments - NAL 3
Record Date	02/27/2024
User's Name	August Mack Environmental, Inc.

Road # 1 Name: **N. Wilson Road**

Road #1

Vehicle Type	**Cars** ☑	**Medium Trucks** ☐	**Heavy Trucks** ☑
Effective Distance	1120		1120
Distance to Stop Sign			
Average Speed	45		45
Average Daily Trips (ADT)	11527		606
Night Fraction of ADT	15		15
Road Gradient (%)			2
Vehicle DNL	46	0	52
Calculate Road #1 DNL	53	Reset	

Railroad #1 Track Identifier: **Norfolk Southern**

Rail # 1

Train Type	**Electric** ☐	**Diesel** ☑

Effective Distance		3351
Average Train Speed		30
Engines per Train		2
Railway cars per Train		50
Average Train Operations (ATO)		1
Night Fraction of ATO		15
Railway whistles or horns?	Yes: ☐ No: ☐	Yes: ☐ No: ☑
Bolted Tracks?	Yes: ☐ No: ☐	Yes: ☑ No: ☐
Train DNL	0	32
Calculate Rail #1 DNL	32	Reset

Add Road Source | Add Rail Source

Airport Noise Level	
Loud Impulse Sounds?	○**Yes** ◉**No**

Combined DNL for all Road and Rail sources	**53**
Combined DNL including Airport	**N/A**
Site DNL with Loud Impulse Sound	

Calculate | Reset

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

- **No Action Alternative**: Cancel the project at this location
- **Other Reasonable Alternatives**: Choose an alternate site
- **Mitigation**
    - **Contact your Field or Regional Environmental Officer (/programs/environmental-review/hud-environmental-staff-contacts/)**
    - Increase mitigation in the building walls (only effective if no outdoor, noise sensitive areas)
    - Reconfigure the site plan to increase the distance between the noise source and noise-sensitive uses
    - Incorporate natural or man-made barriers. See ***The Noise Guidebook (/resource/313/hud-noise-guidebook/)***
    - Construct noise barrier. See the **Barrier Performance Module (/programs/environmental-review/bpm-calculator/)**

Tools and Guidance

Day/Night Noise Level Assessment Tool User Guide (/resource/3822/day-night-noise-level-assessment-tool-user-guide/)

Day/Night Noise Level Assessment Tool Flowcharts (/resource/3823/day-night-noise-level-assessment-tool-flowcharts/)

DNL Calculator

The Day/Night Noise Level Calculator is an electronic assessment tool that calculates the Day/Night Noise Level (DNL) from roadway and railway traffic. For more information on using the DNL calculator, view the **Day/Night Noise Level Calculator Electronic Assessment Tool Overview (/programs/environmental-review/daynight-noise-level-electronic-assessment-tool/)**.

Guidelines

- To display the Road and/or Rail DNL calculator(s), click on the "Add Road Source" and/or "Add Rail Source" button(s) below.
- All Road and Rail input values must be positive non-decimal numbers.
- All Road and/or Rail DNL value(s) must be calculated separately before calculating the Site DNL.
- All checkboxes that apply must be checked for vehicles and trains in the tables' headers.
- **Note #1:** Tooltips, containing field specific information, have been added in this tool and may be accessed by hovering over all the respective data fields (site identification, roadway and railway assessment, DNL calculation results, roadway and railway input variables) with the mouse.
- **Note #2:** DNL Calculator assumes roadway data is always entered.

DNL Calculator

Site ID	West Fork Apartments - NAL 4
Record Date	02/27/2024
User's Name	August Mack Environmental, Inc.

Road # 1 Name: **N. Wilson Road**

Road #1

Vehicle Type	**Cars** ☑	**Medium Trucks** ☐	**Heavy Trucks** ☑
Effective Distance	1080		1080
Distance to Stop Sign			
Average Speed	45		45
Average Daily Trips (ADT)	11527		606
Night Fraction of ADT	15		15
Road Gradient (%)			2
Vehicle DNL	47	0	52
Calculate Road #1 DNL	53	Reset	

Railroad #1 Track Identifier: **Norfolk Southern**

Rail # 1

Train Type	**Electric** ☐	**Diesel** ☑

Effective Distance		3330
Average Train Speed		30
Engines per Train		2
Railway cars per Train		50
Average Train Operations (ATO)		1
Night Fraction of ATO		15
Railway whistles or horns?	Yes: ☐ No: ☐	Yes: ☐ No: ☑
Bolted Tracks?	Yes: ☐ No: ☐	Yes: ☑ No: ☐
Train DNL	0	32
Calculate Rail #1 DNL	32	Reset

Add Road Source | Add Rail Source

Airport Noise Level	
Loud Impulse Sounds?	○**Yes** ◉**No**

Combined DNL for all Road and Rail sources	**53**
Combined DNL including Airport	**N/A**
Site DNL with Loud Impulse Sound	

Calculate | Reset

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

- **No Action Alternative**: Cancel the project at this location
- **Other Reasonable Alternatives**: Choose an alternate site
- **Mitigation**
    - **Contact your Field or Regional Environmental Officer (/programs/environmental-review/hud-environmental-staff-contacts/)**
    - Increase mitigation in the building walls (only effective if no outdoor, noise sensitive areas)
    - Reconfigure the site plan to increase the distance between the noise source and noise-sensitive uses
    - Incorporate natural or man-made barriers. See ***The Noise Guidebook (/resource/313/hud-noise-guidebook/)***
    - Construct noise barrier. See the **Barrier Performance Module (/programs/environmental-review/bpm-calculator/)**

Tools and Guidance

Day/Night Noise Level Assessment Tool User Guide (/resource/3822/day-night-noise-level-assessment-tool-user-guide/)

Day/Night Noise Level Assessment Tool Flowcharts (/resource/3823/day-night-noise-level-assessment-tool-flowcharts/)

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Guidelines

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- **Note #2:** DNL Calculator assumes roadway data is always entered.

DNL Calculator

Site ID	West Fork Apartments - NAL 5
Record Date	02/27/2024
User's Name	August Mack Environmental, Inc.

Road # 1 Name: **N. Wilson Road**

Road #1

Vehicle Type	**Cars** ☑	**Medium Trucks** ☐	**Heavy Trucks** ☑
Effective Distance	919		919
Distance to Stop Sign			
Average Speed	45		45
Average Daily Trips (ADT)	11527		606
Night Fraction of ADT	15		15
Road Gradient (%)			2
Vehicle DNL	48	0	53
Calculate Road #1 DNL	54	Reset	

Railroad #1 Track Identifier: **Norfolk Southern**

Rail # 1

Train Type	**Electric** ☐	**Diesel** ☑

Effective Distance		3171
Average Train Speed		30
Engines per Train		2
Railway cars per Train		50
Average Train Operations (ATO)		1
Night Fraction of ATO		15
Railway whistles or horns?	Yes: ☐ No: ☐	Yes: ☐ No: ☑
Bolted Tracks?	Yes: ☐ No: ☐	Yes: ☑ No: ☐
Train DNL	0	32
Calculate Rail #1 DNL	32	Reset

Add Road Source | Add Rail Source

Airport Noise Level	
Loud Impulse Sounds?	○**Yes** ◉**No**

Combined DNL for all Road and Rail sources	**54**
Combined DNL including Airport	**N/A**
Site DNL with Loud Impulse Sound	

Calculate | Reset

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

- **No Action Alternative**: Cancel the project at this location
- **Other Reasonable Alternatives**: Choose an alternate site
- **Mitigation**
    - **Contact your Field or Regional Environmental Officer (/programs/environmental-review/hud-environmental-staff-contacts/)**
    - Increase mitigation in the building walls (only effective if no outdoor, noise sensitive areas)
    - Reconfigure the site plan to increase the distance between the noise source and noise-sensitive uses
    - Incorporate natural or man-made barriers. See ***The Noise Guidebook (/resource/313/hud-noise-guidebook/)***
    - Construct noise barrier. See the **Barrier Performance Module (/programs/environmental-review/bpm-calculator/)**

Tools and Guidance

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DNL Calculator

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Guidelines

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- All checkboxes that apply must be checked for vehicles and trains in the tables' headers.
- **Note #1:** Tooltips, containing field specific information, have been added in this tool and may be accessed by hovering over all the respective data fields (site identification, roadway and railway assessment, DNL calculation results, roadway and railway input variables) with the mouse.
- **Note #2:** DNL Calculator assumes roadway data is always entered.

DNL Calculator

Site ID	West Fork Apartments - NAL 6
Record Date	02/27/2024
User's Name	August Mack Environmental, Inc.

Road # 1 Name:	**N. Wilson Road**

Road #1

Vehicle Type	**Cars** ☑	**Medium Trucks** ☐	**Heavy Trucks** ☑
Effective Distance	641		641
Distance to Stop Sign			
Average Speed	45		45
Average Daily Trips (ADT)	11527		606
Night Fraction of ADT	15		15
Road Gradient (%)			2
Vehicle DNL	50	0	55
Calculate Road #1 DNL	57	Reset	

Railroad #1 Track Identifier:	**Norfolk Southern**

Rail # 1

Train Type	**Electric** ☐	**Diesel** ☑

Effective Distance		2904
Average Train Speed		30
Engines per Train		2
Railway cars per Train		50
Average Train Operations (ATO)		1
Night Fraction of ATO		15
Railway whistles or horns?	Yes: ☐ No: ☐	Yes: ☐ No: ☑
Bolted Tracks?	Yes: ☐ No: ☐	Yes: ☑ No: ☐
Train DNL	0	33
Calculate Rail #1 DNL	33	Reset

Add Road Source | Add Rail Source

Airport Noise Level	
Loud Impulse Sounds?	○**Yes** ◉**No**

Combined DNL for all Road and Rail sources	**57**
Combined DNL including Airport	**N/A**
Site DNL with Loud Impulse Sound	

Calculate | Reset

Mitigation Options

If your site DNL is in Excess of 65 decibels, your options are:

- **No Action Alternative**: Cancel the project at this location
- **Other Reasonable Alternatives**: Choose an alternate site
- **Mitigation**
    - **Contact your Field or Regional Environmental Officer (/programs/environmental-review/hud-environmental-staff-contacts/)**
    - Increase mitigation in the building walls (only effective if no outdoor, noise sensitive areas)
    - Reconfigure the site plan to increase the distance between the noise source and noise-sensitive uses
    - Incorporate natural or man-made barriers. See ***The Noise Guidebook (/resource/313/hud-noise-guidebook/)***
    - Construct noise barrier. See the **Barrier Performance Module (/programs/environmental-review/bpm-calculator/)**

Tools and Guidance

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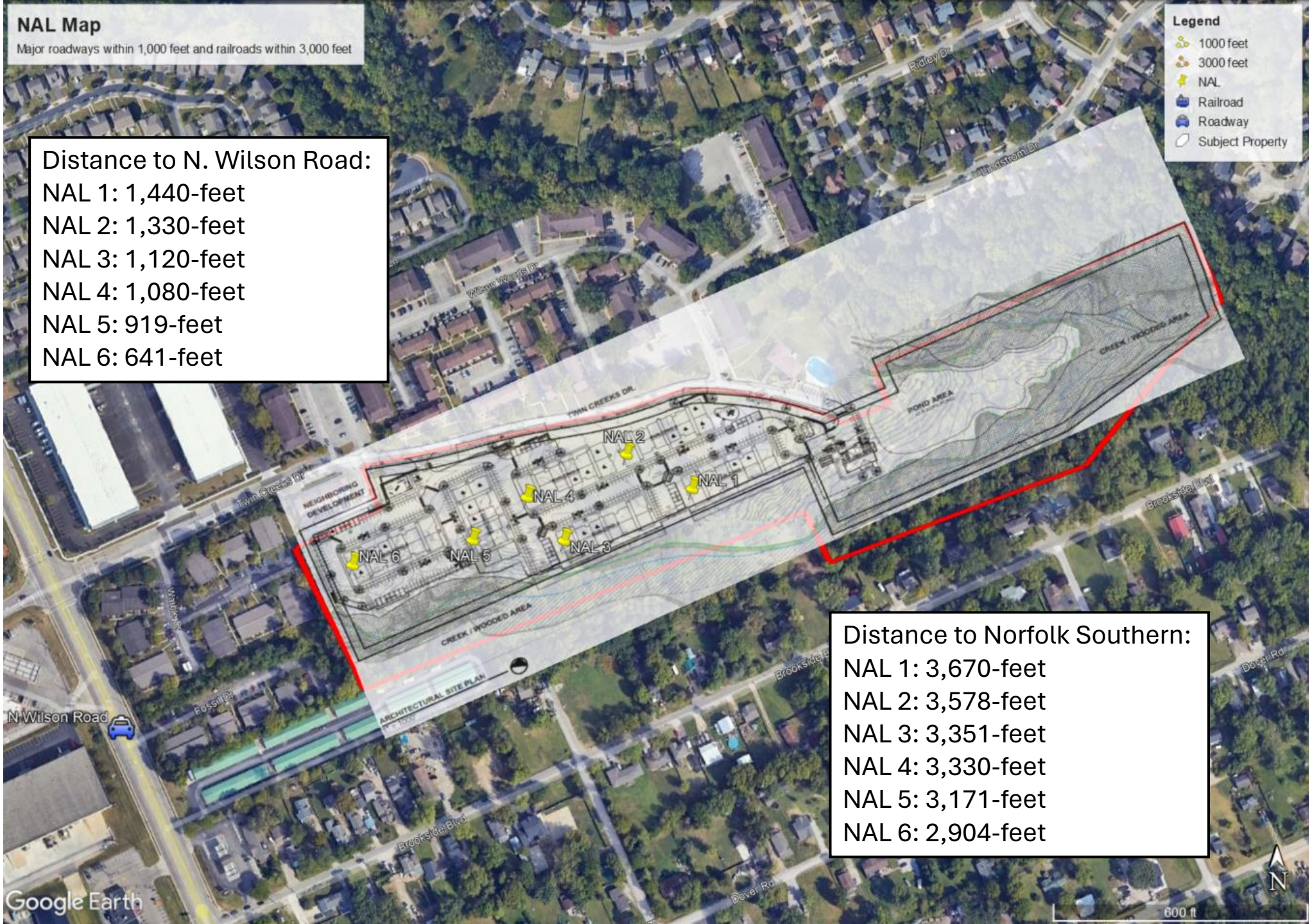
Day/Night Noise Level Assessment Tool Flowcharts (/resource/3823/day-night-noise-level-assessment-tool-flowcharts/)


NAL Map
Major roadways within 1,000 feet and railroads within 3,000 feet
Legend
1000 feet
3000 feet
NAL
Railroad
Roadway
Subject Property
Distance to N. Wilson Road:
NAL 1: 1,440-feet
NAL 2: 1,330-feet
NAL 3: 1,120-feet
NAL 4: 1,080-feet
NAL 5: 919-feet
NAL 6: 641-feet
NAL 1
NAL 2
NAL 3
NAL 4
NAL 5
NAL 6
TWIN CREEKS DR.
NEIGHBORING DEVELOPMENT
POND AREA
CREEK / WOODED AREA
ARCHITECTURAL SITE PLAN
N Wilson Road
Twin Creeks Dr
Fossil Dr
Brookside Blvd
Dover Rd
Ridley Dr
Lindstrom Dr
Wilcox Wood Dr
Distance to Norfolk Southern:
NAL 1: 3,670-feet
NAL 2: 3,578-feet
NAL 3: 3,351-feet
NAL 4: 3,330-feet
NAL 5: 3,171-feet
NAL 6: 2,904-feet
Google Earth
600 ft
N

TRANSPORTATION

TCDS Help

Transportation Data Management System

Home | Login | Locate | Locate All | Email This

Auto-Locate OFF

List View | All DIRs

Record 1 of 1 Goto Record go

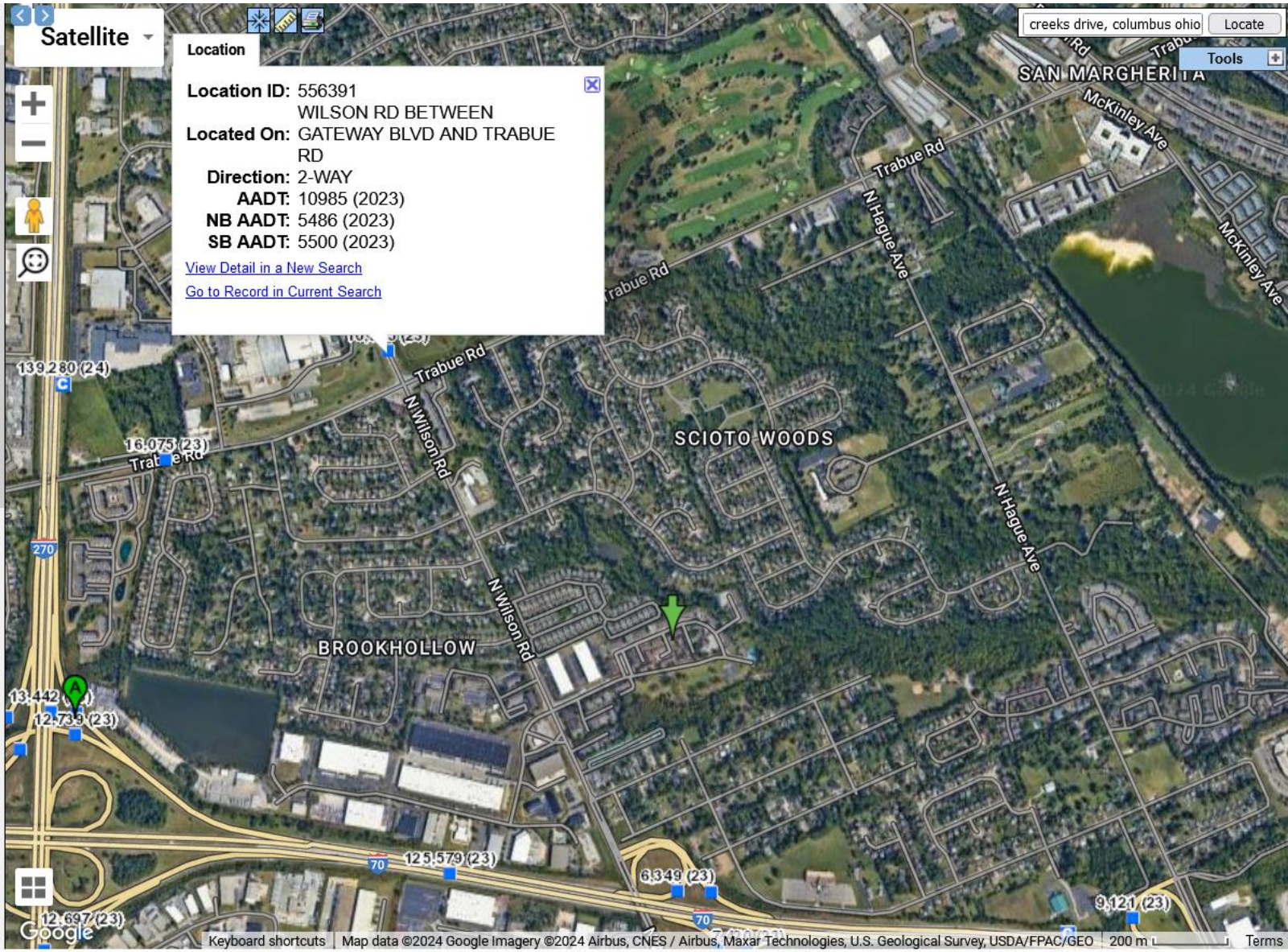
Location ID	556391	MPO ID	
Type	SPOT	HPMS ID	
On NHS	No	On HPMS	No
LRS ID	CFRACR00025**C	LRS Loc Pt.	8.9453263
SF Group	Urban Minor Arterial (4);Collector(5-6);Local(7)	Route Type	CR
AF Group	URBAN_MINOR_ARTERIAL	Route	00025
GF Group	URBAN_MINOR_ARTERIAL	Active	Yes
Class Dist Grp		Category	Screenline
Seas Clss Grp	Urban Minor Arterial (4);Collector(5-6);Local(7)		
WIM Group			
QC Group	Default		
Fnct'l Class	4 - Minor Arterial	Milepost	
Located On	WILSON RD		
Loc On Alias			
BETWEEN	GATEWAY BLVD AND TRABUE RD		
More Detail			

STATION DATA

Directions: 2-WAY | NB | SB

AADT

	Year	AADT	DHV-30	K %	D %	PA	BC	Src
	2023	10,985[3]						Grown from 2022
	2022	10,812[3]		10	50	10,278 (95%)	534 (5%)	Grown from 2021
	2021	10,812[3]		10	50	10,278 (95%)	534 (5%)	Grown from 2020
	2020	10,317[3]		10	50	9,807 (95%)	510 (5%)	Grown from 2019
	2019	11,142	1,125	10	50	10,591 (95%)	551 (5%)	



N. Wilson Road
Traffic Estimate -- Ten Year Projections

Roadway: E. Main			
	total traffic	**total cars**	**total trucks**
2023	10985	10435	549
2024	11095	10539	554
2025	11206	10645	560
2026	11318	10751	566
2027	11431	10859	571
2028	11545	10967	577
2029	11661	11077	583
2030	11777	11188	589
2031	11895	11300	594
2032	12014	11413	600
2033	**12134**	**11527**	**606**

Airport Noise Worksheet

Use this worksheet to identify information needed to evaluate a site's exposure to aircraft noise.

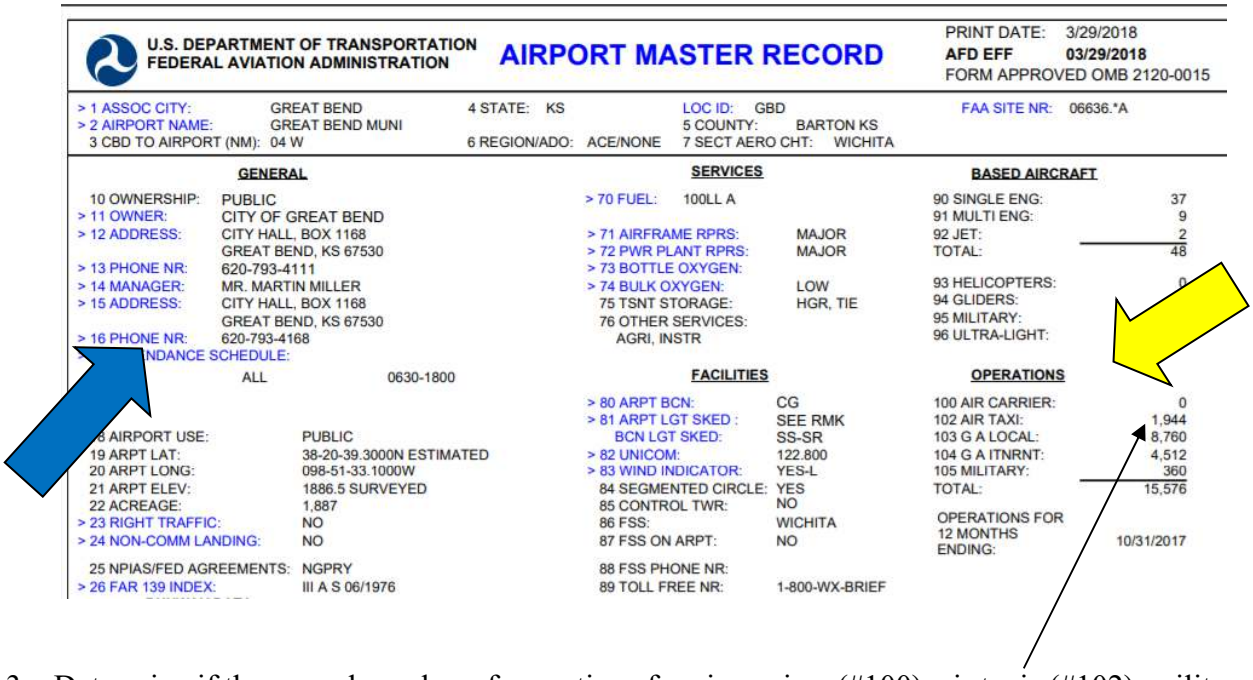
Name and Location of Project: West Fork Apartments
Name of Airport: Rickenbacker International Airport
Person completing worksheet: Helen Jesse, August Mack Environmental, Inc.
Date: February 27, 2024

1. Determine if the proposed site/project is within 15 miles of a civil or military airport.

☐ No. Attach a scaled map identifying the location of the proposed project site and the location of any airports. *Further use of this worksheet is not required.*

■ Yes. Attach a scaled map identifying the location of the proposed project site and the location of any airports. *Continue.*

2. Determine the number of operations at the airport by:
   - Go to: http://www.gcr1.com/5010web/advancedsearch.cfm
   - Find your airport using the Search function
   - Open the report under "Print 5010"
   - Complete section 3 below by using Operations data found in the report (see yellow arrow in the example below)



U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

AIRPORT MASTER RECORD

PRINT DATE: 3/29/2018
AFD EFF 03/29/2018
FORM APPROVED OMB 2120-0015

> 1 ASSOC CITY: GREAT BEND
> 2 AIRPORT NAME: GREAT BEND MUNI
3 CBD TO AIRPORT (NM): 04 W
4 STATE: KS
6 REGION/ADO: ACE/NONE
LOC ID: GBD
5 COUNTY: BARTON KS
7 SECT AERO CHT: WICHITA
FAA SITE NR: 06636.*A

GENERAL

10 OWNERSHIP: PUBLIC
> 11 OWNER: CITY OF GREAT BEND
> 12 ADDRESS: CITY HALL, BOX 1168
GREAT BEND, KS 67530
> 13 PHONE NR: 620-793-4111
> 14 MANAGER: MR. MARTIN MILLER
> 15 ADDRESS: CITY HALL, BOX 1168
GREAT BEND, KS 67530
> 16 PHONE NR: 620-793-4168
NDANCE SCHEDULE:
ALL 0630-1800

8 AIRPORT USE: PUBLIC
19 ARPT LAT: 38-20-39.3000N ESTIMATED
20 ARPT LONG: 098-51-33.1000W
21 ARPT ELEV: 1886.5 SURVEYED
22 ACREAGE: 1,887
> 23 RIGHT TRAFFIC: NO
> 24 NON-COMM LANDING: NO
25 NPIAS/FED AGREEMENTS: NGPRY
> 26 FAR 139 INDEX: III A S 06/1976

SERVICES

> 70 FUEL: 100LL A
> 71 AIRFRAME RPRS: MAJOR
> 72 PWR PLANT RPRS: MAJOR
> 73 BOTTLE OXYGEN:
> 74 BULK OXYGEN: LOW
75 TSNT STORAGE: HGR, TIE
76 OTHER SERVICES: AGRI, INSTR

FACILITIES

> 80 ARPT BCN: CG
> 81 ARPT LGT SKED : SEE RMK
BCN LGT SKED: SS-SR
> 82 UNICOM: 122.800
> 83 WIND INDICATOR: YES-L
84 SEGMENTED CIRCLE: YES
85 CONTROL TWR: NO
86 FSS: WICHITA
87 FSS ON ARPT: NO
88 FSS PHONE NR:
89 TOLL FREE NR: 1-800-WX-BRIEF

BASED AIRCRAFT

90 SINGLE ENG:	37
91 MULTI ENG:	9
92 JET:	2
TOTAL:	48
93 HELICOPTERS:	0
94 GLIDERS:	
95 MILITARY:	
96 ULTRA-LIGHT:	

OPERATIONS

100 AIR CARRIER:	0
102 AIR TAXI:	1,944
103 G A LOCAL:	8,760
104 G A ITNRNT:	4,512
105 MILITARY:	360
TOTAL:	15,576
OPERATIONS FOR 12 MONTHS ENDING:	10/31/2017

3. Determine if the annual number of operations for air carriers (#100), air taxis (#102), military (#105), and general aviation (#103 plus #104) exceeds the thresholds provided below.

#100 Annual air carrier operations **12,481** Is this 9,000 or more? Yes X No
#102 Annual air taxi operations **0** Is this 18,000 or more? Yes No X
#105 Annual military operations **3,318** Is this 18,000 or more? Yes No X
#103+#104 Annual general aviation operations **8,369** Is this 72,000 or more? Yes No X

4. If you answer "No" on each of the questions above, it is assumed the noise attributed to the airplanes will not extend beyond the boundaries of the airport. Maintain the documentation

in your Environmental Review Record (ERR). You are finished with the evaluation of airport noise for this airport.

If you have marked any question in #3 with "Yes," continue to 5.

5. Contact the airport manager, (see blue arrow above) and ask them if the airport has noise contour maps. Are contour maps available?

☒ Yes. Locate your project on the noise contour map. If there are no roads or railroads that are being considered for noise, utilize the information from the contour map to determine if the site is acceptable. If roads or railroads are being considered, input the information obtained from the airport noise contours, along with the road and railroad information, into HUD online noise calculation tool at http://www.hud.gov/offices/cpd/environment/dnlcalculator.cfm.

☐ No. Construct the approximate DNL contours by using the guidance on page 52 and 53 of the HUD Noise Guidebook. You will need to obtain the following information from the airport:

(a) The number of nighttime jet operations (10pm to 7 am).
(b) The number of daytime jet operations (7 am to 10 pm).
(c) The flight paths of the major runways.
(d) Any available information about expected changes in airport traffic (e.g., will the number of operations increase or decrease in the next 10 to 15 years?).

Contact your HUD Environmental Officer if you need assistance.

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

AIRPORT MASTER RECORD

PRINT DATE: 1/16/2024
AFD EFF 12/28/2023
FORM APPROVED OMB 2120-0015

> 1 ASSOC CITY:	COLUMBUS	4 STATE: OH	LOC ID: LCK	FAA SITE NR:	17786.*A
> 2 AIRPORT NAME:	RICKENBACKER INTL		5 COUNTY: FRANKLIN OH		
3 CBD TO AIRPORT (NM):	10 S	6 REGION/ADO: AGL/DET	7 SECT AERO CHT: CINCINNATI		

GENERAL

10 OWNERSHIP:	PUBLIC
> 11 OWNER:	COLUMBUS RGNL AIRPORT AUTHORITY
> 12 ADDRESS:	4600 INTERNATIONAL GTWY COLUMBUS, OH 43219-1779
> 13 PHONE NR:	614-239-4000
> 14 MANAGER:	JOSEPH NARDONE
> 15 ADDRESS:	7250 STAR CHECK DR COLUMBUS, OH 43217-1025
> 16 PHONE NR:	614-239-4000

> 17 ATTENDANCE SCHEDULE:

ALL	ALL	ALL

18 AIRPORT USE:	PUBLIC
19 ARPT LAT:	39-48-49.6370N ESTIMATED
20 ARPT LONG:	082-55-40.1390W
21 ARPT ELEV:	743.9 SURVEYED
22 ACREAGE:	4,342
> 23 RIGHT TRAFFIC:	NO
> 24 NON-COMM LANDING:	YES
25 NPIAS/FED AGREEMENTS:	NPY
> 26 FAR 139 INDEX:	I B S 01/2005

SERVICES

> 70 FUEL:	100LL A A++
> 71 AIRFRAME RPRS:	MAJOR
> 72 PWR PLANT RPRS:	MAJOR
> 73 BOTTLE OXYGEN:	
> 74 BULK OXYGEN:	
75 TSNT STORAGE:	HGR, TIE
76 OTHER SERVICES:	INSTR, RNTL

FACILITIES

> 80 ARPT BCN:	WG
> 81 ARPT LGT SKED :	
BCN LGT SKED:	SS-SR
> 82 UNICOM:	122.950
> 83 WIND INDICATOR:	YES-L
84 SEGMENTED CIRCLE:	NONE
85 CONTROL TWR:	YES
86 FSS:	DAYTON
87 FSS ON ARPT:	NO
88 FSS PHONE NR:	
89 TOLL FREE NR:	1-800-WX-BRIEF

BASED AIRCRAFT

90 SINGLE ENG:	4
91 MULTI ENG:	4
92 JET:	10
93 HELICOPTERS:	0
TOTAL:	18
94 GLIDERS:	0
95 MILITARY:	32
96 ULTRA-LIGHT:	0

OPERATIONS

100 AIR CARRIER:	12,481
102 AIR TAXI:	0
103 G A LOCAL:	0
104 G A ITNRNT:	8,369
105 MILITARY:	3,318
TOTAL:	24,168
OPERATIONS FOR 12 MONTHS ENDING:	12/31/2022

RUNWAY DATA

	05L/23R	05R/23L		
> 30 RUNWAY INDENT:	11,902	12,103		
> 31 LENGTH:	150	200		
> 32 WIDTH:	ASPH-F	ASPH-CONC-E		
> 33 SURF TYPE-COND:	GRVD	GRVD		
> 34 SURF TREATMENT:	75.0	75.0		
35 GROSS WT: S	190.0	210.0		
36 (IN THSDS) D	320.0	380.0		
37 2D	825.0	850.0		
38 2D/2D2	69 /F/B/W/T	92 /R/C/W/T		
> 39 PCN:				
LIGHTING/APCH AIDS				
> 40 EDGE INTENSITY:	HIGH	HIGH		
> 42 RWY MARK TYPE-COND:	PIR - G / PIR - G	PIR - G / PIR - G	- / -	- / -
> 43 VGSI:	P4L / P4L	P4L / P4L	/	/
44 THR COSSING HGT.:	70 / 79	69 / 78	/	/
45 VISUAL GLIDE ANGLE:	3.00 / 3.00	3.00 / 3.00	/	/
> 46 CNTRLN-TDZ:	N - N / N - N	Y - Y / Y - N	- / -	- / -
> 47 RVR-RVV:	- N / - N	T - Y / T - Y	- / -	- / -
> 48 REIL:	N / Y	/	/	/
> 49 APCH LIGHTS:	MALSR /	ALSF2 / MALSR	/	/
OBSTRUCTION DATA				
50 FAR 77 CATEGORY	PIR / D	PIR / PIR	/	/
> 51 DISPLACED THR:	898 / 989	/	/	/
> 52 CTLG OBSTN:	/	/	/	/
> 53 OBSTN MARKED/LGTD:	/	/	/	/
> 54 HGT ABOVE RWY END:	/	/	/	/
> 55 DIST FROM RWY END:	/	/	/	/
> 56 CNTRLN OFFSET:	/	/	/	/
57 OBSTN CLNC SLOPE:	50:1 / 50:1	50:1 / 50:1	/	/
58 CLOSE-IN OBSTN:	N / N	N / N	/	/
DECLARED DISTANCES				
> 60 TAKE OFF RUN AVBL (TORA):	11,902 / 11,902	12,103 / 12,103	/	/
> 61 TAKE OFF DIST AVBL (TODA):	11,902 / 11,902	12,103 / 12,103	/	/
> 62 ACLT STOP DIST AVBL (ASDA):	11,902 / 11,902	12,103 / 12,103	/	/
> 63 LNDG DIST AVBL (LDA):	11,004 / 10,913	12,103 / 12,103	/	/

(>) ARPT MGR PLEASE ADVISE FSS IN ITEM 86 WHEN CHANGES OCCUR TO ITEMS PRECEDED BY >

> 110 REMARKS

A 026	CLASS I, ARFF INDEX B. INDEX E ARFF EQUIP AVBL UPON REQUEST, CTC ARPT OPNS (614) 374-1869.
A 110-004	ARNG; CTC C-26 OPS PRIOR TO ENTERING C-26 RAMP/PARKING AREA. DSN346-6473, C6143366473.
A 110-005	BIRDS ON & INVOF ARPT.
A 110-007	CONTACT GND CTL FOR CLNC PRIOR TO PUSHBACK ONTO TWY 'A' FM CARGO RAMP 2.
A 110-008	NOISE ABATEMENT PROC IN EFCT FM 2300-0700; DEP RWY 23L & 23R WINDS 10 KNOTS OR LESS; ARR RWY 05L & 05R WINDS 10 KNOTS OR LESS; ARPT OPS 614-374-1869.
A 110-011	RSTD: ALL F/W MIL ACFT REQUIRING PARKING AND/OR SERVICE ON 121 ARW RAMP MUST HAVE PPR NR 48 HR PRIOR FR BASE OPS CALL DSN 696-4595 OR C614-492-4595.
A 110-012	RSTD; AMC ACFT OPR RSTD DUR BIRD WATCH CONDITION MODERATE (TKOF AND LDG PERMS ONLY WHEN DEP/ARR RTE AVOID IDENT BIRD ACT, NO LCL IFR/VFR TFC PAT) AND SEVERE(TKOF AND LDG PROH WO OG/CC APVL). CTC COMD POST FOR CURRENT BIRD WATCH COND CODE.
A 110-013	ANG; 121 ARW KC-135 R COMD POST DSN696-4468. LTD TRAN SVC AVBL , WKD 1200-2000++ EXE HOL. LTD TRAN FUEL/PRK, TRAN AIRCREW MUST ASSIST/PERFORM REFUEL OPR. FUEL AVBL ON ANG RAMP ON PRIOR REQ ONLY. ACFT SUPPORT NOT COORD BY PPR 48 HR PRIOR WITH 121 ARW MAY NOT BE AVBL.
A 110-014	ARNG; OPR 1200-2100Z++ WKD EXC HOL. NO TRAN SVC AFTER 1900Z++, DSN346-6411,C614-336-6411.
A 110-015	REMARK; SEE FLIP AP/1 SUPPLEMENTARY ARPT RMK.

111 INSPECTOR: (F) 112 LAST INSP: 07/12/2023 113 LAST INFO REQ:

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

AIRPORT MASTER RECORD

PRINT DATE: 1/16/2024
AFD EFF 12/28/2023
FORM APPROVED OMB 2120-0015

> 1 ASSOC CITY: ***CONTINUED*** | 4 STATE: OH | LOC ID: LCK | FAA SITE NR: 17786.*A
> 2 AIRPORT NAME: | 5 COUNTY:
3 CBD TO AIRPORT (NM): | 6 REGION/ADO: AGL/DET | 7 SECT AERO CHT:

GENERAL

10 OWNERSHIP:
> 11 OWNER:
> 12 ADDRESS:

> 13 PHONE NR:
> 14 MANAGER:
> 15 ADDRESS:

> 16 PHONE NR:
> 17 ATTENDANCE SCHEDULE:

18 AIRPORT USE:
19 ARPT LAT:
20 ARPT LONG:
21 ARPT ELEV:
22 ACREAGE:
> 23 RIGHT TRAFFIC:
> 24 NON-COMM LANDING:

25 NPIAS/FED AGREEMENTS:
> 26 FAR 139 INDEX:

SERVICES

> 70 FUEL:

> 71 AIRFRAME RPRS:
> 72 PWR PLANT RPRS:
> 73 BOTTLE OXYGEN:
> 74 BULK OXYGEN:
75 TSNT STORAGE:
76 OTHER SERVICES:

FACILITIES

> 80 ARPT BCN:
> 81 ARPT LGT SKED :
BCN LGT SKED:
> 82 UNICOM:
> 83 WIND INDICATOR:
84 SEGMENTED CIRCLE:
85 CONTROL TWR:
86 FSS:
87 FSS ON ARPT:

88 FSS PHONE NR:
89 TOLL FREE NR:

BASED AIRCRAFT

90 SINGLE ENG:
91 MULTI ENG:
92 JET:
93 HELICOPTERS:
TOTAL:

94 GLIDERS:
95 MILITARY:
96 ULTRA-LIGHT:

OPERATIONS

100 AIR CARRIER:
102 AIR TAXI:
103 G A LOCAL:
104 G A ITNRNT:
105 MILITARY:
TOTAL:

OPERATIONS FOR
12 MONTHS
ENDING:

RUNWAY DATA

> 30 RUNWAY INDENT: | | | | |
> 31 LENGTH: | | | | |
> 32 WIDTH: | | | | |
> 33 SURF TYPE-COND: | | | | |
> 34 SURF TREATMENT: | | | | |
35 GROSS WT: | S | | | |
36 (IN THSDS) | D | | | |
37 | 2D | | | |
38 | 2D/2D2 | | | |
> 39 PCN: | | | | |

LIGHTING/APCH AIDS

> 40 EDGE INTENSITY: | | | | |
> 42 RWY MARK TYPE-COND: | - / - | - / - | - / - | - / - |
> 43 VGSI: | / | / | / | / |
44 THR COSSING HGT.: | / | / | / | / |
45 VISUAL GLIDE ANGLE: | / | / | / | / |
> 46 CNTRLN-TDZ: | - / - | - / - | - / - | - / - |
> 47 RVR-RVV: | - / - | - / - | - / - | - / - |
> 48 REIL: | / | / | / | / |
> 49 APCH LIGHTS: | / | / | / | / |

OBSTRUCTION DATA

50 FAR 77 CATEGORY | / | / | / | / |
> 51 DISPLACED THR: | / | / | / | / |
> 52 CTLG OBSTN: | / | / | / | / |
> 53 OBSTN MARKED/LGTD: | / | / | / | / |
> 54 HGT ABOVE RWY END: | / | / | / | / |
> 55 DIST FROM RWY END: | / | / | / | / |
> 56 CNTRLN OFFSET: | / | / | / | / |
57 OBSTN CLNC SLOPE: | / | / | / | / |
58 CLOSE-IN OBSTN: | / | / | / | / |

DECLARED DISTANCES

> 60 TAKE OFF RUN AVBL (TORA): | / | / | / | / |
> 61 TAKE OFF DIST AVBL (TODA): | / | / | / | / |
> 62 ACLT STOP DIST AVBL (ASDA): | / | / | / | / |
> 63 LNDG DIST AVBL (LDA): | / | / | / | / |

(>) ARPT MGR PLEASE ADVISE FSS IN ITEM 86 WHEN CHANGES OCCUR TO ITEMS PRECEDED BY >

> 110 REMARKS

A 110-016 LGT; BDRY LGT AVBL.
A 110-017 JASU: 6(A/M32A-86) 9(B809) 4(AM32-95).
A 110-018 FLUID: SP PRESAIR LHOX.
A 110-019 OIL; O-128.
A 110-020 TRAN ALERT: LTD SVC AVBL BUT NO PPR RQR. NO ANG TRAN SVC OFF ANG RAMP.

111 INSPECTOR: (F) | 112 LAST INSP: 07/12/2023 | 113 LAST INFO REQ:

CHAPTER THREE
BASELINE NOISE EXPOSURE

3.1 OVERVIEW

The land uses in the vicinity of Rickenbacker International Airport (LCK) may be generally described as compatible with the aircraft noise present there. Under the Federal guidance that indicates significant impact by aircraft noise on incompatible land uses within the 65 Day-Night Average Sound Level (DNL) contour (see Appendix A, *FAA Policies, Guidance, and Regulations*), portions of the Village of Groveport and portions of Harrison Township southwest of the airport, are significantly affected. It is within these areas that this Part 150 study is primarily focused.

As may be discerned from the description of noise complaint locations and the noise measurement program provided in Appendix B, *Field Noise Measurements and Noise Complaints,* residents of areas exposed to noise less than 65 DNL are concerned about the noise in their neighborhoods. No homes are located in the 65 DNL and greater noise contours. While FAA guidance does not consider the areas exposed to less than 65 DNL to be significantly impacted for Part 150 purposes, they are exposed to over flights by aircraft that produce single-event noise levels, which some residents may find offensive. Where Part 150 recommendations can benefit both the areas within and beyond the 65 DNL contour, every effort is made to do so.

Appendix C, *Noise Modeling Methodology*, presents the information necessary to compute the noise exposure patterns in the vicinity of the airport with the Integrated Noise Model (INM), Version 6.1. This information details the operating characteristics in use at the airport, the number of operations, and the use of flight paths to and from the airport both now and as they are expected to be in 2011. Variations from the average noise levels may be in part attributed to unidentified ambient noise sources not related to aircraft flight operations.

This chapter provides information about the current and potential noise levels in 2011 if no action is taken to change the noise exposure pattern through abatement. The noise patterns are presented on exhibits and the numbers of persons and housing units that fall within them are quantified.

3.2 EXISTING (2006) BASELINE NOISE CONTOUR

The number of operations, runway use, flight track, and trip length data presented in Appendix C*, Noise Modeling Methodology*, are used as input to the INM computer model for calculation of noise exposure in the airport environs. **Exhibit 3-1, *Existing (2006) Noise Contour*** reflects the average annual noise exposure pattern present at the airport during the current baseline period and **Table 3-1** summarizes the area within each noise contour level.

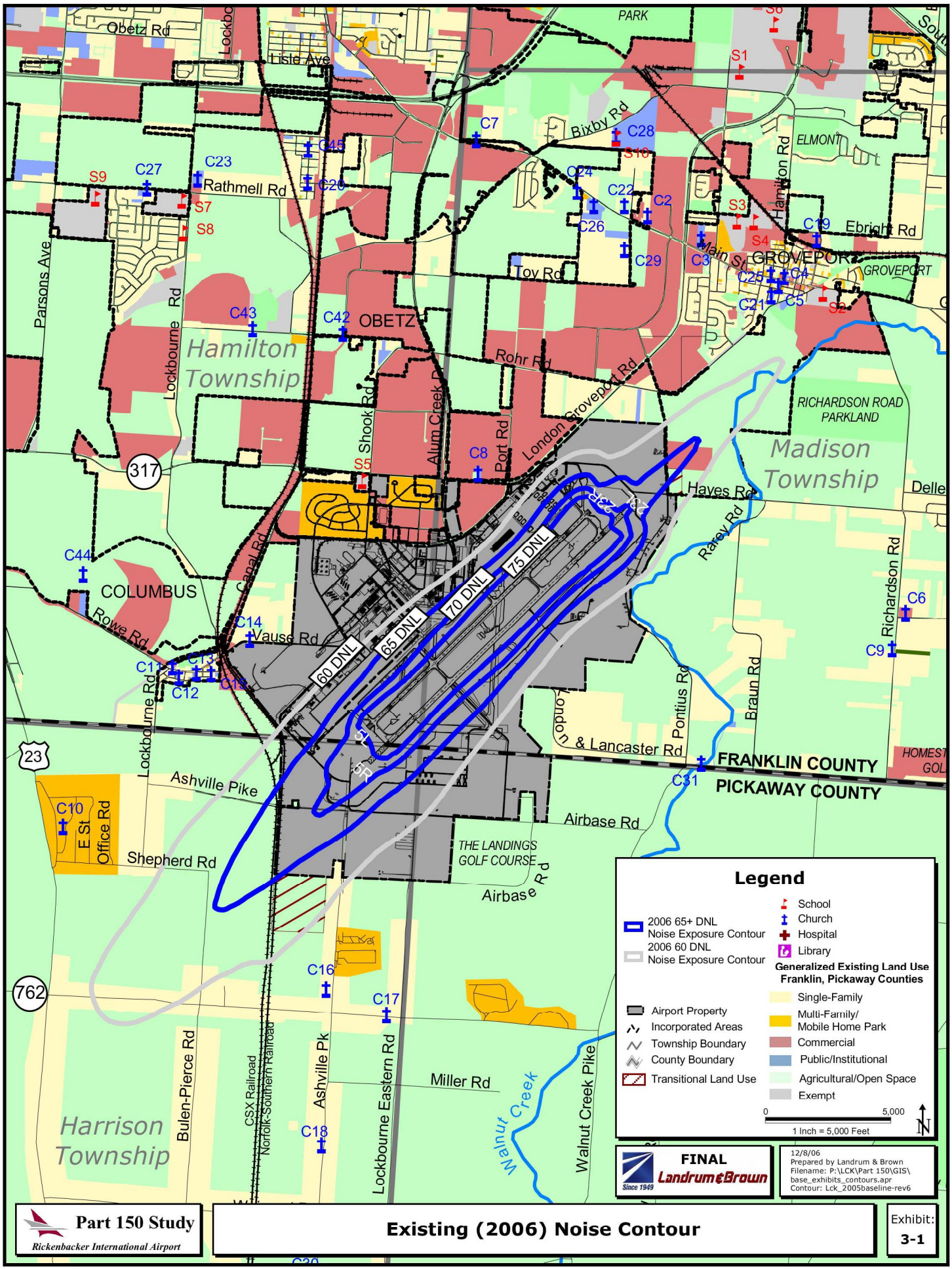

Obetz Rd
Lockbourne
Lisle Ave
PARK
S1
S6
South
C7
Bixby Rd
C28
S10
ELMONT
Hamilton Rd
C45
C23
Rathmell Rd
C20
C27
S9
S7
S8
C24
C22
C2
C26
S3
C19
Ebright Rd
S4
Main St
GROVEPORT
GROVEPORT
C3
C29
Toy Rd
C25
C4
C21
C5
S2
Parsons Ave
Lockbourne Rd
C43
C42
OBETZ
Hamilton Township
Rohr Rd
Shook Rd
Alum Creek Dr
Port Rd
London Grovepot Rd
RICHARDSON ROAD PARKLAND
Madison Township
C8
S5
317
Hayes Rd
Delle
Raley Rd
Richardson Rd
C6
C9
C44
COLUMBUS
Canal Rd
Rowe Rd
C14
Vause Rd
C11
C13
C15
C12
60 DNL
65 DNL
70 DNL
75 DNL
Lockbourne Rd
Braun Rd
Pontius Rd
London
& Lancaster Rd
FRANKLIN COUNTY
PICKAWAY COUNTY
C31
HOMEST
GOL
23
Ashville Pike
C10
E St
Office Rd
Shepherd Rd
Airbase Rd
THE LANDINGS GOLF COURSE
Airbase Rd
C16
C17
762
Bulen-Pierce Rd
CSX Railroad
Norfolk-Southern Railroad
Ashville Pk
Lockbourne Eastern Rd
Miller Rd
Walnut Creek
Walnut Creek Pike
C18
Harrison Township
Legend
2006 65+ DNL Noise Exposure Contour
2006 60 DNL Noise Exposure Contour
Airport Property
Incorporated Areas
Township Boundary
County Boundary
Transitional Land Use
School
Church
Hospital
Library
Generalized Existing Land Use Franklin, Pickaway Counties
Single-Family
Multi-Family/ Mobile Home Park
Commercial
Public/Institutional
Agricultural/Open Space
Exempt
0
5,000
1 Inch = 5,000 Feet
N
FINAL
Landrum & Brown
Since 1949
12/8/06
Prepared by Landrum & Brown
Filename: P:\LCK\Part 150\GIS\base_exhibits_contours.apr
Contour: Lck_2005baseline-rev6
Part 150 Study
Rickenbacker International Airport
Existing (2006) Noise Contour
Exhibit:
3-1

Table 3-1
AREAS WITHIN EXISTING NOISE EXPOSURE CONTOUR (IN SQUARE MILES)
Rickenbacker International Airport

CONTOUR RANGE	EXISTING (2006) BASELINE
60-65 DNL	3.39
65-70 DNL	1.43
70-75 DNL	0.55
75 + DNL	0.92
65 + DNL	2.90

Contour: LCK_2005Baseline-rev6

Source: Landrum & Brown, 2006.

The noise contour does not represent the noise levels present on any specific day, but, rather, represents the energy-average of all 365 days of operation during the year. The noise contour pattern extends from the airport along each extended runway centerline, reflective of the flight tracks used by all aircraft. The relative distance of the contour from the airport along each route is a function of the frequency of use of each runway end for total arrivals and departures, as well as its use at night, and the type of aircraft assigned to it.

The shape of the noise contour is primarily a function of the combination of flight tracks and runway use at LCK. Currently the airport operates 65 percent of the time in south flow (Runways 23L/23R) and 35 percent of the time in north flow (Runways 05L/05R). Between 11:00 p.m. and 7:00 a.m., the airport operates in contra-flow. The contra-flow procedures call for aircraft to arrive from the south on Runways 5R and 5L and depart to the south on Runways 23L and 23R. As a result the noise contour is longer and wider to the southwest of the airport than to the northeast.

Southwest of the airport, the noise contour primarily reflects usage by aircraft departing to the south and to a lesser degree arriving from the south. The 65 DNL noise contour extends approximately 1.5 miles beyond the south end of Runway 23L/05R and Runway 23R/05L, encompassing agricultural land uses located in Harrison Township. Although the FAA defines the 65 DNL as the compatibility line, the 60 DNL is shown because it indicates marginal noise impacts. The 60 DNL noise contour extends approximately 2.5 miles beyond the south end of Runway 23L/05R and Runway 23R/05L, encompassing agricultural and residential land uses located in Harrison Township. The 70 and 75 DNL noise contours remain over airport property.

To the northeast of the airport, the noise contour primarily reflects usage by aircraft arriving from the northeast and to a lesser degree aircraft departing to the northeast. The 65 DNL noise contour extends approximately 0.8 miles beyond the north end of Runway 23L/05R and Runway 23R/05L, encompassing agricultural

land uses in the Village of Groveport. The 60 DNL noise contour extends approximately 1.5 miles beyond the north end of Runway 23L/05R and Runway 23R/05L, encompassing agricultural & industrial land uses located in the Village of Groveport. The 70 and 75 DNL contours remain over airport property.

3.3 FUTURE (2011) BASELINE NOISE CONTOUR

The baseline noise exposure contour projected for 2011 is presented in **Exhibit 3-2, *Future (2011) Baseline Noise Contour.*** This projected contour assumes growth as forecasted in the *Aviation Activity Forecast for Rickenbacker International Airport* (See Appendix J). This forecast was approved by the FAA October 2, 2006. The future 2011 contour is larger than the existing 2006 noise contour, owing to an increase in the number of operations. **Table 3-2** provides a comparison of the areas within the Existing (2006) and Future (2011) Baseline noise exposure patterns.

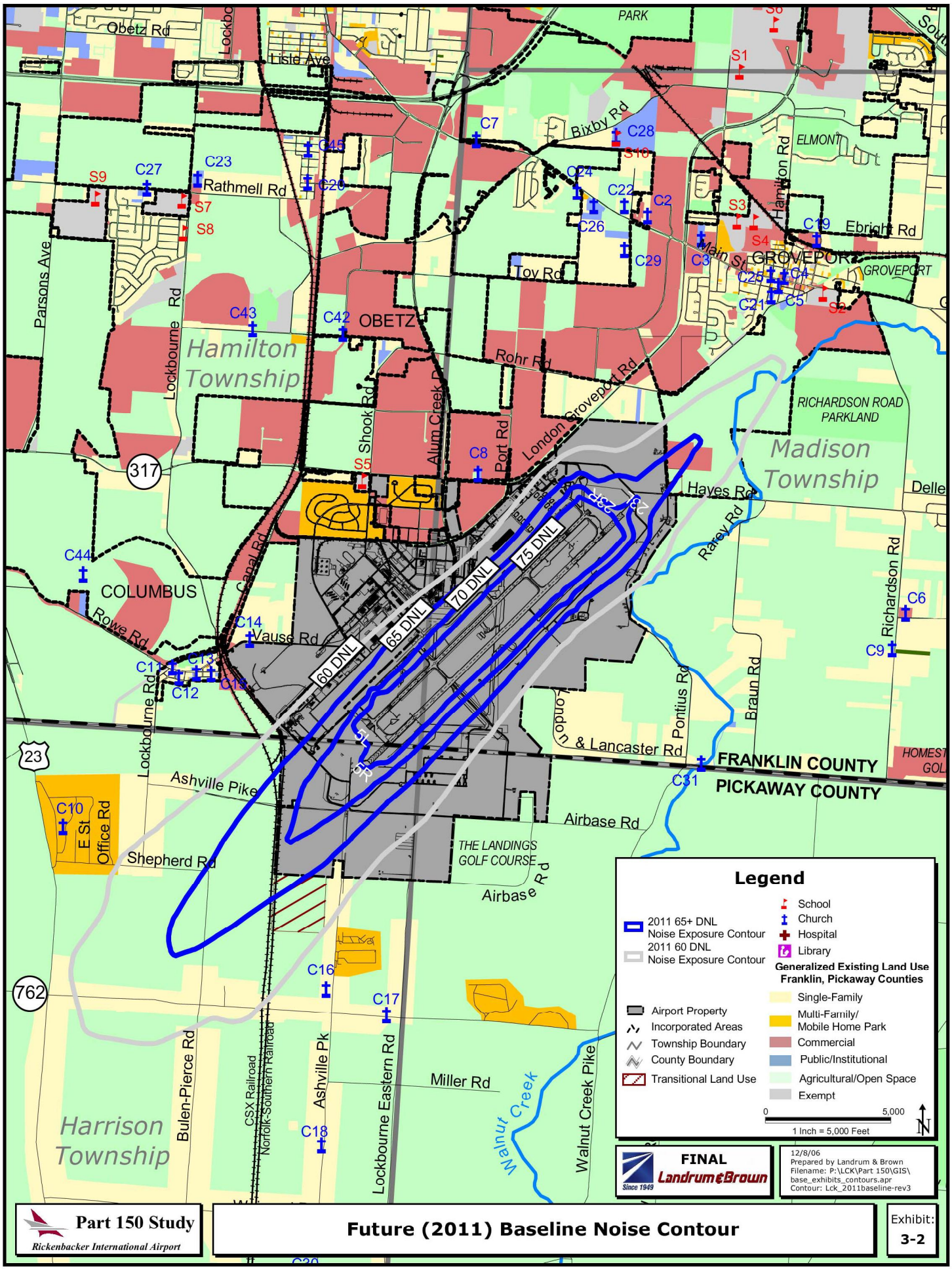
Table 3-2
COMPARISON OF AREAS WITHIN FUTURE (2011) AND EXISTING (2006) NOISE EXPOSURE CONTOUR (IN SQUARE MILES)
Rickenbacker International Airport

CONTOUR RANGE	FUTURE (2011) BASELINE	EXISTING (2006) BASELINE	DIFFERENCE
60-65 DNL	4.03	3.39	0.64
65-70 DNL	1.78	1.43	0.35
70-75 DNL	0.67	0.55	0.12
75 + DNL	1.01	0.92	0.09
65 + DNL	3.46	2.90	0.56

Contour: LCK_2005Baseline-rev6/LCK_2011Baseline-rev3

Source: Landrum & Brown, 2006.

The Future (2011) noise contour is larger in size than the Existing (2006) noise contour. To the north, the 65 DNL and 60 DNL noise contours extend approximately the same distance beyond the end of runways as the existing contours, although the width of the contour increases along the east side of the 60 DNL noise contour. This increase in width is due to the increase in forecasted operations for the year 2011. To the south, the 65 DNL and 60 DNL contours increase uniformly, as compared to the Existing (2006) contours. The growth in the 2011 noise contour is due to the forecasted two percent growth in operations by 2011.


Obetz Rd
Lockbo
Lisle Ave
PARK
S1
Bixby Rd
C7
C28
S10
ELMONT
Hamilton Rd
C45
C23
Rathmell Rd
C20
S9
C27
S7
S8
C24
C22
C2
C26
S3
C19
Ebright Rd
S4
Main St
GROVEPORT
GROVEPORT
C3
C25
C4
C5
C21
S2
Toy Rd
C29
Parsons Ave
Lockbourne Rd
C43
C42
OBETZ
Hamilton Township
Rohr Rd
Shook Rd
Alum Creek
Port Rd
London Groveport Rd
RICHARDSON ROAD PARKLAND
Madison Township
317
S5
C8
Hayes Rd
Delle
Raley Rd
Richardson Rd
C6
C9
C44
COLUMBUS
Canal Rd
Rowe Rd
C14
Vause Rd
C11
C13
C15
C12
60 DNL
65 DNL
70 DNL
75 DNL
Lockbourne Rd
Braun Rd
Pontius Rd
London
& Lancaster Rd
FRANKLIN COUNTY
PICKAWAY COUNTY
C31
HOMEST
GOL
23
Ashville Pike
C10
E St
Office Rd
Shepherd Rd
Airbase Rd
THE LANDINGS GOLF COURSE
Airbase Rd
C16
C17
762
Bulen-Pierce Rd
CSX Railroad
Norfolk-Southern Railroad
Ashville Pk
Lockbourne Eastern Rd
Miller Rd
Walnut Creek
Walnut Creek Pike
C18
Harrison Township
Legend
2011 65+ DNL Noise Exposure Contour
2011 60 DNL Noise Exposure Contour
Airport Property
Incorporated Areas
Township Boundary
County Boundary
Transitional Land Use
School
Church
Hospital
Library
Generalized Existing Land Use Franklin, Pickaway Counties
Single-Family
Multi-Family/ Mobile Home Park
Commercial
Public/Institutional
Agricultural/Open Space
Exempt
0
5,000
1 Inch = 5,000 Feet
N
FINAL
Since 1949
Landrum & Brown
12/8/06
Prepared by Landrum & Brown
Filename: P:\LCK\Part 150\GIS\base_exhibits_contours.apr
Contour: Lck_2011baseline-rev3
Part 150 Study
Rickenbacker International Airport
Future (2011) Baseline Noise Contour
Exhibit:
3-2

3.4 BASELINE NOISE CONTOUR INCOMPATIBILITIES

Identifying and evaluating all land uses within the airport environs is necessary to quantify residential and other noise-sensitive land uses impacted by aircraft noise. Chapter Two, *Affected Environment*, and Appendix D, *Land Use Assessment Methodology*, summarize the land use data collection process. The FAA has created land use compatibility guidelines relating types of land use to airport sound levels. These guidelines are defined in 14 CFR Part 150, *Land Use Compatibility with Yearly Day-Night average Sound Levels*. The compatibility table is reproduced in Appendix A, *FAA Policies, Guidance, and Regulations*, of this document (see Table A-1).

These guidelines show the compatibility parameters for residential, public (schools, churches, nursing homes, hospitals, libraries), commercial, manufacturing and production, and recreational land uses. All land uses exposed to noise levels below the 65 DNL noise contour are generally considered compatible with airport operations.

Summaries of the residential population, housing units, and noise-sensitive facilities affected by noise levels exceeding 60 DNL for the Existing (2006) and Future (2011) Baseline noise contours are provided in **Table 3-3** and **Table 3-4**. A comparison of the Existing (2006) and Future (2011) is provided in **Table 3-5**.

No homes or noise-sensitive facilities (schools, churches, libraries, hospitals, nursing homes) are located in the 65 DNL of the Existing (2006) noise contour. There are 11 housing units and 30 residents in the 60 DNL of the Existing (2006) noise contour. In 2011, no homes or noise-sensitive facilities will be located in the 65 DNL noise contour. There will be 38 housing units and 104 residents in the 60 DNL of the Future (2011) noise contour. All of the homes within the 60 DNL of both the Existing and Future noise contour are located in Harrison Township in Pickaway County.

Table 3-3
EXISTING (2006) BASELINE HOUSING, POPULATION, AND NOISE-SENSITIVE FACILITY INCOMPATIBILITIES
Rickenbacker International Airport

CATEGORY	60-65 DNL*	65-70 DNL	70-75 DNL	75+ DNL	65+ DNL
Housing Units	11	0	0	0	0
Population	30	0	0	0	0
Noise Sensitive Facilities					
Schools	0	0	0	0	0
Churches	0	0	0	0	0
Nursing Homes	0	0	0	0	0
Area					
Square Miles	3.39	1.43	0.55	0.92	2.90
Acres	2,170	915	352	589	1,856

Notes:

* FAA Part 150 Land Use Compatibility Guidelines indicate that residential land uses are compatible with noise levels below 65 DNL.

- Noise contours were generated using the Integrated FAA's Noise Model, Version 6.1 computer model.
- Housing counts are based on field verification.
- Population numbers are approximate based on the housing counts multiplied by the 2000 census block housing to population ratio.
- Baseline conditions assume the continuation of the existing operating procedures without modification.
- Noise-Sensitive Public Uses include schools, churches, libraries, hospitals, and nursing homes.

Source: Landrum & Brown, 2006.

Table 3-4
FUTURE (2011) BASELINE HOUSING, POPULATION, AND NOISE-SENSITIVE FACILITY INCOMPATIBILITIES
Rickenbacker International Airport

CATEGORY	60-65 DNL*	65-70 DNL	70-75 DNL	75+ DNL	65+ DNL
Housing Units	38	0	0	0	0
Population	104	0	0	0	0
Noise Sensitive Facilities					
Schools	0	0	0	0	0
Churches	0	0	0	0	0
Nursing Homes	0	0	0	0	0
Area					
Square Miles	4.03	1.78	0.67	1.01	3.46
Acres	2,579	1,139	429	646	2,214

Notes:

* FAA Part 150 Land Use Compatibility Guidelines indicate that residential land uses are compatible with noise levels below 65 DNL.

- Noise contours were generated using the Integrated FAA's Noise Model, Version 6.1 computer model.
- Housing counts are based on field verification.
- Population numbers are approximate based on the housing counts multiplied by the 2000 census block housing to population ratio.
- Baseline conditions assume the continuation of the existing operating procedures without modification.
- Noise-Sensitive Public Uses include schools, churches, libraries, hospitals, and nursing homes.

Source: Landrum & Brown, 2006

Table 3-5
EXISTING (2006) BASELINE VERSUS FUTURE (2011) BASELINE HOUSING, POPULATION, AND NOISE-SENSITIVE FACILITY INCOMPATIBILITIES
Rickenbacker International Airport

CATEGORY	EXISTING (2006) BASELINE	FUTURE (2011) BASELINE
Housing Units		
60-65 DNL*	11	38
65-70 DNL	0	0
70-75 DNL	0	0
75+ DNL	0	0
65+ DNL	0	0
Population		
60-65 DNL*	30	104
65-70 DNL	0	0
70-75 DNL	0	0
75+ DNL	0	0
65+ DNL	0	0
Noise Sensitive Facilities (Schools, Churches, and Nursing Homes)		
60-65 DNL*	0	0
65-70 DNL	0	0
70-75 DNL	0	0
75+ DNL	0	0
65+ DNL	0	0
Area		
Square Miles		
60-65 DNL*	3.39	4.03
65-70 DNL	1.43	1.78
70-75 DNL	0.55	0.67
75+ DNL	0.92	1.01
65+ DNL	2.90	3.46
Acres		
60-65 DNL*	2,170	2,579
65-70 DNL	915	1,139
70-75 DNL	352	429
75+ DNL	589	646
65+ DNL	1,856	2,214

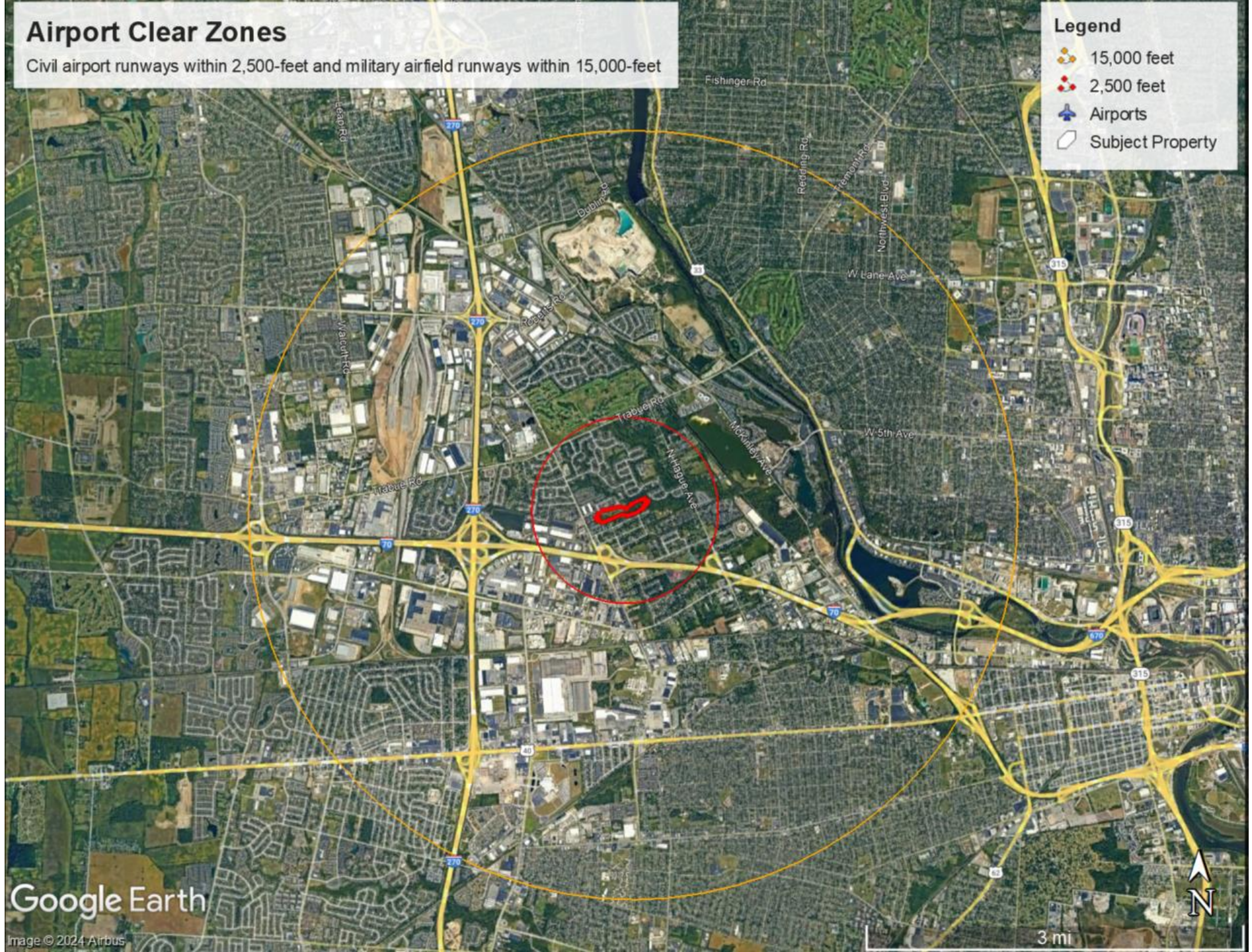
Table 3-5, *Continued*
EXISTING (2006) BASELINE VERSUS FUTURE (2011) BASELINE HOUSING, POPULATION, AND NOISE-SENSITIVE FACILITY INCOMPATIBILITIES
Rickenbacker International Airport

Notes:

* FAA Part 150 Land Use Compatibility Guidelines indicate that residential land uses are compatible with noise levels below 65 DNL.

- Noise contours were generated using the Integrated FAA's Noise Model, Version 6.1 computer model.
- Housing counts are based on field verification.
- Population numbers are approximate based on the housing counts multiplied by the 2000 census block housing to population ratio.
- Baseline conditions assume the continuation of the existing operating procedures without modification.
- Noise-Sensitive Public Uses include schools, churches, libraries, hospitals, and nursing homes.

Source: Landrum & Brown, 2006


Airport Clear Zones
Civil airport runways within 2,500-feet and military airfield runways within 15,000-feet
Legend
15,000 feet
2,500 feet
Airports
Subject Property
Fishinger Rd
Leap Rd
Dublin Rd
Redding Rd
Tremont Rd
Northwest Blvd
W Lane Ave
Walcutt Rd
Rogers Rd
Trabue Rd
McKinley Ave
N Hague Ave
W 5th Ave
270
33
315
70
670
40
63
Google Earth
Image © 2024 Airbus
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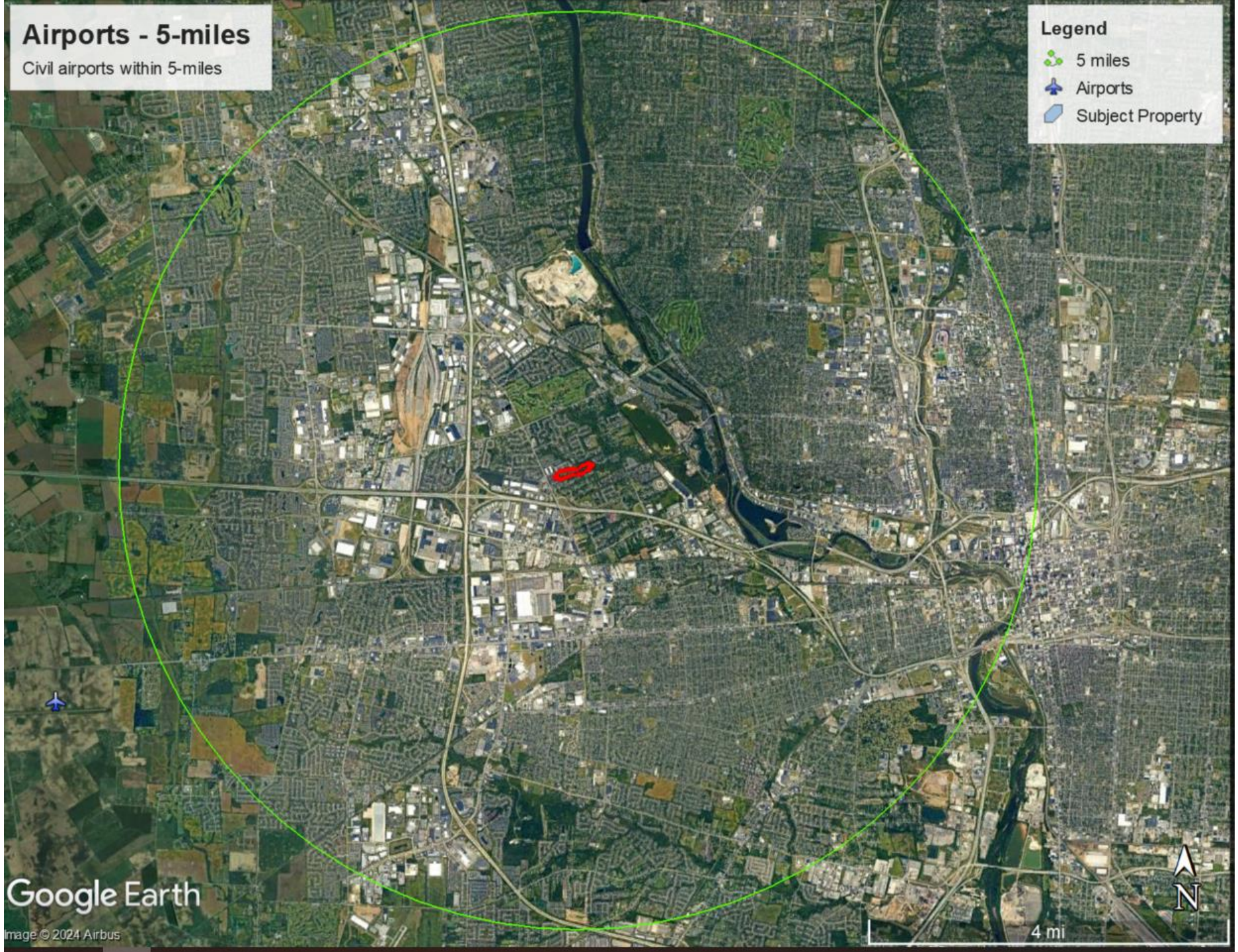
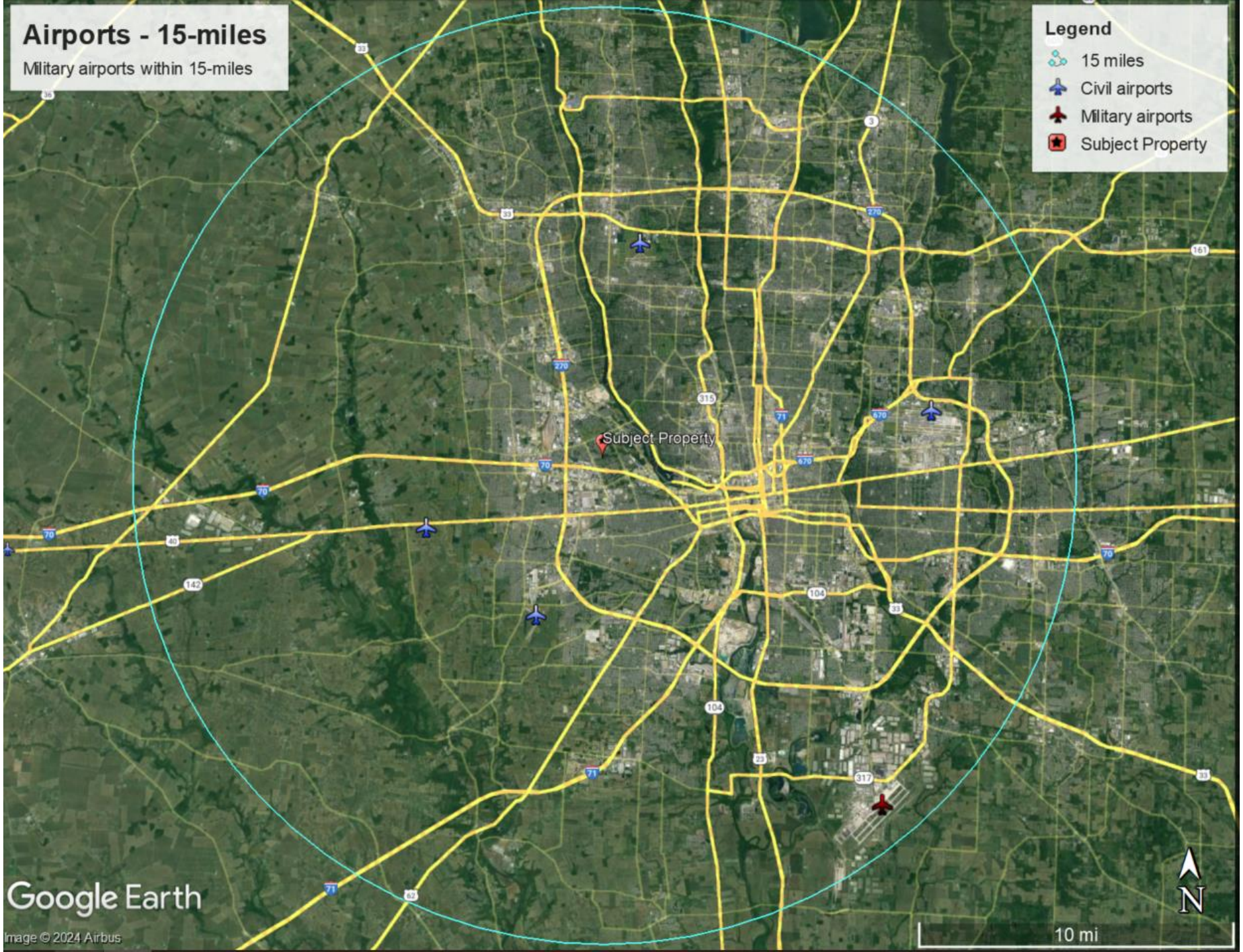
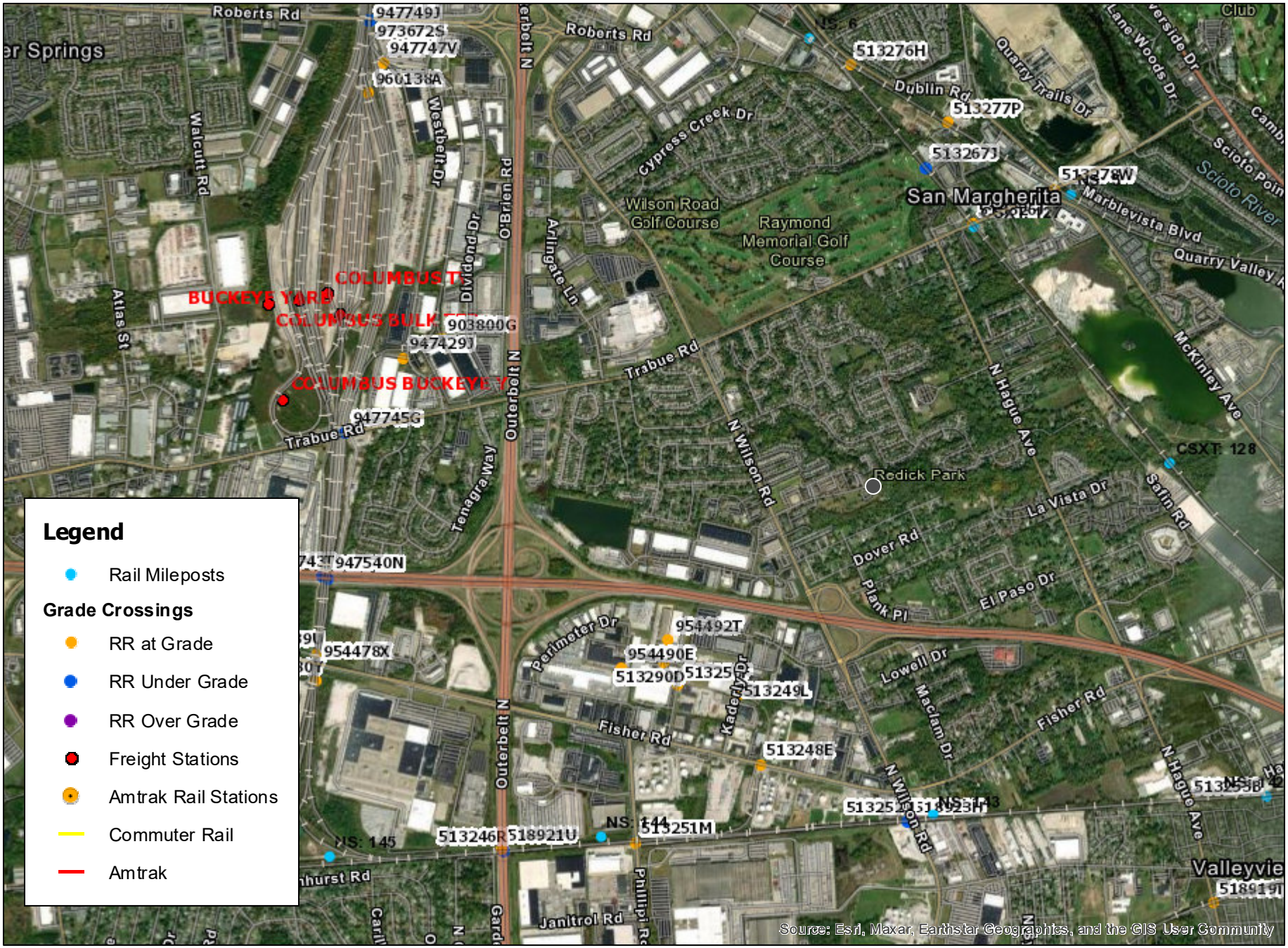

Airports - 5-miles
Civil airports within 5-miles
Legend
5 miles
Airports
Subject Property
Google Earth
Image © 2024 Airbus
4 mi
N


Airports - 15-miles
Military airports within 15-miles
Legend
15 miles
Civil airports
Military airports
Subject Property
Subject Property
Google Earth
Image © 2024 Airbus
N
10 mi

FRA Map


Legend
Rail Mileposts
Grade Crossings
RR at Grade
RR Under Grade
RR Over Grade
Freight Stations
Amtrak Rail Stations
Commuter Rail
Amtrak
Roberts Rd
Springs
Walcutt Rd
Westbelt Dr
O'Brien Rd
Outerbelt N
Arlingate Ln
Dividend Dr
Atlas St
Tenagra Way
Trabue Rd
Wilson Road Golf Course
Raymond Memorial Golf Course
Cypress Creek Dr
Dublin Rd
Quarry Trails Dr
Lane Woods Dr
Scioto River
San Margherita
Marblevista Blvd
Quarry Valley
McKinley Ave
N Hague Ave
N Wilson Rd
Redick Park
La Vista Dr
Sarin Rd
Dover Rd
Plank Pl
El Paso Dr
Perimeter Dr
Lowell Dr
Maclam Dr
Fisher Rd
Kaderly Dr
Janitrol Rd
Phillipi Rd
Valleyvie
COLUMBUS T
BUCKEYE YARD
COLUMBUS BULK
COLUMBUS BUCKEYE
903800G
947429J
947745G
947540N
954478X
954492T
954490E
513290D
513249L
513248E
513276H
513277P
513267J
513251M
513246R
518921U
NS: 144
NS: 145
CSXT: 128
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

U. S. DOT CROSSING INVENTORY FORM

DEPARTMENT OF TRANSPORTATION
FEDERAL RAILROAD ADMINISTRATION

OMB No. 2130-0017

Instructions for the initial reporting of the following types of new or previously unreported crossings: For public highway-rail grade crossings, complete the entire inventory Form. For private highway-rail grade crossings, complete the Header, Parts I and II, and the Submission Information section. For public pathway grade crossings (including pedestrian station grade crossings), complete the Header, Parts I and II, and the Submission Information section. For Private pathway grade crossings, complete the Header, Parts I and II, and the Submission Information section. For grade-separated highway-rail or pathway crossings (including pedestrian station crossings), complete the Header, Part I, and the Submission Information section. For changes to existing data, complete the Header, Part I Items 1-3, and the Submission Information section, in addition to the updated data fields. Note: For private crossings only, Part I Item 20 and Part III Item 2.K. are required unless otherwise noted. An asterisk * denotes an optional field.

A. Revision Date *(MM/DD/YYYY)*	B. Reporting Agency	C. Reason for Update *(Select only one)*	D. DOT Crossing Inventory Number
11 / 08 / 2023	☒ Railroad ☐ Transit ☐ State ☐ Other	☒ Change in Data ☐ New Crossing ☐ Closed ☐ No Train Traffic ☐ Quiet Zone Update ☐ Re-Open ☐ Date Change Only ☐ Change in Primary Operating RR ☐ Admin. Correction	954492T

Part I: Location and Classification Information

1. Primary Operating Railroad	2. State	3. County
Norfolk Southern Railway Company [NS]	OHIO	FRANKLIN

4. City / Municipality	5. Street/Road Name & Block Number	6. Highway Type & No.
☒ In ☐ Near COLUMBUS	PVT IND XING *(Street/Road Name)* | * *(Block Number)*	PVT

7. Do Other Railroads Operate a Separate Track at Crossing?	8. Do Other Railroads Operate Over Your Track at Crossing?
☐ Yes ☒ No If Yes, Specify RR	☐ Yes ☒ No If Yes, Specify RR

9. Railroad Division or Region	10. Railroad Subdivision or District	11. Branch or Line Name	12. RR Milepost
☐ None BLUE RIDGE	☐ None DAYTON	☐ None FISHER RD LEAD	CJ | 0143.820 | *(prefix) | (nnnn.nnn) | (suffix)*

13. Line Segment *	14. Nearest RR Timetable Station *	15. Parent RR *(if applicable)*	16. Crossing Owner *(if applicable)*
		☒ N/A	☒ N/A

17. Crossing Type	18. Crossing Purpose	19. Crossing Position	20. Public Access *(if Private Crossing)*	21. Type of Train	22. Average Passenger Train Count Per Day
☐ Public ☒ Private	☒ Highway ☐ Pathway, Ped. ☐ Station, Ped.	☒ At Grade ☐ RR Under ☐ RR Over	☐ Yes ☒ No	☒ Freight ☐ Intercity Passenger ☐ Commuter ☐ Transit ☐ Shared Use Transit ☐ Tourist/Other	☐ Less Than One Per Day ☐ Number Per Day 0

23. Type of Land Use
☐ Open Space ☐ Farm ☐ Residential ☐ Commercial ☒ Industrial ☐ Institutional ☐ Recreational ☐ RR Yard

24. Is there an Adjacent Crossing with a Separate Number?	25. Quiet Zone *(FRA provided)*
☐ Yes ☒ No If Yes, Provide Crossing Number	☐ No ☐ 24 Hr ☐ Partial ☐ Chicago Excused Date Established

26. HSR Corridor ID	27. Latitude in decimal degrees	28. Longitude in decimal degrees	29. Lat/Long Source
☒ N/A	*(WGS84 std: nn.nnnnnnn)* 39.97375	*(WGS84 std: -nnn.nnnnnnn)* -83.109247	☒ Actual ☐ Estimated

30.A. Railroad Use *	31.A. State Use *
30.B. Railroad Use *	31.B. State Use *
30.C. Railroad Use *	31.C. State Use *
30.D. Railroad Use *	31.D. State Use *
32.A. Narrative *(Railroad Use)* *	32.B. Narrative *(State Use)* *

33. Emergency Notification Telephone No. *(posted)*	34. Railroad Contact *(Telephone No.)*	35. State Contact *(Telephone No.)*
800-946-4744	800-946-4744	614-466-0407

Part II: Railroad Information

1. Estimated Number of Daily Train Movements

1.A. Total Day Thru Trains *(6 AM to 6 PM)*	1.B. Total Night Thru Trains *(6 PM to 6 AM)*	1.C. Total Switching Trains	1.D. Total Transit Trains	1.E. Check if Less Than One Movement Per Day
0	0	0	0	☒ How many trains per week? 2

2. Year of Train Count Data *(YYYY)*	3. Speed of Train at Crossing
2017	3.A. Maximum Timetable Speed *(mph)* 10 3.B. Typical Speed Range Over Crossing *(mph)* From 5 to 10

4. Type and Count of Tracks

Main 0 Siding 0 Yard 0 Transit 0 Industry 2

5. Train Detection *(Main Track only)*
☐ Constant Warning Time ☐ Motion Detection ☐AFO ☐ PTC ☐ DC ☐ Other ☒ None

6. Is Track Signaled?	7.A. Event Recorder	7.B. Remote Health Monitoring
☐ Yes ☒ No	☐ Yes ☒ No	☐ Yes ☒ No

U. S. DOT CROSSING INVENTORY FORM

A. Revision Date *(MM/DD/YYYY)*	PAGE 2	D. Crossing Inventory Number *(7 char.)*
11/08/2023		954492T

Part III: Highway or Pathway Traffic Control Device Information

1. Are there Signs or Signals? ☐ Yes ☒ No

2. Types of Passive Traffic Control Devices associated with the Crossing

2.A. Crossbuck Assemblies *(count)*

2.B. STOP Signs *(R1-1)* *(count)*

2.C. YIELD Signs *(R1-2)* *(count)*

2.D. Advance Warning Signs *(Check all that apply; include count)* ☒ None
☐ W10-1 _____ ☐ W10-3 _____ ☐ W10-11 _____
☐ W10-2 _____ ☐ W10-4 _____ ☐ W10-12 _____

2.E. Low Ground Clearance Sign *(W10-5)*
☐ Yes *(count_____)*
☐ No

2.F. Pavement Markings
☐ Stop Lines ☐ Dynamic Envelope
☐ RR Xing Symbols ☒ None

2.G. Channelization Devices/Medians
☐ All Approaches ☐ Median
☐ One Approach ☐ None

2.H. EXEMPT Sign *(R15-3)*
☐ Yes
☐ No

2.I. ENS Sign *(I-13)* Displayed
☐ Yes
☐ No

2.J. Other MUTCD Signs ☐ Yes ☐ No
Specify Type _____ Count _____
Specify Type _____ Count _____
Specify Type _____ Count _____

2.K. Private Crossing Signs *(if private)*
☐ Yes ☒ No

2.L. LED Enhanced Signs *(List types)*

3. Types of Train Activated Warning Devices at the Grade Crossing *(specify count of each device for all that apply)*

3.A. Gate Arms *(count)*
Roadway 0
Pedestrian 0

3.B. Gate Configuration
☐ 2 Quad ☐ Full *(Barrier)* Resistance
☐ 3 Quad ☐ Median Gates
☐ 4 Quad

3.C. Cantilevered *(or Bridged)* Flashing Light Structures *(count)*
Over Traffic Lane 0 ☐ Incandescent
Not Over Traffic Lane 0 ☐ LED

3.D. Mast Mounted Flashing Lights *(count of masts)* 0
☐ Incandescent ☐ LED
☐ Back Lights Included ☐ Side Lights Included

3.E. Total Count of Flashing Light Pairs
0

3.F. Installation Date of Current Active Warning Devices: *(MM/YYYY)*
_____/_____ ☒ Not Required

3.G. Wayside Horn
☐ Yes Installed on *(MM/YYYY)* _____/_____
☒ No

3.H. Highway Traffic Signals Controlling Crossing
☐ Yes ☒ No

3.I. Bells *(count)*
0

3.J. Non-Train Active Warning
☐ Flagging/Flagman ☐ Manually Operated Signals ☐ Watchman ☐ Floodlighting ☒ None

3.K. Other Flashing Lights or Warning Devices
Count 0 Specify type _____

4.A. Does nearby Hwy Intersection have Traffic Signals?
☐ Yes ☒ No

4.B. Hwy Traffic Signal Interconnection
☒ Not Interconnected
☐ For Traffic Signals
☐ For Warning Signs

4.C. Hwy Traffic Signal Preemption
☐ Simultaneous
☐ Advance

5. Highway Traffic Pre-Signals
☐ Yes ☒ No
Storage Distance * 0
Stop Line Distance * 0

6. Highway Monitoring Devices *(Check all that apply)*
☐ Yes - Photo/Video Recording
☐ Yes – Vehicle Presence Detection
☒ None

Part IV: Physical Characteristics

1. Traffic Lanes Crossing Railroad ☐ One-way Traffic ☐ Two-way Traffic ☐ Divided Traffic
Number of Lanes _____

2. Is Roadway/Pathway Paved? ☐ Yes ☐ No

3. Does Track Run Down a Street? ☐ Yes ☐ No

4. Is Crossing Illuminated? *(Street lights within approx. 50 feet from nearest rail)* ☐ Yes ☐ No

5. Crossing Surface *(on Main Track, multiple types allowed)* Installation Date * *(MM/YYYY)* _____/_____ Width * _____ Length * _____
☐ 1 Timber ☐ 2 Asphalt ☐ 3 Asphalt and Timber ☐ 4 Concrete ☐ 5 Concrete and Rubber ☐ 6 Rubber ☐ 7 Metal
☐ 8 Unconsolidated ☐ 9 Composite ☐ 10 Other *(specify)* _____

6. Intersecting Roadway within 500 feet?
☐ Yes ☐ No If Yes, Approximate Distance *(feet)* _____

7. Smallest Crossing Angle
☐ 0° – 29° ☐ 30° – 59° ☐ 60° - 90°

8. Is Commercial Power Available? *
☐ Yes ☐ No

Part V: Public Highway Information

1. Highway System
☐ (01) Interstate Highway System
☐ (02) Other Nat Hwy System (NHS)
☐ (03) Federal AID, Not NHS
☐ (08) Non-Federal Aid

2. Functional Classification of Road at Crossing
☐ (0) Rural ☐ (1) Urban
☐ (1) Interstate ☐ (5) Major Collector
☐ (2) Other Freeways and Expressways
☐ (3) Other Principal Arterial ☐ (6) Minor Collector
☐ (4) Minor Arterial ☐ (7) Local

3. Is Crossing on State Highway System?
☐ Yes ☐ No

4. Highway Speed Limit
_____ MPH
☐ Posted ☐ Statutory

5. Linear Referencing System *(LRS Route ID)* *

6. LRS Milepost *

7. Annual Average Daily Traffic *(AADT)*
Year _____ AADT _____

8. Estimated Percent Trucks
_____ %

9. Regularly Used by School Buses?
☐ Yes ☐ No Average Number per Day _____

10. Emergency Services Route
☐ Yes ☐ No

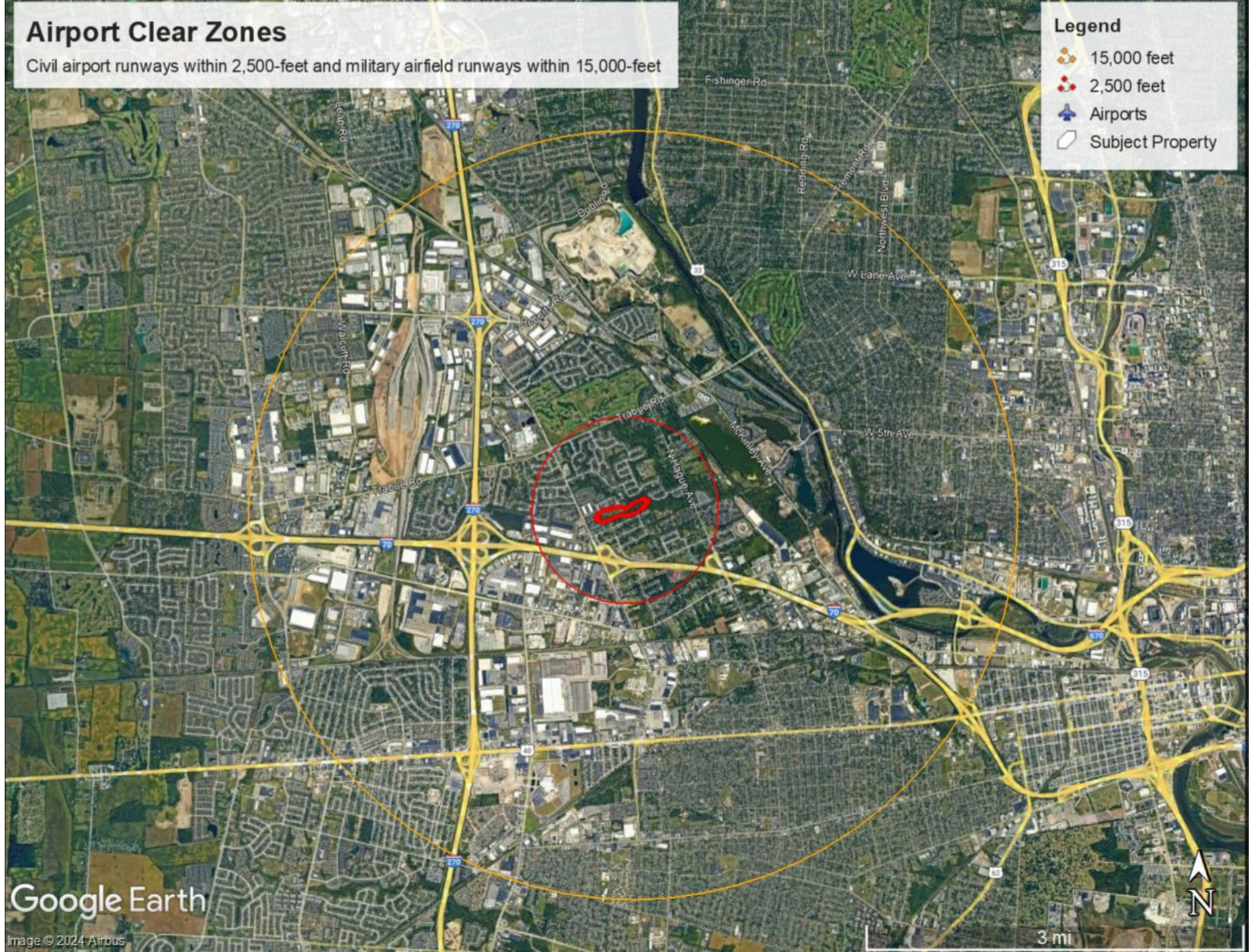
Submission Information - *This information is used for administrative purposes and is not available on the public website.*

Submitted by _____ Organization _____ Phone _____ Date _____

Public reporting burden for this information collection is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed and completing and reviewing the collection of information. According to the Paperwork Reduction Act of 1995, a federal agency may not conduct or sponsor, and a person is not required to, nor shall a person be subject to a penalty for failure to comply with, a collection of information unless it displays a currently valid OMB control number. The valid OMB control number for information collection is 2130-0017. Send comments regarding this burden estimate or any other aspect of this collection, including for reducing this burden to: Information Collection Officer, Federal Railroad Administration, 1200 New Jersey Ave. SE, MS-25 Washington, DC 20590.

Appendix O -

Airport Location Map


Airport Clear Zones
Civil airport runways within 2,500-feet and military airfield runways within 15,000-feet
Legend
15,000 feet
2,500 feet
Airports
Subject Property
Fishinger Rd
Leap Rd
Dublin Rd
Redding Rd
Tremont Rd
Northwest Blvd
W Lane Ave
Walcutt Rd
Rogers Rd
Trabue Rd
McKinley Ave
N Hague Ave
W 5th Ave
270
33
315
70
670
40
63
Google Earth
Image © 2024 Airbus
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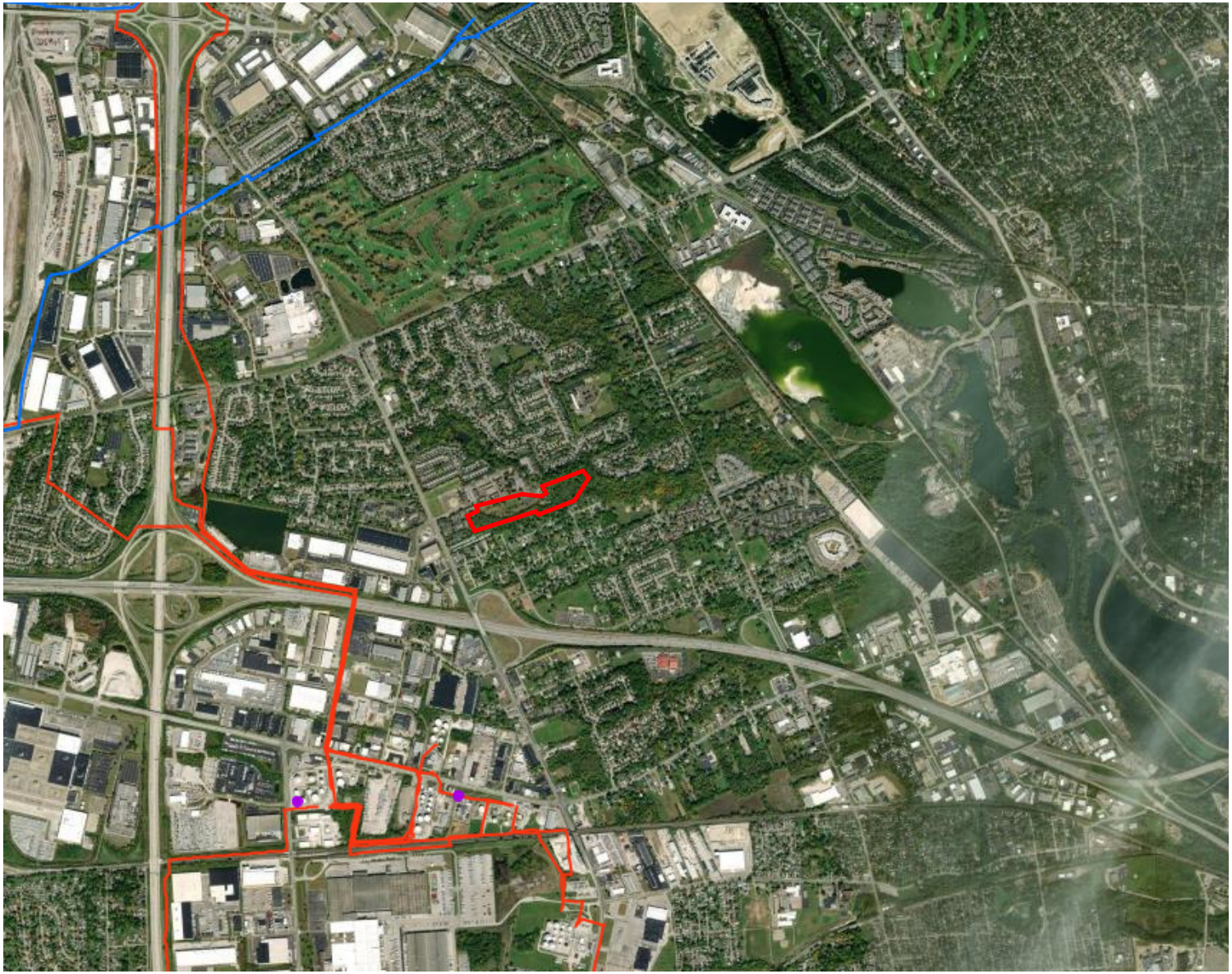
Appendix P -

Explosive and Flammable Documentation

Pipeline and Hazardous Materials Safety Administration

NATIONAL PIPELINE MAPPING SYSTEM



Legend

- Accidents (Liquid)
- Incidents (Gas)
- Gas Transmission Pipelines
- Hazardous Liquid Pipelines

500 m
1000 ft

Pipelines depicted on this map represent gas transmission and hazardous liquid lines only. Gas gathering and gas distribution systems are not represented.

This map should never be used as a substitute for contacting a one-call center prior to excavation activities. Please call 811 before any digging occurs.

Questions regarding this map or its contents can be directed to npms@dot.gov.

Projection: Geographic

Datum: NAD83

Map produced by the Public Viewer application at www.npms.phmsa.dot.gov

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Date Printed: Feb 23, 2024

811 Know what's below. Call before you dig.

Appendix Q -

Phase I ESA

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT

WEST FORK
TENNIS COURTS, AND GRASS-COVERED AND WOODED LAND
WILSON ROAD AND TWIN CREEKS DRIVE
COLUMBUS, OHIO

SME Project Number: 091564.00.004
February 7, 2024

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

4401 Lyman Drive, Suite C
Hilliard, OH 43026

T (614) 705-2250

www.sme-usa.com

February 7, 2024

Mr. Kyle Stanley
Kittle Property Group, Inc.
310 East 96th Street, Suite 400
Indianapolis, Indiana

Via E-mail: kstanley@kittleproperties.com

RE: Phase I Environmental Site Assessment Report
West Fork
Tennis Courts, and Grass-Covered and Wooded Land
Wilson Road and Twin Creeks Drive
Columbus, Ohio
SME Project No. 091564.00.004

Dear Mr. Stanley:

We have completed a Phase I Environmental Site Assessment (ESA) of the above-referenced property, hereinafter referred to as the Subject Property. The enclosed Phase I ESA report presents our interpretation of site conditions at the time the Phase I ESA was completed, based on field observations, a review of readily available historical and regulatory records, and interviews.

The Phase I ESA was requested to identify recognized environmental conditions associated with the Subject Property. We understand Kittle Property Group, Inc. will rely upon the professional opinions and representations contained in the report in accordance with the terms and conditions agreed upon for the project. This reliance is not to be construed as a warranty or guarantee on the part of SME.

If you have any questions concerning this report, or if additional services are required, please contact us.

Sincerely,

SME

Cayla Woods

Cayla M. Woods
Staff Engineer

Michael Yergin

Michael Yergin, CHMM
Project Consultant

Enclosure: SME Phase I Environmental Assessment Report Dated: February 7, 2024

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DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

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FIGURE 1: PROPERTY LOCATION MAP
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APPENDIX A

PHOTOGRAPHS

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HISTORICAL RESEARCH DOCUMENTATION

APPENDIX C
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APPENDIX D
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APPENDIX E
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1. SUMMARY

SME's project team conducted a Phase I Environmental Site Assessment (ESA) of the tennis courts, and grass-covered and wooded land at Wilson Road and Twin Creeks Drive, in Columbus, Franklin County, Ohio, hereinafter referred to as "the Subject Property," in conformance with the scope and limitations of ASTM International (ASTM) Standard Practice E 1527-21 (the Practice). Any exceptions to, or deletions from, this practice are described in Section 2.4 of this report. The Subject Property location is generally shown on Figure 1. Subject Property features are shown on Figure 2.

The purpose of this Phase I ESA was to satisfy relevant ASTM E 1527-21 requirements which are consistent with satisfying All Appropriate Inquiries (AAI) as required by the 2002 Small Business Liability Relief and Brownfields Revitalization Act to the Comprehensive Environmental Response, Compensation and Liability Act (42 U.S.C. 9601) as amended (CERCLA) to assist Kittle Property Group, Inc. (the User) in qualifying for applicable Landowner Liability Protections (LLP) or to meet lender requirements prior to obtaining a loan, as part of a collateral value assessment, or as part of a business risk assessment. One of the primary objectives was to identify recognized environmental conditions (RECs) in connection with the Subject Property and assess their relative significance.

This Phase I ESA report comprises the following elements: 1) Subject Property description, 2) User-provided information, 3) records review, 4) site reconnaissance, 5) interviews, 6) findings, opinions, and conclusions.

1.1 FINDINGS

The Subject Property was agricultural land from at least 1938 to 1980, at which time disturbed soil was depicted on the west and central portions. After 1980, aerial photography indicated that agricultural use had stopped, and tennis courts were present on the north portion. By 2004, the west and east portions were wooded, and the remainder consisted of grass-covered land. In January 2023, a Phase I ESA of the Subject Property identified disturbed soil and evidence of dumping (undocumented soil piles, asphalt millings, household waste, and unidentified granular material) near the center of the Subject Property. Shallow soil samples were collected near the disturbed soil and soil piles and analyzed for volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), and Resource Conservation and Recovery Act (RCRA 8) metals. Concentrations of chemicals of concern did not exceed applicable standards or county background levels. At the time of the site reconnaissance, the Subject Property consisted of tennis courts, and grass-covered and wooded land. Soil piles, construction debris (masonry) asphalt piles, and piles of an unidentified blueish, granular material were present near the center of the Subject Property and a creek and unknown pipe were present on the east portion.

The surrounding area to the south has been developed with a residential neighborhood since at least 1923. Surrounding areas to the north, east and west consisted primarily of agricultural or undeveloped wooded land from 1923 until 1972. By 1980, residential development had begun to the north, and a commercial building was present southwest of the Subject Property. At the time of the site reconnaissance, the surrounding area consisted primarily of residential development with a commercial storage company to the southwest.

1.2 CONCLUSIONS

This assessment has revealed no evidence of recognized environmental conditions in connection with the Subject Property.

No VECs or emerging contaminant concerns were identified in connection with the Subject Property.

We identified no significant data gaps or limiting conditions representing significant data gaps in connection with this ESA.

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If the User is acquiring the Subject Property, the User is the sole party responsible for complying with AAI requirements for LLP under CERCLA as an Innocent Land Owner, Bona Fide Prospective Purchaser, or Contiguous Subject Property Owner, as applicable. The completion of a Phase I ESA, with statement by an Environmental Professional (EP) that it is compliant with AAI and/or the ASTM E 1527-21 Practice, may not be sufficient to provide CERCLA LLP.

The findings, opinions and conclusions presented above are intended to provide a summary of the pertinent findings of our Phase I ESA investigation. It should be noted that although this section is an integral part of the report, it should not be substituted in lieu of reading the entire report. The entire report must be read in order to fully understand the potential environmental concerns associated with the Subject Property.

1.3 SIGNATURES AND STATEMENT OF ENVIRONMENTAL PROFESSIONAL

SME's Project Team was as follows. Resumes are attached in Appendix E.

PREPARED BY:

Cayla Woods

Cayla M. Woods
Staff Engineer

REVIEWED BY:

Jason Cheney, CHMM
Senior Consultant

The Environmental Professional responsible for the conduct of this Phase I ESA was Ms. Kelsea M. Bourns, PE.

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312. I have the specific qualifications based on education, training, and experience to assess a Subject Property of the nature, history, and setting of the Subject Property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Kelsea Bourns

Kelsea M. Bourns, PE
Project Engineer

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2. INTRODUCTION

SME's project team conducted a Phase I ESA of the Subject Property at Wilson Road and Twin Creeks Drive, Columbus, Franklin County, Ohio (Figure 1). The Phase I ESA was conducted according to the Practice, which is accepted in the U.S. Environmental Protection Agency regulations as satisfying one component of the requirements of AAI under CERCLA.

At the time of the reconnaissance, the Subject Property consisted of approximately 17.4 acres of land developed with tennis courts on the north portion. The remainder consisted of wooded, and grass covered land. The area west and southwest of the Subject Property consisted of commercial and multi-family residential developments, and the areas to the north and south were single- and multi-family residential. The area to the east was a residential development. The Subject Property area was served by Columbia Gas for natural gas, American Electric Power for electricity, and municipal utilities for water and sewer. Stormwater in the area infiltrated into the ground surface or flowed overland to streams on the eastern portion of the Subject Property. The Subject Property is depicted in the Property Features Diagram (Figure 2); developed from the observations and/or historical information collected during conduct of this Phase I ESA.

The Subject Property's tax parcel identification numbers were 560-129800-00, 570-207187-00, and 570-129822-00. The parcel cards which include the Subject Property's abbreviated legal description, are attached in Appendix B. The Subject Property owner at the time of this assessment was Rocco-Hilliard Annex LLC.

If the User is acquiring the Subject Property, satisfying AAI is one component of the requirements for a Prospective Purchaser. For properties known to be contaminated with hazardous substances, the Prospective Purchaser also must comply with the continuing obligations defined in CERCLA to maintain the LLP to CERCLA.

Mr. Mike Roderer, on behalf of Kittle Property Group, Inc., authorized the conduct of this Phase I ESA to identify and evaluate potential environmental concerns associated with the Subject Property. We were retained to conduct this Phase I ESA in accordance with our Consultant Services Agreement dated Janurary 12, 2024.

2.1 PURPOSE

The purpose of this Phase I ESA was to satisfy relevant ASTM E 1527-21 requirements which are consistent with satisfying AAI as required by the 2002 Small Business Liability Relief and Brownfields Revitalization Act to CERCLA to qualify the User for applicable LLP or to meet lender requirements prior to obtaining a loan, as part of a collateral value assessment, or as part of a business risk assessment. The Practice defines a REC as:

> *(1) the presence of hazardous substances or petroleum products in, on, or at the Subject Property due to a release to the environment;(2) the likely presence of hazardous substances or petroleum products in, on, or at the Subject Property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the Subject Property under conditions that pose a material threat of a future release to the environment.*

2.2 DETAILED SCOPE OF SERVICES

This Phase I ESA was conducted in conformance with the ASTM International Standard Practice on Environmental Site Assessments for Commercial Real Estate designation E 1527-21, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process." This Phase I ESA does not address the non-scope considerations as defined by Section 13 of the Practice.

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In addition, this Phase I ESA addresses the following non-scope considerations as defined by Section 13 of the ASTM Practice:

- Visual assessment of suspect Asbestos Containing Materials (ACM)
- Visual assessment of suspect Lead-Based Paint (LBP)
- A review of Lead in Drinking Water data from the local water utility
- Visual assessment of suspect Mold
- Review of readily available information regarding Radon concentrations in the Subject Property area
- A review of wetlands information by reviewing information provided by the National Wetlands Inventory
- A review of flood plain information by reviewing information provided by the Federal Emergency Management Agency
- A review of onsite water features based on the Subject Property reconnaissance and historical review
- Review of readily available sources for information regarding Underground mines
- Review of readily available sources regarding endangered or threatened species and cultural resources

2.3 SIGNIFICANT ASSUMPTIONS

Pursuant to the Practice, we assume information provided by all sources and parties (including the User), is accurate and complete except where obvious inconsistencies or inaccuracies were identified.

2.4 LIMITING CONDITIONS AND EXCEPTIONS

No limiting conditions were encountered during site reconnaissance activities. The Practice's scope of assessment was implemented without exceptions.

2.5 SPECIAL TERMS AND CONDITIONS

No special terms or conditions were imposed on the conduct of this Phase I ESA.

2.6 RELIANCE

We have prepared this report to be used and relied upon solely and exclusively by Kittle Property Group, Inc. (the User), in accordance with terms and conditions agreed upon for the project. No other party may rely upon our opinions, conclusions or reports unless SME has agreed to such reliance in writing.

According to ASTM E 1527-21, to remain valid, the following components of a Phase I ESA must be conducted within 180 days of the date of acquisition or the date of an intended transaction involving the Subject Property:

- Interview(s) with owners, operators, and occupants
- Search for recorded environmental cleanup liens
- Review of federal, tribal, state and local government records
- Visual inspections of the Subject Property and adjoining sites

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- Declaration by the environmental professional responsible for the assessment

The interview with the Subject Property owner was completed on January 5, 2024, the earliest completion date of the required Phase I ESA components. This Phase I ESA report; therefore, is valid until July 3, 2024. If the User has not acquired the Subject Property by that date, one or more components of the report must be updated in accordance with the Practice in order for the User to qualify for applicable LLPs under CERCLA.

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3. USER-PROVIDED INFORMATION

As part of the ASTM Practice, the User has the responsibility to provide information described in the subsections below. Mr. Stanley, the User's representative, provided information about the following issues through completion of the **User Questionnaire** in Appendix C.

3.1 REASON FOR THE PHASE I ESA

The User's representative reported the reason for this Phase I ESA was to support the User's all appropriate inquiries into environmental conditions of the Subject Property, a component of the User's effort to qualify for one of the liability protections to CERCLA applicable to the planned purchase of the Subject Property.

3.2 RECORDED ENVIRONMENTAL CLEANUP LIENS AND ACTIVITY AND USE LIMITATIONS (AULS) OR SUBJECT PROPERTY USE LIMITATIONS (PULS)

The User's representative reported that First American was retained to review recorded land title records. No recorded environmental cleanup liens, AULs or PULs related to the Subject Property were reported by the User.

As part of the regulatory review conducted by SME (dated Janurary 17, 2024 and discussed in Section 4.2), federal institutional controls/engineering control registries, and state and tribal institutional control/engineering control registries were reviewed for information related to possible liens or use limitations against the Subject Property. No cleanup liens, AULs or PULs were found for the Subject Property as a part of this search.

3.3 SPECIALIZED KNOWLEDGE AND EXPERIENCE

The User's representative reported having no specialized knowledge or experience that would indicate, or create suspicion of, the presence of environmental contamination on the Subject Property.

3.4 RELATIONSHIP OF PURCHASE PRICE TO VALUE

The User's representative reported that the purchase price of the Subject Property reflected fair market value.

3.5 COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION

The User's representative referenced the prior assessments completed by SME. See Section 4.4.7.1 for discussion of the assessments.

3.6 PROCEEDINGS INVOLVING THE SUBJECT PROPERTY

The User's representative, based on personal knowledge and experience related to the Subject Property, reported no known pending, threatened, or past litigation, administrative proceedings, or violations of environmental laws and regulations related to hazardous substances or petroleum products in, on, or arising from the Subject Property.

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4. RECORDS REVIEW

4.1 PHYSICAL SETTING SOURCE(S)

4.1.1 USGS – CURRENT 7.5 MINUTE TOPOGRAPHIC MAP

We reviewed a United States Geological Survey (USGS) 7.5-minute series Topographic Map for the Southwest Columbus Quadrangle, Ohio, compiled in 2019 and depicted on Figure 1. The Subject Property was gently sloping from an elevation of approximately 840 feet above mean sea level (MSL) on the west portion to approximately 810 feet above MSL on the east portion. Structures were not depicted on the Subject Property. It was in an urban area approximately five miles west-northwest of downtown Columbus. Two unnamed creeks flowed eastward across the northern and southern boundaries and converged on the eastern portion of the Subject Property before eventually joining the Scioto River, located approximately 1.5 miles east of the Subject Property. Based on the review of the topographic map, groundwater flow is anticipated to be to the east toward the Scioto River.

4.1.2 OTHER NON-PRACTICE PHYSICAL SETTING SOURCES

We reviewed the Environmental Risk Information Services (ERIS) physical settings report (PSR) for information regarding the soils located at the Subject Property. Soils at the Subject Property consist of urban land and loams at varying slopes. Additional details regarding soil types are included in Appendix D.

4.2 ENVIRONMENTAL RECORD SOURCES

We retained ERIS on Janurary 17, 2024 to query the state, federal, and tribal regulatory agency databases described in the Practice to identify regulated and/or environmentally impacted sites within the specified approximate minimum search distances. ERIS also queried other readily available regulatory agency databases. The queried databases, associated search radii, and dates the lists were updated are listed in the ERIS report (Appendix D). The ERIS report also includes maps indicating the locations of these listed sites relative to the Subject Property. Unmapped sites, as identified by ERIS, are sites that for various reasons cannot be mapped through the ERIS query system. Where possible, we attempted to locate the reported unmapped sites.

The Subject Property was not listed as a regulated and/or environmentally impacted site; however, ERIS identified regulated and/or environmentally impacted sites within the specified search distances. A summary of listed mapped and unmapped sites of potential concern is presented in the table included in this subsection. The other listed sites do not appear to represent RECs in connection with the Subject Property based on cross-gradient location from assumed groundwater flow direction as described in Section 4.1 and distance from the Subject Property.

SITE NAME AND ADDRESS	APPROXIMATE DISTANCE AND DIRECTION FROM SUBJECT PROPERTY[1]	NAME OF LIST[2]
Residential 3350 Brookside Blvd	The south-adjoining site.	SPILLS
Twin Creek Apartments 3499 Wilson Woods Drive	Approximately 275 feet north of the Subject Property.	SPILLS

[1]ERIS sites are mapped by address. Distances and/or site directions listed above may be adjusted from those reported by ERIS to better represent field conditions and potential site boundaries.
[2]Definitions of acronyms and lists are presented in the ERIS report.

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We reviewed relevant documents provided by the Ohio Environmental Protection Agency (EPA) Ohio Emergency Response database for the SPILLS listed in the table to evaluate potential RECs. Summaries of our findings are presented in the following paragraphs.

The spill identified at **3350 Brookside Boulevard** was located at a residential address and occurred in 1994. The database did not contain information regarding the amount or type of material released; however, it indicated an elevation of 822 feet above MSL. Aerial photography indicates this site may have been used for vehicle repair. Due to the cross-gradient location of this site to groundwater flow, location topographically down-gradient, this spill is not a REC.

The spill identified at **3499 Wilson Woods Drive** consisted of a release of 35 gallons of hydraulic oil in 2004. Due to the nature of the material and the quantity released, this spill does not constitute a REC.

4.3 ADDITIONAL ENVIRONMENTAL RECORD SOURCES

4.3.1 COUNTY ENVIRONMENTAL HEALTH DEPARTMENT

On January 18, 2024, we contacted the City of Columbus Environmental Health Department via e-mail and requested available information pertaining to environmental complaints, concerns or general records associated with the Subject Property and surrounding area, including information on septic systems and water wells, if any. On January 19, 2024, a representative of the City of Columbus Environmental Health Department indicated no records were available for the Subject Property.

4.3.2 LOCAL FIRE DEPARTMENT

On January 15, 2024, we contacted the Columbus Fire Department via e-mail and requested available records associated with the Subject Property and surrounding area regarding underground storage tanks (USTs), hazardous materials responses or other environmental complaints or concerns. On January 22, 2024, a representative of the Columbus Fire Department indicated no records were available.

4.3.3 STATE AGENCY FOR OIL AND GAS WELLS

We reviewed the PSR provided by ERIS for information regarding the presence of oil and gas wells located in the Subject Property vicinity. According to the report, no oil or gas wells were located within one half of a mile of the Subject Property.

4.3.4 OTHER RECORD SOURCES

No other record sources were accessed as part of this Phase I ESA.

4.4 HISTORICAL USE INFORMATION FOR THE SUBJECT PROPERTY AND SURROUNDING AREA

We consulted historical record sources described in the following subsections to develop a history of the Subject Property's previous uses to help identify the likelihood of past uses having led to RECs in connection with the Subject Property. The information reviewed was from reasonably ascertainable standard sources, defined in the Practice as publicly available, obtainable from its source within reasonable time and cost constraints, and practicably reviewable.

Data failures encountered, as defined by the Practice, are described in the following discussions of the respective historical sources. The Practice requires review of only as many of the standard historical sources as are reasonably ascertainable and likely to be useful.

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The sources reviewed for this Phase I ESA are summarized below. Copies of source documents are included in Appendix B. A summary of findings from these reviews is presented below.

4.4.1 AERIAL PHOTOGRAPHS

We reviewed aerial photographs, obtained from ERIS, dated 1938 to 2021. A summary of our review is provided below.

AERIAL PHOTOGRAPH SUMMARY	
YEAR(S)	**COMMENTS**
1938 - 1972	**Subject Property:** Agricultural land was present on the west portion of the Subject Property and the eastern portion consisted of wooded and grass covered land. Streams were visible north and south of the Subject Property, converging on the eastern portion. **Surrounding Area:** The surrounding area consisted primarily of agricultural, wooded, and grass-covered land with residential development to the south.
1980 - 2021	**Subject Property:** By 1980, disturbed soil and material piles were present near the center and western portions of the Subject Property. Tennis courts were present on the north portion. By 1994, the east and west portions of the Subject Property consisted of wooded land, and the remainder of the Subject Property consisted of grass-covered land and tennis courts. **Surrounding Area:** The surrounding area consisted of residential development to the north and south, and grass-covered or wooded land to the east and west. By 1985, residential structures were present to the west of the Subject Property. By 1994, residential structures (single family homes) were present in a neighborhood to the east and a gasoline filling station was present to the southwest. By 2004, commercial storage structures were developed on the southwest-adjoining site.

4.4.2 FIRE INSURANCE MAPS

According to ERIS, no fire insurance maps for the Subject Property were available.

4.4.3 SUBJECT PROPERTY TAX FILES

We visited the Franklin County Auditor website and reviewed available records, which were comprised of parcel summary sheets. The owner of the Subject Property was listed as Rocco-Hilliard Annex LLC. Past owners were Hilliard Village Holdings, Audubon Road Associates, Cromwell Associates LLC, and PS II Real Estate LP.

4.4.4 RECORDED LAND TITLE RECORDS

We did not review land title records because information regarding the history of the Subject Property was obtained from other historical sources identified herein. In addition, land title records typically provide information regarding ownership, but not use, of a Subject Property.

4.4.5 USGS TOPOGRAPHIC MAPS

We reviewed the USGS Topographic Maps, dated 1923 to 2019, provided by ERIS.

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TOPOGRAPHIC MAP SUMMARY	
YEAR(S)	COMMENTS
1923 - 1995	**Subject Property:** Structures were not depicted on the Subject Property. Two creeks ran north and south of the Subject Property and converged on the east portion. **Surrounding Area:** Minor roadways, suggestive of a subdivision, were present south of the Subject Property and several structures were present along Wilson Road, west of the Subject Property. By 1955, individual structures were depicted along residential streets to the south of the Subject Property. In 1982, residential development was depicted to the south, east, and west.
2013 - 2019	Except for roads and waterways, specific features were not depicted on the Subject Property or in the surrounding area.

4.4.6 LOCAL STREET DIRECTORIES

We reviewed City Directory Abstracts, provided by ERIS, dated 1925 to 2022. A summary of our review is provided below.

CITY DIRECTORY SUMMARY
COMMENTS
Subject Property: An address was not associated with the Subject Property. **Surrounding Area:** **Wilson Road** 1188 – United Dairy Farmers (1997 – 2022) 1201 – Wilson Rd Mobil All other listings in the Subject Property area were commercial or residential that do not represent RECs.

4.4.7 OTHER HISTORICAL SOURCES

4.4.7.1 PRIOR REPORTS

SME completed a Phase I ESA of the Subject Property in January 2023. The following REC was identified:

- The potential release of petroleum or hazardous substances associated with disturbed soil and dumping (undocumented soil piles, asphalt millings, household waste, and unidentified granular material) in the central portion of the Subject Property

In March 2023, SME completed a Limited Phase II Environmental Site Assessment of the Subject Property to address the REC identified in the Phase I ESA. Seven shallow soil borings were advanced in the area of the disturbed soil and in the observed dumped piles of soil and construction materials. The soil samples were analyzed for volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), and Resource Conservation and Recovery Act (RCRA 8) metals. Concentrations of chemicals of concern did not exceed applicable standards or county background levels.

SME completed a Phase I ESA of the Subject Property in August 2023. RECs were not identified.

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4.4.7.2 ZONING AND LAND USE RECORDS

According to the City of Columbus Online Zoning Map, the Subject Property was classified as ARLD – Multi-Family.

4.4.7.3 OTHER SUPPLEMENTAL SOURCES

We did not review other historical sources because sufficient information regarding the Subject Property's history was obtained from the aforementioned historical sources.

4.4.8 HISTORICAL USE SUMMARY

The Subject Property was agricultural land from at least 1938 to 1980, at which time disturbed soil was depicted on the west and central portion of the Subject Property. After 1980, aerial photography indicated that agricultural use had stopped, and tennis courts were present on the north portion of the Subject Property. By 2004, the west and east portion of the Subject Property was wooded, and the remainder consisted of grass-covered land. In January 2023, a Phase I ESA of the Subject Property identified disturbed soil and evidence of dumping (undocumented soil piles, asphalt millings, household waste, and unidentified granular material) near the center of the Subject Property. Shallow soil samples were collected near the disturbed soil and soil piles and analyzed for VOCs, PAHs, and RCRA 8 metals. Concentrations of chemicals of concern did not exceed applicable standards or county background levels; therefore, the disturbed soil and evidence of dumping does not represent a REC. The past use of the Subject Property does not represent a REC.

The surrounding area to the south was developed with a residential neighborhood since at least 1923. Surrounding areas to the north, east and west consisted primarily of agricultural or undeveloped wooded land until 1972. By 1980, residential development had begun to the north, and a commercial building was present southwest of the Subject Property. A gasoline station was developed southwest of the Subject Property along Wilson Road between 1985 and 1994. Based on the distance of the gasoline station and its cross-gradient location, it does not represent a REC. Between 1994 and 2021, the surrounding area consisted of residential development to the north, east, and south, with commercial development to the west and southwest. The surrounding sites do not represent an environmental concern.

The Subject Property had been developed for agricultural purposes by 1938, the time of the earliest available records identifying land use, so we were not able to determine the first developed use. Earlier topographic map data indicated only that the Subject Property was devoid of structures. This is data failure for this Phase I ESA. In addition, data failure was noted between the years 1965 to 1971; however, the usage did not appear to change across these periods. Therefore, the data failures do not represent a significant data gap.

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5. SITE RECONNAISSANCE

We conducted a site reconnaissance to identify evidence indicative of RECs in connection with the Subject Property. Descriptions of the current Subject Property use and conditions, including the use, storage, and/or treatment of hazardous substances and/or petroleum products and the generation, storage/accumulation, and/or disposal of chemical, petroleum or other contaminated wastes are presented in the following sections.

5.1 METHODOLOGY AND LIMITING CONDITIONS

On January 28, 2024, Mr. Ben Chenoweth, under the guidance of the EP, conducted a reconnaissance to observe Subject Property conditions and features. Mr. Chenoweth was unaccompanied during the site reconnaissance. He walked around the perimeter of the Subject Property and through the center from west to east. Photographs taken during the reconnaissance, which illustrate observed conditions and surrounding areas, are contained in Appendix A. Dense vegetation located in the east and west portions of the Subject Property limited our ability to walk the entirety of the ground surface; however, winter leaf-off conditions meant that visibility was generally good; therefore, the vegetation does not represent a limiting condition.

5.2 GENERAL SUBJECT PROPERTY SETTING

The Subject Property was situated in a gently sloping, suburban area approximately five miles west of downtown Columbus. Residential development surrounded the Subject Property with commercial land uses to the west and southwest. Twin Creeks Drive and Brookside Boulevard bordered the Subject Property to the north and south, respectively.

5.3 EXTERIOR OBSERVATIONS

The Subject Property consisted of wooded and grass-covered land with tennis courts on the north-central portion. Mr. Chenoweth observed no evidence of stained soils or pavements, or areas of stressed vegetation, pools of liquids, septic systems or water supply wells. No RECs were identified unless indicated in the following subsections.

5.3.1 HAZARDOUS SUBSTANCE OR PETROLEUM PRODUCT USE AND STORAGE

Mr. Chenoweth observed no use and/or storage of hazardous substances or petroleum products in drums or other containers that might represent a REC.

5.3.2 USTS/ASTS

Mr. Chenoweth observed no evidence of USTs or ASTs.

5.3.3 PCB-CONTAINING EQUIPMENT

Mr. Chenoweth observed no evidence of equipment containing polychlorinated biphenyls (PCBs).

5.3.4 PITS, PONDS, AND LAGOONS

Mr. Chenoweth observed no evidence of pits, ponds, or lagoons.

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5.3.5 WASTE GENERATION, TREATMENT, STORAGE, AND DISPOSAL

Mr. Chenoweth observed hummocky mounds of disposed material including what appeared to be soil piles, construction debris (masonry) asphalt piles and piles of an unidentified blueish, granular material in the central portion of the Subject Property. This granular material was interpreted to be filter sand and paint chips likely associated with the nearby swimming pool located on the northern adjacent property. See Section 4.4.7.1 for discussion of the investigation associated with these areas. Dumping of household materials (mattresses, clothing, etc.) in the western and south-central wooded portions was also observed. The household waste does not represent a REC.

5.3.6 OTHER EXTERIOR FEATURES

Mr. Chenoweth observed an unknown pipe located on the east portion of the Subject Property. The pipe did not appear indicative of a typical UST fill port or vent pipe and evidence of environmental impact was not observed near the pipe; therefore, it does not represent a REC. Mr. Chenoweth observed no other features indicative of RECs.

5.4 INTERIOR OBSERVATIONS

There were no structures observed on the Subject Property at the time of the reconnaissance.

5.5 ADJOINING SITES OBSERVATIONS

Known uses of adjoining sites at the time of the site reconnaissance are summarized in the following table:

DIRECTION	NAME ADDRESS	ACTIVITY
North	Residential Development 3400 Twins Creeks Drive	Residential
East	Residential Development Medoma Drive	Residential
South	Residential Development Brookside Boulevard	Residential
West	Wilson Road Storage 1204 North Wilson Road Residential Development Dragonfly Drive	Commercial storage Residential

Mr. Chenoweth observed the adjoining sites by walking the Subject Property boundaries and driving public roads. Based on observations during the reconnaissance, no RECs were identified associated with the adjoining sites.

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6. INTERVIEWS

As part of the conduct of this Phase I ESA, Ms. Bourns interviewed the following pertinent individuals other than the User of this report:

- Current Subject Property owner (or representative) – David Colman with Roco Hilliard Annex
- State and/or local government officials – A representative of the City of Columbus Environmental Health Department

6.1 INTERVIEWS WITH OWNER/SITE MANAGER/OCCUPANT

We evaluated information provided on an Owner/Occupant Questionnaire completed by Mr. Colman. He indicated they purchased the Subject Property in 2015 and it consisted of a vacant parcel. Mr. Colman did not have knowledge of environmental conditions that would represent a REC. We identified no RECs based on the review of the Owner/Occupant Questionnaire.

6.2 INTERVIEWS WITH LOCAL GOVERNMENT OFFICIALS

We interviewed a representative of the City of Columbus Environmental Health Department and asked whether they knew of any environmental incidents or concerns associated with the Subject Property and surrounding area. They were not aware of environmentally-related incidents having occurred on the Subject Property or surrounding area.

6.3 INTERVIEWS WITH OTHERS

No other interviews were performed as part of this Phase I ESA.

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7. OTHER ENVIRONMENTAL CONCERNS

7.1 VAPOR ENCROACHMENT FROM THE SUBSURFACE

Vapors can encroach onto the Subject Property and migrate into current or future Subject Property structures as the result of a release of hazardous substances or petroleum products to the subsurface soil or groundwater at the Subject Property or from releases to nearby sites located adjoining, hydraulically up-gradient, or with preferential pathways to the Subject Property. We considered the following factors when assessing the likelihood of vapor encroachment at the Subject Property. Please note, this assessment does not constitute a vapor encroachment screening as defined in ASTM E2600-22.

- Current use of the Subject Property and nearby sites via visual reconnaissance (Section 5.)
- Historic use of the Subject Property and nearby sites via review of a regulatory database report (Section 4.2), other record sources (Section 4.3.4), and historical sources (Section 4.4)
- Physical setting of the Subject Property and nearby sites (Section 4.1)

Based on the evaluation of the above referenced criteria, no potential subsurface vapor encroachment sources were identified.

7.2 SUBSTANCES NOT IDENTIFIED AS HAZARDOUS SUBSTANCES

Emerging contaminants are substances not identified as hazardous by CERCLA; however, these substances may have screening criteria identified by state or local governments. We reviewed the database report (Section 4.2), contacted local government officials (Section 4.3) and reviewed prior assessments, if available, to identify the potential for emerging contaminants to be present at the Subject Property. Our review did not identify the likely presence of emerging contaminants at the Subject Property.

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8. EVALUATION

The findings, opinions and conclusions presented above are intended to provide a summary of the pertinent findings of our Phase I ESA investigation. It should be noted that although this section is an integral part of the report, it should not be substituted in lieu of reading the entire report. The entire report must be read in order to fully understand the potential environmental concerns associated with the Subject Property.

8.1 FINDINGS AND OPINIONS

The Subject Property was agricultural land from at least 1938 to 1980, at which time disturbed soil was depicted on the west and central portions. After 1980, aerial photography indicated that agricultural use had stopped, and tennis courts were present on the north portion. By 2004, the west and east portions were wooded, and the remainder consisted of grass-covered land. In January 2023, a Phase I ESA of the Subject Property identified disturbed soil and evidence of dumping (undocumented soil piles, asphalt millings, household waste, and unidentified granular material) near the center of the Subject Property. Shallow soil samples were collected near the disturbed soil and soil piles and analyzed for volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), and Resource Conservation and Recovery Act (RCRA 8) metals. Concentrations of chemicals of concern did not exceed applicable standards or county background levels. At the time of the site reconnaissance, the Subject Property consisted of tennis courts, and grass-covered and wooded land. Soil piles, construction debris (masonry) asphalt piles, and piles of an unidentified blueish, granular material were present near the center of the Subject Property and a creek and unknown pipe were present on the east portion.

The surrounding area to the south has been developed with a residential neighborhood since at least 1923. Surrounding areas to the north, east and west consisted primarily of agricultural or undeveloped wooded land from 1923 until 1972. By 1980, residential development had begun to the north, and a commercial building was present southwest of the Subject Property. At the time of the site reconnaissance, the surrounding area consisted primarily of residential development with a commercial storage company to the southwest.

No recognized environmental conditions controlled recognized environmental conditions, historical recognized environmental conditions or de minimis conditions were identified at the Subject Property.

No VECs or emerging contaminant concerns were identified in connection with the Subject Property.

8.2 CONCLUSIONS

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Standard Practice E 1527-21 of the tennis courts, and grass-covered and wooded land at Wilson Road and Twin Creeks Drive, in Columbus, Franklin County, Ohio. Any exceptions to, or deletions from, this practice are described in Section 2.4 of this report. In the EP's opinion, this assessment has revealed no evidence of recognized environmental conditions in connection with the Subject Property.

8.3 DATA GAPS AND LIMITING CONDITIONS

We identified no significant data gaps or limiting conditions representing significant data gaps in connection with this ESA.

9. DEVIATIONS

No deviations occurred as part of this Phase I ESA.

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10. NON-SCOPE SERVICES

At the time of the site reconnaissance (January 28, 2024), there were no structures observed on the Subject Property; therefore, observations of mold, ACMs and LBP were not applicable.

We reviewed the ERIS PSR for information regarding radon screening levels for Franklin County, Ohio. Franklin County was listed as Zone 1; a county with a predicted average indoor radon screening level great than 4 picocuries per liter (pCi/L). The median radon screening level was reported as 5.4 pCi/L with a maximum concentration of 46 pCi/L and a standard deviation of 6.9 pCi/L.

We reviewed the City of Columbus Drinking Water Consumer Confidence Report (CCR). The report indicated that concentrations of lead in the drinking water were within the allowable limits and no violations were reported.

SME reviewed the U.S. Fish and Wildlife Service National Wetland Inventory Wetlands Mapper, the Federal Emergency Management Agency (FEMA) Map Service Center, and the Franklin County Auditor for the information regarding wetlands and flood plains associated with the Subject Property. The National Wetlands Inventory Wetland Mapper indicated that Riverine wetlands (unnamed streams) were located along the northeastern and southeastern portions of the Subject Property. The FEMA Flood Insurance Rate Map for the City of Columbus labeled the area of the Subject Property surrounding the two unnamed streams and their confluence on the eastern portion of the Subject Property as a Regulatory Floodway, Zone AE, an area inundated by the one-percent-annual-chance flood. The remainder of the Subject Property was outside of labeled flood zones. Excerpts of the maps SME reviewed are provided in Appendix D.

A review of on-site water features currently or historically present on the Subject Property was completed by reviewing historical records (Section 4), as well as observations during the site reconnaissance (Section 5). From at least 1923 until the time of the site reconnaissance, the two unnamed streams flowed along the southeastern boundary and crossed the northeastern boundary before converging on the eastern portion of the Subject Property.

A review of underground mines was completed by reviewing the Ohio Department of Natural Resources, Mines of Ohio GIS Mapper website. No underground mines were located beneath the Subject Property.

A review of endangered and threatened species, and cultural resources was completed by reviewing the NEPA report, obtained from ERIS. No special status species or critical habitat was identified in the NEPA Report included in Appendix D. Historical, cultural or tribal sites were not identified on or in the search radius of the Subject Property in the NEPA report.

No other non-scope services were provided in conjunction with this Phase I ESA.

11. REFERENCES

ASTM International, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, November 1, 2021.

Phase I Environmental Site Assessment. Wilson Road and Twin Creeks Drive, Columbus, Ohio. SME. January 6, 2023.

Pre-Purchase Due Diligence Limited Phase II Environmental Site Assessment. Undeveloped Grass-covered and Wooded Land. Wilson Road and Twin Creeks Drive, Columbus, Ohio. SME. March 13, 2023.

Phase I Environmental Site Assessment. Wilson Road and Twin Creeks Drive, Columbus, Ohio. SME. August 11, 2023

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FEMA Map Service Center Website: https://msc.fema.gov/portal/home

U.S. Fish and Wildlife Service National Wetland Inventory Wetlands Mapper: https://www.fws.gov/wetlands/data/mapper.html

ODNR Mines of Ohio. https://gis.ohiodnr.gov/MapViewer/?config=OhioMines

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12. GENERAL COMMENTS

SME's project team conducted this Phase I ESA to identify RECs in connection with the Subject Property and to assess the relative significance of the identified RECs. The findings, opinions, conclusions, and recommendations presented in this report are based upon observations noted during the site visit, and information obtained during the performance of the scope of services on the dates indicated. In the process of obtaining the field and historical information in preparation of this report, procedures were followed that represent reasonable and accepted environmental practices and principles, in a manner consistent with that level of care and skill ordinarily exercised by members of these professions currently practicing under similar conditions. Records reviewed at various locations as identified within the text of this report, include only those records that were provided to SME by the referenced department on the date indicated. As such, the records provided to SME may not represent all records available at a given source. Appropriate Inquiries was made into the past uses of the Subject Property consistent with good commercial or customary practice. As is typical with Phase I ESAs, SME conducted no testing or subsurface sampling for this assessment.

Due to unknown or latent conditions on the Subject Property, or on adjoining or nearby properties, which may become evident in the future, SME does not represent the Subject Property is free of contamination or hazardous waste material. It should also be noted the Subject Property conditions may change over time. Should additional surface, subsurface, chemical, or other data become available after the date of issue of this report, the findings, conclusions and recommendations contained in this report may have to be modified. SME should be retained to review the new information and adjust our opinion and recommendations accordingly.

All reports, field data, field notes, laboratory test data, calculations, estimates and other documents prepared by SME as instruments of service are the property of SME. No parties other than those specifically identified in this report may rely upon SME's opinions, conclusions or reports unless SME has agreed to such reliance in writing. In any event, any reliance will be subject to the terms and conditions set forth in the contractual agreement under which this work was performed.

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FIGURES

FIGURE 1: PROPERTY LOCATION MAP
FIGURE 2: PROPERTY FEATURES DIAGRAM

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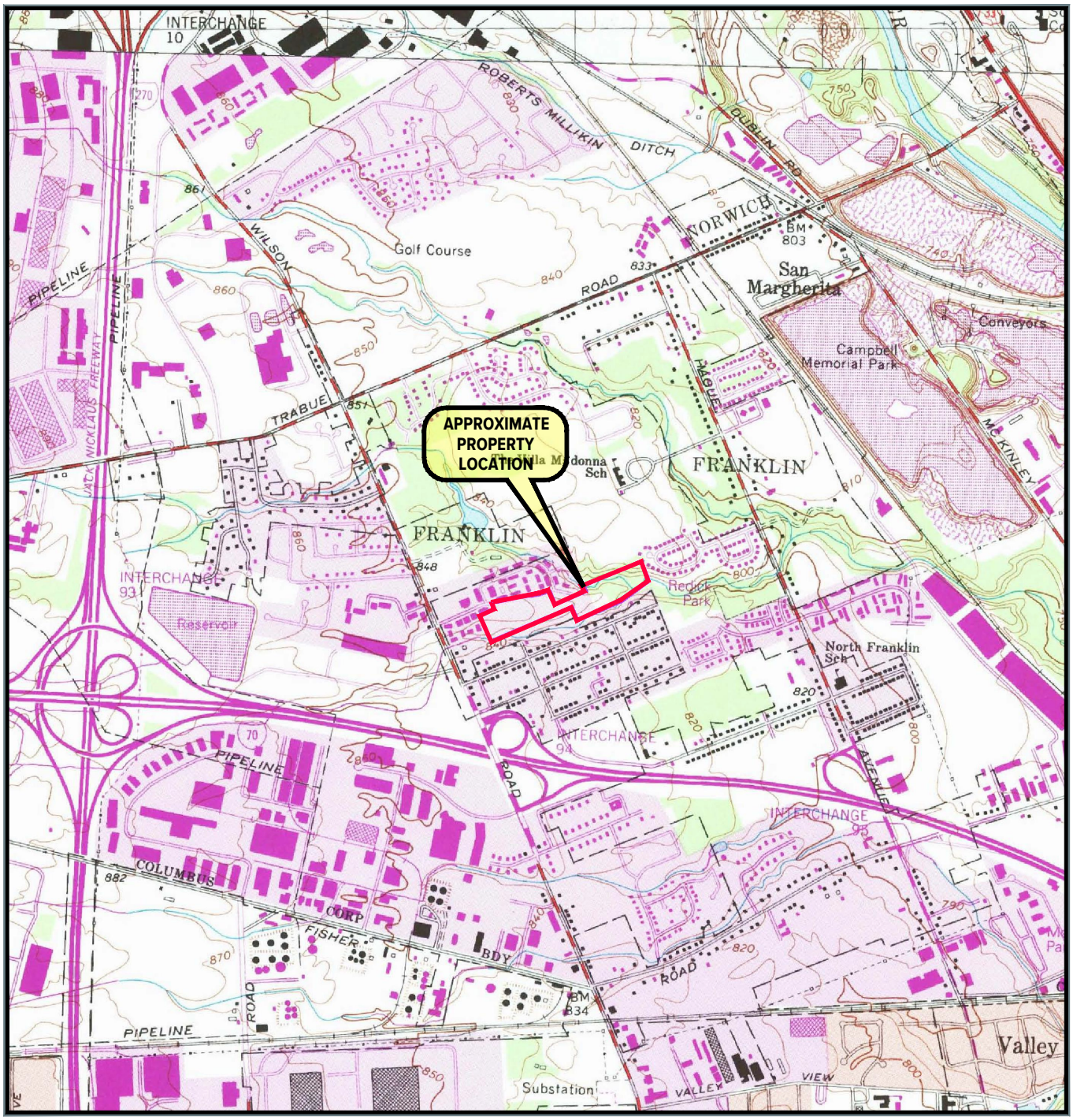

Base map obtained from ERIS®

USGS QUADRANGLE(s) REFERENCED

SOUTHWEST COLUMBUS (OH) 1995

N
W E
S

0' 2000'

SCALE: 1" = 2000'

No.	Revision Date		
		Date	2-1-2024
		Drawn By	JAB/TPM
		Designed By	CMW
		Scale	1" = 2000'
		Project	091564.00.004

PROPERTY LOCATION MAP
TENNIS COURTS AND GRASS-COVERED AND WOODED LAND
WILSON RD AND TWIN CREEK DR
COLUMBUS, OHIO

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Figure No. 1

Feb 01, 2024 - 4:03pm - julie.blake

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GRAPHIC SCALE: 1" = 300'

LEGEND

APPROXIMATE PROPERTY BOUNDARY

NOTE:
1. AERIAL IMAGE TAKEN FROM GOOGLE EARTH PRO WITH AN IMAGE DATE OF 10-8-2022 AND SITE RECONNAISSANCE.

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Project
TENNIS COURTS, AND GRASS-COVERED AND WOODED LAND

Project Location
WILSON RD AND TWIN CREEK DR COLUMBUS, OHIO

Sheet Name
PROPERTY FEATURES DIAGRAM

No.	Revision Date

Date 2-1-2024
CADD JAB/TPM
Designer CMW
Scale AS NOTED
Project 091564.00.004
Figure No. 2

DRAWING NOTE: SCALE DEPICTED IS MEANT FOR 11" X 17" AND WILL SCALE INCORRECTLY IF PRINTED ON ANY OTHER SIZE MEDIA

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APPENDIX A
PHOTOGRAPHS

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PHOTO NO. 1: General view of the Subject Property from the west boundary.

PHOTO NO. 2: View along the south Subject Property boundary from the southeast corner.

SME Project No.	091564.00.004
Photographs by:	Ben Chenoweth
Date:	January 29, 2024
Project:	Tennis Courts, and Grass-covered and Wooded Land
Location:	Wilson Road and Twin Creeks Drive, Columbus, Ohio

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PHOTO NO. 3: View along the north Subject Property boundary from the northwest corner.

PHOTO NO. 4: View along the west Subject Property boundary from the southwest corner.

SME Project No.	091564.00.004
Photographs by:	Ben Chenoweth
Date:	January 29, 2024
Project:	Tennis Courts, and Grass-covered and Wooded Land
Location:	Wilson Road and Twin Creeks Drive, Columbus, Ohio

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PHOTO NO. 5: View of the central portion of the Subject Property from the north boundary.

PHOTO NO. 6: View of the tennis courts on the north portion of the Subject Property from the south boundary.

SME Project No.	091564.00.004
Photographs by:	Ben Chenoweth
Date:	January 29, 2024
Project:	Tennis Courts, and Grass-covered and Wooded Land
Location:	Wilson Road and Twin Creeks Drive, Columbus, Ohio

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PHOTO NO. 7: View of the wooded area from the east Subject Property boundary.

PHOTO NO. 8: View of a creek on the north-central portion of the Subject Property.

SME Project No.	091564.00.004
Photographs by:	Ben Chenoweth
Date:	January 29, 2024
Project:	Tennis Courts, and Grass-covered and Wooded Land
Location:	Wilson Road and Twin Creeks Drive, Columbus, Ohio

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PHOTO NO. 9: View of vegetated soil mounds near the center of the Subject Property.

PHOTO NO. 10: View of construction debris piles near the center of the Subject Property.

SME Project No.	091564.00.004
Photographs by:	Ben Chenoweth
Date:	January 29, 2024
Project:	Tennis Courts, and Grass-covered and Wooded Land
Location:	Wilson Road and Twin Creeks Drive, Columbus, Ohio

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PHOTO NO. 11: View of an unknown plastic pipe feature located on the central portion of the Subject Property.

PHOTO NO. 12: View of a pile of blue granular material near the center of the Subject Property.

SME Project No.	091564.00.004
Photographs by:	Ben Chenoweth
Date:	January 29, 2024
Project:	Tennis Courts, and Grass-covered and Wooded Land
Location:	Wilson Road and Twin Creeks Drive, Columbus, Ohio

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PHOTO NO. 13: View of the east-adjoining residential development, beyond the creek.

PHOTO NO. 14: View of the south-adjoining wooded land with residential development beyond.

SME Project No.	091564.00.004
Photographs by:	Ben Chenoweth
Date:	January 29, 2024
Project:	Tennis Courts, and Grass-covered and Wooded Land
Location:	Wilson Road and Twin Creeks Drive, Columbus, Ohio

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PHOTO NO. 15: View of the west-adjoining residential development.

PHOTO NO. 16: View of the north-adjoining residential development.

SME Project No.	091564.00.004
Photographs by:	Ben Chenoweth
Date:	January 29, 2024
Project:	Tennis Courts, and Grass-covered and Wooded Land
Location:	Wilson Road and Twin Creeks Drive, Columbus, Ohio

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APPENDIX B
HISTORICAL RESEARCH DOCUMENTATION

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Owner Name	ROCO-HILLIARD ANNEX LLC	**Prop. Class**	C - Commercial
		Land Use	403 - APARTMENTS 40+ FAMILY
Site Address	0 WILSON RD	**Tax District**	570 - COLUMBUS-SOUTHWESTEI
		Sch. District	2511 - SOUTH WESTERN CSD
		App Nbrhd	X0400
LegalDescriptions	WILSON ROAD MON-E-BAK FARMS 0.716 ACRES	**CAUV**	N
		Owner Occ Cred.	N
Owner Address	33 BLOOMFIELD PKWY STE#135 BLOOMFIELD HILLS MI 48304	**Annual Taxes**	2,809.84
		Taxes Paid	7,782.10
		Board of Revision	No
		CDQ	2016

	Current Market Value			Taxable Value		
	Land	**Improv**	**Total**	**Land**	**Improv**	**Total**
BASE	$57,100	$0	$57,100	$19,990	$0	$19,990
TIF	$71,700	$0	$71,700	$25,100	$0	$25,100
Exempt	$0	$0	$0	$0	$0	$0
Total	$128,800	$0	$128,800	$45,090	$0	$45,090
CAUV	$0					

Sales

Date	Grantor	Convey No.	Convey Typ	# Parcels	Sales Price
01/16/2024	ROCO-HILLIARD ANNEX LLC	(570)1	CB	1	0
11/30/2015	ROCO-HILLIARD ANNEX LLC	00024071	LW	3	100,000
09/19/2014	HILLIARD VILLAGE HOLDINGS	910395-M	LE	3	0
05/31/2013	HILLIARD VILLAGE	9731	LW	5	10,110,638
02/01/2008	AUDUBON ROAD ASSOCIATES LLC,	901244-M	SP	5	0
09/01/1999	CROMWELL ASSOCIATES L L C	20248	SW	5	11,363,000
12/23/1996	PS II REAL ESTATE LP	911059-M	LW	5	0
10/25/1993		19692	SH	3	5,045,295
01/05/1987				1	0

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Land

Lot Type	Act Front	Eff Front	Eff Depth	Acres
A1-ACREAGE				.72
G1-GROSS				
G1-GROSS				

Site Characteristics

Property Status	Developed	**Exccess Frontage**	No
Neighborhood	X0400	**Alley**	No
Elevation	Street Level	**Sidewalk**	No
Terrain	Flat	**Corner Lot**	No
Street/Road	Paved	**Wooded Lot**	No
Traffic	Normal	**Water Front**	No
Irregular Shape	No	**View**	No

Building Data

Use Code	-	**Rooms**		**Level 1**	
Style		**Dining Rms**		**Level 2**	
Exterior Wall Typ	-	**Bedrms**		**Level 3+**	
Year Built		**Family Rms**		**Attic**	
Year Remodeled		**Full Baths**		**Fin. Area Above Grd**	
Effective Year		**Half Baths**		**Fin. Area Below Grd**	
Stories		**Basement**		**Fin. Area**	
Condition		**Unfin Area Sq Ft**			
Attic		**Rec Room Sq Ft**			
Heat/AC					
Fixtures					
Wood Fire	0 / 0				
Garage Spaces					

Improvements

Type	Year Blt	Eff Year Blt	Condition	Size	Area

Permits

Date	Est. Cost	Description

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570-207187 07/24/2022

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Sorry, no sketch available for this record

Sketch Legend

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Tax Status

Property Class	C - Commercial
Land Use	403 - APARTMENTS 40+ FAMILY
Tax District	570 - COLUMBUS-SOUTHWESTERN
Net Annual Tax	2,809.84
Taxes Paid	7,782.10
CDQ Year	2016

Current Year Tax Rates

Full Rate	94.93
Reduction Factor	0.343558
Effective Rate	62.316095
Non Business Rate	0.094483
Owner Occ. Rate	0.02362

	Current Market Value			Taxable Value		
	Land	**Improv**	**Total**	**Land**	**Improv**	**Total**
BASE	$57,100	$0	$57,100	$19,990	$0	$19,990
TIF	$71,700	$0	$71,700	$25,100	$0	$25,100
Exempt	$0	$0	$0	$0	$0	$0
Total	$128,800	$0	$128,800	$45,090	$0	$45,090
CAUV	$0					

Tax Year Detail

	Annual	**Adjustment**	**Payment**	**Total**
Original Tax	4,280.40	0.00		
Reduction	-1,470.56	0.00		
Adjusted Tax	2,809.84	0.00		
Non-Business Credit	0.00	0.00		
Owner Occupancy Credit	0.00	0.00		
Homestead Credit	0.00	0.00		
Net Annual	2,809.84	0.00	1,404.92	1,404.92
Prior	3,897.97	0.00	3,897.97	0.00
Penalty	1,779.44	0.00	1,779.44	0.00
Interest	1,656.95	0.00	699.77	957.18
SA	0.00	0.00	0.00	0.00
Total	10,144.20	0.00	7,782.10	2,362.10
1st Half	8,739.28	0.00	7,782.10	957.18
2nd Half	1,404.92	0.00	0.00	1,404.92
Future				

Special Assessment (SA) Detail

Annual	**Adjustment**	**Payment**	**Total**

Disclaimer: The information on this web site is prepared from the real property inventory maintained by the Franklin County Auditor's Office. Users of this data are notified that the primary information source should be consulted for verification of the information contained on this site. The county and vendors assume no legal responsibilities for the information contained on this site. Please notify the Franklin County Auditor's Real Estate Division of any discrepancies.

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Payment History

Date	Tax Year	Bill Type	Amount
01/23/2024	2023	TIF / 90-327	$ 782.07
01/23/2024	2023	Tax	$ 622.85
01/16/2024	2023	TIF / 90-327	$ 39.47
01/16/2024	2023	Tax	$ 1,365.45
12/20/2023	2023	TIF / 90-327	$ 41.43
12/20/2023	2023	Tax	$ 787.28
11/18/2023	2023	TIF / 90-327	$ 207.18
11/18/2023	2023	Tax	$ 3,936.37
06/20/2023	2022	TIF / 90-327	$ 140.00
06/20/2023	2022	Tax	$ 590.15
06/16/2023	2022	TIF / 90-327	$ 4.93
06/16/2023	2022	Tax	$ 93.63
05/12/2023	2022	TIF / 90-327	$ 41.44
05/12/2023	2022	Tax	$ 787.27
04/14/2023	2022	TIF / 90-327	$ 41.44
04/14/2023	2022	Tax	$ 787.27
03/20/2023	2022	TIF / 90-327	$ 41.44
03/20/2023	2022	Tax	$ 787.27
02/01/2023	2022	TIF / 90-327	$ 41.44
02/01/2023	2022	Tax	$ 787.27
01/31/2023	2022	Tax	$ 111.27
01/27/2023	2022	TIF / 90-327	$ 140.00
01/27/2023	2022	Tax	$ 701.42
01/24/2023	2022	TIF / 90-327	$ 41.44
01/24/2023	2022	Tax	$ 787.27
01/23/2023	2022	TIF / 90-327	$ 84.15
01/23/2023	2022	Tax	$ 1,598.69
12/15/2022	2022	TIF / 90-327	$ 41.44
12/15/2022	2022	Tax	$ 787.27
11/21/2022	2022	TIF / 90-327	$ 41.44
11/21/2022	2022	Tax	$ 787.27

Tax Distribution

County	
General Fund	$29.38
Children's Services	$71.45
Alcohol, Drug, & Mental Health	$42.55
FCBDD	$100.03
Metro Parks	$14.59
Columbus Zoo	$10.72
Senior Options	$25.01
Columbus State	$6.40
School District	$868.51
School District (TIF)	$1,090.53
Township	$.00
Township (TIF)	$.00
Park District	$.00
Vocational School	$.00
Vocational School (TIF)	$.00
City / Village	$62.77
City / Village (TIF)	$473.61
Library	$14.29

BOR Case Status

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Rental Contact

Owner / Contact Name
Business Name
Title
Contact Address1
Contact Address2
City
Zip Code
Phone Number

Last Updated

CAUV Status

CAUV Status	No
CAUV Application Received	No

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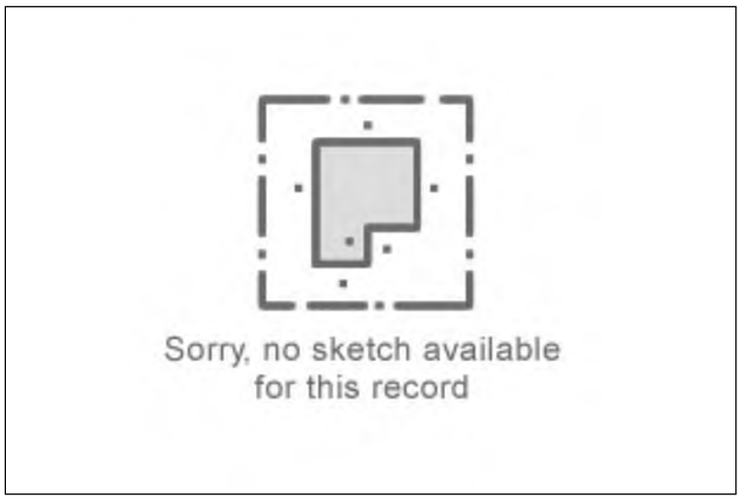
Franklin County Auditor - Michael Stinziano 560-129800-00

Owner Name	ROCO-HILLIARD ANNEX LLC	**Prop. Class**	C - Commercial
		Land Use	403 - APARTMENTS 40+ FAMILY
Site Address	3400 TWIN CREEKS DR	**Tax District**	560 - COLUMBUS-HILLIARD CSD
		Sch. District	2510 - HILLIARD CSD
		App Nbrhd	X0400
LegalDescriptions	1385 CARTER CT	**Tax Lein**	No
	ENTRY 875	**CAUV Property**	No
	.582 AC LOT 4	**Owner Occ. Credit**	2023: No 2024: No
		Homestead Credit	2023: No 2024: No
		Rental Registration	No
Owner Address	33 BLOOMFIELD PKWY STE#135	**Board of Revision**	No
	BLOOMFIELD HILLS MI 48304	**Zip Code**	43204
		Annual Taxes	796.46
Transfer Date	11/30/2015	**Taxes Paid**	3,576.09
Transfer Price	100,000.00	**Calculated Acreage**	.36
Instrument Type	LW	**Legal Acreage**	.00

	Current Market Value			Taxable Value		
	Land	**Improv**	**Total**	**Land**	**Improv**	**Total**
Base	$27,600	$0	$27,600	$9,660	$0	$9,660
TIF	$3,800	$0	$3,800	$1,330	$0	$1,330
Exempt	$0	$0	$0	$0	$0	$0
Total	$31,400	$0	$31,400	$10,990	$0	$10,990
CAUV	$0					

Building Data

N/A



Sketch Legend

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DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Franklin County Auditor – Michael Stinziano **570-129822-00**

Owner Name	ROCO-HILLIARD ANNEX LLC	**Prop. Class**	C - Commercial
		Land Use	400 - VACANT COMMERCIAL LAN
Site Address	0 WILSON RD	**Tax District**	570 - COLUMBUS-SOUTHWESTEI
		Sch. District	2511 - SOUTH WESTERN CSD
		App Nbrhd	X0400
LegalDescriptions	WILSON RD 16.873 AC MON-E-BAK FARMS LOT RES	**CAUV**	N
		Owner Occ Cred.	N
Owner Address	33 BLOOMFIELD PKWY STE#135 BLOOMFIELD HILLS MI 48304	**Annual Taxes**	13,383.02
		Taxes Paid	49,667.94
		Board of Revision	No
		CDQ	2018

	Current Market Value			Taxable Value		
	Land	**Improv**	**Total**	**Land**	**Improv**	**Total**
BASE	$533,600	$0	$533,600	$186,760	$0	$186,760
TIF	$80,000	$0	$80,000	$28,000	$0	$28,000
Exempt	$0	$0	$0	$0	$0	$0
Total	$613,600	$0	$613,600	$214,760	$0	$214,760
CAUV	$0					

Sales

Date	Grantor	Convey No.	Convey Typ	# Parcels	Sales Price
01/16/2024	ROCO-HILLIARD ANNEX LLC	(570)1	CB	1	0
11/30/2015	ROCO-HILLIARD ANNEX LLC	00024071	LW	3	100,000
09/19/2014	HILLIARD VILLAGE HOLDINGS	910395-M	LE	3	0
05/31/2013	HILLIARD VILLAGE	9731	LW	5	10,110,638
02/01/2008	AUDUBON ROAD ASSOCIATES LLC,	901244-M	SP	5	0
09/01/1999	CROMWELL ASSOCIATES L L C	20248	SW	5	11,363,000
12/23/1996	PS II REAL ESTATE LP	911059-M	LW	5	0
10/13/1994		20989	SH	2	244,000
06/12/1992		9642		2	100,000

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Land

Lot Type	Act Front	Eff Front	Eff Depth	Acres
A4-ACREAGE				16.87
G1-GROSS				
G1-GROSS				

Site Characteristics

Property Status	Developed	**Exccess Frontage**	No
Neighborhood	X0400	**Alley**	No
Elevation	Street Level	**Sidewalk**	No
Terrain	Flat	**Corner Lot**	No
Street/Road	Paved	**Wooded Lot**	No
Traffic	Heavy	**Water Front**	No
Irregular Shape	No	**View**	No

Building Data

Use Code	-	**Rooms**		**Level 1**	
Style		**Dining Rms**		**Level 2**	
Exterior Wall Typ	-	**Bedrms**		**Level 3+**	
Year Built		**Family Rms**		**Attic**	
Year Remodeled		**Full Baths**		**Fin. Area Above Grd**	
Effective Year		**Half Baths**		**Fin. Area Below Grd**	
Stories		**Basement**		**Fin. Area**	
Condition		**Unfin Area Sq Ft**			
Attic		**Rec Room Sq Ft**			
Heat/AC					
Fixtures					
Wood Fire	0 / 0				
Garage Spaces					

Improvements

Type	Year Blt	Eff Year Blt	Condition	Size	Area

Permits

Date	Est. Cost	Description

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570-129822 07/24/2022

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Sorry, no sketch available for this record

Sketch Legend

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DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Tax Status

Property Class	C - Commercial
Land Use	400 - VACANT COMMERCIAL LAND
Tax District	570 - COLUMBUS-SOUTHWESTERN
Net Annual Tax	13,383.02
Taxes Paid	49,667.94
CDQ Year	2018

Current Year Tax Rates

Full Rate	94.93
Reduction Factor	0.343558
Effective Rate	62.316095
Non Business Rate	0.094483
Owner Occ. Rate	0.02362

	Current Market Value			Taxable Value		
	Land	**Improv**	**Total**	**Land**	**Improv**	**Total**
BASE	$533,600	$0	$533,600	$186,760	$0	$186,760
TIF	$80,000	$0	$80,000	$28,000	$0	$28,000
Exempt	$0	$0	$0	$0	$0	$0
Total	$613,600	$0	$613,600	$214,760	$0	$214,760
CAUV	$0					

Tax Year Detail

	Annual	**Adjustment**	**Payment**	**Total**
Original Tax	20,387.16	0.00		
Reduction	-7,004.14	0.00		
Adjusted Tax	13,383.02	0.00		
Non-Business Credit	0.00	0.00		
Owner Occupancy Credit	0.00	0.00		
Homestead Credit	0.00	0.00		
Net Annual	13,383.02	0.00	6,691.51	6,691.51
Prior	34,997.56	0.00	34,997.56	0.00
Penalty	11,624.87	0.00	7,978.87	3,646.00
Interest	6,679.95	0.00	0.00	6,679.95
SA	0.00	0.00	0.00	0.00
Total	66,685.40	0.00	49,667.94	17,017.46
1st Half	59,993.89	0.00	49,667.94	10,325.95
2nd Half	6,691.51	0.00	0.00	6,691.51
Future				

Special Assessment (SA) Detail

Annual	**Adjustment**	**Payment**	**Total**

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Payment History

Date	Tax Year	Bill Type	Amount
01/23/2024	2023	TIF / 90-327	$ 872.43
01/23/2024	2023	Tax	$ 5,819.08
01/16/2024	2023	TIF / 90-327	$ 1,041.59
01/16/2024	2023	Tax	$ 10,833.48
12/20/2023	2023	TIF / 90-327	$ 1,030.11
12/20/2023	2023	Tax	$ 4,153.45
11/18/2023	2023	TIF / 90-327	$ 1,392.12
11/18/2023	2023	Tax	$ 24,525.68
06/20/2023	2022	Tax	$ 5,183.56
05/12/2023	2022	TIF / 90-327	$ 278.42
05/12/2023	2022	Tax	$ 4,905.14
04/14/2023	2022	TIF / 90-327	$ 278.42
04/14/2023	2022	Tax	$ 4,905.14
03/20/2023	2022	TIF / 90-327	$ 278.42
03/20/2023	2022	Tax	$ 4,905.14
02/01/2023	2022	TIF / 90-327	$ 278.42
02/01/2023	2022	Tax	$ 4,905.14
01/24/2023	2022	TIF / 90-327	$ 278.42
01/24/2023	2022	Tax	$ 4,905.14
01/23/2023	2022	TIF / 90-327	$ 809.51
01/23/2023	2022	Tax	$ 14,261.79
12/15/2022	2022	TIF / 90-327	$ 199.63
12/15/2022	2022	Tax	$ 3,517.03
11/21/2022	2022	TIF / 90-327	$ 278.42
11/21/2022	2022	Tax	$ 4,905.14

Tax Distribution

County	
General Fund	$274.54
Children's Services	$667.53
Alcohol, Drug, & Mental Health	$397.52
FCBDD	$934.55
Metro Parks	$136.35
Columbus Zoo	$100.13
Senior Options	$233.64
Columbus State	$59.76
School District	$8,114.19
School District (TIF)	$1,216.53
Township	$.00
Township (TIF)	$.00
Park District	$.00
Vocational School	$.00
Vocational School (TIF)	$.00
City / Village	$586.43
City / Village (TIF)	$528.33
Library	$133.52

BOR Case Status

Rental Contact

Owner / Contact Name
Business Name
Title
Contact Address1

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Contact Address2
City
Zip Code
Phone Number

Last Updated

CAUV Status

CAUV Status	No
CAUV Application Received	No

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ERIS

HISTORICAL AERIALS

Project Property: Kittle Wilson Road
091564.00 Kittle Wilson Road
Columbus OH 43204

Project No: 091564.00

Requested By: SME-USA

Order No: 22120101172

Date Completed: December 05,2022

Aerial Maps included in this report are produced by the sources listed above and are to be used for research purposes including a phase I report. Maps are not to be resold as commercial property. ERIS provides no warranty of accuracy or liability. The information contained in this report has been produced using aerial photos listed in above sources by ERIS Information Inc. (in the US) and ERIS Information Limited Partnership (in Canada), both doing business as 'ERIS'. The maps contained in this report do not purport to be and do not constitute a guarantee of the accuracy of the information contained herein. Although ERIS has endeavored to present information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.

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DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Date	Source	Scale	Comments
2021	United States Department of Agriculture	1" = 500'	
2019	United States Department of Agriculture	1" = 500'	
2017	United States Department of Agriculture	1" = 500'	
2015	United States Department of Agriculture	1" = 500'	
2013	United States Department of Agriculture	1" = 500'	
2011	United States Department of Agriculture	1" = 500'	
2010	United States Department of Agriculture	1" = 500'	
2009	United States Department of Agriculture	1" = 500'	
2006	United States Department of Agriculture	1" = 500'	
2005	United States Department of Agriculture	1" = 500'	
2004	United States Department of Agriculture	1" = 500'	
1994	United States Geological Survey	1" = 500'	
1985	United States Geological Survey	1" = 500'	
1980	United States Geological Survey	1" = 500'	
1972	Ohio Department of Transportation	1" = 500'	
1963	United States Geological Survey	1" = 500'	
1953	United States Geological Survey	1" = 500'	
1947	Ohio Department of Transportation	1" = 500'	
1938	Agricultural Stabilization & Conserv. Service	1" = 500'	

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Year: 2021
Source: USDA
Scale: 1" = 500'
Comment:

Address: 091564.00 Kittle Wilson Road, Columbus, OH
Approx Center: -83.09681009,39.98039156

Order No: 22120101172

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Year: 2019
Source: USDA
Scale: 1" = 500'
Comment:

Address: 091564.00 Kittle Wilson Road, Columbus, OH
Approx Center: -83.09681009,39.98039156

Order No: 22120101172

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Year: 2017
Source: USDA
Scale: 1" = 500'
Comment:

Address: 091564.00 Kittle Wilson Road, Columbus, OH
Approx Center: -83.09681009,39.98039156

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Year: 2015
Source: USDA
Scale: 1" = 500'
Comment:

Address: 091564.00 Kittle Wilson Road, Columbus, OH
Approx Center: -83.09681009,39.98039156

Order No: 22120101172

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Year: 2013
Source: USDA
Scale: 1" = 500'
Comment:

Address: 091564.00 Kittle Wilson Road, Columbus, OH
Approx Center: -83.09681009,39.98039156

Order No: 22120101172

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Year: 2011
Source: USDA
Scale: 1" = 500'
Comment:

Address: 091564.00 Kittle Wilson Road, Columbus, OH
Approx Center: -83.09681009,39.98039156

Order No: 22120101172

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Year: 2010
Source: USDA
Scale: 1" = 500'
Comment:

Address: 091564.00 Kittle Wilson Road, Columbus, OH
Approx Center: -83.09681009,39.98039156

Order No: 22120101172

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DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Year: 2009
Source: USDA
Scale: 1" = 500'
Comment:

Address: 091564.00 Kittle Wilson Road, Columbus, OH
Approx Center: -83.09681009,39.98039156

Order No: 22120101172

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Year: 2006
Source: USDA
Scale: 1" = 500'
Comment:

Address: 091564.00 Kittle Wilson Road, Columbus, OH
Approx Center: -83.09681009,39.98039156

Order No: 22120101172

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Year: 2005
Source: USDA
Scale: 1" = 500'
Comment:

Address: 091564.00 Kittle Wilson Road, Columbus, OH
Approx Center: -83.09681009,39.98039156

Order No: 22120101172

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Year: 2004
Source: USDA
Scale: 1" = 500'
Comment:

Address: 091564.00 Kittle Wilson Road, Columbus, OH
Approx Center: -83.09681009,39.98039156

Order No: 22120101172

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Year: 1994
Source: USGS
Scale: 1" = 500'
Comment:

Address: 091564.00 Kittle Wilson Road, Columbus, OH
Approx Center: -83.09681009,39.98039156

Order No: 22120101172

ERIS

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Year: 1985
Source: USGS
Scale: 1" = 500'
Comment:

Address: 091564.00 Kittle Wilson Road, Columbus, OH
Approx Center: -83.09681009,39.98039156

Order No: 22120101172

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DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Year: 1980
Source: USGS
Scale: 1" = 500'
Comment:

Address: 091564.00 Kittle Wilson Road, Columbus, OH
Approx Center: -83.09681009,39.98039156

Order No: 22120101172

ERIS

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Year: 1972
Source: ODOT
Scale: 1" = 500'
Comment:

Address: 091564.00 Kittle Wilson Road, Columbus, OH
Approx Center: -83.09681009,39.98039156

Order No: 22120101172

ERIS

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Year: 1963
Source: USGS
Scale: 1" = 500'
Comment:

Address: 091564.00 Kittle Wilson Road, Columbus, OH
Approx Center: -83.09681009,39.98039156

Order No: 22120101172

ERIS

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Year: 1953
Source: USGS
Scale: 1" = 500'
Comment:

Address: 091564.00 Kittle Wilson Road, Columbus, OH
Approx Center: -83.09681009,39.98039156

Order No: 22120101172

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DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Year: 1947
Source: ODOT
Scale: 1" = 500'
Comment:

Address: 091564.00 Kittle Wilson Road, Columbus, OH
Approx Center: -83.09681009,39.98039156

Order No: 22120101172

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DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Year: 1938
Source: ASCS
Scale: 1" = 500'
Comment:

Address: 091564.00 Kittle Wilson Road, Columbus, OH
Approx Center: -83.09681009,39.98039156

Order No: 22120101172

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DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

FIRE INSURANCE MAPS

Project Property:	Kittle Wilson Road 091564.00 Kittle Wilson Road Columbus OH 43204
Project No:	091564.00
Requested By:	SME-USA
Order No:	22120101172
Date Completed:	December 02, 2022

Please note that no information was found for your site or adjacent properties.

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ERIS

TOPOGRAPHIC MAPS

Project Property:	Kittle Wilson Road 091564.00 Kittle Wilson Road Columbus OH 43204
Project No:	091564.00
Requested By:	SME-USA
Order No:	22120101172
Date Completed:	December 02, 2022

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We have searched USGS collections of current topographic maps and historical topographic maps for the project property. Below is a list of maps found for the project property and adjacent area. Maps are from 7.5 and 15 minute topographic map series, if available.

Year	Map Series
2019	7.5
2016	7.5
2013	7.5
1995	7.5
1984	7.5
1982	7.5
1973	7.5
1965	7.5
1955	7.5
1925	15
1923	15

Topographic Map Symbology for the maps may be available in the following documents:

Pre-1947

Page 223 of 1918 Topographic Instructions

Page 130 of 1928 Topographic Instructions

1947-2009

Topographic Map Symbols

2009-present

US Topo Map Symbols

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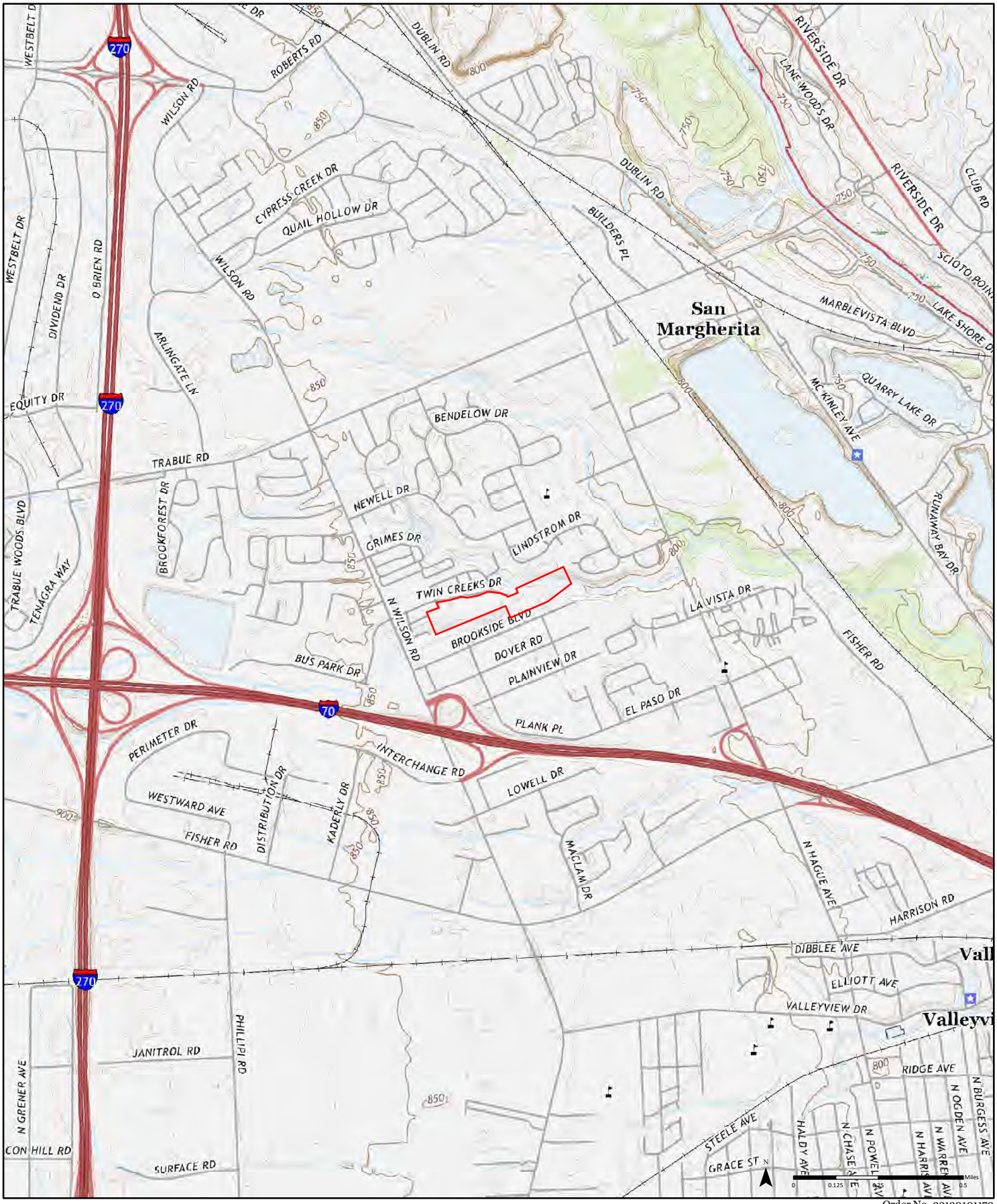
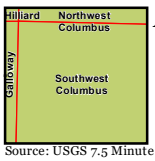
DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415



Order No. 22120101172

2019



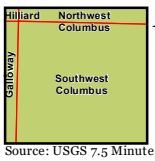
Available Quadrangle(s): Southwest Columbus, OH
Galloway, OH
Hilliard, OH
Northwest Columbus, OH

Source: USGS 7.5 Minute Topographic Map

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Order No. 22120101172

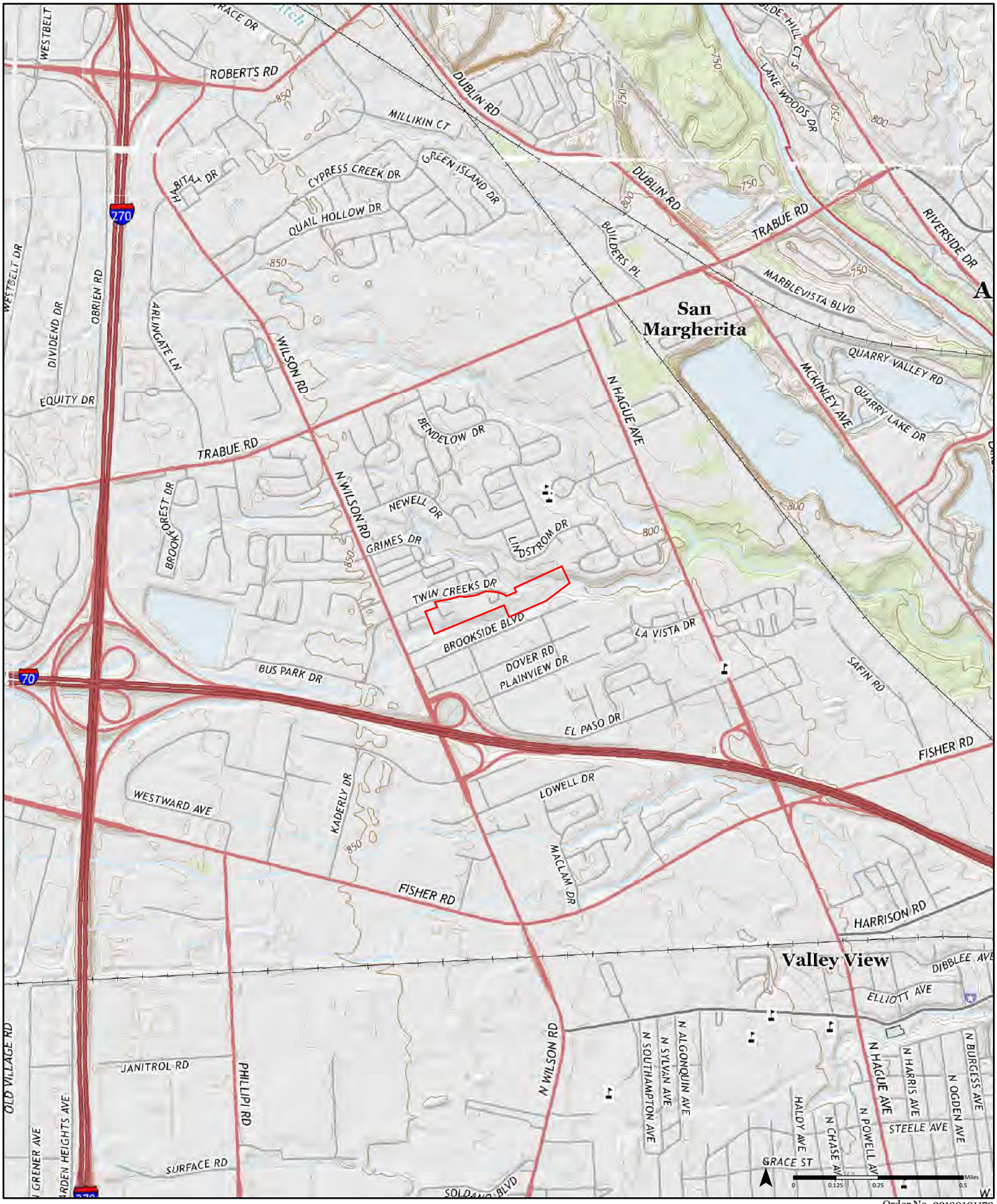
2016



Available Quadrangle(s): Southwest Columbus, OH
Galloway, OH
Northwest Columbus, OH
Hilliard, OH

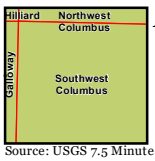
Source: USGS 7.5 Minute Topographic Map

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415



Order No. 22120101172

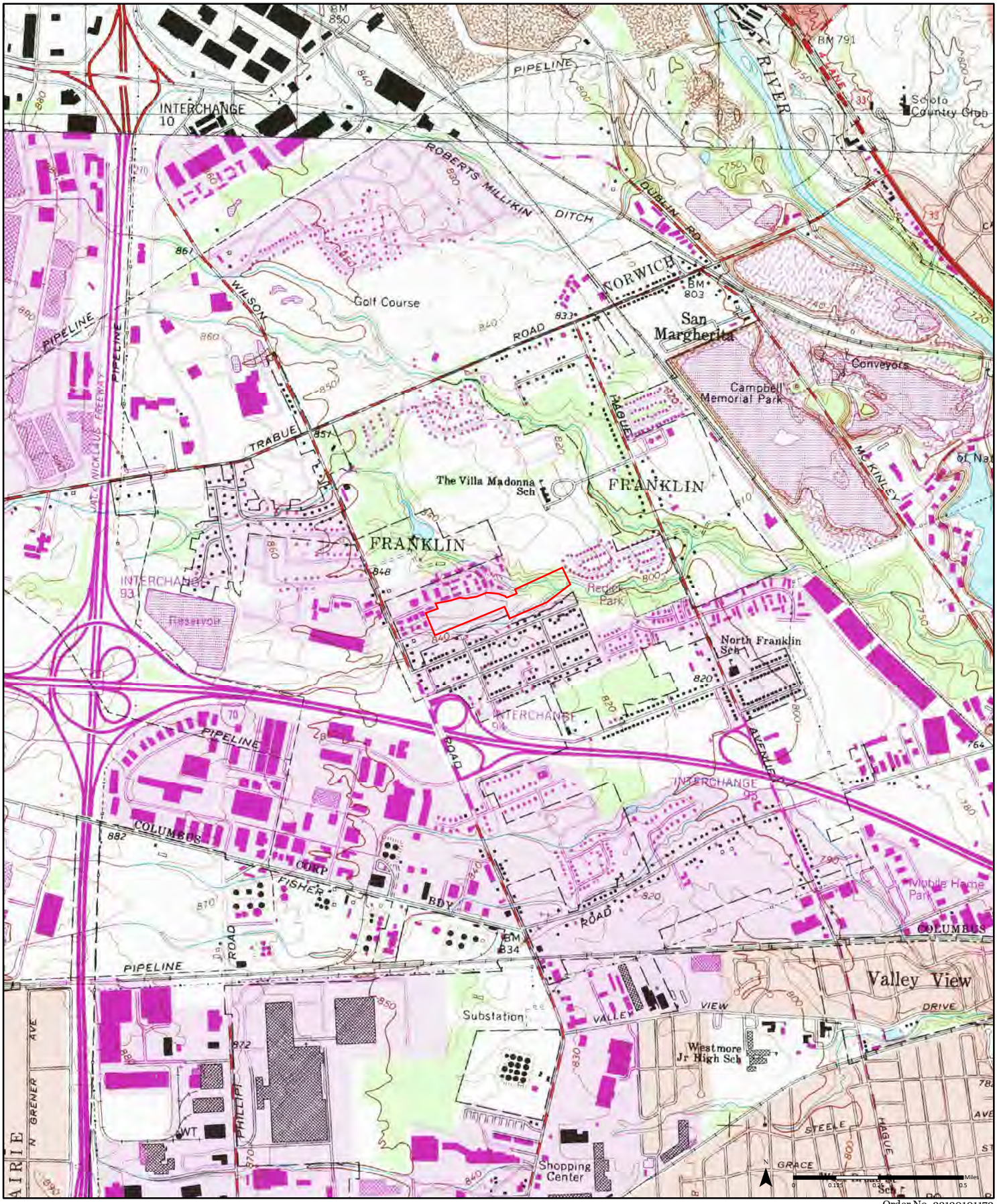
2013



Available Quadrangle(s): Southwest Columbus, OH
Hilliard, OH
Northwest Columbus, OH
Galloway, OH

Source: USGS 7.5 Minute Topographic Map

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415



Order No. 22120101172

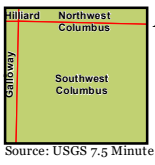
1995

(1-1995) *Aerial Photo Year: 1995*

(2-1973) *Aerial Photo Year: 1973*
Photo Revision Year: 1973

(3-1995) *Aerial Photo Year: 1992*
Photo Revision Year: 1995

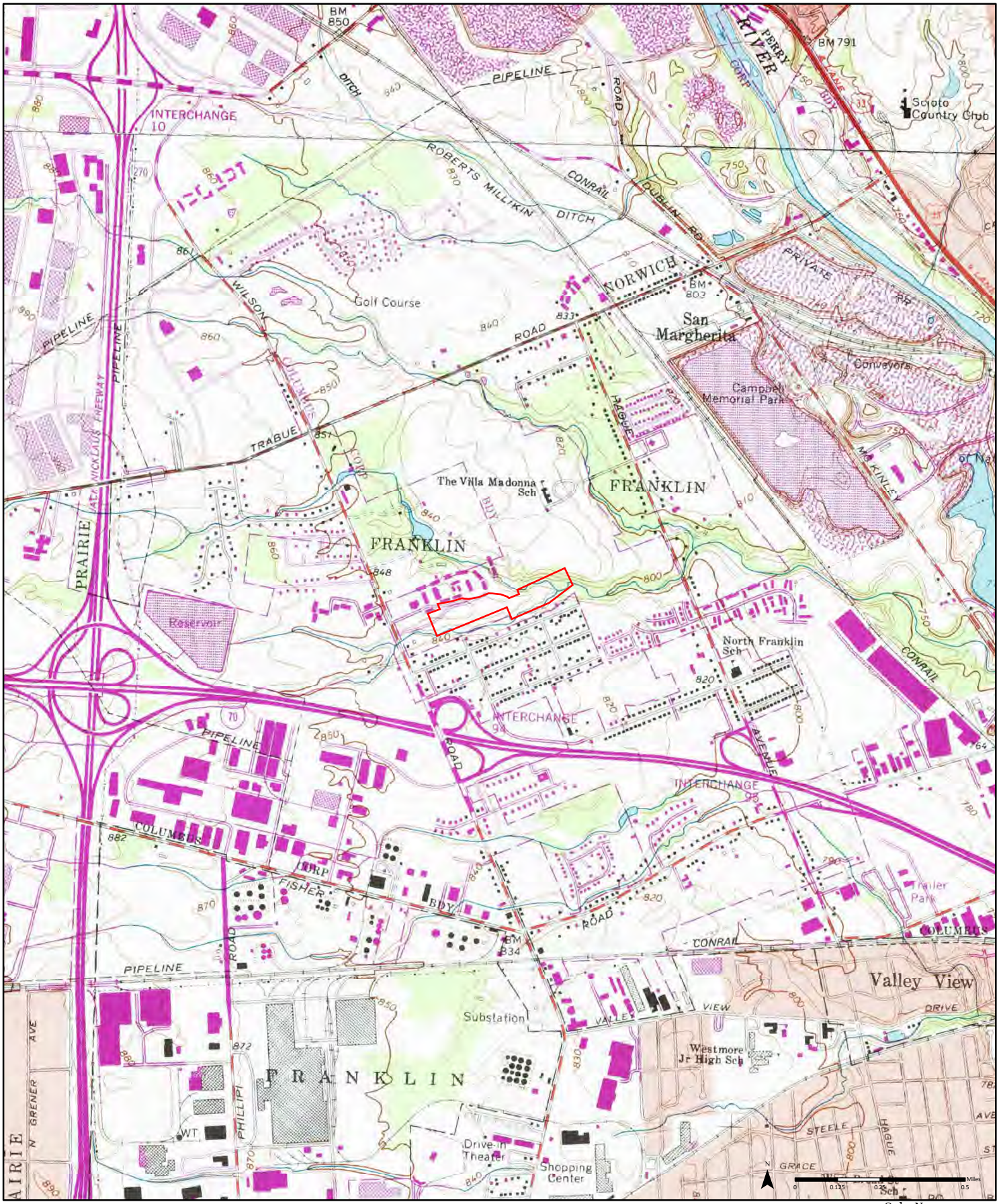
(4-1984) *Aerial Photo Year: 1973*
Photo Revision Year: 1973



Available Quadrangle(s): Southwest Columbus, OH(3-1995)
Northwest Columbus, OH(1-1995)
Galloway, OH(2-1973)
Hilliard, OH(4-1984)

Source: USGS 7.5 Minute Topographic Map

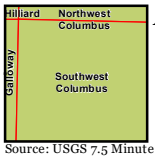
DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415



1984

(1-1984)	(2-1982)	(3-1973)	(4-1984)
Aerial Photo Year: 1979	*Aerial Photo Year: 1980*	*Aerial Photo Year: 1973*	*Aerial Photo Year: 1973*
Photo Revision Year: 1982	*Photo Revision Year: 1982*	*Photo Revision Year: 1973*	*Photo Revision Year: 1973*

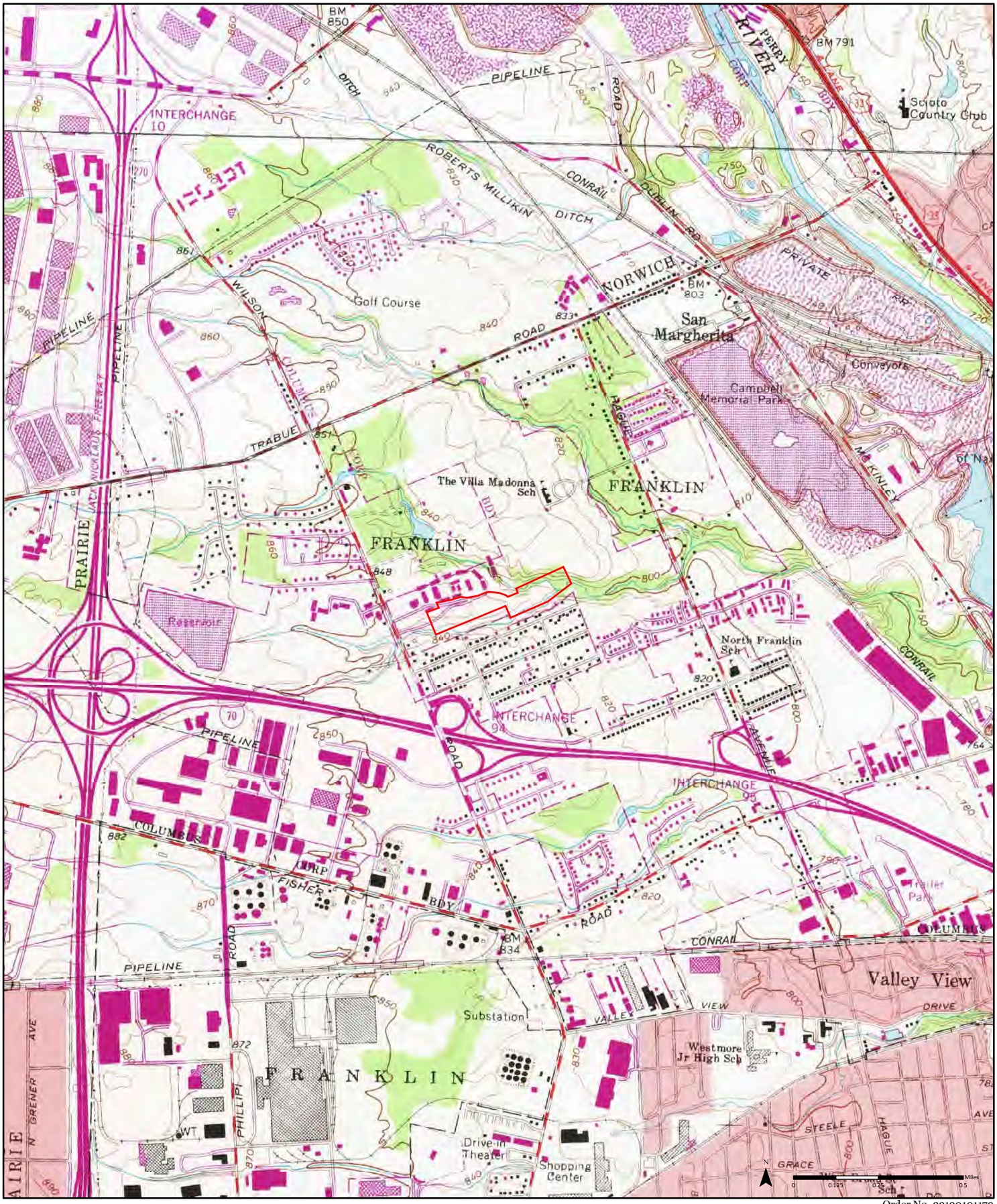
Order No. 22120101172



Available Quadrangle(s): Southwest Columbus, OH(1-1984)
Northwest Columbus, OH(2-1982)
Galloway, OH(3-1973)
Hilliard, OH(4-1984)

Source: USGS 7.5 Minute Topographic Map

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415



1982

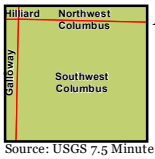
(1-1982) *Aerial Photo Year: 1979* *Photo Revision Year: 1982*

(2-1982) *Aerial Photo Year: 1980* *Photo Revision Year: 1982*

(3-1973) *Aerial Photo Year: 1973* *Photo Revision Year: 1973*

(4-1973) *Aerial Photo Year: 1973* *Photo Revision Year: 1973*

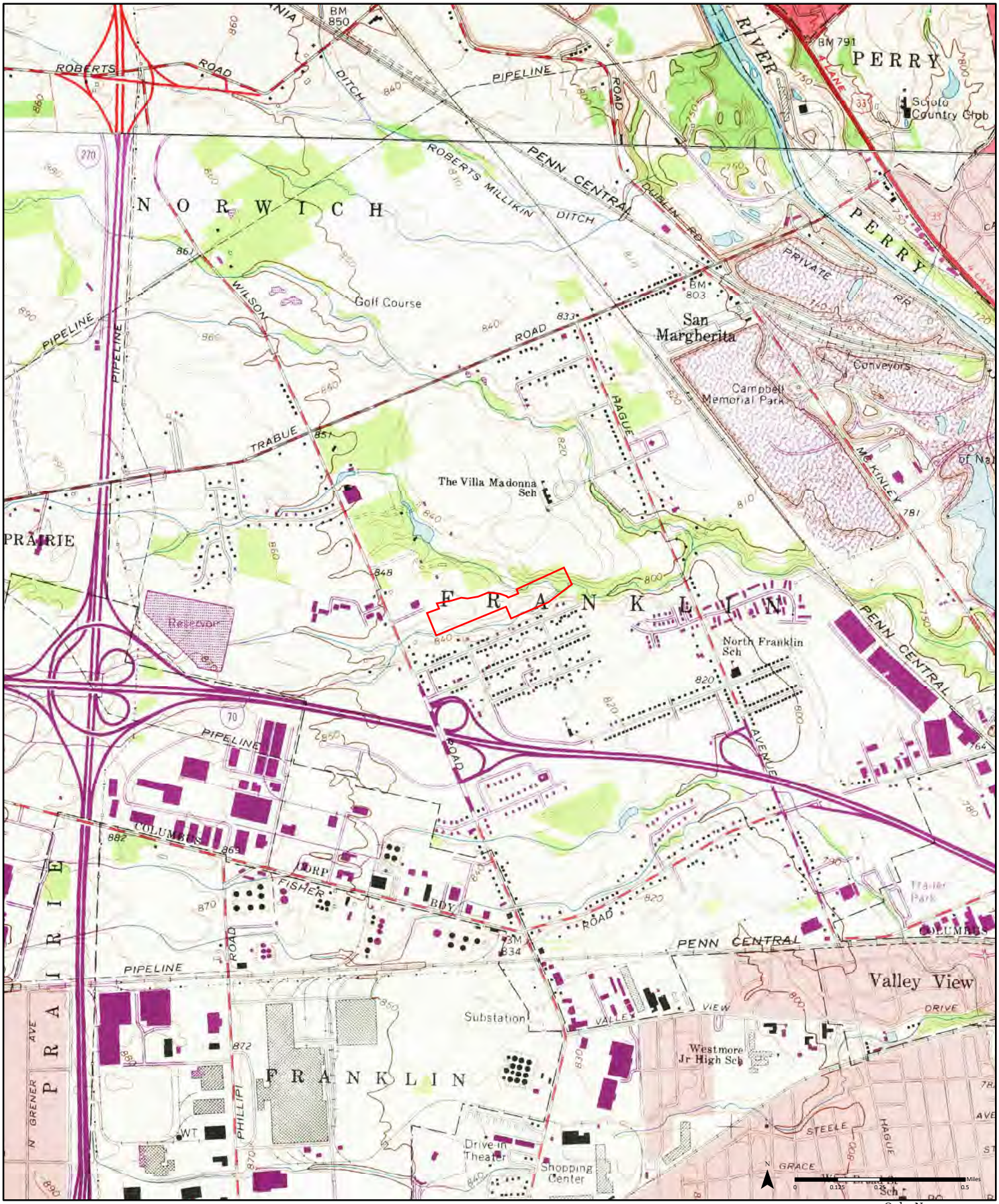
Order No. 22120101172



Available Quadrangle(s): Southwest Columbus, OH(1-1982)
Northwest Columbus, OH(2-1982)
Galloway, OH(3-1973)
Hilliard, OH(4-1973)

Source: USGS 7.5 Minute Topographic Map

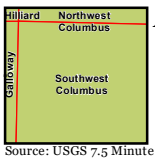
DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415



Order No. 22120101172

1973

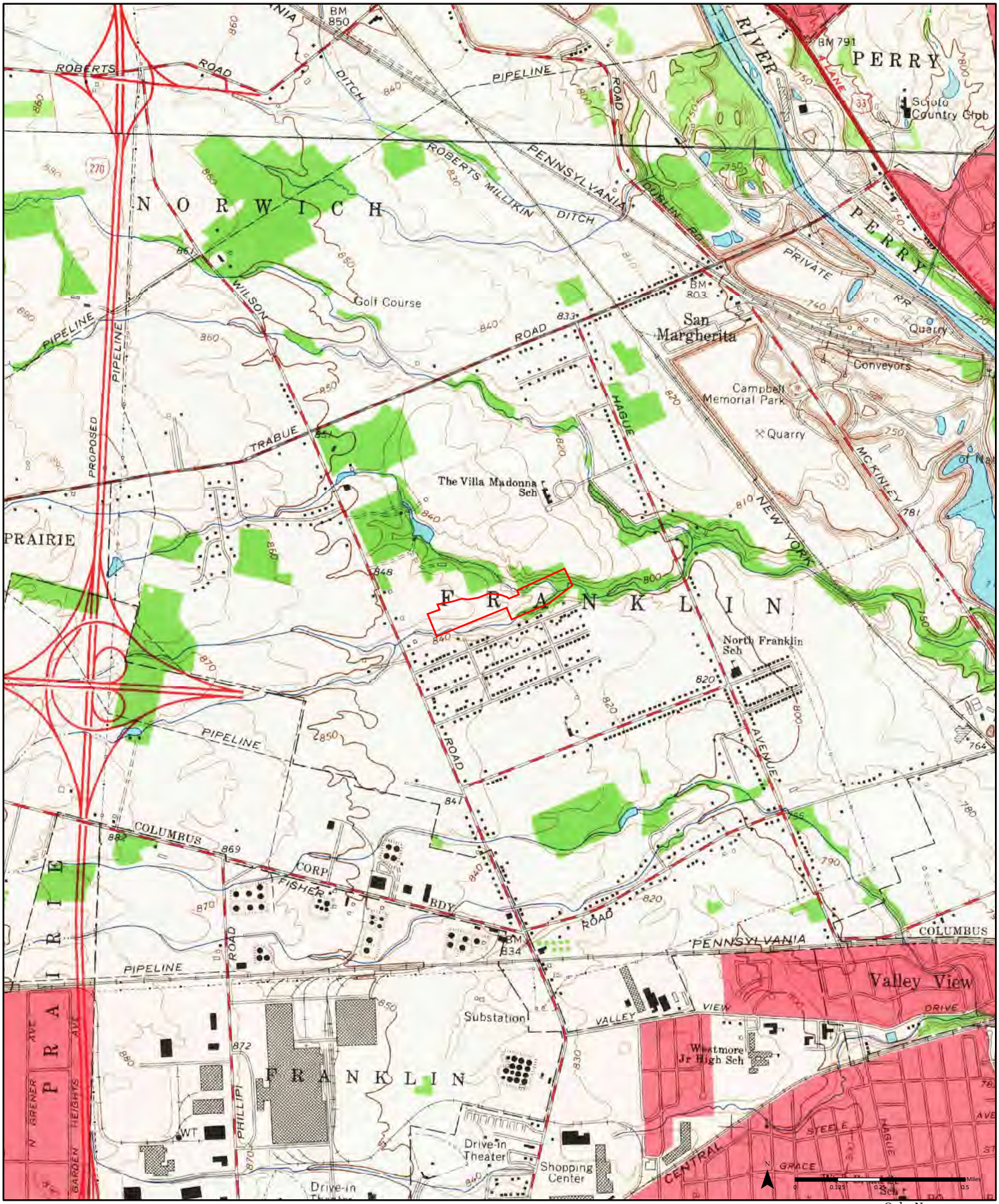
(1-1965)	(2-1973)	(3-1973)	(4-1973)
Aerial Photo Year: 1953	*Aerial Photo Year: 1973* *Photo Revision Year: 1973*	*Aerial Photo Year: 1973* *Photo Revision Year: 1973*	*Aerial Photo Year: 1973* *Photo Revision Year: 1973*



Available Quadrangle(s): Southwest Columbus, OH(3-1973)
Northwest Columbus, OH(1-1965)
Galloway, OH(2-1973)
Hilliard, OH(4-1973)

Source: USGS 7.5 Minute Topographic Map

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415



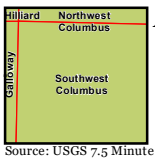
1965

(1-1965) *Aerial Photo Year: 1953*

(2-1965) *Aerial Photo Year: 1954*
Photo Revision Year: 1965

(3-1955) *Aerial Photo Year: 1953*

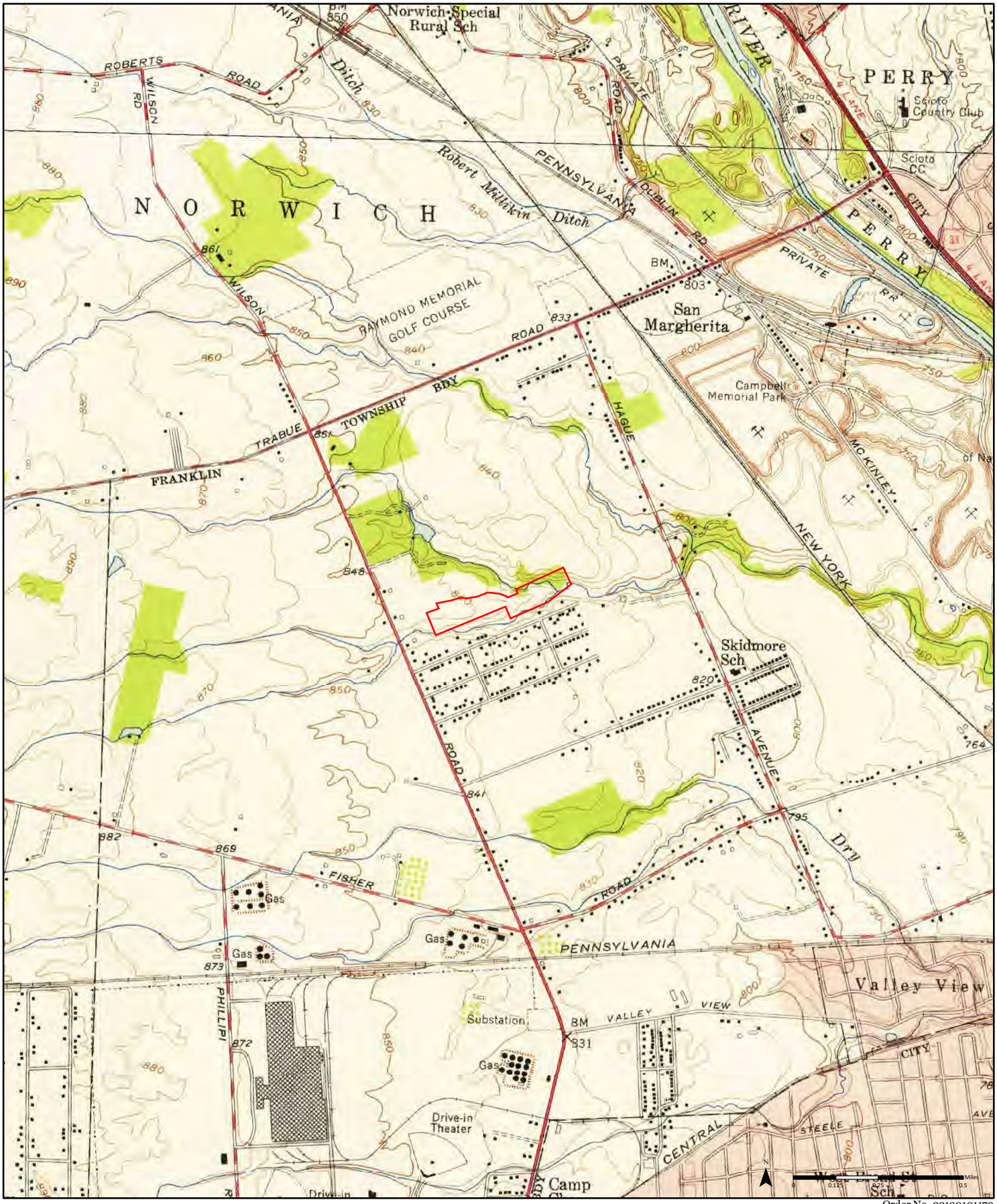
Order No. 22120101172



Available Quadrangle(s): Southwest Columbus, OH(2-1965)
Northwest Columbus, OH(1-1965)
Galloway, OH(3-1955)

Source: USGS 7.5 Minute Topographic Map

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415



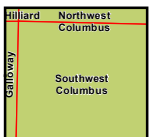
1955

(1-1955) *Aerial Photo Year: 1954*

(2-1955) *Aerial Photo Year: 1953*

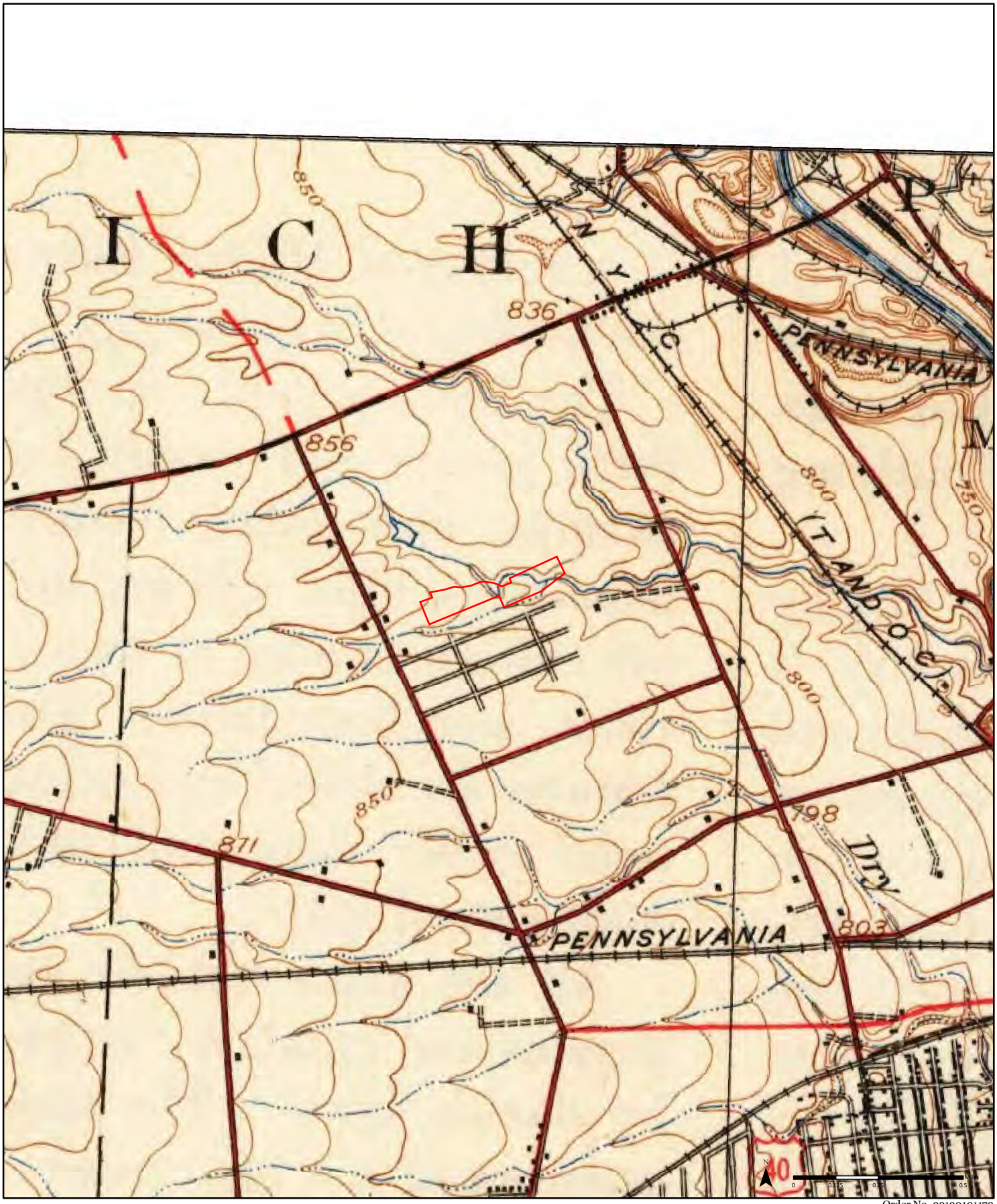
(3-1955) *Aerial Photo Year: 1953*

Order No. 22120101172



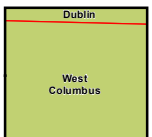
Available Quadrangle(s): Southwest Columbus, OH(1-1955)
Galloway, OH(2-1955)
Northwest Columbus, OH(3-1955)

Source: USGS 7.5 Minute Topographic Map



Order No. 22120101172

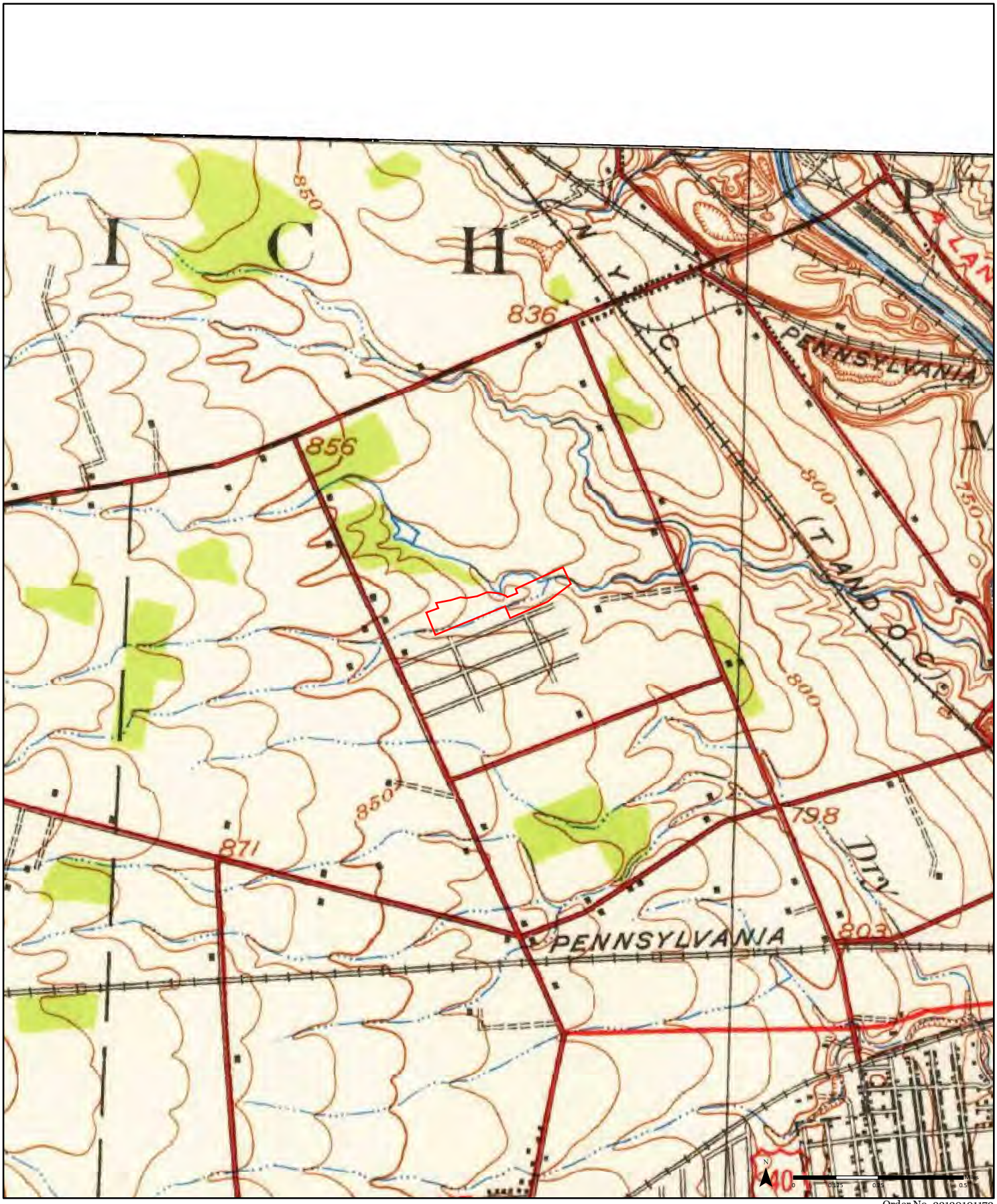
1925



Available Quadrangle(s): West Columbus, OH

Source: USGS 15 Minute Topographic Map

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415



Order No. 22120101172

1923

Available Quadrangle(s): West Columbus, OH

Source: USGS 15 Minute Topographic Map

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

ERIS

CITY DIRECTORY

Project Property:	*Kittle Wilson Road* *091564.00 Kittle Wilson Road* *Columbus,OH 43204*
Project No:	*091564.00*
Requested By:	*SME-USA*
Order No:	*22120101172*
Date Completed:	*December 06, 2022*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

December 06, 2022
RE: CITY DIRECTORY RESEARCH
091564.00 Kittle Wilson Road
Columbus,OH 43204

Thank you for contacting ERIS for an City Directory Search for the site described above. Our staff has conducted a reverse listing City Directory search to determine prior occupants of the subject site and adjacent properties. We have provided the nearest addresses(s) when adjacent addresses are not listed. If we have searched a range of addresses, all addresses in that range found in the Directory are included.

Note: Reverse Listing Directories generally are focused on more highly developed areas. Newly developed areas may be covered in the more recent years, but the older directories will tend to cover only the "central" parts of the city. To complete the search, we have either utilized the ACPL, Library of Congress, State Archives, and/or a regional library or history center as well as multiple digitized directories. These do not claim to be a complete collection of all reverse listing city directories produced.

ERIS has made every effort to provide accurate and complete information but shall not be held liable for missing, incomplete or inaccurate information. To complete this search we used the general range(s) below to search for relevant findings. If you believe there are additional addresses or streets that require searching please contact us at 866-517-5204.

Search Criteria:
3400-3618 of Twin Creeks Drive
1099-1359 of Wilson Road
3200-3590 of brookside Blvd
Search Notes:

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Search Results Summary

Date	Source	Comment
2022	DIGITAL BUSINESS DIRECTORY	
2020	DIGITAL BUSINESS DIRECTORY	
2016	DIGITAL BUSINESS DIRECTORY	
2012	DIGITAL BUSINESS DIRECTORY	
2008	DIGITAL BUSINESS DIRECTORY	
2003	DIGITAL BUSINESS DIRECTORY	
2000	DIGITAL BUSINESS DIRECTORY	
1997	HAINES	
1991	HAINES	
1986	HAINES	
1981	HAINES	
1976	HAINES	
1971	HAINES	
1965	HAINES	
1960	OHIO BELL TELEPHONE	
1955	OHIO BELL TELEPHONE	
1951	POLKS	
1945	POLKS	
1937	POLKS	
1932	POLKS	
1929	POLKS	
1925	POLKS	

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2022 BROOKSIDE BLVD

SOURCE: DIGITAL BUSINESS DIRECTORY

3263 **RICHARD DINARDO**...*RESIDENTIAL*
3273 **WILLIAM SWACKHAMMER**...*RESIDENTIAL*
3281 **LAURA PEREZ**...*RESIDENTIAL*
3296 **ORAL NAPPER**...*RESIDENTIAL*
3309 **CHERYL HEWITT**...*RESIDENTIAL*
3343 **MICHAEL SWANK**...*RESIDENTIAL*
3350 **KATHRYN AUGENSTEIN**...*RESIDENTIAL*
3351 **DIANE WALLACE**...*RESIDENTIAL*
3382 **STACEY MEEK**...*RESIDENTIAL*
3383 **MONIQUE PHILLIPS**...*RESIDENTIAL*
3403 **JOHN HORN**...*RESIDENTIAL*
3408 **KENNETH PENNINGTON**...*RESIDENTIAL*
3411 **RON DEBORD**...*RESIDENTIAL*
3420 **BRIAN PENNINGTON**...*RESIDENTIAL*
3437 **JOSEPH STANLEY**...*RESIDENTIAL*
3447 **PATRICK WALTERS SR**...*RESIDENTIAL*
3450 **DAVEN YOUNG**...*RESIDENTIAL*
3451 **RONALD CARTER**...*RESIDENTIAL*
3460 **DUSTIN BROWN**...*RESIDENTIAL*
3460 **HEATHER BROWN**...*RESIDENTIAL*
3460 **MICHAEL ROBINSON**...*RESIDENTIAL*
3505 **JOHNNY LAYNE**...*RESIDENTIAL*
3522 **GEORGE GOWER**...*RESIDENTIAL*
3531 **BARBARA CHARLES**...*RESIDENTIAL*
3547 **ROBERT CAIN JR**...*RESIDENTIAL*
3553 **JAY SCHOTT**...*RESIDENTIAL*
3558 **ROBERT ESTEP**...*RESIDENTIAL*
3563 **DUSTIN THOMAS**...*RESIDENTIAL*
3566 **VENTURA BROTHERS LANDSCAPING**...*LAWN & GROUNDS MAINTENANCE*
3580 **DONNEY NELSON**...*RESIDENTIAL*
3586 **EMMANUEL REYES**...*RESIDENTIAL*

2022 TWIN CREEKS DRIVE

SOURCE: DIGITAL BUSINESS DIRECTORY

3400 **CHAMPION PROPERTY MANAGEMENT**...*REAL ESTATE MANAGEMENT*
3400 **HILLIARD VILLAGE**...*APARTMENTS*
3400 **HILLIARD VILLAGE**...*NONCLASSIFIED ESTABLISHMENTS*
3400 **TWIN CREEK APARTMENTS**...*APARTMENTS*
3400 **TWIN CREEK APARTMENTS**...*FEDERAL GOVERNMENT CONTRACTORS*

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1154 **SUZANNE ALLEN**...*RESIDENTIAL*
1154 **SUZANNE GINTER**...*RESIDENTIAL*
1185 **NEXT DOOR TAVERN**...*BARS*
1188 **UNITED DAIRY FARMERS**...*GROCERS-RETAIL*
1188 **UNITED DAIRY FARMERS**...*CONVENIENCE STORES*
1189 **MINELLI'S PIZZA**...*RESTAURANTS*
1189 **MINELLI'S PIZZA**...*FOODSCARRY OUT*
1189 **MINELLI'S PIZZA**...*PIZZA*
1189 **MINELLI'S PIZZA**...*HOTELS & MOTELS*
1201 **HOT STOP DRIVE THRU**...*BEVERAGES (WHLS)*
1204 **WILSON ROAD MINI STORAGE**...*WAREHOUSES-MINI & SELF STORAGE*
1204 **WILSON ROAD MINI STORAGE**...*STORAGE-HOUSEHOLD & COMMERCIAL*
1333 **CALVIN LEMON**...*RESIDENTIAL*

3255 **TERESE DINARDO**...*RESIDENTIAL*
3263 **EMMA DINARDO**...*RESIDENTIAL*
3273 **WILLIAM SWACKHAMMER**...*RESIDENTIAL*
3289 **JAMMIE SEYMOUR**...*RESIDENTIAL*
3296 **ORAL NAPPER**...*RESIDENTIAL*
3309 **CHERYL HEWITT**...*RESIDENTIAL*
3309 **LIZETTE GAONA**...*RESIDENTIAL*
3343 **MICHAEL SWANK**...*RESIDENTIAL*
3350 **KATHRYN AUGENSTEIN**...*RESIDENTIAL*
3351 **DIANE WALLACE**...*RESIDENTIAL*
3365 **BETTY CONLEY**...*RESIDENTIAL*
3365 **CARL CONLEY**...*RESIDENTIAL*
3382 **STACEY MEEK**...*RESIDENTIAL*
3383 **ALEXIS YOUNG**...*RESIDENTIAL*
3383 **MONIQUE PHILLIPS**...*RESIDENTIAL*
3403 **ASHLEY HORN**...*RESIDENTIAL*
3408 **COLLEEN PENNINGTON**...*RESIDENTIAL*
3411 **REBECCA DEBORD**...*RESIDENTIAL*
3420 **AMY PENNINGTON**...*RESIDENTIAL*
3450 **DAVEN YOUNG**...*RESIDENTIAL*
3450 **PHYLLIS YOUNG**...*RESIDENTIAL*
3451 **RONALD CARTER**...*RESIDENTIAL*
3460 **DUSTIN BROWN**...*RESIDENTIAL*
3460 **MICHAEL ROBINSON**...*RESIDENTIAL*
3505 **JOHNNY LAYNE**...*RESIDENTIAL*
3522 **GEORGE GOWER**...*RESIDENTIAL*
3531 **ALTON CHARLES**...*RESIDENTIAL*
3547 **ROBERT CAIN JR**...*RESIDENTIAL*
3553 **ELMA SCHOTT**...*RESIDENTIAL*
3558 **ROBERT ESTEP**...*RESIDENTIAL*
3563 **DUSTIN THOMAS**...*RESIDENTIAL*
3580 **DONNEY NELSON**...*RESIDENTIAL*
3586 **CRUZ REYES**...*RESIDENTIAL*
3590 **CARRIE DAVISON**...*RESIDENTIAL*

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2020 TWIN CREEKS DRIVE

SOURCE: DIGITAL BUSINESS DIRECTORY

3400 **CHAMPION PROPERTY MANAGEMENT**...*REAL ESTATE MANAGEMENT*
3400 **HILLIARD VILLAGE**...*APARTMENTS*
3400 **HILLIARD VILLAGE**...*NONCLASSIFIED ESTABLISHMENTS*
3400 **TWIN CREEK APARTMENTS**...*APARTMENTS*
3400 **TWIN CREEK APARTMENTS**...*FEDERAL GOVERNMENT CONTRACTORS*
3590 **AMERICAN COMMERCE INSURANCE CO**...*INSURANCE*
3590 **AMERICAN COMMERCE INSURANCE CO**...*CREDIT UNIONS*

2020 WILSON ROAD

SOURCE: DIGITAL BUSINESS DIRECTORY

1154 **SUZANNE ALLEN**...*RESIDENTIAL*
1154 **SUZANNE GINTER**...*RESIDENTIAL*
1185 **NEXT DOOR TAVERN**...*BARS*
1188 **UNITED DAIRY FARMERS**...*GROCERS-RETAIL*
1188 **UNITED DAIRY FARMERS**...*CONVENIENCE STORES*
1189 **MINELLI'S PIZZA**...*PIZZA*
1189 **MINELLI'S PIZZA**...*RESTAURANTS*
1189 **MINELLI'S PIZZA**...*FOODSCARRY OUT*
1189 **MINELLI'S PIZZA**...*HOTELS & MOTELS*
1201 **HOT STOP DRIVE THRU**...*BEVERAGES (WHLS)*
1204 **WILSON ROAD MINI STORAGE**...*WAREHOUSES-MINI & SELF STORAGE*
1204 **WILSON ROAD MINI STORAGE**...*STORAGE-HOUSEHOLD & COMMERCIAL*
1333 **CALVIN LEMON**...*RESIDENTIAL*
1333 **KAREN SCHMITZ**...*RESIDENTIAL*

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2016 BROOKSIDE BLVD

SOURCE: DIGITAL BUSINESS DIRECTORY

3255 **TERESE DINARDO**...*RESIDENTIAL*
3263 **RICHARD DINARDO**...*RESIDENTIAL*
3289 **JAMMIE SEYMOUR**...*RESIDENTIAL*
3289 **KEVIN SEYMOUR**...*RESIDENTIAL*
3309 **CHERYL HEWITT**...*RESIDENTIAL*
3343 **JAMES GLASS**...*RESIDENTIAL*
3350 **JERRY AUGENSTEIN SR**...*RESIDENTIAL*
3350 **KATHRYN AUGENSTEIN**...*RESIDENTIAL*
3351 **DIANE WALLACE**...*RESIDENTIAL*
3365 **BETTY CONLEY**...*RESIDENTIAL*
3365 **CARL CONLEY**...*RESIDENTIAL*
3382 **STACEY MEEK**...*RESIDENTIAL*
3383 **ALEXIS YOUNG**...*RESIDENTIAL*
3383 **MONIQUE PHILLIPS**...*RESIDENTIAL*
3383 **MONIQUE YOUNG**...*RESIDENTIAL*
3403 **ASHLEY HORN**...*RESIDENTIAL*
3403 **JOHN HORN**...*RESIDENTIAL*
3403 **NORMA HORN**...*RESIDENTIAL*
3408 **COLLEEN PENNINGTON**...*RESIDENTIAL*
3408 **KENNETH PENNINGTON**...*RESIDENTIAL*
3411 **REBECCA DEBORD**...*RESIDENTIAL*
3411 **RON DEBORD**...*RESIDENTIAL*
3411 **SHAWN DEBORD**...*RESIDENTIAL*
3420 **AMY PENNINGTON**...*RESIDENTIAL*
3420 **BRIAN PENNINGTON**...*RESIDENTIAL*
3450 **DAVEN YOUNG**...*RESIDENTIAL*
3450 **PHYLLIS YOUNG**...*RESIDENTIAL*
3451 **RONALD CARTER**...*RESIDENTIAL*
3451 **TONY CARTER**...*RESIDENTIAL*
3460 **MICHAEL ROBINSON**...*RESIDENTIAL*
3505 **JOHNNY LAYNE**...*RESIDENTIAL*
3505 **PAULINE LAYNE**...*RESIDENTIAL*
3522 **GEORGE GOWER**...*RESIDENTIAL*
3531 **ALTON CHARLES**...*RESIDENTIAL*
3531 **BARBARA CHARLES**...*RESIDENTIAL*
3547 **ROBERT CAIN JR**...*RESIDENTIAL*
3553 **ELMA SCHOTT**...*RESIDENTIAL*
3553 **JAY SCHOTT**...*RESIDENTIAL*
3563 **DUSTIN THOMAS**...*RESIDENTIAL*
3566 **PATRICIA STEPP**...*RESIDENTIAL*
3586 **CRUZ REYES**...*RESIDENTIAL*
3586 **EMMANUEL REYES**...*RESIDENTIAL*
3586 **PETRA REYES**...*RESIDENTIAL*
3590 **CARRIE DAVISON**...*RESIDENTIAL*

2016 TWIN CREEKS DRIVE

SOURCE: DIGITAL BUSINESS DIRECTORY

3400 **CHAMPION PROPERTY MANAGEMENT**...*REAL ESTATE MANAGEMENT*
3400 **HILLIARD VILLAGE**...*NONCLASSIFIED ESTABLISHMENTS*
3400 **TWIN CREEK APARTMENTS**...*APARTMENTS*
3590 **AMERICAN COMMERCE INSURANCE CO**...*INSURANCE*

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1154 **SUZANNE ALLEN**...*RESIDENTIAL*
1185 **NEXT DOOR TAVERN**...*BARS*
1188 **UNITED DAIRY FARMERS**...*GROCERS-RETAIL*
1188 **UNITED DAIRY FARMERS**...*CONVENIENCE STORES*
1189 **MINELLI'S PIZZA**...*RESTAURANTS*
1189 **MINELLI'S PIZZA**...*PIZZA*
1195 **ALL COLUMBUS LOCK & KEY**...*LOCKS & LOCKSMITHS*
1201 **WILSON ROAD DRIVE-THRU**...*BEER & ALE-RETAIL*
1204 **WILSON ROAD MINI STORAGE**...*WAREHOUSES-MINI & SELF STORAGE*
1204 **WILSON ROAD MINI STORAGE**...*STORAGE-HOUSEHOLD & COMMERCIAL*
1333 **KAREN SCHMITZ**...*RESIDENTIAL*

3263 **EMMA DINARDO**...*RESIDENTIAL*
3263 **RICHARD DINARDO**...*RESIDENTIAL*
3273 **JAMES LUNSFORD**...*RESIDENTIAL*
3281 **MARK FLEMING**...*RESIDENTIAL*
3289 **JAMMIE SEYMOUR**...*RESIDENTIAL*
3289 **KENNETH BROOME**...*RESIDENTIAL*
3289 **KEVIN SEYMOUR**...*RESIDENTIAL*
3289 **LARRY SEYMOUR**...*RESIDENTIAL*
3296 **ORAL NAPPER**...*RESIDENTIAL*
3309 **CHERYL HEWITT**...*RESIDENTIAL*
3309 **JUAN GAONA**...*RESIDENTIAL*
3350 **JERRY AUGENSTEIN**...*RESIDENTIAL*
3350 **KATHERYN AUGENSTEIN**...*RESIDENTIAL*
3365 **BETTY CONLEY**...*RESIDENTIAL*
3365 **DONALD CONLEY**...*RESIDENTIAL*
3383 **JONETTE YOUNG**...*RESIDENTIAL*
3383 **MONIQUE YOUNG**...*RESIDENTIAL*
3403 **JOHN HORN**...*RESIDENTIAL*
3403 **NORMA HORN**...*RESIDENTIAL*
3408 **AMY PENNINGTON**...*RESIDENTIAL*
3408 **COLLEEN PENNINGTON**...*RESIDENTIAL*
3408 **KENNETH PENNINGTON**...*RESIDENTIAL*
3411 **AARON DEBORD**...*RESIDENTIAL*
3411 **REBECCA DEBORD**...*RESIDENTIAL*
3411 **RONALD DEBORD**...*RESIDENTIAL*
3411 **SHAWN DEBORD**...*RESIDENTIAL*
3437 **BERNICE DATZ**...*RESIDENTIAL*
3437 **DOUG DATZ**...*RESIDENTIAL*
3437 **DOUGLAS DATZ**...*RESIDENTIAL*
3450 **JOHN YOUNG**...*RESIDENTIAL*
3450 **PHYLLIS YOUNG**...*RESIDENTIAL*
3451 **OGIE STOOPS**...*RESIDENTIAL*
3451 **RON CARTER**...*RESIDENTIAL*
3451 **TONY CARTER**...*RESIDENTIAL*
3468 **EIZABETH SZYMANSKI**...*RESIDENTIAL*
3468 **ELIZABETH SZYMANSKI**...*RESIDENTIAL*
3468 **JOSEPH SZYMANSKI**...*RESIDENTIAL*
3505 **DANIEL BROWNING**...*RESIDENTIAL*
3505 **MICHAEL LAYNE**...*RESIDENTIAL*
3505 **PAULINE LAYNE**...*RESIDENTIAL*
3506 **MARGARET MCCLELLAN**...*RESIDENTIAL*
3506 **RICHARD CANTLEBARRY**...*RESIDENTIAL*
3531 **ALTON CHARLES**...*RESIDENTIAL*
3531 **BARBARA CHARLES**...*RESIDENTIAL*
3534 **JOSEPH LOTTRIDGE**...*RESIDENTIAL*
3534 **MARYANNE LOTTRIDGE**...*RESIDENTIAL*
3547 **MARY SKAGGS**...*RESIDENTIAL*
3550 **MARY SKAGGS**...*RESIDENTIAL*
3550 **SKAGGS MARY**...*RESIDENTIAL*
3558 **MISTY ESTEP**...*RESIDENTIAL*
3566 **JOHN MULLINS**...*RESIDENTIAL*
3566 **TIM CARMEAN**...*RESIDENTIAL*
3580 **DONNEY NELSON**...*RESIDENTIAL*
3585 **MICHAEL SKIDMORE**...*RESIDENTIAL*
3590 **DAVISON CARRIE**...*RESIDENTIAL*
3590 **ROBERT DAVISON**...*RESIDENTIAL*

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3400 **TWIN CREEK APARTMENTS**...*APARTMENTS*

1154 **SUZANNE ALLEN**...*RESIDENTIAL*
1166 **JAMES GUNN**...*RESIDENTIAL*
1166 **MELISSA GUNN**...*RESIDENTIAL*
1166 **RUBY GUNN**...*RESIDENTIAL*
1185 **NEXT DOOR TAVERN**...*BARS*
1188 **UNITED DAIRY FARMERS**...*CONVENIENCE STORES*
1189 **MINNELLI'S PIZZA**...*PIZZA*
1201 **WILSON ROAD DRIVE-THRU**...*BEER & ALE-RETAIL*
1204 **BUDGET TRUCK RENTAL**...*TRUCK RENTING & LEASING*
1204 **WILSON ROAD MINI STORAGE**...*STORAGE-HOUSEHOLD & COMMERCIAL*
1333 **CHARLOTTE FRAME**...*RESIDENTIAL*

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2008 BROOKSIDE BLVD

SOURCE: DIGITAL BUSINESS DIRECTORY

3281 **T HARDY**...*RESIDENTIAL*
3289 **LARRY JR SEYMOUR**...*RESIDENTIAL*
3296 **CNC INVESTMENTS LLC**...*REAL ESTATE*
3350 **JERRY AUGENSTEIN**...*RESIDENTIAL*
3360 **R SALLEE**...*RESIDENTIAL*
3365 **CARL E CONLEY**...*RESIDENTIAL*
3403 **JOHN A HORN**...*RESIDENTIAL*
3408 **KENNETH PENNINGTON**...*RESIDENTIAL*
3411 **R DEBORD**...*RESIDENTIAL*
3419 **L M HONACHER**...*RESIDENTIAL*
3437 **DOUG DATZ**...*RESIDENTIAL*
3450 **DAVEN YOUNG**...*RESIDENTIAL*
3451 **TONY L CARTER**...*RESIDENTIAL*
3460 **RACHEL & BRIAN BLAIR**...*RESIDENTIAL*
3505 **P LAYNE**...*RESIDENTIAL*
3523 **DANIEL L DIXON**...*RESIDENTIAL*
3531 **ALTON CHARLES**...*RESIDENTIAL*
3547 **G JUSTUS**...*RESIDENTIAL*
3558 **M D HIGNIGHT**...*RESIDENTIAL*
3566 **JOHN MULLINS**...*RESIDENTIAL*
3580 **D NELSON**...*RESIDENTIAL*
3586 **SARAH J FRANK**...*RESIDENTIAL*

2008 TWIN CREEKS DRIVE

SOURCE: DIGITAL BUSINESS DIRECTORY

3400 **TWIN CREEK APARTMENTS**...*APARTMENTS*
3425 **SUDHAKAR THANDAVAMOORTHY**...*RESIDENTIAL*

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2008 WILSON ROAD

SOURCE: DIGITAL BUSINESS DIRECTORY

1154 **SUZANNE GINTER**...*RESIDENTIAL*
1188 **UNITED DAIRY FARMERS**...*RET GROCERIES GASOLINE SERVICE STATION*
1189 **MINELLIS PIZZA INC**...*EATING PLACE*
1189 **MINNELLIS PIZZA**...*PIZZA*
1195 **BUDGET SMOKES**...*CIGAR CIGARETTE & TOBACCO DEALERS-RETAIL*
1201 **ROYERS BEVERAGE DRIVE-THRU**...*BEER & ALE-RETAIL*
1201 **WILSON ROAD DRIVE-THRU**...*BEER & ALE-RETAIL*
1204 **WILSON RD STORAGE**...*SPECIAL WAREHOUSE/STORAGE*
1204 **WILSON ROAD MINI STORAGE**...*STORAGE-HOUSEHOLD & COMMERCIAL*
1333 **PATRICK FRAME**...*RESIDENTIAL*

2003 BROOKSIDE BLVD

SOURCE: DIGITAL BUSINESS DIRECTORY

3281 **JAS MULLINS**...*RESIDENTIAL*
3289 **KENNETH J BROOME**...*RESIDENTIAL*
3309 **CARL FRABOTT**...*RESIDENTIAL*
3350 **JERRY AUGENSTEIN**...*RESIDENTIAL*
3360 **TILFORD HOWELL**...*RESIDENTIAL*
3365 **CARL E CONLEY**...*RESIDENTIAL*
3382 **RONALD A II BELLISARI**...*RESIDENTIAL*
3403 **JOHN A HORN**...*RESIDENTIAL*
3411 **B SHEETS**...*RESIDENTIAL*
3437 **DOUG DATZ**...*RESIDENTIAL*
3450 **DAVEN YOUNG**...*RESIDENTIAL*
3460 **S K FLOWERS**...*RESIDENTIAL*
3468 **GERMAN JENKINS**...*RESIDENTIAL*
3505 **E LAYNE**...*RESIDENTIAL*
3531 **ALTON CHARLES**...*RESIDENTIAL*
3547 **GLADYS JUSTUS**...*RESIDENTIAL*
3553 **GARY & LONNA SCHIERMAN**...*RESIDENTIAL*
3563 **HAROLD T HAMMACK**...*RESIDENTIAL*
3566 **JOHN MULLINS**...*RESIDENTIAL*
3580 **CAROL E KEEFER**...*RESIDENTIAL*

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2003 TWIN CREEKS DRIVE

SOURCE: DIGITAL BUSINESS DIRECTORY

3400 **TWIN CREEK APARTMENTS**

2003 WILSON ROAD

SOURCE: DIGITAL BUSINESS DIRECTORY

1154 **JAMES H SMITH**...*RESIDENTIAL*
1166 **GRADY PERRY**...*RESIDENTIAL*
1185 **RICHIES TAVERN**...*BARS AND LOUNGES*
1188 **UNITED DAIRY FARMERS**
1189 **MINNELLI'S PIZZA**
1195 **BUDGET SMOKES**
1201 **ROYER'S BEVERAGE DRIVE-THRU**
1204 **WILSON ROAD MINI STORAGE**
1330 **DEAN L RAGER**...*RESIDENTIAL*
1333 **PATK FRAME**...*RESIDENTIAL*

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2000 BROOKSIDE BLVD

SOURCE: DIGITAL BUSINESS DIRECTORY

3281 **JAS MULLINS**...*RESIDENTIAL*
3289 **KENNETH J BROOME**...*RESIDENTIAL*
3309 **CARL FRABOTT**...*RESIDENTIAL*
3350 **JERRY AUGENSTEIN**...*RESIDENTIAL*
3360 **TILFORD HOWELL**...*RESIDENTIAL*
3365 **CARL E CONLEY**...*RESIDENTIAL*
3382 **RONALD A II BELLISARI**...*RESIDENTIAL*
3403 **JOHN A HORN**...*RESIDENTIAL*
3411 **B SHEETS**...*RESIDENTIAL*
3437 **DOUG DATZ**...*RESIDENTIAL*
3450 **DAVEN YOUNG**...*RESIDENTIAL*
3460 **S K FLOWERS**...*RESIDENTIAL*
3468 **GERMAN JENKINS**...*RESIDENTIAL*
3505 **E LAYNE**...*RESIDENTIAL*
3531 **ALTON CHARLES**...*RESIDENTIAL*
3547 **GLADYS JUSTUS**...*RESIDENTIAL*
3553 **GARY & LONNA SCHIERMAN**...*RESIDENTIAL*
3563 **HAROLD T HAMMACK**...*RESIDENTIAL*
3566 **JOHN MULLINS**...*RESIDENTIAL*
3580 **CAROL E KEEFER**...*RESIDENTIAL*

2000 TWIN CREEKS DRIVE

SOURCE: DIGITAL BUSINESS DIRECTORY

3400 **TWIN CREEK APARTMENTS**
3590 **AMERICAN COMMERCE INSURANCE**

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2000 WILSON ROAD

SOURCE: DIGITAL BUSINESS DIRECTORY

1154 **JAMES H SMITH**...*RESIDENTIAL*
1166 **GRADY PERRY**...*RESIDENTIAL*
1185 **RICHIES TAVERN**
1188 **UNITED DAIRY FARMERS**
1189 **MINNELLI'S PIZZA**
1195 **BUDGET SMOKES**
1201 **ROYER'S BEVERAGE DRIVE-THRU**
1201 **U-HAUL CO**
1330 **DEAN L RAGER**...*RESIDENTIAL*
1333 **PATK FRAME**...*RESIDENTIAL*

1997 BROOKSIDE BLVD

SOURCE: HAINES

3247 **XXXX**
3255 **XXXX**
3263 **XXXX**
3275 **SUMMERS ZACHERY J**
3281 **MULLINS JAS**
3288 **XXXX**
3289 **BROOME KENNETH J**
3295 **XXXX**
3296 **XXXX**
3303 **XXXX**
3309 **FRABOTT CARL J**
3343 **XXXX**
3344 **XXXX**
3350 **AUGENSTEIN JERRY**
3351 **XXXX**
3360 **HOWELL TILORD**
3365 **CONLEY CARL E**
3382 **XXXX**
3383 **XXXX**
3403 **HORN JOHN A**
3408 **XXXX**
3411 **DEBORD R**
3419 **HONACHER L M**
3420 **XXXX**
3437 **DATZ DOUG**
3447 **XXXX**
3450 **YOUNG DAVEN**
3451 **XXXX**
3460 **BLAIR BRIAN**
3460 **BLAIR RACHEL**
3468 **JENKINS GERMAN**
3469 **XXXX**
3481 **XXXX**
3505 **LAYNE E**
3506 **XXXX**
3519 **XXXX**
3522 **XXXX**
3523 **XXXX**
3531 **CHARLES ALTON**
3534 **XXXX**
3547 **JUSTUS G**
3550 **XXXX**
3553 **XXXX**
3558 **XXXX**
3563 **HAMMACK HAROLD T**
3566 **MULLINS JOHN**
3569 **XXXX**
3580 **KEEFER CAROL E**
3586 **XXXX**
3588 **XXXX**
3590 **XXXX**
3591 **LOWE JOHNNY**

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1997 TWIN CREEKS DRIVE

SOURCE: HAINES

3400	**TWIN CREEK APRTMNTS**
3590	**AUTOMBL CLUB INS CO**
3591	**XXXX**
3800	**FLEXCON CO INC**
3800	**KENCO COLUMBUS**
3810	**XXXX**
3850	**XXXX**

1997 WILSON ROAD

SOURCE: HAINES

1090	**XXXX**
1128	**XXXX**
1154	**XXXX**
1168	**XXXX**
1188	**UNITD DAIRY FARMERS STORE**
1201	**MINELLI'S PIZZA**
1201	**ROYER'S BEVERAGE DRIYETHRU**
1201	**U HAUL CO INDEPENDENT DEALERS**
1204	**XXXX**
1206	**XXXX**
1269	**XXXX**
1272	**XXXX**
1330	**XXXX**
1333	**FRAME PATK**
1370	**AGEE D**
1515	**STRICKLER CARL F**
1550	**CLARK GRAPHICS INC**

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1991 BROOKSIDE BLVD

SOURCE: HAINES

3247	XXXX
3255	XXXX
3263	XXXX
3275	BENNETT M
3281	MULLINS JAS
3288	XXXX
3289	BROOME KENNETH J
3295	XXXX
3296	XXXX
3303	XXXX
3309	FRABOTT CARL JR
3343	XXXX
3344	XXXX
3350	AUGENSTEIN JERRY
3351	XXXX
3360	HOWELL TILFORD
3365	XXXX
3382	CONLEY CARL E
3383	XXXX
3403	XXXX
3408	XXXX
3411	PENNINGTON HAROLD
3419	XXXX
3420	XXXX
3437	DATZ DOUG
3447	WALTERS P J
3450	YOUNG DAVEN
3451	XXXX
3460	MARCUM T L
3468	JENKINS GERMAN
3469	XXXX
3481	DIAMOND T L
3505	LAYNE EDWINA
3506	ABELS KENNETH
3519	XXXX
3522	XXXX
3523	CANTLEBARRY ERIN
3523	CANTLEBARRY MARTY
3531	CHARLES ALTON
3534	XXXX
3547	JUSTUS G
3550	XXXX
3553	SCHIERMAN GARY
3553	SCHIERMAN LONNA
3558	XXXX
3563	HAMMACK HAROLD T
3566	MULLINS JOHN
3569	XXXX
3580	XXXX
3586	XXXX
3588	XXXX
3590	SWANK JOHN H
3591	LOWE JOHNNY

1991 TWIN CREEKS DRIVE

SOURCE: HAINES

3400	SAGE WEST APTS
3590	AUTOMBL CLUB INS CO
3591	XXXX
3800	FLEXCON CO INC
3800	STAM WIN INC
3850	ITEL DISTBN SYS INC

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1991 WILSON ROAD

SOURCE: HAINES

900	WAFFLE HOUSE
920	ECONO LODGE
1090	XXXX
1128	XXXX
1154	SMITH JAS H
1166	PERRY GRADY
1201	S & S CARRY OUT
1204	XXXX
1206	XXXX
1269	PENN DEVELOPMENT CO
1272	XXXX
1330	RAGER DEAN L
1333	FRAME PATK
1370	AGEE D
1370	JENKINS M A

1986 BROOKSIDE BLVD

SOURCE: HAINES

3247	LOMBARDI DONALD L
3255	XXXX
3263	XXXX
3275	BENNETT M A
3281	MULLINS JAS
3288	XXXX
3289	BROOME KENNETH J
3295	XXXX
3296	XXXX
3303	XXXX
3309	FRABOTT CARL JR
3343	WALLACE FHIRIAL
3344	XXXX
3350	LAPP BRUCE J
3351	XXXX
3360	HOWELL TILFORD
3365	LANDON I M
3382	CONLEY CARL E
3383	XXXX
3403	BRAGG JAS
3408	XXXX
3411	PENNINGTON HAROLD
3419	XXXX
3420	XXXX
3437	NEWBERRY J
3450	YOUNG DAVEN
3451	ROUSE CHAS E
3460	HODGEM
3468	JENKINS GERMAN
3469	HICKMAN LUTHER
3481	MARCUM T L
3505	LAYNE EDWINA
3506	ABELS KENNETH
3519	SIMONS FRED E
3522	XXXX
3523	LANG MICHAEL
3531	CHARLES ALTON
3534	WALLACE LONNIE
3547	JUSTUS G
3550	XXXX
3553	HUNDLEY JEROME
3558	SCHIRTZINGER JAS E
3563	HAMMACK HAROLD T
3566	FRANK JOHN D
3569	XXXX
3580	MORRIS W L
3586	XXXX
3588	WILLIAMS D
3590	SWANK JOHN H
3591	LOWE JENNY

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1986 TWIN CREEKS DRIVE

SOURCE: HAINES

3400	**SAGE WEST APTS**
3590	**AUTOMBL CLUB INS CO**
3590	**SAVE T RISK INS CO**
3591	**XXXX**

1986 WILSON ROAD

SOURCE: HAINES

900	**WAFFLE HOUSE 402**
1090	**XXXX**
1128	**XXXX**
1154	**SMITH JAS H**
1166	**PERRY GRADY**
1201	**S & S CARRY OUT**
1204	**SHELBY A R**
1206	**XXXX**
1269	**PENN DEVLOPMNT CO**
1272	**XXXX**
1330	**RAGER DEAN L**
1333	**FRAME PATK**
1370	**AGEE D**

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1981 BROOKSIDE BLVD

SOURCE: HAINES

3247 LOMBARDI DONALD L
3255 XXXX
3263 MCFARLAND A R
3273 RATLIFF CURTIS
3275 BENNETT M Î‘
3281 MULLINS JAS
3288 SIX RICHD E
3289 BROOME KENNETH J
3295 SADLER J E
3296 XXXX
3303 XXXX
3309 FRABOTT CARL JR
3343 WALLACE GENE
3344 XXXX
3350 LAPP BRUCE J
3351 XXXX
3360 HOWELL TILFORD
3365 LANDON RUSSELL
3382 CONLEY CARL E
3383 YOUNG JOHN W
3403 BRAGG JAS
3408 XXXX
3411 PENNINGTON HAROLD
3419 HONACHER JOHN
3420 XXXX
3437 XXXX
3450 YOUNG DAVEN
3451 ROUSE CHAS E
3460 HORSLEY SHERMAN
3468 JENKINS GERMAN
3469 HICKMAN LUTHER
3481 JONS C E
3505 LAYNE EDWINA
3506 ABELS KENNETH
3519 SIMONS FRED E
3522 XXXX
3523 LANG MICHAEL L
3531 CHARLES ALTON
3534 WALLACE LONNIE
3547 JUSTUS G
3550 XXXX
3553 RICKEYS REFRIGERATN
3558 SCHIRTZINGER JAS E
3563 HAMMACK HAROLD T
3566 FRANK JOHN
3569 XXXX
3580 WHITAKER CURTIS N
3585 HARKLESS FRANCIS
3586 XXXX
3588 WOLFE HOMER D
3590 SWANK JOHN H
3591 LOWE JENNY

1981 TWIN CREEKS DRIVE

SOURCE: HAINES

3400 SAGE WEST APTS
3590 AUTOMBL CLUB INS CO
3590 AUTOMOBILE CLUB
3590 SAVE T RISK INS CO
3591 XXXX

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1981 WILSON ROAD

SOURCE: HAINES

875 CARTER SPENCE
900 WAFFLE HOUSE THE
1090 XXXX
1128 XXXX
1154 SMITH JAS H
1166 PERRY GRADY
1201 XXXX
1204 CAFFEE DALE
1206 XXXX
1269 PENN DEVLOPMNT CO
1272 XXXX
1330 RAGER DEAN L
1333 FRAME PATK
1370 AGEE D
1370 BRUMFIELD THOMAS M
1370 BRUMFIELD THOS M
1370 BRUMFIELDS LANDSCAP
1500 GABLER FRED C

1976 BROOKSIDE BLVD

SOURCE: HAINES

3247 LOMBARDI DONALD L
3263 MCFARLAND A R
3273 XXXX
3275 BENNETT M A
3288 SIX RICHD E
3289 XXXX
3295 SADLER J E
3296 SMITH J A
3303 XXXX
3309 FRABOTT CARL JR
3343 XXXX
3344 XXXX
3350 XXXX
3351 XXXX
3360 HOWELL TILFORD
3365 LANDON RUSSELL
3382 CONLEY CARL E
3383 YOUNG BLANCHE
3403 BRAGG JAS
3408 PENNINGTON KENNETH
3411 XXXX
3419 XXXX
3420 XXXX
3437 XXXX
3450 YOUNG DAVEN
3451 ROUSE CHAS E
3460 HORSLEY SHERMAN
3468 JENKINS GERMAN
3469 HICKMAN LUTHER
3481 LACEY M
3505 DUHS A FRANKLIN
3506 ABELS KENNETH
3519 SIMONS FRED E
3522 XXXX
3523 XXXX
3534 WALLACE LONNIE
3547 JUSTUS GLADYS
3547 JUSTUS HARRY
3550 XXXX
3553 RICKEY&SONS REFRGTN
3558 SCHIRTZINGER JAS E
3563 HAMMACK HAROLD T
3566 SCHIRTZINGER D
3569 XXXX
3580 WHITAKER CURTIS N
3585 HARKLESS FRANCIS
3586 FRANK JOHN P
3588 WOLFE HOMER D
3590 SWANK JOHN H
3591 BUTLER MM J

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1976 TWIN CREEKS DRIVE

SOURCE: HAINES

3590	**AUTOMOBILE CLUB INS**
3590	**SAVE T RISK INS CO**
3591	**LANDCO INC**

1976 WILSON ROAD

SOURCE: HAINES

900	**XXXX**
1090	**XXXX**
1128	**XXXX**
1154	**SMITH JAS H**
1166	**PERRY GRADY**
1201	**WILSON RD MOBIL**
1204	**XXXX**
1206	**XXXX**
1269	**PENN DEVLOPMNT CO**
1272	**XXXX**
1330	**RAGER DEAN L**
1333	**FRAME PATK**
1370	**HARTLEY C CARLTON**
1370	**TUCKER OREAN**
1500	**GABLER FRED C**

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3247	LOMBARDI DONALD L
3263	MCFARLAND A R
3275	BENNETT MARY A
3281	YODER CECIL C
3288	SIX RICHD E
3289	URBAN F L
3295	SADLER J E
3296	SIX FLOYD
3303	SIX LAWRENCE
3309	FRABOTT CARL JR
3343	XXXX
3350	NEELY RUSSELL W
3351	WALLACE JAS A
3360	HOWELL TILFORD
3365	LANDON RUSSELL
3382	CONLEY CARL E
3383	YOUNG JOHN W
3403	BRAGG JAS
3411	H H ROOFING
3411	IRWIN HOWARD
3419	NORTHRUP EDSEL G
3420	PAULEY RALPH
3437	MATTOX JAS N
3450	PAULEY JOHN
3451	BROOME HOWD
3460	HORSLEY SHERMAN
3468	JENKINS GERMAN
3469	HICKMAN LUTHER
3505	PENNINGTON PHILLIP
3506	ABELS KENNETH
3506	STEINHOUR ANNA B
3519	KING FLOYD
3522	XXXX
3523	BRYANT IVAN E
3531	OSBORNE OWEN
3547	JUSTUS GLADYS
3547	JUSTUS HARRY
3550	XXXX
3558	SCHIRTZINGER JAS E
3563	HAMMACK HAROLD T
3566	SCHIRTZINGER D
3569	XXXX
3580	WHITAKER CURTIS N
3585	HARKLESS FRANCIS
3586	FRANK JNO P
3588	WOLFE HOMER D
3591	BUTLER WM J

STREET NOT LISTED

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1971 WILSON ROAD

SOURCE: HAINES

900	COMBS RAY
1090	XXXX
1128	LATHEM FLORENCE E
1154	SMITH JAS H
1166	PERRY GRADY
1204	BOGGS DAN W
1206	VANGUNDY DELLNO
1206	VANGUNDY MARTHA E
1269	ASSOCTD RLTY ENTRPR
1272	BURT HARRY C
1330	RAGER DEAN L
1333	FRAME PATK
1370	HARTLEY C CARLTON
1370	TUCKER OREAN
1500	GABLER FRED C
1500	GABLER MIMI

1965 BROOKSIDE BLVD

SOURCE: HAINES

3247	LOMBARDI DONALD L
3255	XXXX
3263	L & T CONSTR CO
3281	YODER CECIL C
3288	SIX RICHD E
3289	URBAN FLORENCE
3295	SADLER J E
3296	SIX FLOYD
3303	SIX LAWRENCE
3309	FRABOTT CARL JR
3343	XXXX
3350	NEELY RUSSELL W
3351	BAUGHMAN CARL L
3360	HOWELL TILFORD
3365	FLEMING CHAS R
3382	XXXX
3383	YOUNG JOHN W
3403	BRAGG JAS
3411	H H ROOFING
3411	IRWIN HOWARD
3415	MARTIN ROSE
3419	XXXX
3437	HAKES CHAS A
3447	GROM BONNIE M
3450	XXXX
3451	BROOME HOWD
3460	HORSLEY SHERMAN
3468	JENKINS GERMAN
3469	HICKMAN LUTHER
3481	HAMILTON RONALD L
3505	PENNINGTON PHILLIP
3506	ABELS KENNETH
3519	PULLINS PAUL O
3519	PULLINS VIRGINIA
3522	XXXX
3531	STRICKLAND DELMER K
3534	HERD DONALD
3547	JUSTUS GLADYS
3547	JUSTUS HARRY
3550	XXXX
3553	EDGAR MICHAEL F
3558	SCHIRTZINGER JAS E
3563	HAMMACK HAROLD T
3566	SCHIRTZINGER D
3569	XXXX
3580	WHITAKER DOROTHY
3585	XXXX
3586	FRANK JNO P
3588	XXXX
3590	JENKINS GENE
3591	WHITE LOUIS

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1965 TWIN CREEKS DRIVE

SOURCE: HAINES

STREET NOT LISTED

1965 WILSON ROAD

SOURCE: HAINES

901	**RESIDENTIAL LISTING**
932	**DELONG FLAVIS A**
1030	**CAMPBELL GENE**
1070	**LIND CARL W MRS**
1074	**JEWETT OLIVER C**
1090	**XXXX**
1128	**LATHEM FLORENCE E**
1154	**SMITH JAS H**
1166	**PERRY GRADY**
1194	**STICKLER KENNETH B**
1195	**FIELDS OLEN**
1204	**BOGGS DAN W**
1206	**VANGUNDY DELLNO**
1206	**VANGUNDY MARTHA E**
1269	**MYERS LOGAN E**
1272	**BURT HARRY C**
1330	**RAGER DEAN L**
1333	**COWGILL HARVEY W**
1370	**HARTLEY C CARLTON**
1370	**TUCKER OREAN**
1500	**GABLER FRED C**

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3247	LOMBARDI D
3263	L & T CONSTR CO
3273	MOORE G
3275	BENNETT M A
3288	SIX R E
3289	URBAN F
3295	SADLER J E
3303	SIX L H
3343	WALLACE S
3344	BENNETT C R
3351	STAPLETON M
3360	HOWELL T
3365	FLEMING C R
3383	YOUNG J W
3403	BRAGG J
3411	IRWIN H
3437	HAKES C A
3447	GROM L H
3451	BROOME H
3460	HORSLEY S
3468	JENKINS G
3469	LESTER A
3506	ABELS K
3519	PULLINS P O
3522	DEAN W
3523	PENNINGTON P
3531	SEAGRAVES J
3547	JUSTUS H
3550	SMITH E
3553	EDGAR M F
3563	HAMMACK H T
3566	SCHIRTZINGER D
3566	SCHIRTZINGER J E
3569	CULBERTSON C
3580	WHITAKER D
3585	HARKLESS F
3586	FRANK J P
3590	WHITAKER E
3591	WHITE L

STREET NOT LISTED

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1960 WILSON ROAD

SOURCE: OHIO BELL TELEPHONE

932	DELONG F A
1030	CAMPBELL G
1050	HUNTER'S MARATHON STA
1070	LIND C W
1074	JEWETT O C
1090	THOMPSON G F
1128	LATHEM F E MRS
1154	SMITH J H
1194	DEL TO OCCUPANT
1195	FIELDS O
1204	HENRY A H
1206	WALLS H
1269	MYERS L E
1272	BURT H C
1330	RAGER D L
1333	COWGILL H W
1370	HARTLEY C
1370	TUCKER O
1500	GABLER F C

1955 BROOKSIDE BLVD

SOURCE: OHIO BELL TELEPHONE

3275	BENNETT J
3289	URBAN F
3303	FRABOTT B
3344	SIX R E
3383	YOUNG J W
3403	MCKNIGHT N
3411	IRWIN H
3419	BLOXAM E
3437	HAKES C A
3447	GROM L H
3468	JENKINS G
3469	ALLEY G
3481	DEL TO OCCUPANT
3485	JENKINS C
3506	BLOSSER L
3519	PULLINS P O
3519	RAMEY A
3522	DEAN W
3523	PENWELL E
3531	SEAGRAVES J
3550	OTIS N
3553	EDGAR M F
3563	HAMMACK H T
3566	SCHIRTZINGER D
3580	WHITAKER D
3585	HARKLESS F
3586	FRANK J P
3590	WOOD J M
3591	WHITE L

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1955 TWIN CREEKS DRIVE

SOURCE: OHIO BELL TELEPHONE

STREET NOT LISTED

1955 WILSON ROAD

SOURCE: OHIO BELL TELEPHONE

1050	**DEL TO OCCUPANT**
1070	**LIND C W**
1074	**JEWETT O C**
1080	**HILES G MRS**
1128	**LATHEM F E MRS**
1154	**SMITH J H**
1166	**JOINER H**
1194	**DEL TO OCCUPANT**
1195	**FIELDS O**
1206	**WALLS H**
1269	**MYERS L E**
1272	**BURT H C**
1330	**RAGER D L**
1333	**COWGILL H W**
1370	**HARTLEY C**
1370	**SMITH A**
1500	**GABLER F C**

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1951 BROOKSIDE BLVD

SOURCE: POLKS

STREET NOT LISTED

1951 TWIN CREEKS DRIVE

SOURCE: POLKS

STREET NOT LISTED

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1931 WILSON ROAD

SOURCE: POLKS

STREET NOT LISTED

1945 BROOKSIDE BLVD

SOURCE: POLKS

STREET NOT LISTED

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1945 TWIN CREEKS DRIVE

SOURCE: POLKS

STREET NOT LISTED

1945 WILSON ROAD

SOURCE: POLKS

STREET NOT LISTED

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1937 BROOKSIDE BLVD

SOURCE: POLKS

STREET NOT LISTED

1937 TWIN CREEKS DRIVE

SOURCE: POLKS

STREET NOT LISTED

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1937 WILSON ROAD

SOURCE: POLKS

STREET NOT LISTED

1932 BROOKSIDE BLVD

SOURCE: POLKS

STREET NOT LISTED

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1932 TWIN CREEKS DRIVE

SOURCE: POLKS

STREET NOT LISTED

1932 WILSON ROAD

SOURCE: POLKS

STREET NOT LISTED

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1929 BROOKSIDE BLVD

SOURCE: POLKS

STREET NOT LISTED

1929 TWIN CREEKS DRIVE

SOURCE: POLKS

STREET NOT LISTED

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1929 WILSON ROAD

SOURCE: POLKS

STREET NOT LISTED

1925 BROOKSIDE BLVD

SOURCE: POLKS

STREET NOT LISTED

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1925 TWIN CREEKS DRIVE

SOURCE: POLKS

STREET NOT LISTED

1925 WILSON ROAD

SOURCE: POLKS

STREET NOT LISTED

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APPENDIX C
COMMUNICATION

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PHASE I ENVIRONMENTAL ASSESSMENT – ALL APPROPRIATE INQUIRY USER QUESTIONNAIRE

In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the Brownfields Amendments to CERCLA), the User of a Phase I Environmental Site Assessment (ESA) must consider the issues discussed below as part of the User's All Appropriate Inquiry (AAI) to identify Recognized Environmental Conditions (RECs) associated with the Property. This information should be provided to the Environmental Professional conducting the Phase I ESA so that a complete report can be issued.

The User may decide not to provide this information to the Environmental Professional; however, the absence of the information will be noted in the Phase I ESA report and may affect assessment conclusions. Under these circumstances, it will be the User's responsibility to determine if the Phase I ESA results, combined with results from the tasks described below, is sufficient to satisfy the requirements of All Appropriate Inquiry as defined by federal statute and regulation.

Instructions:

1. Fill in all blanks.
2. Indicate "NA" (not applicable), if appropriate.
3. Attach additional pages with your signature if additional space is required.

Property Name: West Fork

Property Location: Wilson Road and Twin Creeks Drive, Columbus, OH

County: Franklin State: Ohio

Questionnaire Completed By/Title: Kyle Stanley / Development Analyst

Company/ Phone Number: Kittle Property Group / 317-428-1932

On Behalf Of (if applicable): Caroline Kimmel

Planned Date of Purchase/Lease (circle one): Under Contract - Purchase planned Q2 2024

Time Period of Site Knowledge: 13 months

1. REASON FOR PHASE I ESA

The User of the requested Phase I ESA must make the reason for the Phase I ESA known to the Environmental Professional. Otherwise, it must be assumed that the reason is to qualify for an LLP to CERCLA liability. Please indicate the reason for this Phase I ESA of the Property.

- ☑ Due diligence/liability protection for purchase of the Property
- ☐ Due diligence/liability protection for lease of the Property
- ☐ Mortgage loan or refinance
- ☐ Foreclosure
- ☐ Other; explain _____

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2. RECORDED ENVIRONMENTAL CLEANUP LIENS AND ACTIVITY/USE LIMITATIONS

The User is responsible to ascertain, through personal knowledge and/or a review of reasonably ascertainable recorded land and judicial records, if any environmental liens have been filed on the Property and if any activity or use limitations (AULs) have been placed on the Property because of environmental impact. You may engage a title company or other capable professional to undertake the review of reasonably ascertainable records on your behalf.

Have you conducted, or arranged to have conducted, a review of land title records in which recorded liens and activity/use restrictions would be revealed?

☑ Yes ☐ No

If yes, please specify who conducted the review: First American

If yes, please specify the types and locations of records reviewed: N/A

Based on your personal knowledge and/or reviews of title records, are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state, or local law?

☐ Yes ☑ No

If yes, explain briefly: _____

Based on your personal knowledge and/or reviews of title records, are you aware of any activity and/or use limitations, such as engineering controls, land use restrictions, or institutional controls, that are in place at the property and/or have been filed or recorded in a registry under federal, tribal, state, or local law?

☐ Yes ☑ No

If yes, identify the land use limitations/restrictions: _____

3. SPECIALIZED KNOWLEDGE AND EXPERIENCE

Any specialized knowledge or experience of the User that could indicate, or create suspicion of, the presence environmental contamination on the Property must be considered as part of the AAI process. Specialized knowledge or experience includes familiarity with historic activities on the Property that could result in environmental impact, personal knowledge or experience that would indicate a risk of environmental impact associated with past Property uses, knowledge of the environmental history of the Property, and any other information that could indicate environmental impact or threat of environmental impact on the Property.

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As the User of this environmental site assessment, do you have any specialized knowledge or experience related to the Property or adjoining properties?

☐ Yes ☑ No

If yes, explain briefly: _____

4. RELATIONSHIP OF PURCHASE PRICE TO VALUE

Historically, environmentally contaminated properties often have been sold at prices below market value to entice buyers to acquire the property, contamination, and resultant liabilities; therefore, if a property's sale price is significantly below market value without any obvious impairments or reasons for the reduced price, the potential for environmental impact as a cause of the reduced price must be evaluated.

Does the purchase price being paid for this Property reflect the fair market value of the Property?

☑ Yes ☐ No

If there is a significant negative difference, can you identify the reason for the reduced price versus value? If "No" the Property may be assumed to be contaminated.

☐ Yes ☐ No

If yes, explain briefly: _____

5. COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION

Have you become aware, through conversations, rumor, etc., of any commonly known or reasonably ascertainable information within the local community that would indicate the Property could be contaminated (e.g. types of past uses, presence of storage tanks, use of chemicals, environmental cleanups, etc.) or that any past event (e.g. fire, chemical spill, accident, etc.) could have resulted in environmental impact of the Property or adjoining properties.

☑ Yes ☐ No

If yes, explain briefly: A phase I provided by SME revealed a REC associated with dump piles. The Piles were assessed in a Phase II and concluded they were not a concern.

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6. PROCEEDINGS INVOLVING THE PROPERTY

Do you, the User of this environmental site assessment, based on your knowledge and experience related to the property, have any knowledge of any of the following:

- Pending, threatened, or past litigation related to hazardous substances or petroleum products in, on or arising from the Property?

  ☐ Yes ☑ No

  If yes, explain briefly: _____

- Pending, threatened, or past administrative proceedings related to hazardous substances or petroleum products in, on or arising from the Property?

  ☐ Yes ☑ No

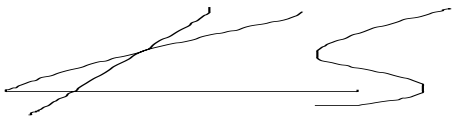
  If yes, explain briefly: _____

- Notices from any governmental entity regarding any possible violation of environmental laws or regulations or possible liability relating to hazardous substances or petroleum products in, on or arising from the Property?

  ☐ Yes ☑ No

  If yes, explain briefly: _____

Kyle Stanley
Printed Name


Signature

1/16/24
Date

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Archived: Thursday, February 1, 2024 10:21:58 AM
From: Environmental Health Records Request
Sent: Friday, January 19, 2024 8:04:37 AM
To: Cayla Woods
Subject: RE: ENV Records Request Parcel ID 570-129822-00 & 560-129800-00
Importance: Normal
Sensitivity: None

Hello:

In order to search our records at Columbus Public Health Environmental Health Division for the following records: hazardous materials complaints, licenses/permits associated under our authority, and any general outstanding environmental complaints or balances, we need a street address for the property.

If you have an address, please reply to this email with that information.

NOTICE:

- The City of Columbus **311 Service Center maintains 311 Service Request records and may have information on properties of interest that are not maintained in the environmental health records**. They can be contacted at 311@columbus.gov.

- **Not all information regarding SARA Title III facilities may be available**, contact the Chemical Emergency Preparedness Advisory Council (CEPAC) for more: https://www.columbus.gov/cepac/ or email request to JESchmidt@columbus.gov.

- The Columbus **Building and Zoning Services Department maintains information not related to the environmental health records**; they can be contacted at recordscenter@columbus.gov.

- The **Ohio Environmental Protection Agency (OEPA) maintains information not related to the environmental health records** maintained by our department; information about public records request, file reviews, and eDocument search can be found on their website: https://www.epa.ohio.gov/dir/publicrecords.

Thank you and let us know if you need any further details.

ENVIRONMENTAL HEALTH RECORDS
DIVISION OF ENVIRONMENTAL HEALTH
ehrecords@columbus.gov

COLUMBUS PUBLIC HEALTH
240 Parsons Ave, Columbus, OH 43215
www.publichealth.columbus.gov

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From: Cayla Woods [mailto:cayla.woods@sme-usa.com]
Sent: Thursday, January 18, 2024 12:10 PM
To: Environmental Health Records Request <EHRecords@columbus.gov>
Subject: ENV Records Request Parcel ID 570-129822-00 & 560-129800-00

Hello,
We would like to know if the Columbus Public Health has any records associated with septic systems, water wells, or crock wells, chemical spills, hazardous material permits or inspections associated with the below mentioned property, or immediate surrounding area.

1. 570-129822-00 and 560-129800-00 off of streets Wilson Road and Twin Creaks Drive

Thanks,

Cayla Woods | Staff Engineer
4401 Lyman Drive, Suite C | Hilliard, OH 43026
614.705.2250 o | 586.255.4856 c |cayla.woods@sme-usa.com

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Fire Prevention Bureau
3639 Parsons Ave., Room 148
Columbus, OH 43207
Phone: (614) 645-7641
Fax: (614) 645-6637

Email: Environmentalreportrequest@columbus.gov
Website: www.columbus.gov/public-safety/fire

Date **January 22, 2024**

To**: Cayla Woods**	From: **Ms. Bert**
Company: SME	**Fire Prevention Bureau**
Fax #: ()	Fax # (614) 645-6637
No. of Pages (Including cover sheet)	Phone # (614) 645-7641 EXT - 0

Environmental Research Response Request

Address with or w/o Parcel ID

1.	**570129822 & 560129800 Wilson Road & Twin Creeks Drive**
2.	

Check #		**Payable to: Columbus City Treasurer/Fire**

Information Requested:

X	Spills and / or Hazardous Responses
X	Underground / Aboveground Storage Tank Information
X	Outstanding Fire Code Violations**/**Permits

Findings:

	No File on Record. – Address is not in our system.
	File Contains **NO** Occurrences of Requested Information.
	Address Attached
X	**Unable to Research/No Mailing Address**
	See attached report for spill, not other fires/incidents
	NO VIOLATIONS AS OF LAST INSPECTION

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PHASE I ENVIRONMENTAL ASSESSMENT (ESA)
PROPERTY OWNER/OCCUPANT QUESTIONNAIRE

This questionnaire concerns the current and historical uses and conditions of the referenced property and will be included within the Phase I ESA report. Questionnaire answers should be based upon the owner/occupant's reasonable knowledge of current and historical use and activities at the property.

Instructions:

1. Fill in all blanks.
2. Indicate "NA" (not applicable), if appropriate.
3. Attach additional pages with your signature if additional space is required.

Property Name: Roco Hilliard Annex

Property Location: Twin Creeks Drive

County: Columbus State: Ohio

Questionnaire Completed By/Title: David Colman

Company/ Phone Number: Representative of Property Owner, Contact through counsel

On Behalf Of (if applicable): Roco Hilliard Annex

Year of Purchase/Lease (circle one): 2015

Time Period of Site Knowledge: 2015-2019

Names/Phone Numbers of Former Owners/Occupants:

Owners: n/a

Occupants: none

Names/Phone Numbers of other persons who have knowledge of property history: _____

n/a

PROPERTY DESCRIPTION AND USE

1. Provide a general description of the property:

☑ Undeveloped ☐ Vacant ☐ Wooded ☐ Buildings ☐ Other

2. Describe the structures present on the property (number, size, and construction date):_____

~~Vacant Parcel~~

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3. Identify utilities available to the property and indicate the provider of each utility.

☐ Electric Provider: n/a

☐ Gas Provider: n/a

☐ Sanitary Sewer Provider: n/a

☐ Storm Sewer Provider: n/a

☐ Municipal Water Provider: n/a

4. Are there any easements at the property?:

☑ Yes ☐ No

If yes, describe the type and location of the easements:

Easements known provided in title policy to Buyer

5. To the best of your knowledge, identify if the following were formerly (F) or are currently (C) present on the property. Select NA if not applicable to the property.

F	C	NA	
☐	☐	☑	On-site water supply wells
			Location: _____
☐	☐	☑	Septic fields, drain fields, or dry wells
			Location: _____
☐	☐	☑	Abandoned wells
			Location: _____
☐	☐	☑	Lagoons, settling ponds
			Location: _____
☐	☐	☑	Monitoring wells
			Location: _____
☐	☐	☑	Underground sumps, lines, basins, or tanks
			Location: _____
☐	☐	☑	Aboveground storage tanks (ASTs)
			Location: _____
☐	☐	☑	Transformers or capacitors
			Location: _____
☐	☐	☑	Other PCB containing equipment
			Location: _____

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☐ ☐ ☑ Mines or pits
Location: _____

☐ ☐ ☑ Hidden chemical materials or wastes
Location: _____

☐ ☐ ☑ Dumps or landfills
Location: _____

☐ ☐ ☑ Oil or gas wells or test holes
Location: _____

☐ ☐ ☑ Unusual fill areas, such as foundry sand, etc.
Location: _____

☐ ☐ ☑ Barrel or drum storage areas
Location: _____

6. What is the general use of property:

☐ Industrial ☐ Commercial ☐ Residential ☑ Other

7. What products/services are produced/provided at the property?: n/a

8. What type of on-site processes are used at the property?: n/a

9. What types of equipment are used at the property?: n/a

10. What raw materials are used at the property?: n/a

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11. Are there any environmental permits (e.g. solid waste disposal, hazardous waste disposal, air emissions, wastewater, stormwater/NPDES, etc.) or environmental compliance plans (e.g. SPCC, SWPPP) associated with the property?

☐ Yes ☑ No

If yes, list the applicable permit(s): Unknown

PROPERTY AND ADJOINING PROPERTIES - CURRENT AND HISTORICAL USE

12. Are there any liquid or solid wastes generated at the property?

☐ Yes ☑ No ☐ Unknown

If yes, please list the monthly volume generated and explain disposal method:_____

13. Is the property or any adjoining property currently used for an industrial use?

☐ Yes ☐ No ☑ Unknown

☐ Property ☐ Adjoining

If yes, explain briefly:_____

14. Is the property or any adjoining property currently used as a gasoline station, vehicle repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?

☐ Yes ☐ No ☑ Unknown

☐ Property ☐ Adjoining

If yes, explain briefly:_____

Please complete the current land use table below:

	Name/Owner	**Land Use**
Property	n/a	
North adjoining properties	n/a	
South adjoining properties	n/a	
East adjoining properties	n/a	
West adjoining properties	n/a	

15. Has the property or any adjoining property been used for an industrial use in the past?

☐ Yes ☐ No ☑ Unknown

☐ Property ☐ Adjoining

If yes, explain briefly:_____

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16. Has the property or any adjoining property historically been used as a gasoline station, vehicle repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?

☐ Yes ☐ No ☑ Unknown

☐ Property ☐ Adjoining

If yes, explain briefly:_____

Please complete the historical land use table below:

	Owner	Use	Dates
Previous use of Property	n/a		
Previous use of properties to north	n/a		
Previous use of properties to south	n/a		
Previous use of properties to east	n/a		
Previous use of properties to west	n/a		

CURRENT AND HISTORICAL PROPERTY CONDITIONS

17. Are there currently, or have there been previously, any damaged or discarded automotive or industrial batteries, pesticides, paints, or other chemicals (individual containers greater than 5 gallons or greater than 50 gallons total) stored on or used at the property or at the facility?

☐ Yes ☐ No ☑ Unknown

If yes, explain briefly:_____

18. Are there currently, or have there been previously, any industrial drums (typically 55-gallon) or sacks of chemicals stored on the property or at the facility?

☐ Yes ☐ No ☑ Unknown

If yes, describe the chemicals stored on the property (volume, contents and dates of storage):_____

19. Have any hazardous substances, petroleum products, unidentified waste materials, tires, automotive or industrial batteries, or any other waste materials been dumped above grade, buried, and/or burned/incinerated on the property?

☐ Yes ☐ No ☑ Unknown

If yes, identify the location and date(s):_____

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20. Are there currently, or have there been previously, any registered or unregistered storage tanks (aboveground or underground) located on the property?

☐ Yes ☐ No ☑ Unknown

If yes, identify the location, date(s) of use, and date(s) of removal (if applicable):_____

21. Are there currently, or have there been previously, any vent pipes, fill pipes protruding from the ground, areas of patched concrete or asphalt, or access ways indicating an underground storage tank on the property?

☐ Yes ☐ No ☑ Unknown

If yes, identify the location:_____

22. Are there transformers, capacitors, or hydraulic equipment on the property?

☐ Yes ☐ No ☑ Unknown

If yes, are there any records indicating the presence of PCBs?:_____

23. Is there currently, or has there been previously, any stained soil on the property?

☐ Yes ☐ No ☑ Unknown

If yes, identify the location of the stained soil and date(s) it was present on the property:_____

24. Has fill dirt been brought onto the property that is of unknown origin? Has fill dirt been brought onto the property that originated from a contaminated site?

☐ Yes ☐ No ☑ Unknown

If yes, identify the date and location of fill placement:_____

25. Are there currently, or have there been previously, any leaks, spills, or staining by substances other than water, or foul odors, associated with any flooring, drains, walls, ceilings, or exposed grounds on the property?

☐ Yes ☐ No ☑ Unknown

If yes, identify the location and dates:_____

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26. Are there currently, or have there been previously, any pits, ponds, or lagoons associated with waste treatment or disposal located on the property?

☐ Yes ☐ No ☑ Unknown

If yes, identify the location and dates:_____

_____

27. Excluding storm water and sanitary waste discharge into an existing storm/sanitary sewer, does the property discharge wastewater on or adjacent to the property?

☐ Yes ☐ No ☑ Unknown

If yes, describe the type of wastewater and identify discharge location:_____

_____

28. If the property is served by a private well or non-public water system, have contaminants been identified in the well or system that exceed applicable guidelines? Has the well been designated as contaminated by any government environmental/health agency?

☐ Yes ☐ No ☑ Unknown

If yes, identify the contaminants and dates of exceedances:_____

_____

PREVIOUSLY IDENTIFIED ENVIRONMENTAL CONDITIONS

29. Have you been informed of the current or past existence of hazardous substances, petroleum products, or environmental violations with respect to the property or any facility located on the property?

☐ Yes ☑ No ☐ Unknown

If yes, briefly explain:_____

_____

30. Do you have knowledge of any environmental site assessment(s) of the property (e.g., Phase I ESA, Phase II ESA) that indicated / did not indicate the presence of hazardous substances or petroleum products on, or contamination of, the property?

☐ Yes ☑ No ☐ Unknown

If yes, briefly explain:_____

_____

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a) If the property is in Michigan, has a Baseline Environmental Assessment (BEA) been prepared for the property? **OR**
b) If the property is in Indiana, has a Comfort/Site Status Letter been prepared for the property? **OR**
c) If the property is in Ohio, has a Covenant Not to Sue been prepared for the property?

☐ Yes ☐ No ☑ Unknown

If yes, briefly explain:_____

31. Are you aware of the existence of environmental reports and permits; UST, AST, and underground injection system registrations; material safety data sheets; community right-to-know plans; safety and spill prevention plans; hydrogeologic reports; notices of past or current violations of environmental laws; hazardous waste generator notices or reports; geotechnical studies; risk assessments; and, recorded activity and use limitations.

☐ Yes ☑ No ☐ Unknown

If yes, briefly explain:_____

32. Do you know of any pending, threatened, or past lawsuits or administrative proceedings concerning the release of any hazardous substances or petroleum products involving the property or any facility located on the property?

☐ Yes ☑ No ☐ Unknown

If yes, briefly explain:_____

33. Do you have any knowledge of environmental liens or government notification relating to past or recurrent violations of environmental laws with respect to the property or any facility located on the property?

☐ Yes ☑ No ☐ Unknown

If yes, briefly explain:_____

34. Are you aware of any activity and land use limitations (engineering controls or institutional controls/land use restrictions) that are in place at the property and/or have been filed or recorded in a registry under federal, tribal, state, or local law?

☐ Yes ☐ No ☑ Unknown

If yes, identify limitation/restriction: Only what was provided in the title policy report

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SME Project No. _____

David Colman
Printed Name

David Colman
Signature

ROCO Hilliard Annex
Company

Representative of Owner
Title

1/5/2023
Date

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APPENDIX D
REGULATORY RECORDS DOCUMENTATION

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DATABASE REPORT

Project Property:	*Wilson Road and Twin Creek Drive* *Wilson Road and Twin Creek Drive* *Columbus OH*
Project No:	*091564.00.004*
Report Type:	*Database Report*
Order No:	*24011500155*
Requested by:	*SME-USA*
Date Completed:	*January 17, 2024*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

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Executive Summary

Property Information:

Project Property:	*Wilson Road and Twin Creek Drive* *Wilson Road and Twin Creek Drive Columbus OH*
Project No:	*091564.00.004*

Coordinates:

Latitude:	*39.9803875*
Longitude:	*-83.09681865*
UTM Northing:	*4,427,685.95*
UTM Easting:	*320,957.94*
UTM Zone:	*17S*

Elevation: *831 FT*

Order Information:

Order No:	*24011500155*
Date Requested:	*January 15, 2024*
Requested by:	*SME-USA*
Report Type:	*Database Report*

Historicals/Products:

ERIS Xplorer	*ERIS Xplorer*
Excel Add-On	*Excel Add-On*
Vapor Screening Tool	*Vapor Screening Tool*

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Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
Standard Environmental Records								
Federal								
NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	0.5	0	0	0	0	-	0
SEMS	Y	0.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	0.5	0	0	0	0	-	0
ODI	Y	0.5	0	0	0	0	-	0
IODI	Y	0.5	0	0	0	0	-	0
CERCLIS	Y	0.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	0.5	0	0	0	0	-	0
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	0	**1**	**1**
RCRA TSD	Y	0.5	0	0	0	0	-	0
RCRA LQG	Y	0.25	0	0	0	-	-	0
RCRA SQG	Y	0.25	0	0	**1**	-	-	**1**
RCRA VSQG	Y	0.25	0	0	**1**	-	-	**1**
RCRA NON GEN	Y	0.25	0	0	**2**	-	-	**2**
RCRA CONTROLS	Y	0.5	0	0	0	0	-	0
FED ENG	Y	0.5	0	0	0	0	-	0
FED INST	Y	0.5	0	0	0	0	-	0
LUCIS	Y	0.5	0	0	0	0	-	0
NPL IC	Y	0.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS	Y	0.5	0	0	0	0	-	0
FEMA UST	Y	0.25	0	0	0	-	-	0
FRP	Y	0.25	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
DELISTED FRP	Y	0.25	0	0	0	-	-	0
HIST GAS STATIONS	Y	0.25	0	0	0	-	-	0
REFN	Y	0.25	0	0	0	-	-	0
BULK TERMINAL	Y	0.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0
SUPERFUND ROD	Y	1	0	0	0	0	0	0
DOE FUSRAP	Y	1	0	0	0	0	0	0
State								
DERR	Y	1	0	0	0	0	**5**	**5**
DELISTED DERR	Y	1	0	0	0	0	0	0
SWF/LF	Y	0.5	0	0	0	0	-	0
HIST LF	Y	0.5	0	0	0	0	-	0
LUST	Y	0.5	0	**1**	0	**22**	-	**23**
DELISTED LST	Y	0.5	0	**1**	0	**7**	-	**8**
LST	Y	0.5	0	0	0	0	-	0
UST	Y	0.25	0	**2**	0	-	-	**2**
TANKS	Y	0.25	0	0	0	-	-	0
TANKS 2	Y	0.25	0	0	0	-	-	0
DTNK	Y	0.25	0	0	0	-	-	0
ENG	Y	0.5	0	0	0	0	-	0
INST	Y	0.5	0	0	0	0	-	0
VCP	Y	0.5	0	0	0	0	-	0
VAP CNS	Y	0.5	0	0	0	0	-	0
BROWNFIELDS	Y	0.5	0	0	0	0	-	0
Tribal								
INDIAN LUST	Y	0.5	0	0	0	0	-	0
INDIAN UST	Y	0.25	0	0	0	-	-	0
DELISTED INDIAN LST	Y	0.5	0	0	0	0	-	0
DELISTED INDIAN UST	Y	0.25	0	0	0	-	-	0
County	***No County standard environmental record sources available for this State.***							
Additional Environmental Records								
Federal								
PFAS GHG	Y	0.5	0	0	0	0	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
FINDS/FRS	Y	PO	0	-	-	-	-	0
TRIS	Y	PO	0	-	-	-	-	0
PFAS NPL	Y	0.5	0	0	0	0	-	0
PFAS FED SITES	Y	0.5	0	0	0	0	-	0
PFAS SSEHRI	Y	0.5	0	0	0	0	-	0
ERNS PFAS	Y	0.5	0	0	0	0	-	0
PFAS NPDES	Y	0.5	0	0	0	0	-	0
PFAS TRI	Y	0.5	0	0	0	0	-	0
PFAS WATER	Y	0.5	0	0	0	0	-	0
PFAS TSCA	Y	0.5	0	0	0	0	-	0
PFAS E-MANIFEST	Y	0.5	0	0	0	0	-	0
PFAS IND	Y	0.5	0	0	0	0	-	0
HMIRS	Y	0.125	0	0	-	-	-	0
NCDL	Y	0.125	0	0	-	-	-	0
TSCA	Y	0.125	0	0	-	-	-	0
HIST TSCA	Y	0.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0
SCRD DRYCLEANER	Y	0.5	0	0	0	0	-	0
ICIS	Y	PO	0	-	-	-	-	0
FED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED FED DRY	Y	0.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
FUDS MRS	Y	1	0	0	0	0	0	0
FORMER NIKE	Y	1	0	0	0	0	0	0
PIPELINE INCIDENT	Y	PO	0	-	-	-	-	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	0.25	0	0	0	-	-	0
SMCRA	Y	1	0	0	0	0	0	0
MRDS	Y	1	0	0	0	0	0	0
LM SITES	Y	1	0	0	0	0	0	0
ALT FUELS	Y	0.25	0	0	0	-	-	0
CONSENT DECREES	Y	0.25	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
AFS	Y	PO	0	-	-	-	-	0
SSTS	Y	0.25	0	0	0	-	-	0
PCBT	Y	0.5	0	0	0	0	-	0
PCB	Y	0.5	0	0	0	0	-	0
State								
SPILLS	Y	0.125	0	**4**	-	-	-	**4**
TOWNGAS	Y	1	0	0	0	0	0	0
DRYCLEANERS	Y	0.25	0	0	**1**	-	-	**1**
DELISTED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
USD	Y	0.5	0	0	0	0	-	0
CRO	Y	PO	0	-	-	-	-	0
SIAB	Y	PO	0	-	-	-	-	0
PFAS	Y	0.5	0	0	0	0	-	0
PFAS PWS	Y	0.5	0	0	0	0	-	0
UIC	Y	PO	0	-	-	-	-	0
AIR PERMITS	Y	0.25	0	**2**	**1**	-	-	**3**
Tribal	***No Tribal additional environmental record sources available for this State.***							
County	***No County additional environmental record sources available for this State.***							
Total:			0	**10**	**6**	**29**	**6**	**51**

**** PO – Property Only***
**** 'Property and adjoining properties' database search radii are set at 0.25 miles.***

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Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number

No records found in the selected databases for the project property.

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Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	SPILLS		3350 BROOKSIDE FRANKLIN OH	ESE	0.02 / 95.04	-8	25
2	SPILLS		3499 WILSON WOODS DR (TWIN CREEK APPARTMENTS) COLUMBUS OH ***Case No/Spill ID | Spill No:*** 0405EPA0001802 |	WNW	0.06 / 339.40	3	25
3	UST	UNITED DAIRY FARMERS #670	1188 N WILSON RD COLUMBUS OH 43204 ***Facility No:*** 25002748 ***Tank No | Status:*** T00001 | CIU - Currently In Use, T00002 | CIU - Currently In Use, T00003 | CIU - Currently In Use	WSW	0.10 / 521.26	12	27
3	DELISTED LST	UNITED DAIRY FARMERS #670	1188 N WILSON RD COLUMBUS OH 43204	WSW	0.10 / 521.26	12	29
3	LUST	UNITED DAIRY FARMERS #670	1188 N WILSON RD COLUMBUS OH 43204 ***Release No:*** 25002748-N00001 ***Facility Status | LTF Status | Date Last Change:*** Inactive | 1 SUS/CON from regulated UST | 6/16/2017	WSW	0.10 / 521.26	12	30
3	AIR PERMITS	UNITED DAIRY FARMERS NO 670	1188 WILSON RD COLUMBUS OH 43228	WSW	0.10 / 521.26	12	31
4	SPILLS		3811 TWIN CREEKS DR OFF OF WILSON RD COLUMBUS OH ***Case No/Spill ID | Spill No:*** 1208EPA0001886 |	WSW	0.12 / 635.62	6	31
4	SPILLS		3827 Twin Creeks Dr COLUMBUS OH 43204 ***Case No/Spill ID | Spill No:*** 2006EPA0000801 |	WSW	0.12 / 635.62	6	33
5	UST	CIRCLE K #5269	3749 TWIN CREEKS DRIVE COLUMBUS OH 43201 ***Facility No:*** 25007350 ***Tank No | Status:*** T00002 | CIU - Currently In Use, T00003 | CIU - Currently In Use, T00001 | CIU - Currently In Use	WSW	0.12 / 637.99	11	34
5	AIR PERMITS	CIRCLE K# 5269	3749 TWIN CREEKS DR Columbus OH 43204	WSW	0.12 / 637.99	11	37
6	RCRA VSQG	ACCURATE IT SERVICES	3840 TWIN CREEKS DR COLUMBUS OH 43204 ***EPA Handler ID:*** OHR000155739	WSW	0.24 / 1,242.57	20	37
7	RCRA SQG	VECTRA INC	3950 BUSINESS PARK DR COLUMBUS OH 43204	WSW	0.24 / 1,256.88	19	39

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
			EPA Handler ID: OHR000167627				
7	DRYCLEANERS	Vectra Visual INC.	3990 BUSINESS PARK DR Columbus OH 43204	WSW	0.24 / 1,256.88	19	40
7	AIR PERMITS	Vectra Visual INC.	3990 BUSINESS PARK DR Columbus OH 43204	WSW	0.24 / 1,256.88	19	40
7	RCRA NON GEN	MARKETING SERVICES BY VECTRA INC	3990 BUSINESS PARK DR COLUMBUS OH 43204-5021	WSW	0.24 / 1,256.88	19	42
			EPA Handler ID: OHR000005686				
8	RCRA NON GEN	TISSUE DISPOSAL SERVICE INC	3257 COLONY VISTA LN COLUMBUS OH 43204	ESE	0.24 / 1,290.62	-12	43
			EPA Handler ID: OHD981528375				
9	LUST	FEDERAL EXPRESS CMH STATION	3660 INTERCHANGE RD COLUMBUS OH 43204	SW	0.37 / 1,928.52	16	45
			Release No: 25003237-N00001 ***Facility Status | LTF Status | Date Last Change:*** Inactive | 6 Closure of regulated UST | 4/10/1997				
10	LUST	Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	13	46
			Release No: 25009634-N00001 ***Facility Status | LTF Status | Date Last Change:*** Inactive | 1 SUS/CON from regulated UST | 11/19/2003				
10	LUST	Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	13	47
			Release No: 25009634-N00002 ***Facility Status | LTF Status | Date Last Change:*** Inactive | 1 SUS/CON from regulated UST | 11/6/2003				
10	LUST	Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	13	49
			Release No: 25009634-N00003 ***Facility Status | LTF Status | Date Last Change:*** Inactive | 1 SUS/CON from regulated UST | 12/1/2003				
10	LUST	Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	13	50
			Release No: 25009634-N00004 ***Facility Status | LTF Status | Date Last Change:*** Inactive | 1 SUS/CON from regulated UST | 1/19/2005				
10	LUST	Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	13	51
			Release No: 25009634-N00006 ***Facility Status | LTF Status | Date Last Change:*** Inactive | 1 SUS/CON from regulated UST | 11/25/2009				
10	LUST	Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	13	53
			Release No: 25009634-N00007 ***Facility Status | LTF Status | Date Last Change:*** Inactive | 1 SUS/CON from regulated UST | 9/12/2008				
10	LUST	Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	13	54
			Release No: 25009634-N00008 ***Facility Status | LTF Status | Date Last Change:*** Inactive | 1 SUS/CON from regulated UST | 11/20/2018				

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Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
10	LUST	Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	13	55
			Release No: 25009634-N00009 ***Facility Status | LTF Status | Date Last Change:*** Inactive | 1 SUS/CON from regulated UST | 3/21/2011				
10	LUST	Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	13	56
			Release No: 25009634-N00010 ***Facility Status | LTF Status | Date Last Change:*** Inactive | 1 SUS/CON from regulated UST | 7/28/2011				
10	LUST	Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	13	58
			Release No: 25009634-N00011 ***Facility Status | LTF Status | Date Last Change:*** Inactive | 1 SUS/CON from regulated UST | 2/16/2012				
10	LUST	Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	13	59
			Release No: 25009634-N00012 ***Facility Status | LTF Status | Date Last Change:*** Inactive | 1 SUS/CON from regulated UST | 11/28/2018				
10	DELISTED LST	Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	13	60
10	DELISTED LST	Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	13	61
10	DELISTED LST	Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	13	61
10	LUST	Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	13	61
			Release No: 25009634-N00013 ***Facility Status | LTF Status | Date Last Change:*** Inactive | 1 SUS/CON from regulated UST | 3/11/2015				
10	DELISTED LST	Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	13	63
10	LUST	Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	13	63
			Release No: 25009634-N00014 ***Facility Status | LTF Status | Date Last Change:*** Inactive | 1 SUS/CON from regulated UST | 1/19/2017				
10	DELISTED LST	Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	13	64
10	LUST	Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	13	65
			Release No: 25009634-N00015 ***Facility Status | LTF Status | Date Last Change:*** Inactive | 1 SUS/CON from regulated UST | 6/30/2017				

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Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
10	DELISTED LST	Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	13	66
10	LUST	Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	13	66
			Release No: 25009634-N00016 ***Facility Status | LTF Status | Date Last Change:*** Inactive | 1 SUS/CON from regulated UST | 8/23/2018				
10	DELISTED LST	Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	13	68
10	LUST	Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	13	68
			Release No: 25009634-N00005				
10	LUST	Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	13	69
			Release No: 25009634-N00017 ***Facility Status | LTF Status | Date Last Change:*** Active | 6 Closure of regulated UST | 8/26/2021				
10	LUST	Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	13	70
			Release No: 25009634-N00018 ***Facility Status | LTF Status | Date Last Change:*** Inactive | 1 SUS/CON from regulated UST | 7/8/2021				
10	LUST	Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	13	71
			Release No: 25009634-N00019 ***Facility Status | LTF Status | Date Last Change:*** Active | 1 SUS/CON from regulated UST | 3/10/2023				
10	LUST	Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	13	72
			Release No: 25009634-N00020 ***Facility Status | LTF Status | Date Last Change:*** Active | 6 Closure of regulated UST | 5/31/2023				
11	LUST	CLARK GRAPHICS, INC.	1550 WILSON RD COLUMBUS OH 43204	WNW	0.44 / 2,325.73	16	73
			Release No: 25009004-N00001 ***Facility Status | LTF Status | Date Last Change:*** Inactive | 6 Closure of regulated UST | 9/14/1994				
12	RCRA CORRACTS	UNIVAR SOLUTIONS USA INC COLUMBUS	3849 FISHER RD COLUMBUS OH 43228	SSW	0.79 / 4,174.95	11	75
			EPA Handler ID: OHD000816736				
12	DERR	Ashland Chemical Co, Columbus	3849 Fisher Rd Columbus OH 43228	SSW	0.79 / 4,174.95	11	110
13	DERR	Marathon Ashland Petro Columbus Asphalt Terminal 3737 Fisher Rd	3737 Fisher Rd Columbus OH 43228-	SSW	0.80 / 4,243.30	9	110
14	DERR	Shell Oil Co, Columbus, 3651 Fisher Rd	3651 Fisher Rd Columbus OH 43204	SSW	0.81 / 4,279.35	9	110

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Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
15	DERR	Marathon Ashland Petroleum Columbus W Terminal, 4125 Fisher Rd	4125 Fisher Rd Columbus OH 43228-	SW	0.87 / 4,591.67	31	111
16	DERR	Ohio Waste Oil Co Inc, Columbus	3237 McKinley Ave Columbus OH 43204	NE	0.95 / 5,008.99	-37	111

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Executive Summary: Summary by Data Source

Standard

Federal

RCRA CORRACTS - RCRA CORRACTS-Corrective Action

A search of the RCRA CORRACTS database, dated Oct 2, 2023 has found that there are 1 RCRA CORRACTS site(s) within approximately 1.00miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
UNIVAR SOLUTIONS USA INC COLUMBUS	3849 FISHER RD COLUMBUS OH 43228 ***EPA Handler ID**: OHD000816736*	SSW	0.79 / 4,174.95	12

RCRA SQG - RCRA Small Quantity Generators List

A search of the RCRA SQG database, dated Oct 2, 2023 has found that there are 1 RCRA SQG site(s) within approximately 0.25miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
VECTRA INC	3950 BUSINESS PARK DR COLUMBUS OH 43204 ***EPA Handler ID**: OHR000167627*	WSW	0.24 / 1,256.88	7

RCRA VSQG - RCRA Very Small Quantity Generators List

A search of the RCRA VSQG database, dated Oct 2, 2023 has found that there are 1 RCRA VSQG site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
ACCURATE IT SERVICES	3840 TWIN CREEKS DR COLUMBUS OH 43204 ***EPA Handler ID**: OHR000155739*	WSW	0.24 / 1,242.57	6

RCRA NON GEN - RCRA Non-Generators

A search of the RCRA NON GEN database, dated Oct 2, 2023 has found that there are 2 RCRA NON GEN site(s) within approximately 0.25miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MARKETING SERVICES BY VECTRA INC	3990 BUSINESS PARK DR COLUMBUS OH 43204-5021 ***EPA Handler ID**: OHR000005686*	WSW	0.24 / 1,256.88	7

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
TISSUE DISPOSAL SERVICE INC	3257 COLONY VISTA LN COLUMBUS OH 43204	ESE	0.24 / 1,290.62	8
	***EPA Handler ID**: OHD981528375*			

State

DERR - Division of Environmental Response & Revitalization Database

A search of the DERR database, dated Oct 19, 2023 has found that there are 5 DERR site(s) within approximately 1.00miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Ashland Chemical Co, Columbus	3849 Fisher Rd Columbus OH 43228	SSW	0.79 / 4,174.95	12
Marathon Ashland Petro Columbus Asphalt Terminal 3737 Fisher Rd	3737 Fisher Rd Columbus OH 43228-	SSW	0.80 / 4,243.30	13
Shell Oil Co, Columbus, 3651 Fisher Rd	3651 Fisher Rd Columbus OH 43204	SSW	0.81 / 4,279.35	14
Marathon Ashland Petroleum Columbus W Terminal, 4125 Fisher Rd	4125 Fisher Rd Columbus OH 43228-	SW	0.87 / 4,591.67	15

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
Ohio Waste Oil Co Inc, Columbus	3237 McKinley Ave Columbus OH 43204	NE	0.95 / 5,008.99	16

LUST - Ohio Leaking Underground Storage Tanks (LUST)

A search of the LUST database, dated Nov 3, 2023 has found that there are 23 LUST site(s) within approximately 0.50miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
UNITED DAIRY FARMERS #670	1188 N WILSON RD COLUMBUS OH 43204	WSW	0.10 / 521.26	3
	***Release No**: 25002748-N00001* ***Facility Status | LTF Status | Date Last Change**: Inactive | 1 SUS/CON from regulated UST | 6/16/2017*			
FEDERAL EXPRESS CMH STATION	3660 INTERCHANGE RD COLUMBUS OH 43204	SW	0.37 / 1,928.52	9
	***Release No**: 25003237-N00001* ***Facility Status | LTF Status | Date Last Change**: Inactive | 6 Closure of regulated UST | 4/10/1997*			
Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	10

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
	***Release No**: 25009634-N00015* ***Facility Status | LTF Status | Date Last Change**: Inactive | 1 SUS/CON from regulated UST | 6/30/2017*			
Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	10
	***Release No**: 25009634-N00001* ***Facility Status | LTF Status | Date Last Change**: Inactive | 1 SUS/CON from regulated UST | 11/19/2003*			
Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	10
	***Release No**: 25009634-N00002* ***Facility Status | LTF Status | Date Last Change**: Inactive | 1 SUS/CON from regulated UST | 11/6/2003*			
Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	10
	***Release No**: 25009634-N00003* ***Facility Status | LTF Status | Date Last Change**: Inactive | 1 SUS/CON from regulated UST | 12/1/2003*			
Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	10
	***Release No**: 25009634-N00004* ***Facility Status | LTF Status | Date Last Change**: Inactive | 1 SUS/CON from regulated UST | 1/19/2005*			
Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	10
	***Release No**: 25009634-N00006* ***Facility Status | LTF Status | Date Last Change**: Inactive | 1 SUS/CON from regulated UST | 11/25/2009*			
Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	10
	***Release No**: 25009634-N00007* ***Facility Status | LTF Status | Date Last Change**: Inactive | 1 SUS/CON from regulated UST | 9/12/2008*			
Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	10
	***Release No**: 25009634-N00011* ***Facility Status | LTF Status | Date Last Change**: Inactive | 1 SUS/CON from regulated UST | 2/16/2012*			
Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	10
	***Release No**: 25009634-N00012* ***Facility Status | LTF Status | Date Last Change**: Inactive | 1 SUS/CON from regulated UST | 11/28/2018*			
Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	10
	***Release No**: 25009634-N00013* ***Facility Status | LTF Status | Date Last Change**: Inactive | 1 SUS/CON from regulated UST | 3/11/2015*			
Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	10
	***Release No**: 25009634-N00014* ***Facility Status | LTF Status | Date Last Change**: Inactive | 1 SUS/CON from regulated UST | 1/19/2017*			
Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	10
	***Release No**: 25009634-N00017* ***Facility Status | LTF Status | Date Last Change**: Active | 6 Closure of regulated UST | 8/26/2021*			
Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	10

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
	***Release No**: 25009634-N00018* ***Facility Status | LTF Status | Date Last Change**: Inactive | 1 SUS/CON from regulated UST | 7/8/2021*			
Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	10
	***Release No**: 25009634-N00019* ***Facility Status | LTF Status | Date Last Change**: Active | 1 SUS/CON from regulated UST | 3/10/2023*			
Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	10
	***Release No**: 25009634-N00020* ***Facility Status | LTF Status | Date Last Change**: Active | 6 Closure of regulated UST | 5/31/2023*			
Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	10
	***Release No**: 25009634-N00008* ***Facility Status | LTF Status | Date Last Change**: Inactive | 1 SUS/CON from regulated UST | 11/20/2018*			
Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	10
	***Release No**: 25009634-N00009* ***Facility Status | LTF Status | Date Last Change**: Inactive | 1 SUS/CON from regulated UST | 3/21/2011*			
Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	10
	***Release No**: 25009634-N00010* ***Facility Status | LTF Status | Date Last Change**: Inactive | 1 SUS/CON from regulated UST | 7/28/2011*			
Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	10
	***Release No**: 25009634-N00016* ***Facility Status | LTF Status | Date Last Change**: Inactive | 1 SUS/CON from regulated UST | 8/23/2018*			
Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	10
	***Release No**: 25009634-N00005*			
CLARK GRAPHICS, INC.	1550 WILSON RD COLUMBUS OH 43204	WNW	0.44 / 2,325.73	11
	***Release No**: 25009004-N00001* ***Facility Status | LTF Status | Date Last Change**: Inactive | 6 Closure of regulated UST | 9/14/1994*			

DELISTED LST - Delisted Petroleum Release List

A search of the DELISTED LST database, dated Nov 3, 2023 has found that there are 8 DELISTED LST site(s) within approximately 0.50miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
UNITED DAIRY FARMERS #670	1188 N WILSON RD COLUMBUS OH 43204	WSW	0.10 / 521.26	3
Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	10

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	10
Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	10
Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	10
Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	10
Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	10
Pilot Travel Center #213	3600 INTERCHANGE RD COLUMBUS OH 43204	SSW	0.40 / 2,092.51	10

UST - Ohio Registered Underground Storage Tanks (UST)

A search of the UST database, dated Nov 3, 2023 has found that there are 2 UST site(s) within approximately 0.25miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
UNITED DAIRY FARMERS #670	1188 N WILSON RD COLUMBUS OH 43204	WSW	0.10 / 521.26	3
	***Facility No**: 25002748* ***Tank No | Status**: T00001 | CIU - Currently In Use, T00002 | CIU - Currently In Use, T00003 | CIU - Currently In Use*			
CIRCLE K #5269	3749 TWIN CREEKS DRIVE COLUMBUS OH 43201	WSW	0.12 / 637.99	5
	***Facility No**: 25007350* ***Tank No | Status**: T00002 | CIU - Currently In Use, T00003 | CIU - Currently In Use, T00001 | CIU - Currently In Use*			

Non Standard

State

SPILLS - Ohio Emergency Response (ER) Spills data

A search of the SPILLS database, dated May 25, 2022 has found that there are 4 SPILLS site(s) within approximately 0.12miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
	3499 WILSON WOODS DR (TWIN CREEK APPARTMENTS) COLUMBUS OH ***Case No/Spill ID* | *Spill No**: 0405EPA0001802* |	WNW	0.06 / 339.40	2
	3811 TWIN CREEKS DR OFF OF WILSON RD COLUMBUS OH ***Case No/Spill ID* | *Spill No**: 1208EPA0001886* |	WSW	0.12 / 635.62	4
	3827 Twin Creeks Dr COLUMBUS OH 43204 ***Case No/Spill ID* | *Spill No**: 2006EPA0000801* |	WSW	0.12 / 635.62	4

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
	3350 BROOKSIDE FRANKLIN OH	ESE	0.02 / 95.04	1

DRYCLEANERS - Dry Cleaning Facilities

A search of the DRYCLEANERS database, dated Jul 4, 2023 has found that there are 1 DRYCLEANERS site(s) within approximately 0.25miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Vectra Visual INC.	3990 BUSINESS PARK DR Columbus OH 43204	WSW	0.24 / 1,256.88	7

AIR PERMITS - Permit by Rule Air Facilities

A search of the AIR PERMITS database, dated Oct 2, 2023 has found that there are 3 AIR PERMITS site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
UNITED DAIRY FARMERS NO 670	1188 WILSON RD COLUMBUS OH 43228	WSW	0.10 / 521.26	3
CIRCLE K# 5269	3749 TWIN CREEKS DR Columbus OH 43204	WSW	0.12 / 637.99	5
Vectra Visual INC.	3990 BUSINESS PARK DR Columbus OH 43204	WSW	0.24 / 1,256.88	7

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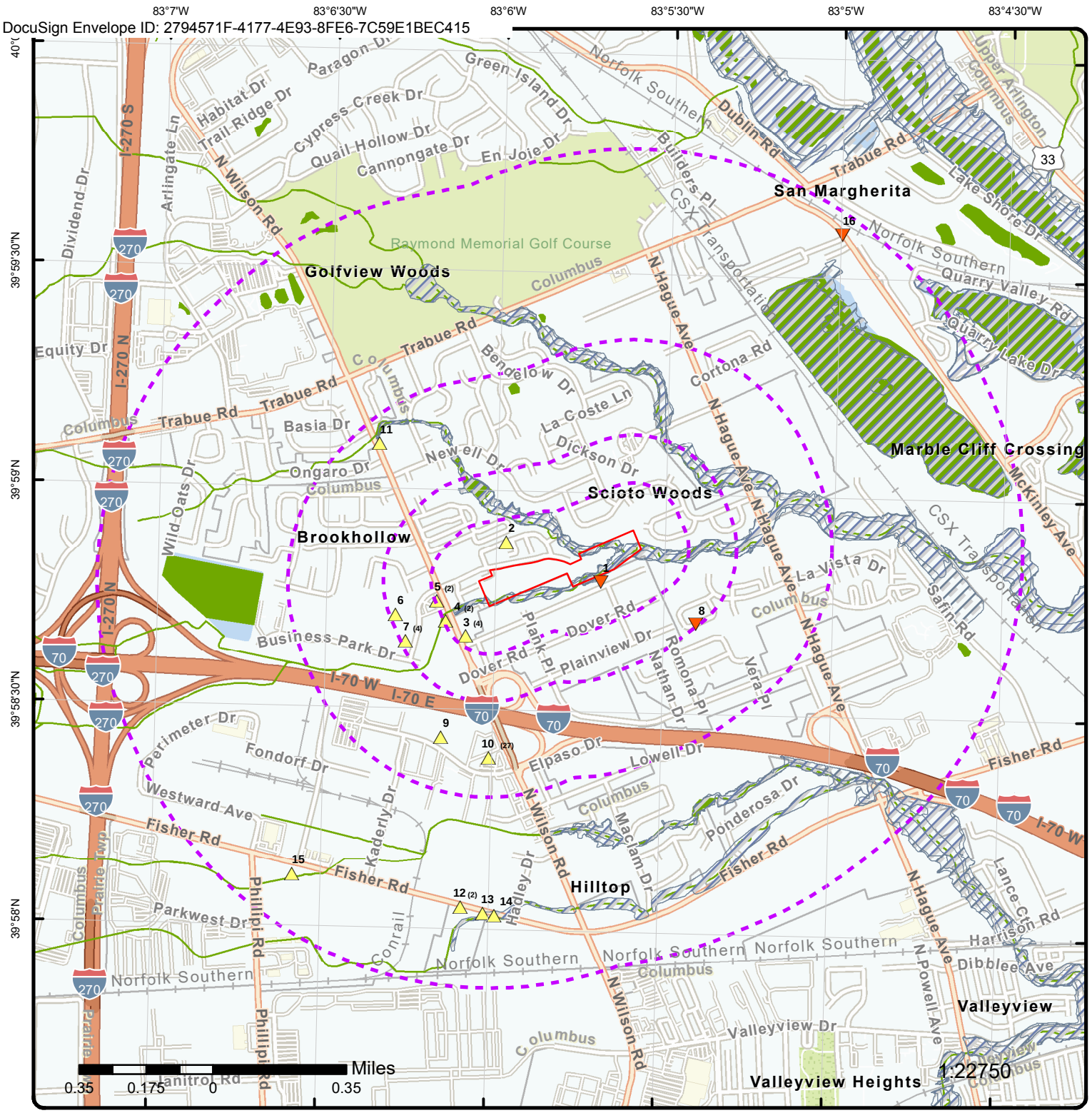

Map: 1.0 Mile Radius

Order Number: 24011500155

Address: Wilson Road and Twin Creek Drive, Columbus, OH

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

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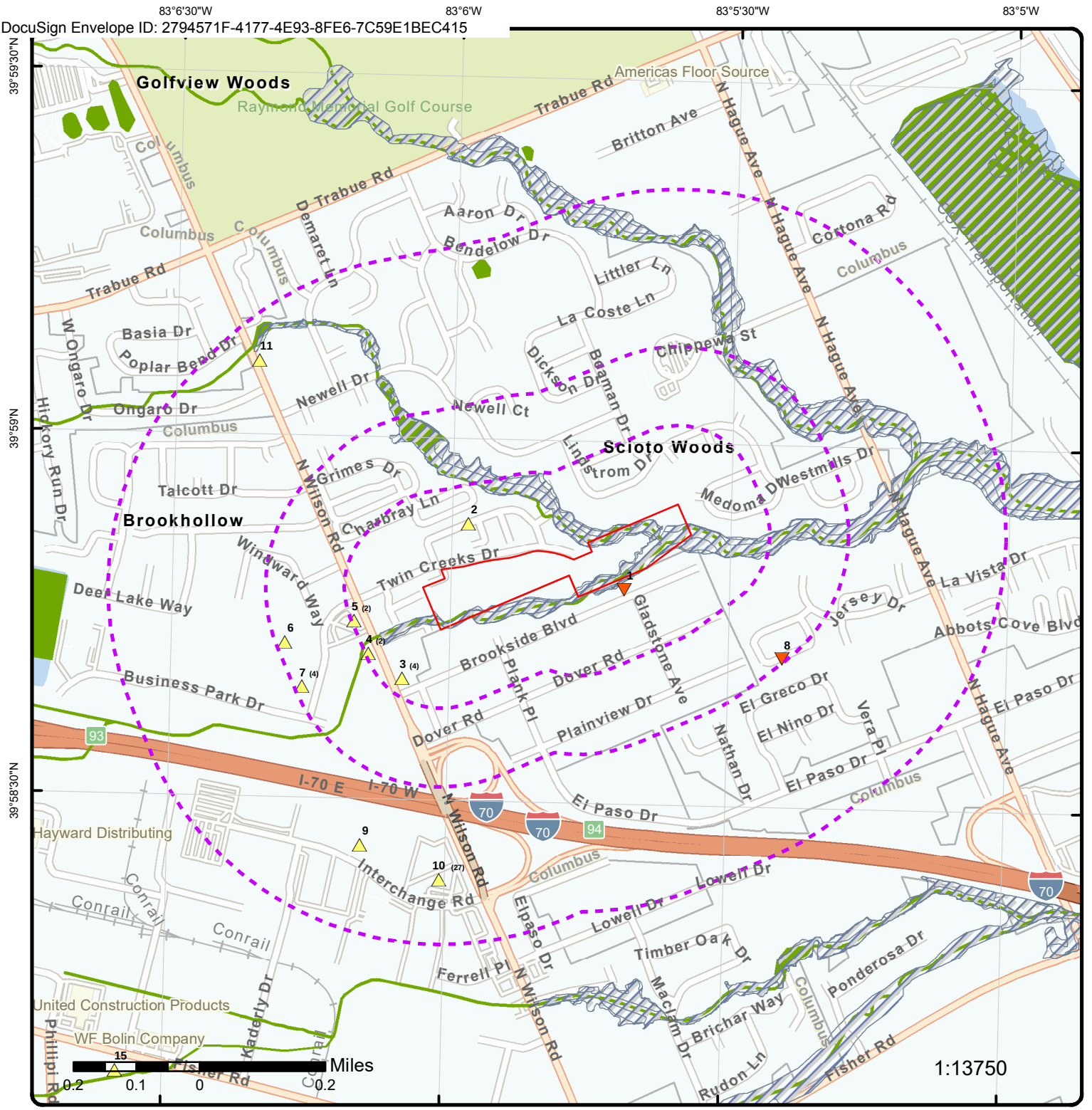

Map: 0.5 Mile Radius

Order Number: 24011500155

Address: Wilson Road and Twin Creek Drive, Columbus, OH

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

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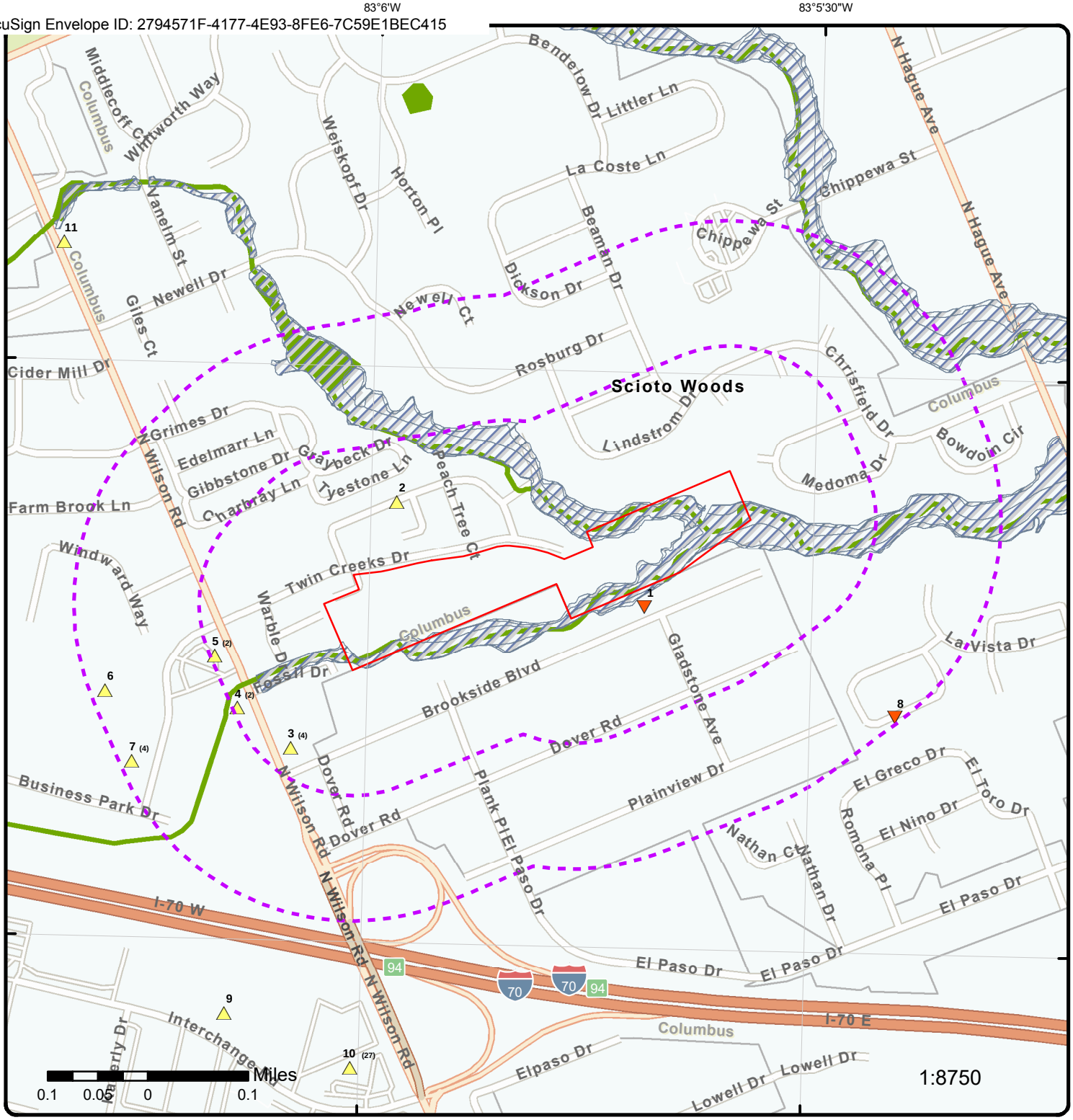

Map: 0.25 Mile Radius

Order Number: 24011500155

Address: Wilson Road and Twin Creek Drive, Columbus, OH

- Project Property
- Buffer Outline
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- Areas with Higher Elevation
- Areas with Same Elevation
- Areas with Lower Elevation
- Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Wetland
- Indian Reserve Land
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- National Priorities List (Active, Delisted, Proposed, Institutional Control)

Source: © 2021 ESRI StreetMap Premium

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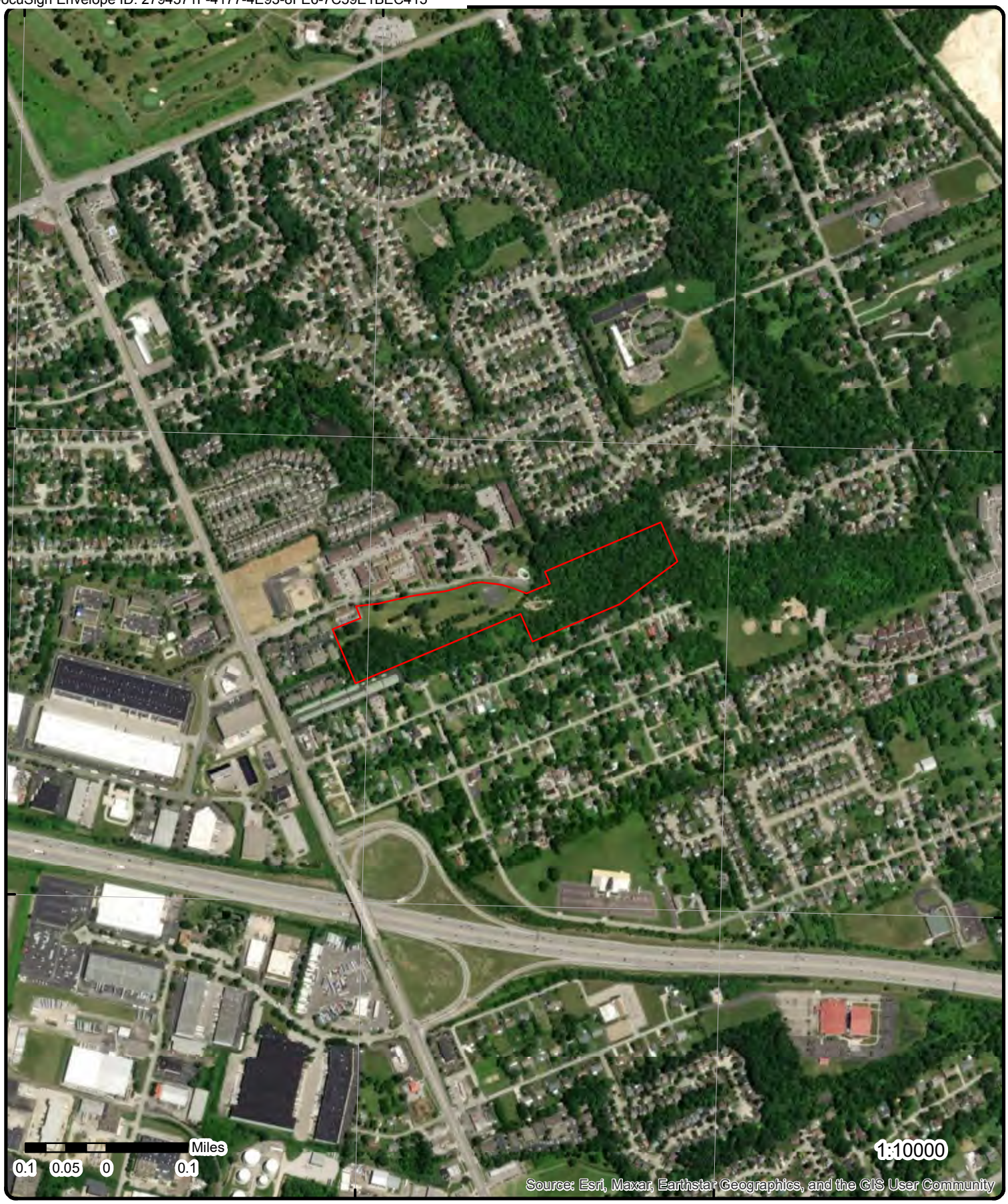

Aerial Year: 2022

Order Number: 24011500155

Address: Wilson Road and Twin Creek Drive, Columbus, OH

Source: ESRI World Imagery

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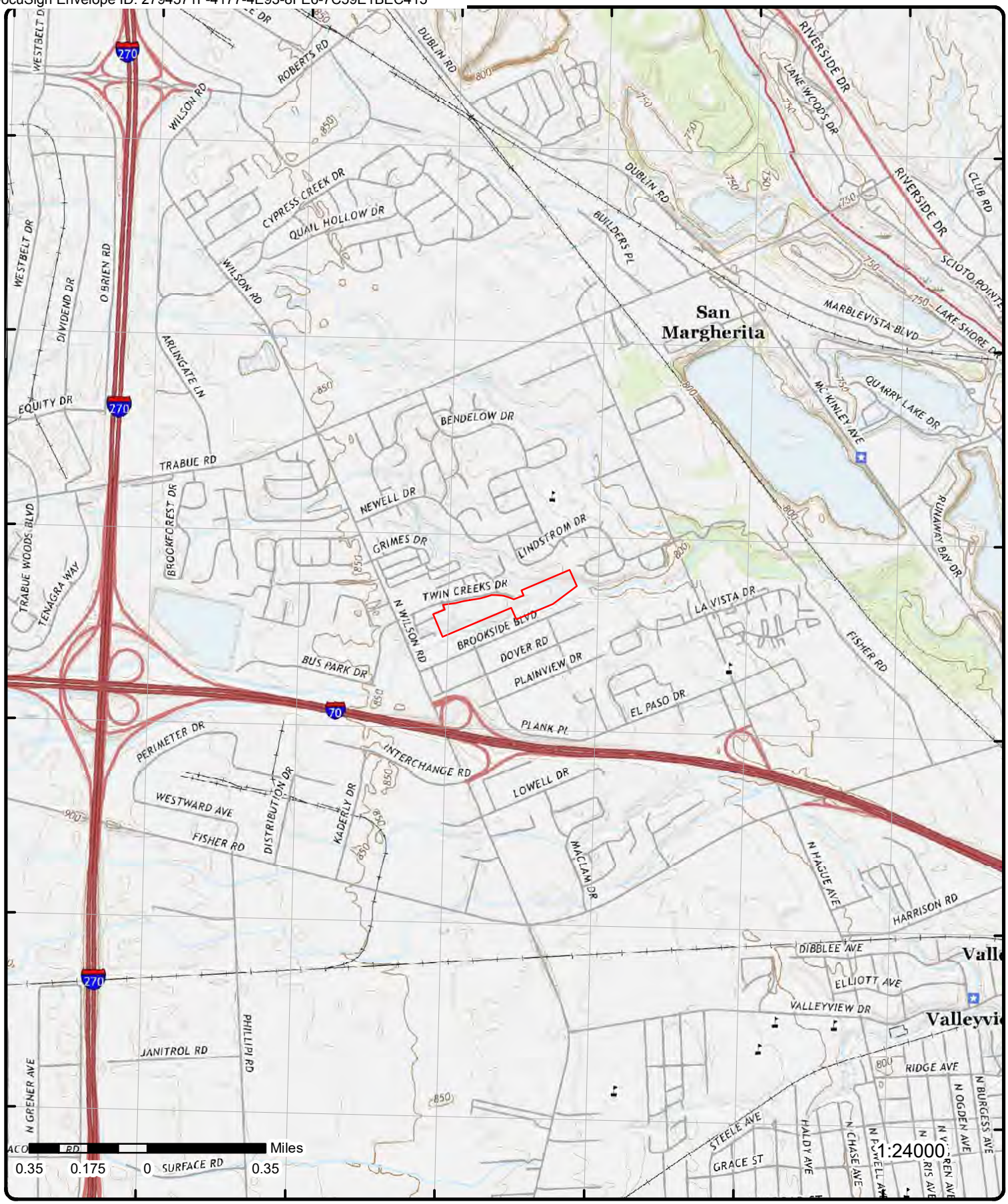

Topographic Map

Year: 2019

Order Number: 24011500155

Address: Wilson Road and Twin Creek Drive, OH

Quadrangle(s): Hilliard OH, Southwest Columbus OH, Northwest Columbus OH, Galloway OH

Source: USGS Topographic Map

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DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of1	ESE	0.02 / 95.04	823.77 / -8	3350 BROOKSIDE FRANKLIN OH	SPILLS

Case No/Spill ID:
Spill No:
4 Digit No: 3436
Reported On: 8/2/1994 00:00:00
Spill Year: 1994
Spill Month: 8
Spill Month No:
Spill DOM:
Spill DOY:
Spiller Report:
Phone Followup: NO
District: CD
County: 25
Latitude:
Longitude:
City Twn (EPA):
OEPA Dist (EPA):
County (EPA):
Latitude (EPA):
Longitude (EPA):
OEPA Dist (Ohio):
County No (Ohio):
IIR Name:
Affiliation:
Location: 3350 BROOKSIDE
City Twp: FRANKLIN
Zip Code:
Spill Location (Ohio):
City Twn (Ohio):
Zip Code (Ohio):
Spill Location (Hist):
City Twn (Hist):
Location (Rel):
City Twn (Rel):
City Twn (Rel 2):
Data Source:

County (Ohio):
Latitude (Ohio):
Longitude (Ohio):
City Twn (Prod):
OEPA Dist (Prod):
County No (Prod):
County (Prod):
Latitude (Prod):
Longitude (Prod):
OEPA Dist (Hist):
County (Hist):
Latitude (Hist):
Longitude (Hist):
OEPA Dist (Rel 2):
County (Rel 2):
Latitude (Rel 2):
Longitude (Rel 2):
OEPA Dist (Rel):
County (Rel):
Latitude (Rel):
Longitude (Rel):

Historical Release Details

Product Name: MATERIAL UNKNOWN
Media Affected:
Acutal Amount:
Unit of Measure:
Entity: UNK
Reported By: MR. MUNK
Spill Month: 8
Spill Year: 1994

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	1 of1	WNW	0.06 / 339.40	834.21 / 3	3499 WILSON WOODS DR (TWIN CREEK APPARTMENTS) COLUMBUS OH	SPILLS

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Case No/Spill ID:	0405EPA0001802	**County (Ohio):**	
Spill No:		**Latitude (Ohio):**	
4 Digit No:		**Longitude (Ohio):**	
Reported On:		**City Twn (Prod):**	
Spill Year:		**OEPA Dist (Prod):**	
Spill Month:		**County No (Prod):**	
Spill Month No:		**County (Prod):**	
Spill DOM:		**Latitude (Prod):**	
Spill DOY:		**Longitude (Prod):**	
Spiller Report:		**OEPA Dist (Hist):**	CDO
Phone Followup:		**County (Hist):**	Franklin
District:		**Latitude (Hist):**	39.98152778
County:		**Longitude (Hist):**	-83.09955556
Latitude:		**OEPA Dist (Rel 2):**	CDO
Longitude:		**County (Rel 2):**	Franklin
City Twn (EPA):		**Latitude (Rel 2):**	39.98152778
OEPA Dist (EPA):		**Longitude (Rel 2):**	-83.09955556
County (EPA):		**OEPA Dist (Rel):**	CDO
Latitude (EPA):		**County (Rel):**	Franklin
Longitude (EPA):		**Latitude (Rel):**	39.98152778
OEPA Dist (Ohio):		**Longitude (Rel):**	-83.09955556
County No (Ohio):			
IIR Name:			
Affiliation:			
Location:			
City Twp:			
Zip Code:			
Spill Location (Ohio):			
City Twn (Ohio):			
Zip Code (Ohio):			
Spill Location (Hist):	3499 WILSON WOODS DR (TWIN CREEK APPARTMENTS)		
City Twn (Hist):	COLUMBUS		
Location (Rel):	3499 WILSON WOODS DR (TWIN CREEK APPARTMENTS)		
City Twn (Rel):	COLUMBUS		
City Twn (Rel 2):	COLUMBUS		
Data Source:	Spill Sites Historic; Historic Spills and Releases 2; Historic Spills and Releases		

Spill Sites Historic Details

Spill Year:	2004	**Reprted Date:**	5/5/2004, 4:50 AM
Spill Month:	May	**Latitude:**	39.98152778
Spill Mth No:	5	**Longitude:**	-83.09955556
Spill DoM:	5	**X:**	-83.09955132962642
Spill DoY:	126	**Y:**	39.98152003671552
Waterway:	SCIOTO RIVER TRIBUTARY STORM SEWER CATCH BASIN		

Historic Spills and Releases 2 Details

Spill Month:	5	**Recov Amount:**	
Spill DOM:	5	**Recov Unit:**	
Spill Year:	2004	**Recov Product Type:**	Unknown or Unassigned
Spill Month No:	5	**Latitude:**	39.98152778
Spill DOY:	126	**Longitude:**	-83.09955556
Reported Date:	5/5/2004, 4:50 AM	**X:**	-83.09955132962642
Reported Amount:	35	**Y:**	39.98152003671552
Reported UOM:			
Reported Product:	OIL (HYDRAULIC OIL)		
Waterway:	SCIOTO RIVER TRIBUTARY STORM SEWER CATCH BASIN		

Historic Spills and Releases Details

Spill Year:	2004	**Ext Haz:**	
Spill Month:	5	**Disposition:**	
Spill Month No:	5	**CRS:**	4326
Spill DOM:	5	**Geometry Type:**	esriGeometryPoint

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Spill Day of Year:	126	**Latitude:**	39.98152778
Amount:	35	**Longitude:**	-83.09955556
Unit:		**X:**	-83.09956
Reported On:	5/5/2004, 4:50 AM	**Y:**	39.981536
Product:	OIL (HYDRAULIC OIL)		
Spill Size:	SMALL: 500 GAL/400 LBS		
Spill Type:			
Incident Type Code:	05		
Incident Type:	WATERWAY		
Modifying Circumstance Code:			
Modifying Circumstance:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
3	1 of4	WSW	0.10 / 521.26	843.14 / 12	UNITED DAIRY FARMERS #670 1188 N WILSON RD COLUMBUS OH 43204	UST

Facility No:	25002748
Facility No (Web):	25002748
Facility Name (Web):	UNITED DAIRY FARMERS #670
Address (Web):	1188 N WILSON RD
City (Web):	COLUMBUS
Zip (Web):	43204
County (Web):	Franklin
Latitude (Web):	39.97808
Longitude (Web):	-83.10140
State (Web):	Ohio
Facility No (Web2):	
Facility Name (Web2):	
Address (Web2):	
City (Web2):	
Zip (Web2):	
Latitude (Web2):	
Longitude (Web2):	
State (Web2):	
County (Web2):	
Fac No (Map):	25002748
Fac Name (Map):	UNITED DAIRY FARMERS #670
Address (Map):	1188 N WILSON RD
City (Map):	COLUMBUS
State (Map):	Ohio
Zip (Map):	43204
County (Map):	Franklin
Latitude (Map):	39.97787
Longitude (Map):	-83.10108
Address (OTTER):	1188 N WILSON RD
City (OTTER):	COLUMBUS
State (OTTER):	
Zip (OTTER):	43204
County (OTTER):	Franklin
Data Source:	Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Underground Storage Tanks Lookup - List of Active Registered Facilities (Web); Map Services Directory: BUSTR (MapServer): All Facility Tanks (Map)

Ohio Tank Tracking & Environmental Regulations (OTTER) Search

Old Incident ID:		**Date Reported:**	2/21/2017
Tank Status:	Active	**Own Business Name:**	UNITED DAIRY FARMERS
Facility URL:	https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#8149		
Release No URL:	https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=38987		

Underground Storage Tanks Lookup - List of Active Registered Facilities

Tank No:	T00001	**Date Last Used:**	
Status:	CIU - Currently In Use	**UST Capacity:**	12000
UST:	UST	**Tank Content:**	Gasoline
Regulated:	YES	**Abandon Approve:**	
Facility Type:	Gas Station	**UST Configurations:**	SW - Single Wall

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Installation Date:	10/01/1991	**CAS No:**	8006-61-9
Date Removed:		**Sensitive Area:**	NO
Date TCL Closed:		**Dt of Sensitivity:**	
Owner Name:	UNITED DAIRY FARMERS		
Owner Address:	3955 MONTGOMERY RD		
Owner City:	CINCINNATI		
Owner State:	OH		
Owner Zip:	45212		
Construction:	FRP-Fiberglass Reinforced Plastic		
Construction Comments:			
Overfill Prevention:	FILL - Fill Pipe (drop tube flapper)		
Overfill Prev Comments:			
Prmry Release Detection:	ATG - Automatic Tank Gauging		
2ndary Release Detection:	ATG - Automatic Tank Gauging		
Release Detect Comments:			
Spill Prevention Manholes:	SB - Spill Containment Manhole (bucket)		
Spill Prev Manhole Comment:			
Corrosion Protections:	NR - None Required by Rule		
Corrosion Protect Comments:			
Piping Configuration:	SW - Single Wall		
Piping Config Comment:			
Piping Styles:	P - Pressure		
Piping Construction:	FRP - Fiberglass Reinforced Plastic		
Piping Construct Comments:			
Piping Corrosion Protection:	NR - None required by rule		
Piping Corr Protect Comments:			
Piping Release Detection:	ELLD - Electronic Line Leak Detector		
Piping Rel Detect Comments:			
Comments:			

Tank No:	T00002	**Date Last Used:**	
Status:	CIU - Currently In Use	**UST Capacity:**	10000
UST:	UST	**Tank Content:**	Gasoline
Regulated:	YES	**Abandon Approve:**	
Facility Type:	Gas Station	**UST Configurations:**	SW - Single Wall
Installation Date:	10/01/1991	**CAS No:**	8006-61-9
Date Removed:		**Sensitive Area:**	NO
Date TCL Closed:		**Dt of Sensitivity:**	
Owner Name:	UNITED DAIRY FARMERS		
Owner Address:	3955 MONTGOMERY RD		
Owner City:	CINCINNATI		
Owner State:	OH		
Owner Zip:	45212		
Construction:	FRP-Fiberglass Reinforced Plastic		
Construction Comments:			
Overfill Prevention:	FILL - Fill Pipe (drop tube flapper)		
Overfill Prev Comments:			
Prmry Release Detection:	ATG - Automatic Tank Gauging		
2ndary Release Detection:	ATG - Automatic Tank Gauging		
Release Detect Comments:			
Spill Prevention Manholes:	SB - Spill Containment Manhole (bucket)		
Spill Prev Manhole Comment:			
Corrosion Protections:	NR - None Required by Rule		
Corrosion Protect Comments:			
Piping Configuration:	SW - Single Wall		
Piping Config Comment:			
Piping Styles:	P - Pressure		
Piping Construction:	FRP - Fiberglass Reinforced Plastic		
Piping Construct Comments:			
Piping Corrosion Protection:	NR - None required by rule		
Piping Corr Protect Comments:			
Piping Release Detection:	ELLD - Electronic Line Leak Detector		
Piping Rel Detect Comments:			
Comments:			

Tank No:	T00003	**Date Last Used:**	
Status:	CIU - Currently In Use	**UST Capacity:**	4000
UST:	UST	**Tank Content:**	Kerosene
Regulated:	YES	**Abandon Approve:**	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility Type:	Gas Station	**UST Configurations:**	SW - Single Wall
Installation Date:	10/01/1991	**CAS No:**	8008-20-6
Date Removed:		**Sensitive Area:**	NO
Date TCL Closed:		**Dt of Sensitivity:**	
Owner Name:	UNITED DAIRY FARMERS		
Owner Address:	3955 MONTGOMERY RD		
Owner City:	CINCINNATI		
Owner State:	OH		
Owner Zip:	45212		
Construction:	FRP-Fiberglass Reinforced Plastic		
Construction Comments:			
Overfill Prevention:	FILL - Fill Pipe (drop tube flapper)		
Overfill Prev Comments:			
Prmry Release Detection:	ATG - Automatic Tank Gauging		
2ndary Release Detection:	ATG - Automatic Tank Gauging		
Release Detect Comments:			
Spill Prevention Manholes:	SB - Spill Containment Manhole (bucket)		
Spill Prev Manhole Comment:			
Corrosion Protections:	NR - None Required by Rule		
Corrosion Protect Comments:			
Piping Configuration:	SW - Single Wall		
Piping Config Comment:			
Piping Styles:	P - Pressure		
Piping Construction:	FRP - Fiberglass Reinforced Plastic		
Piping Construct Comments:			
Piping Corrosion Protection:	NR - None required by rule		
Piping Corr Protect Comments:			
Piping Release Detection:	ELLD - Electronic Line Leak Detector		
Piping Rel Detect Comments:			
Comments:			

Map Services Directory: BUSTR (MapServer): All Facility Tanks

Tank No:	T00001	**Address Out:**	1188 N Wilson Rd
Status:	CIU - Currently In Use	**City Out:**	Columbus
Tank Content:	Gasoline	**State Out:**	OH
UST Capacity:	12000	**Zip Out:**	43204-4126
Label:	25002748 UNITED DAIRY FARMERS #670	**Match:**	S80
State:	Ohio	**LOC QUAL:**	MAF3
Lat:	39.97787	**LOC CONF:**	1
Lon:	-83.10108		

Tank No:	T00003	**Address Out:**	1188 N Wilson Rd
Status:	CIU - Currently In Use	**City Out:**	Columbus
Tank Content:	Kerosene	**State Out:**	OH
UST Capacity:	4000	**Zip Out:**	43204-4126
Label:	25002748 UNITED DAIRY FARMERS #670	**Match:**	S80
State:	Ohio	**LOC QUAL:**	MAF3
Lat:	39.97787	**LOC CONF:**	1
Lon:	-83.10108		

Tank No:	T00002	**Address Out:**	1188 N Wilson Rd
Status:	CIU - Currently In Use	**City Out:**	Columbus
Tank Content:	Gasoline	**State Out:**	OH
UST Capacity:	10000	**Zip Out:**	43204-4126
Label:	25002748 UNITED DAIRY FARMERS #670	**Match:**	S80
State:	Ohio	**LOC QUAL:**	MAF3
Lat:	39.97787	**LOC CONF:**	1
Lon:	-83.10108		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
3	2 of4	WSW	0.10 / 521.26	843.14 / 12	UNITED DAIRY FARMERS #670 1188 N WILSON RD COLUMBUS OH 43204	DELISTED LST

Delisted Petroleum Release List

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Incident No:		**Priority:**	
S. No:		**Class Code:**	D
Release No:	25002748 - N00001	**Class Desc:**	A viable RP has been identified
Release Date:	2/21/2017	**Rules:**	2012
Release Status:	SCK: Site Check	**Coordinator:**	David Israel
Facility Status:		**Rating:**	
Sub Status:	Required	**County:**	Franklin
LTF Status:	1 SUS/CON from regulated UST	**Facility Latitude:**	39.97808
FR Status:		**Facility Longitude:**	-83.10140
Last Update:	David Israel	**Source Name(s):**	
Last Update Date:	2/22/2017	**Source List:**	
Last Status Update:	2/22/2017	**Original Source:**	NLUT
Review Date:		**Record Date:**	14-JUN-2017
Date Unknown:			

3	***3 of4***	***WSW***	***0.10 / 521.26***	***843.14 / 12***	***UNITED DAIRY FARMERS #670 1188 N WILSON RD COLUMBUS OH 43204***	***LUST***

Release No:	25002748-N00001
Release No (Map):	25002748 - N00001
Facility Name (Map):	UNITED DAIRY FARMERS #670
Address (Map):	1188 N WILSON RD
City (Map):	COLUMBUS
Zip (Map):	43204
Latitude (Map):	39.97787
Longitude (Map):	-83.10108
Release No (Web):	25002748-N00001
Facility Name (Web):	UNITED DAIRY FARMERS #670
Address (Web):	1188 N WILSON RD
City (Web):	COLUMBUS
State (Web):	OH
Zip (Web):	43204
County (Web):	Franklin
Latitude (Web):	39.97808
Longitude (Web):	-83.10140
Release No (BUSTR):	25002748 - N00001
Facility Name (BUSTR):	UNITED DAIRY FARMERS #670
Address (BUSTR):	1188 N WILSON RD
City (BUSTR):	COLUMBUS
State (BUSTR):	Ohio
Zip (BUSTR):	43204
County (BUSTR):	Franklin
Latitude (BUSTR):	39.97808
Longitude (BUSTR):	-83.10140
Release No (OTTER):	N00001
Fac No and Name(OTTER):	25002748 (UNITED DAIRY FARMERS #670)
Address (OTTER):	1188 N WILSON RD
City (OTTER):	COLUMBUS
State (OTTER):	
Zip (OTTER):	43204
County (OTTER):	Franklin
Data Source:	Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

Facility Details with Active & Inactive Environmental Files

Facility Status:	Inactive	**Date Last Change:**	6/16/2017
LTF Status:	1 SUS/CON from regulated UST	**Review Date:**	06/16/2017
FR Status:	NFA: No Further Action	**Priority:**	
Release Date:	02/21/2017	**Class:**	D
Class Description:	A viable RP has been identified		

Ohio Tank Tracking & Environmental Regulations (OTTER) Search

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Old Incident ID:
Tank Status: Active
Facility: 25002748 (UNITED DAIRY FARMERS #670)
Facility Link: https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#8149
Release Link: https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=38987
Date Reported: 2/21/2017
Owner Busi Name: UNITED DAIRY FARMERS

Map Services Directory: BUSTR (MapServer): All Environmental

Object ID: 13129
FR Status: NFA: No Further Action
Label: 25002748 - N00001 UNITED DAIRY FARMERS #670
Release No: 25002748 - N00001
Address Out: 1188 N Wilson Rd
City Out: Columbus
State Out: OH
ZIP Out: 43204-4126
Lat: 39.97787
Long: -83.10108
Match: S80
LOC QUAL: MAF3
Facility Z: 43204
Loc Conf: 1
Date Processed: 1/1/1970, 12:36 AM

Active and Inactive Registered Underground Storage Tanks (BUSTR)

Incident No:
Status: NFA: No Further Action
Release Date: 2/21/2017
Last Status Updated: 6/16/2017
Substatus: Approved
Priority:
Class: D
Rules: 2012
Coordinator: David Israel
LTF: 1 SUS/CON from regulated UST
Rating:
Sequence No: 39615
Class Desc: A viable RP has been identified
Facility Name: UNITED DAIRY FARMERS #670
Facility Address: 1188 N WILSON RD
Facility City: COLUMBUS
Facility State: Ohio
Facility ZIP: 43204
Facility Latitude: 39.97808
Facility Longitude: -83.10140
Last Review Date: 6/16/2017
Last Update: Scott Sigler
Last Update Date: 6/16/2017
County: Franklin

3	4 of4	WSW	0.10 / 521.26	843.14 / 12	UNITED DAIRY FARMERS NO 670 1188 WILSON RD COLUMBUS OH 43228	AIR PERMITS

Facility ID: 0125042043

Facility Details

EPA Emu ID: G001
Emission Unit ID: Gasoline dispensing facility
Permit Nbr: PBR08103
Facility Name: UNITED DAIRY FARMERS NO 670
Address1: 1188 WILSON RD
Address2:
City: COLUMBUS
Zip: 43228
Effective Date: 10/6/2010 11:08:40 AM
Startup Dt:
Operating Status Cd: op
Permit Classification Cd: pbr
Design Capacity Units Cd:
EU Desc: One 12,000-gallon gasoline tank, one 10,000-gallon gasoline tank and one 4,000-gallon kerosene tank
PBR Type Dsc: Gasoline dispensing facility with Stage I controls
Requlated User Dsc: One 12,000-gallon gasoline tank, one 10,000-gallon gasoline tank and one 4,000-gallon kerosene tank.

4	1 of2	WSW	0.12 / 635.62	836.87 / 6	3811 TWIN CREEKS DR OFF OF WILSON RD COLUMBUS OH	SPILLS

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Case No/Spill ID:	1208EPA0001886	**County (Ohio):**	
Spill No:		**Latitude (Ohio):**	
4 Digit No:		**Longitude (Ohio):**	
Reported On:		**City Twn (Prod):**	
Spill Year:		**OEPA Dist (Prod):**	
Spill Month:		**County No (Prod):**	
Spill Month No:		**County (Prod):**	
Spill DOM:		**Latitude (Prod):**	
Spill DOY:		**Longitude (Prod):**	
Spiller Report:		**OEPA Dist (Hist):**	CDO
Phone Followup:		**County (Hist):**	Franklin
District:		**Latitude (Hist):**	39.97825
County:		**Longitude (Hist):**	-83.11294444
Latitude:		**OEPA Dist (Rel 2):**	CDO
Longitude:		**County (Rel 2):**	Franklin
City Twn (EPA):		**Latitude (Rel 2):**	39.97825
OEPA Dist (EPA):		**Longitude (Rel 2):**	-83.11294444
County (EPA):		**OEPA Dist (Rel):**	CDO
Latitude (EPA):		**County (Rel):**	Franklin
Longitude (EPA):		**Latitude (Rel):**	39.97825
OEPA Dist (Ohio):		**Longitude (Rel):**	-83.11294444
County No (Ohio):			
IIR Name:			
Affiliation:			
Location:			
City Twp:			
Zip Code:			
Spill Location (Ohio):			
City Twn (Ohio):			
Zip Code (Ohio):			
Spill Location (Hist):	3811 TWIN CREEKS DR OFF OF WILSON RD		
City Twn (Hist):	COLUMBUS		
Location (Rel):	3811 TWIN CREEKS DR OFF OF WILSON RD		
City Twn (Rel):	COLUMBUS		
City Twn (Rel 2):	COLUMBUS		
Data Source:	Spill Sites Historic; Historic Spills and Releases 2; Historic Spills and Releases		

Spill Sites Historic Details

Spill Year:	2012	**Reprted Date:**	8/1/2012, 10:00 AM
Spill Month:	August	**Latitude:**	39.97825
Spill Mth No:	8	**Longitude:**	-83.11294444
Spill DoM:	1	**X:**	-83.11294020584508
Spill DoY:	214	**Y:**	39.9782422579542
Waterway:	UNNAMED TRIBUTARY OF SCIOTO RIVER		

Historic Spills and Releases 2 Details

Spill Month:	8	**Recov Amount:**	
Spill DOM:	1	**Recov Unit:**	
Spill Year:	2012	**Recov Product Type:**	Paints/Adhesives
Spill Month No:	8	**Latitude:**	39.97825
Spill DOY:	214	**Longitude:**	-83.11294444
Reported Date:	8/1/2012, 10:00 AM	**X:**	-83.11294020584508
Reported Amount:	0	**Y:**	39.9782422579542
Reported UOM:			
Reported Product:	LATEX PAINT		
Waterway:	UNNAMED TRIBUTARY OF SCIOTO RIVER		

Historic Spills and Releases Details

Spill Year:	2012	**Ext Haz:**	
Spill Month:	8	**Disposition:**	
Spill Month No:	8	**CRS:**	4326
Spill DOM:	1	**Geometry Type:**	esriGeometryPoint

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Spill Day of Year:	214	**Latitude:**	39.97825
Amount:	0	**Longitude:**	-83.11294444
Unit:		**X:**	-83.112949
Reported On:	8/1/2012, 10:00 AM	**Y:**	39.978258
Product:	LATEX PAINT		
Spill Size:	SMALL: 500 GAL/400 LBS		
Spill Type:			
Incident Type Code:	05		
Incident Type:	WATERWAY		
Modifying Circumstance Code:			
Modifying Circumstance:			

4	2 of2	WSW	0.12 / 635.62	836.87 / 6	3827 Twin Creeks Dr COLUMBUS OH 43204	SPILLS

Case No/Spill ID:	2006EPA0000801	**County (Ohio):**	Franklin
Spill No:		**Latitude (Ohio):**	39.97809732
4 Digit No:		**Longitude (Ohio):**	-83.10328462
Reported On:		**City Twn (Prod):**	COLUMBUS
Spill Year:		**OEPA Dist (Prod):**	CDO
Spill Month:		**County No (Prod):**	25
Spill Month No:		**County (Prod):**	Franklin
Spill DOM:		**Latitude (Prod):**	39.97809732
Spill DOY:		**Longitude (Prod):**	-83.10328462
Spiller Report:		**OEPA Dist (Hist):**	CDO
Phone Followup:		**County (Hist):**	Franklin
District:		**Latitude (Hist):**	39.97809732
County:		**Longitude (Hist):**	-83.10328462
Latitude:		**OEPA Dist (Rel 2):**	CDO
Longitude:		**County (Rel 2):**	Franklin
City Twn (EPA):	COLUMBUS	**Latitude (Rel 2):**	39.97809732
OEPA Dist (EPA):	CDO	**Longitude (Rel 2):**	-83.10328462
County (EPA):	Franklin	**OEPA Dist (Rel):**	
Latitude (EPA):	39.97809732	**County (Rel):**	
Longitude (EPA):	-83.10328462	**Latitude (Rel):**	
OEPA Dist (Ohio):	CDO	**Longitude (Rel):**	
County No (Ohio):	25		
IIR Name:			
Affiliation:			
Location:			
City Twp:			
Zip Code:			
Spill Location (Ohio):	3827 Twin Creeks Dr		
City Twn (Ohio):	COLUMBUS		
Zip Code (Ohio):	43204		
Spill Location (Hist):	3827 Twin Creeks Dr		
City Twn (Hist):	COLUMBUS		
Location (Rel):			
City Twn (Rel):			
City Twn (Rel 2):	COLUMBUS		
Data Source:	Spills and Releases Reported to Ohio EPA; Spill Sites In Ohio; Spill Sites and Products; Spill Sites Historic; Historic Spills and Releases 2		

DERIE Spill Details

Reported Date:	2020/06/03 07:00:00+00
Reported Product:	FUEL DIESEL / DIESEL FUEL (VEHICLE ON OR OFF ROAD)
Reported Amount:	150
Reported UOM:	GAL
Spill Year:	2020
Spill Month:	June
Spill Day of Month:	3
Latitude:	39.97809732
Longitude:	-83.10328462

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Spill Sites Details

Reported Date:	6/3/2020, 3:00 AM	***Located XY:***	Yes
Spill Mth No:	6	***Latitude:***	39.97809732
Spill Month:	June	***Longitude:***	-83.10328462
Spill Year:	2020	***X:***	-83.10328038877077
Spill DOM:	3	***Y:***	39.97808957753423
Spill DOY:	155		

Spill Sites and Products Details

Spill Month No:	6	***Recov Product Type:***	Fuels (Combustible FP100F)
Spill Month:	June	***Recov Amount:***	2
Spill DOM:	3	***Recov Unit:***	GAL
Spill Year:	2020	***Located XY:***	Yes
Spill DOY:	155	***Latitude:***	39.97809732
Reported Date:	6/3/2020, 3:00 AM	***Longitude:***	-83.10328462
Reported Amount:	150	***X:***	-83.10328038877077
Reported UOM:	GAL	***Y:***	39.97808957753423
Reported Product:	FUEL DIESEL / DIESEL FUEL (VEHICLE ON OR OFF ROAD)		
Waterway:			

Spill Sites Historic Details

Spill Year:	2020	***Reprted Date:***	6/3/2020, 3:00 AM
Spill Month:	June	***Latitude:***	39.97809732
Spill Mth No:	6	***Longitude:***	-83.10328462
Spill DoM:	3	***X:***	-83.10328038877077
Spill DoY:	155	***Y:***	39.97808957753423
Waterway:			

Historic Spills and Releases 2 Details

Spill Month:	June	***Recov Amount:***	2
Spill DOM:	3	***Recov Unit:***	GAL
Spill Year:	2020	***Recov Product Type:***	Fuels (Combustible FP100F)
Spill Month No:	6	***Latitude:***	39.97809732
Spill DOY:	155	***Longitude:***	-83.10328462
Reported Date:	6/3/2020, 3:00 AM	***X:***	-83.10328038877077
Reported Amount:	150	***Y:***	39.97808957753423
Reported UOM:	GAL		
Reported Product:	FUEL DIESEL / DIESEL FUEL (VEHICLE ON OR OFF ROAD)		
Waterway:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
5	1 of2	WSW	0.12 / 637.99	842.34 / 11	CIRCLE K #5269 3749 TWIN CREEKS DRIVE COLUMBUS OH 43201	UST

Facility No:	25007350
Facility No (Web):	25007350
Facility Name (Web):	CIRCLE K #5269
Address (Web):	3749 TWIN CREEKS DRIVE
City (Web):	COLUMBUS
Zip (Web):	43201
County (Web):	Franklin
Latitude (Web):	39.97891
Longitude (Web):	-83.10298
State (Web):	Ohio
Facility No (Web2):	
Facility Name (Web2):	
Address (Web2):	
City (Web2):	
Zip (Web2):	
Latitude (Web2):	

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Longitude (Web2):
State (Web2):
County (Web2):
Fac No (Map): 25007350
Fac Name (Map): CIRCLE K #5269
Address (Map): 3749 TWIN CREEKS DRIVE
City (Map): COLUMBUS
State (Map): Ohio
Zip (Map): 43201
County (Map): Franklin
Latitude (Map): 39.97883
Longitude (Map): -83.10317
Address (OTTER): 3749 TWIN CREEKS DRIVE
City (OTTER): COLUMBUS
State (OTTER):
Zip (OTTER): 43201
County (OTTER): Franklin
Data Source: Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Underground Storage Tanks Lookup - List of Active Registered Facilities (Web); Map Services Directory: BUSTR (MapServer): All Facility Tanks (Map)

Ohio Tank Tracking & Environmental Regulations (OTTER) Search

Old Incident ID:
Date Reported:
Tank Status: Active
Own Business Name: MAC'S CONVENIENCE STORES LLC
Facility URL: https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#8056
Release No URL:

Underground Storage Tanks Lookup - List of Active Registered Facilities

Tank No: T00002
Date Last Used:
Status: CIU - Currently In Use
UST Capacity: 8000
UST: UST
Tank Content: Gasoline
Regulated: YES
Abandon Approve:
Facility Type: Gas Station
UST Configurations: SC- Secondarily Contained
Installation Date: 08/01/1999
CAS No: 8006-61-9
Date Removed:
Sensitive Area: NO
Date TCL Closed:
Dt of Sensitivity:
Owner Name: MAC'S CONVENIENCE STORES LLC
Owner Address: 935 E TALLMADGE AVE
Owner City: Akron
Owner State: OH
Owner Zip: 44310
Construction: FRP-Fiberglass Reinforced Plastic
Construction Comments:
Overfill Prevention: FILL - Fill Pipe (drop tube flapper)
Overfill Prev Comments:
Prmry Release Detection: IMT - Int. Monitoring (D/W Tank)
2ndary Release Detection: ATG - Automatic Tank Gauging
Release Detect Comments: :
Spill Prevention Manholes: SB - Spill Containment Manhole (bucket)
Spill Prev Manhole Comment:
Corrosion Protections: NR - None Required by Rule
Corrosion Protect Comments:
Piping Configuration: SC - Secondarily Contained
Piping Config Comment:
Piping Styles: P - Pressure
Piping Construction: FPTP - Flexible Plastic Technology Piping
Piping Construct Comments:
Piping Corrosion Protection: NR - None required by rule
Piping Corr Protect Comments:
Piping Release Detection: ELLD - Electronic Line Leak Detector
Piping Rel Detect Comments:
Comments:

Tank No: T00003
Date Last Used:
Status: CIU - Currently In Use
UST Capacity: 7000
UST: UST
Tank Content: Diesel

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Regulated:	YES	**Abandon Approve:**	
Facility Type:	Gas Station	**UST Configurations:**	SC- Secondarily Contained
Installation Date:	08/01/1999	**CAS No:**	68334-30-5
Date Removed:		**Sensitive Area:**	NO
Date TCL Closed:		**Dt of Sensitivity:**	
Owner Name:	MAC'S CONVENIENCE STORES LLC		
Owner Address:	935 E TALLMADGE AVE		
Owner City:	Akron		
Owner State:	OH		
Owner Zip:	44310		
Construction:	FRP-Fiberglass Reinforced Plastic		
Construction Comments:			
Overfill Prevention:	FILL - Fill Pipe (drop tube flapper)		
Overfill Prev Comments:			
Prmry Release Detection:	IMT - Int. Monitoring (D/W Tank)		
2ndary Release Detection:	ATG - Automatic Tank Gauging		
Release Detect Comments:			
Spill Prevention Manholes:	SB - Spill Containment Manhole (bucket)		
Spill Prev Manhole Comment:			
Corrosion Protections:	NR - None Required by Rule		
Corrosion Protect Comments:			
Piping Configuration:	SC - Secondarily Contained		
Piping Config Comment:			
Piping Styles:	P - Pressure		
Piping Construction:	FPTP - Flexible Plastic Technology Piping		
Piping Construct Comments:			
Piping Corrosion Protection:	NR - None required by rule		
Piping Corr Protect Comments:			
Piping Release Detection:	ELLD - Electronic Line Leak Detector		
Piping Rel Detect Comments:			
Comments:			

Tank No:	T00001	**Date Last Used:**	
Status:	CIU - Currently In Use	**UST Capacity:**	15000
UST:	UST	**Tank Content:**	Gasoline
Regulated:	YES	**Abandon Approve:**	
Facility Type:	Gas Station	**UST Configurations:**	SC- Secondarily Contained
Installation Date:	08/01/1999	**CAS No:**	8006-61-9
Date Removed:		**Sensitive Area:**	NO
Date TCL Closed:		**Dt of Sensitivity:**	
Owner Name:	MAC'S CONVENIENCE STORES LLC		
Owner Address:	935 E TALLMADGE AVE		
Owner City:	Akron		
Owner State:	OH		
Owner Zip:	44310		
Construction:	FRP-Fiberglass Reinforced Plastic		
Construction Comments:			
Overfill Prevention:	FILL - Fill Pipe (drop tube flapper)		
Overfill Prev Comments:			
Prmry Release Detection:	IMT - Int. Monitoring (D/W Tank)		
2ndary Release Detection:	ATG - Automatic Tank Gauging		
Release Detect Comments:			
Spill Prevention Manholes:	SB - Spill Containment Manhole (bucket)		
Spill Prev Manhole Comment:			
Corrosion Protections:	NR - None Required by Rule		
Corrosion Protect Comments:			
Piping Configuration:	SC - Secondarily Contained		
Piping Config Comment:			
Piping Styles:	P - Pressure		
Piping Construction:	FPTP - Flexible Plastic Technology Piping		
Piping Construct Comments:			
Piping Corrosion Protection:	NR - None required by rule		
Piping Corr Protect Comments:			
Piping Release Detection:	ELLD - Electronic Line Leak Detector		
Piping Rel Detect Comments:			
Comments:			

Map Services Directory: BUSTR (MapServer): All Facility Tanks

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Tank No: T00002
Status: CIU - Currently In Use
Tank Content: Gasoline
UST Capacity: 8000
Label: 25007350 CIRCLE K #5269
State: Ohio
Lat: 39.97883
Lon: -83.10317
Address Out: 3749 Twin Creeks Dr
City Out: Columbus
State Out: OH
Zip Out: 43204-5005
Match: S90
LOC QUAL: MAF3
LOC CONF: 1

Tank No: T00001
Status: CIU - Currently In Use
Tank Content: Gasoline
UST Capacity: 15000
Label: 25007350 CIRCLE K #5269
State: Ohio
Lat: 39.97883
Lon: -83.10317
Address Out: 3749 Twin Creeks Dr
City Out: Columbus
State Out: OH
Zip Out: 43204-5005
Match: S90
LOC QUAL: MAF3
LOC CONF: 1

Tank No: T00003
Status: CIU - Currently In Use
Tank Content: Diesel
UST Capacity: 7000
Label: 25007350 CIRCLE K #5269
State: Ohio
Lat: 39.97883
Lon: -83.10317
Address Out: 3749 Twin Creeks Dr
City Out: Columbus
State Out: OH
Zip Out: 43204-5005
Match: S90
LOC QUAL: MAF3
LOC CONF: 1

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
5	2 of2	WSW	0.12 / 637.99	842.34 / 11	CIRCLE K# 5269 3749 TWIN CREEKS DR Columbus OH 43204	AIR PERMITS

Facility ID: 0125042497

Facility Details

EPA Emu ID: G001
Emission Unit ID:
Permit Nbr: PBR09019
Facility Name: CIRCLE K# 5269
Address1: 3749 TWIN CREEKS DR
Address2:
City: Columbus
Zip: 43204
Effective Date: 7/25/2011 10:03:07 AM
Startup Dt:
Operating Status Cd: op
Permit Classification Cd: pbr
Design Capacity Units Cd:
EU Desc: gasoline dispensing facility
PBR Type Dsc: Gasoline dispensing facility with Stage I controls
Requlated User Dsc: gasoline dispensing facility

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
6	1 of1	WSW	0.24 / 1,242.57	851.05 / 20	ACCURATE IT SERVICES 3840 TWIN CREEKS DR COLUMBUS OH 43204	RCRA VSQG

EPA Handler ID: OHR000155739
Gen Status Universe: VSG
Contact Name: ANDREW J MCCABE
Contact Address: 750 S 6TH STREET , , COLUMBUS , OH, 43206 , US
Contact Phone No and Ext: 614-453-0709
Contact Email: AMCCABE@ACCURATEIT.COM
Contact Country: US
County Name: FRANKLIN
EPA Region: 05

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Land Type:	Private
Receive Date:	20090702
Location Latitude:	39.978315
Location Longitude:	-83.103703

Violation/Evaluation Summary

Note:	NO VIOLATIONS: All of the compliance records associated with this facility (EPA ID) indicate NO VIOLATIONS; Compliance Monitoring and Enforcement table dated Oct, 2023.

Evaluation Details

Evaluation Start Date:	20090902
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Violation Short Description:	
Return to Compliance Date:	
Evaluation Agency:	State

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20090702
Handler Name:	ACCURATE IT SERVICES
Federal Waste Generator Code:	3
Generator Code Description:	Very Small Quantity Generator
Source Type:	Notification

Owner/Operator Details

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	3480 TWIN CREEKS DR
Name:	MICHAEL YANKELEVICH	**Street 2:**	
Date Became Current:	19010101	**City:**	COLUMBUS
Date Ended Current:		**State:**	OH
Phone:	614-453-0709	**Country:**	US
Source Type:	Notification	**Zip Code:**	43204

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	3480 TWIN CREEKS DR
Name:	SCOTT WEIGARD	**Street 2:**	
Date Became Current:	19010101	**City:**	COLUMBUS
Date Ended Current:		**State:**	OH
Phone:	614-453-0709	**Country:**	US
Source Type:	Notification	**Zip Code:**	43204

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
7	1 of4	WSW	0.24 / 1,256.88	850.56 / 19	VECTRA INC 3950 BUSINESS PARK DR COLUMBUS OH 43204	RCRA SQG

EPA Handler ID: OHR000167627
Gen Status Universe: Small Quantity Generator
Contact Name: BRUCE COLLINS
Contact Address: 3950 BUSINESS PARK DR , , COLUMBUS , OH, 43204 , US
Contact Phone No and Ext: 614-351-6868
Contact Email: BCOLLINS@MSBV.COM
Contact Country: US
County Name: FRANKLIN
EPA Region: 05
Land Type: Private
Receive Date: 20120117
Location Latitude: 39.977137
Location Longitude: -83.105995

Violation/Evaluation Summary

Note: NO RECORDS: As of Oct 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20120117
Handler Name: VECTRA INC
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Private
Name: TAYLOR CORPORATION
Date Became Current: 20111231
Date Ended Current:
Street No:
Street 1: PO BOX 3728
Street 2:
City: NORTH MANKATO
State: MN

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Phone:	507-625-2828	**Country:**	US
Source Type:	Notification	**Zip Code:**	56002
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	3950 BUSINESS PARK DR
Name:	VECTRA INC	**Street 2:**	
Date Became Current:	20111231	**City:**	COLUMBUS
Date Ended Current:		**State:**	OH
Phone:	614-351-6868	**Country:**	US
Source Type:	Notification	**Zip Code:**	43204

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
7	2 of4	WSW	0.24 / 1,256.88	850.56 / 19	Vectra Visual INC. 3990 BUSINESS PARK DR Columbus OH 43204	DRYCLEANERS

Facility ID:	01-25-04-2121	**Facility Name(Web):**	VECTRA VISUAL INC.
Facility Name:	Vectra Visual INC.	**Address (Web):**	3990 BUSINESS PARK DR
Address:	3990 BUSINESS PARK DR	**City (Web):**	Columbus
City:	Columbus	**Zip Code (Web):**	43204
Zip Code:	43204	**State (Web):**	OH
State:	OH	**County (Web):**	Franklin
County:	Franklin		
Address2:			
Source:	Electronic Copies of Issued Permits (EPA Web Search); EPA Dry Cleaning Facility List		

Electronic Copies of Issued Permits Details

Permit No:	PTI-01-08564	**Issuance Type:**	Final Issuance
Permit Type:	Permit-To-Install	**Issuance Date:**	04/18/2002
Pdf Document ID:	3191	**Reason:**	Initial installation
Permit Description:	35 lb/hr dry-to-dry cleaning machine.		

EPA Dry Cleaning Facility Details

NAICS Code:	323110	**Phone No:**	6143516868
SIC Code:	7389	**Email Address:**	nrwaleszczak@vectravisual.com
EPA Emu ID:	D001	**Zip5:**	43204
Operat Status Cd:	sd	**Zip4:**	
Contact Type Cd:	prim	**Lat Deg:**	39
First Name:	Norman	**Lat Min:**	58
Last Name:	Waleszczak	**Lat Sec:**	35
Address:	3950 BUSINESS PARK DR	**Long Deg:**	-83
Address2:		**Long Min:**	6
City:	COLUMBUS	**Long Sec:**	34
State:	OH		
Emission Unit ID:			
EU Desc:	new dry-to-dry cleaning machine with refrigerated condenser		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
7	3 of4	WSW	0.24 / 1,256.88	850.56 / 19	Vectra Visual INC. 3990 BUSINESS PARK DR Columbus OH 43204	AIR PERMITS

Facility ID:	0125042121

Facility Details

EPA Emu ID:	K002
Emission Unit ID:	KBA Rapida 106 6 Color Printing Press with Coater
Permit Nbr:	PBR15902
Facility Name:	Vectra Visual INC.
Address1:	3990 BUSINESS PARK DR
Address2:	
City:	Columbus
Zip:	43204

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Effective Date: 2/13/2017 11:15:56 AM
Startup Dt: 12/18/2014 12:00:00 AM
Operating Status Cd: op
Permit Classification Cd: pbr
Design Capacity Units Cd:
EU Desc: KBA Rapida 106 6 Color Printing Press with Coater
PBR Type Dsc: Mid-size printing facility
Requlated User Dsc: KBA Rapida 106 6 Color Printing Press with Coater

Facility Details

EPA Emu ID: R004
Emission Unit ID: Man Roland
Permit Nbr: PBR15902
Facility Name: Vectra Visual INC.
Address1: 3990 BUSINESS PARK DR
Address2:
City: Columbus
Zip: 43204
Effective Date: 2/13/2017 11:15:56 AM
Startup Dt: 9/13/2006 12:00:00 AM
Operating Status Cd: op
Permit Classification Cd: pbr
Design Capacity Units Cd:
EU Desc: Man Roland Non Heatset Printing Press
PBR Type Dsc: Mid-size printing facility
Requlated User Dsc: Non Heatset Printing Press

Facility Details

EPA Emu ID: R002
Emission Unit ID: MAN-ROLAND 6-C & COATER
Permit Nbr: PBR15902
Facility Name: Vectra Visual INC.
Address1: 3990 BUSINESS PARK DR
Address2:
City: Columbus
Zip: 43204
Effective Date: 2/13/2017 11:15:56 AM
Startup Dt:
Operating Status Cd: op
Permit Classification Cd: pbr
Design Capacity Units Cd:
EU Desc:
PBR Type Dsc: Mid-size printing facility
Requlated User Dsc: 6-UNIT OFFSET PRESS (SHEETFED)

Facility Details

EPA Emu ID: R001
Emission Unit ID: 2-C HEIDELBERG
Permit Nbr: PBR15902
Facility Name: Vectra Visual INC.
Address1: 3990 BUSINESS PARK DR
Address2:
City: Columbus
Zip: 43204
Effective Date: 2/13/2017 11:15:56 AM
Startup Dt:
Operating Status Cd: op
Permit Classification Cd: pbr
Design Capacity Units Cd:
EU Desc:
PBR Type Dsc: Mid-size printing facility
Requlated User Dsc: 2-UNIT OFFSET PRESS (SHEETFED)

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
7	4 of4	WSW	0.24 / 1,256.88	850.56 / 19	MARKETING SERVICES BY VECTRA INC 3990 BUSINESS PARK DR COLUMBUS OH 43204-5021	RCRA NON GEN

EPA Handler ID: OHR000005686
Gen Status Universe: No Report
Contact Name:
Contact Address:
Contact Phone No and Ext:
Contact Email:
Contact Country:
County Name: FRANKLIN
EPA Region: 05
Land Type: Private
Receive Date: 20210506
Location Latitude: 39.977523
Location Longitude: -83.107714

Violation/Evaluation Summary

Note: NO RECORDS: As of Oct 2023, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19950807
Handler Name: MARKETING SERVICES BY VECTRA INC
Source Type: Notification
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20210506
Handler Name: MARKETING SERVICES BY VECTRA INC

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Private
Name: CRAIG TAYLOR
Date Became Current:
Date Ended Current:
Phone: 614-351-6868
Source Type: Notification

Street No:
Street 1: 3990 BUSINESS PARK DR
Street 2:
City: COLUMBUS
State: OH
Country:
Zip Code: 43204-5021

Historical Handler Details

Receive Dt: 19950807
Generator Code Description: Small Quantity Generator
Handler Name: MARKETING SERVICES BY VECTRA INC

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
8	1 of1	ESE	0.24 / 1,290.62	819.73 / -12	TISSUE DISPOSAL SERVICE INC 3257 COLONY VISTA LN COLUMBUS OH 43204	RCRA NON GEN

EPA Handler ID: OHD981528375
Gen Status Universe: No Report
Contact Name: MOHAMMED AHMED
Contact Address: PO BOX 18034 , , COLUMBUS , OH, 43216 , US
Contact Phone No and Ext: 614-278-9034
Contact Email:
Contact Country: US
County Name: FRANKLIN
EPA Region: 05
Land Type:
Receive Date: 20090601
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO VIOLATIONS: All of the compliance records associated with this facility (EPA ID) indicate NO VIOLATIONS; Compliance Monitoring and Enforcement table dated Oct, 2023.

Evaluation Details

Evaluation Start Date: 20090519
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No

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Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19860630
Handler Name: TISSUE DISPOSAL SERVICE INC
Source Type: Notification
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator

Waste Code Details

Hazardous Waste Code: D000
Waste Code Description: DESCRIPTION

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20090601
Handler Name: TISSUE DISPOSAL SERVICE INC
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Private
Name: AHMED MOHAMMED
Date Became Current:
Date Ended Current:
Phone: 312-555-1212
Source Type: Implementer
Street No:
Street 1: ADDRESS NOT REPORTED
Street 2:
City: CITY NOT REPORTED
State: AK
Country:
Zip Code: 99998

Owner/Operator Ind: Current Owner
Type: Private
Name: AHMED MOHAMMED
Date Became Current:
Date Ended Current:
Phone: 312-555-1212
Source Type: Notification
Street No:
Street 1: ADDRESS NOT REPORTED
Street 2:
City: CITY NOT REPORTED
State: AK
Country:
Zip Code: 99998

Owner/Operator Ind: Current Operator
Type: Private
Name: NAME NOT REPORTED
Date Became Current:
Date Ended Current:
Phone: 312-555-1212
Source Type: Implementer
Street No:
Street 1: ADDRESS NOT REPORTED
Street 2:
City: CITY NOT REPORTED
State: AK
Country:
Zip Code: 99998

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner/Operator Ind: Current Operator
Type: Private
Name: NAME NOT REPORTED
Date Became Current:
Date Ended Current:
Phone: 312-555-1212
Source Type: Notification

Street No:
Street 1: ADDRESS NOT REPORTED
Street 2:
City: CITY NOT REPORTED
State: AK
Country:
Zip Code: 99998

Historical Handler Details

Receive Dt: 19860630
Generator Code Description: Small Quantity Generator
Handler Name: TISSUE DISPOSAL SERVICE INC

9	1 of1	SW	0.37 / 1,928.52	847.64 / 16	FEDERAL EXPRESS CMH STATION 3660 INTERCHANGE RD COLUMBUS OH 43204	LUST

Release No: 25003237-N00001
Release No (Map): 25003237 - N00001
Facility Name (Map): FEDERAL EXPRESS CORP (CMH)
Address (Map): 3660 INTERCHANGE RD
City (Map): COLUMBUS
Zip (Map): 43204
Latitude (Map): 39.97388
Longitude (Map): -83.10239
Release No (Web): 25003237-N00001
Facility Name (Web): FEDERAL EXPRESS CMH STATION
Address (Web): 3660 INTERCHANGE RD
City (Web): COLUMBUS
State (Web): OH
Zip (Web): 43204
County (Web): Franklin
Latitude (Web): 39.973309
Longitude (Web): -83.101884
Release No (BUSTR): 25003237 - N00001
Facility Name (BUSTR): FEDERAL EXPRESS CMH STATION
Address (BUSTR): 3660 INTERCHANGE RD
City (BUSTR): COLUMBUS
State (BUSTR): Ohio
Zip (BUSTR): 43204
County (BUSTR): Franklin
Latitude (BUSTR): 39.973309
Longitude (BUSTR): -83.101884
Release No (OTTER): N00001
Fac No and Name(OTTER): 25003237 (FEDERAL EXPRESS CMH STATION)
Address (OTTER): 3660 INTERCHANGE RD
City (OTTER): COLUMBUS
State (OTTER):
Zip (OTTER): 43204
County (OTTER): Franklin
Data Source: Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

Facility Details with Active & Inactive Environmental Files

Facility Status: Inactive
LTF Status: 6 Closure of regulated UST
FR Status: NFA: No Further Action
Release Date: 03/10/1997
Class Description: A viable RP has been identified

Date Last Change: 4/10/1997
Review Date: 04/10/1997
Priority: 2
Class: D

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Ohio Tank Tracking & Environmental Regulations (OTTER) Search

Old Incident ID:	257019100.0	***Date Reported:***	3/10/1997
Tank Status:	No Tanks Available	***Owner Busi Name:***	FEDEX EXPRESS CORPORATION
Facility:	25003237 (FEDERAL EXPRESS CMH STATION)		
Facility Link:	https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#13065		
Release Link:	https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=19748		

Map Services Directory: BUSTR (MapServer): All Environmental

Object ID:	13204	***Lat:***	39.97388
FR Status:	NFA: No Further Action	***Long:***	-83.10239
Label:	25003237 - N00001 FEDERAL EXPRESS CORP (CMH)	***Match:***	S80
Release No:	25003237 - N00001	***LOC QUAL:***	MAF3
Address Out:	3660 Interchange Rd	***Facility Z:***	43204
City Out:	Columbus	***Loc Conf:***	1
State Out:	OH	***Date Processed:***	1/1/1970, 12:36 AM
ZIP Out:	43204-1434		

Active and Inactive Registered Underground Storage Tanks (BUSTR)

Incident No:	257019100.0	***Facility Name:***	FEDERAL EXPRESS CMH STATION
Status:	NFA: No Further Action	***Facility Address:***	3660 INTERCHANGE RD
Release Date:	3/10/1997	***Facility City:***	COLUMBUS
Last Status Updated:	4/10/1997	***Facility State:***	Ohio
Substatus:	Approved	***Facility ZIP:***	43204
Priority:	2	***Facility Latitude:***	39.973309
Class:	D	***Facility Longitude:***	-83.101884
Rules:	1992	***Last Review Date:***	4/10/1997
Coordinator:	David Israel	***Last Update:***	Charles Zepp
LTF:	6 Closure of regulated UST	***Last Update Date:***	7/28/2023
Rating:		***County:***	Franklin
Sequence No:	12645		
Class Desc:	A viable RP has been identified		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
10	1 of27	SSW	0.40 / 2,092.51	843.88 / 13	Pilot Travel Center #213 3600 INTERCHANGE RD COLUMBUS OH 43204	LUST

Release No:	25009634-N00001
Release No (Map):	25009634 - N00001
Facility Name (Map):	Pilot Travel Center #213
Address (Map):	3600 INTERCHANGE RD
City (Map):	COLUMBUS
Zip (Map):	43204
Latitude (Map):	39.97307
Longitude (Map):	-83.09957
Release No (Web):	25009634-N00001
Facility Name (Web):	Pilot Travel Center #213
Address (Web):	3600 INTERCHANGE RD
City (Web):	COLUMBUS
State (Web):	OH
Zip (Web):	43204
County (Web):	Franklin
Latitude (Web):	39.97329
Longitude (Web):	-83.09946
Release No (BUSTR):	25009634 - N00001
Facility Name (BUSTR):	Pilot Travel Center #213
Address (BUSTR):	3600 INTERCHANGE RD
City (BUSTR):	COLUMBUS
State (BUSTR):	Ohio
Zip (BUSTR):	43204
County (BUSTR):	Franklin
Latitude (BUSTR):	39.97329

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Longitude (BUSTR): -83.09946
Release No (OTTER): N00001
Fac No and Name(OTTER): 25009634 (Pilot Travel Center #213)
Address (OTTER): 3600 INTERCHANGE RD
City (OTTER): COLUMBUS
State (OTTER):
Zip (OTTER): 43204
County (OTTER): Franklin
Data Source: Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

Facility Details with Active & Inactive Environmental Files

Facility Status: Inactive
LTF Status: 1 SUS/CON from regulated UST
FR Status: NFA: No Further Action
Release Date: 05/17/2002
Class Description: A viable RP has been identified
Date Last Change: 11/19/2003
Review Date: 03/06/2003
Priority: 2
Class: D

Ohio Tank Tracking & Environmental Regulations (OTTER) Search

Old Incident ID:
Tank Status: Active
Facility: 25009634 (Pilot Travel Center #213)
Facility Link: https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#8072
Release Link: https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=19426
Date Reported: 5/17/2002
Owner Busi Name: PILOT TRAVEL CENTERS LLC

Map Services Directory: BUSTR (MapServer): All Environmental

Object ID: 13695
FR Status: NFA: No Further Action
Label: 25009634 - N00001 Pilot Travel Center #213
Release No: 25009634 - N00001
Address Out: 3600 Interchange Rd
City Out: Columbus
State Out: OH
ZIP Out: 43204-1434
Lat: 39.97307
Long: -83.09957
Match: S80
LOC QUAL: MAF3
Facility Z: 43204
Loc Conf: 1
Date Processed: 1/1/1970, 12:36 AM

Active and Inactive Registered Underground Storage Tanks (BUSTR)

Incident No:
Status: NFA: No Further Action
Release Date: 5/17/2002
Last Status Updated: 11/19/2003
Substatus:
Priority: 2
Class: D
Rules: 1999
Coordinator: Ray Ladrick
LTF: 1 SUS/CON from regulated UST
Rating: 5
Sequence No: 28811
Class Desc: A viable RP has been identified
Facility Name: Pilot Travel Center #213
Facility Address: 3600 INTERCHANGE RD
Facility City: COLUMBUS
Facility State: Ohio
Facility ZIP: 43204
Facility Latitude: 39.97329
Facility Longitude: -83.09946
Last Review Date: 3/6/2003
Last Update:
Last Update Date: 4/28/2012
County: Franklin

10	***2 of27***	***SSW***	***0.40 / 2,092.51***	***843.88 / 13***	***Pilot Travel Center #213 3600 INTERCHANGE RD COLUMBUS OH 43204***	***LUST***

Release No: 25009634-N00002
Release No (Map): 25009634 - N00002
Facility Name (Map): Pilot Travel Center #213
Address (Map): 3600 INTERCHANGE RD

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

City (Map):	COLUMBUS
Zip (Map):	43204
Latitude (Map):	39.97307
Longitude (Map):	-83.09957
Release No (Web):	25009634-N00002
Facility Name (Web):	Pilot Travel Center #213
Address (Web):	3600 INTERCHANGE RD
City (Web):	COLUMBUS
State (Web):	OH
Zip (Web):	43204
County (Web):	Franklin
Latitude (Web):	39.97329
Longitude (Web):	-83.09946
Release No (BUSTR):	25009634 - N00002
Facility Name (BUSTR):	Pilot Travel Center #213
Address (BUSTR):	3600 INTERCHANGE RD
City (BUSTR):	COLUMBUS
State (BUSTR):	Ohio
Zip (BUSTR):	43204
County (BUSTR):	Franklin
Latitude (BUSTR):	39.97329
Longitude (BUSTR):	-83.09946
Release No (OTTER):	N00002
Fac No and Name(OTTER):	25009634 (Pilot Travel Center #213)
Address (OTTER):	3600 INTERCHANGE RD
City (OTTER):	COLUMBUS
State (OTTER):	
Zip (OTTER):	43204
County (OTTER):	Franklin
Data Source:	Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

Facility Details with Active & Inactive Environmental Files

Facility Status:	Inactive	***Date Last Change:***	11/6/2003
LTF Status:	1 SUS/CON from regulated UST	***Review Date:***	11/05/2003
FR Status:	DIS: a release is disproved	***Priority:***	2
Release Date:	08/25/2003	***Class:***	D
Class Description:	A viable RP has been identified		

Ohio Tank Tracking & Environmental Regulations (OTTER) Search

Old Incident ID:		***Date Reported:***	8/25/2003
Tank Status:	Active	***Owner Busi Name:***	PILOT TRAVEL CENTERS LLC
Facility:	25009634 (Pilot Travel Center #213)		
Facility Link:	https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#8072		
Release Link:	https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=19427		

Map Services Directory: BUSTR (MapServer): All Environmental

Object ID:	13696	***Lat:***	39.97307
FR Status:	DIS: a release is disproved	***Long:***	-83.09957
Label:	25009634 - N00002 Pilot Travel Center #213	***Match:***	S80
Release No:	25009634 - N00002	***LOC QUAL:***	MAF3
Address Out:	3600 Interchange Rd	***Facility Z:***	43204
City Out:	Columbus	***Loc Conf:***	1
State Out:	OH	***Date Processed:***	1/1/1970, 12:36 AM
ZIP Out:	43204-1434		

Active and Inactive Registered Underground Storage Tanks (BUSTR)

Incident No:		***Facility Name:***	Pilot Travel Center #213
Status:	DIS: a release is disproved	***Facility Address:***	3600 INTERCHANGE RD

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Release Date:	8/25/2003	**Facility City:**	COLUMBUS
Last Status Updated:	11/6/2003	**Facility State:**	Ohio
Substatus:		**Facility ZIP:**	43204
Priority:	2	**Facility Latitude:**	39.97329
Class:	D	**Facility Longitude:**	-83.09946
Rules:	1999	**Last Review Date:**	11/5/2003
Coordinator:	Ray Ladrick	**Last Update:**	
LTF:	1 SUS/CON from regulated UST	**Last Update Date:**	4/28/2012
Rating:	14	**County:**	Franklin
Sequence No:	28812		
Class Desc:	A viable RP has been identified		

10	3 of27	SSW	0.40 / 2,092.51	843.88 / 13	**Pilot Travel Center #213** **3600 INTERCHANGE RD** **COLUMBUS OH 43204**	LUST

Release No:	25009634-N00003
Release No (Map):	25009634 - N00003
Facility Name (Map):	Pilot Travel Center #213
Address (Map):	3600 INTERCHANGE RD
City (Map):	COLUMBUS
Zip (Map):	43204
Latitude (Map):	39.97307
Longitude (Map):	-83.09957
Release No (Web):	25009634-N00003
Facility Name (Web):	Pilot Travel Center #213
Address (Web):	3600 INTERCHANGE RD
City (Web):	COLUMBUS
State (Web):	OH
Zip (Web):	43204
County (Web):	Franklin
Latitude (Web):	39.97329
Longitude (Web):	-83.09946
Release No (BUSTR):	25009634 - N00003
Facility Name (BUSTR):	Pilot Travel Center #213
Address (BUSTR):	3600 INTERCHANGE RD
City (BUSTR):	COLUMBUS
State (BUSTR):	Ohio
Zip (BUSTR):	43204
County (BUSTR):	Franklin
Latitude (BUSTR):	39.97329
Longitude (BUSTR):	-83.09946
Release No (OTTER):	N00003
Fac No and Name(OTTER):	25009634 (Pilot Travel Center #213)
Address (OTTER):	3600 INTERCHANGE RD
City (OTTER):	COLUMBUS
State (OTTER):	
Zip (OTTER):	43204
County (OTTER):	Franklin
Data Source:	Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

Facility Details with Active & Inactive Environmental Files

Facility Status:	Inactive	**Date Last Change:**	12/1/2003
LTF Status:	1 SUS/CON from regulated UST	**Review Date:**	12/01/2003
FR Status:	DIS: a release is disproved	**Priority:**	2
Release Date:	10/07/2003	**Class:**	D
Class Description:	A viable RP has been identified		

Ohio Tank Tracking & Environmental Regulations (OTTER) Search

Old Incident ID:		**Date Reported:**	10/7/2003
Tank Status:	Active	**Owner Busi Name:**	PILOT TRAVEL CENTERS LLC
Facility:	25009634 (Pilot Travel Center #213)		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility Link: https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#8072
Release Link: https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=19428

Map Services Directory: BUSTR (MapServer): All Environmental

Object ID: 13697
FR Status: DIS: a release is disproved
Label: 25009634 - N00003 Pilot Travel Center #213
Release No: 25009634 - N00003
Address Out: 3600 Interchange Rd
City Out: Columbus
State Out: OH
ZIP Out: 43204-1434
Lat: 39.97307
Long: -83.09957
Match: S80
LOC QUAL: MAF3
Facility Z: 43204
Loc Conf: 1
Date Processed: 1/1/1970, 12:36 AM

Active and Inactive Registered Underground Storage Tanks (BUSTR)

Incident No:
Status: DIS: a release is disproved
Release Date: 10/7/2003
Last Status Updated: 12/1/2003
Substatus:
Priority: 2
Class: D
Rules: 1999
Coordinator: Ray Ladrick
LTF: 1 SUS/CON from regulated UST
Rating: 14
Sequence No: 28813
Class Desc: A viable RP has been identified
Facility Name: Pilot Travel Center #213
Facility Address: 3600 INTERCHANGE RD
Facility City: COLUMBUS
Facility State: Ohio
Facility ZIP: 43204
Facility Latitude: 39.97329
Facility Longitude: -83.09946
Last Review Date: 12/1/2003
Last Update:
Last Update Date: 4/28/2012
County: Franklin

10	4 of27	SSW	0.40 / 2,092.51	843.88 / 13	**Pilot Travel Center #213** **3600 INTERCHANGE RD** **COLUMBUS OH 43204**	LUST

Release No: 25009634-N00004
Release No (Map): 25009634 - N00004
Facility Name (Map): Pilot Travel Center #213
Address (Map): 3600 INTERCHANGE RD
City (Map): COLUMBUS
Zip (Map): 43204
Latitude (Map): 39.97307
Longitude (Map): -83.09957
Release No (Web): 25009634-N00004
Facility Name (Web): Pilot Travel Center #213
Address (Web): 3600 INTERCHANGE RD
City (Web): COLUMBUS
State (Web): OH
Zip (Web): 43204
County (Web): Franklin
Latitude (Web): 39.97329
Longitude (Web): -83.09946
Release No (BUSTR): 25009634 - N00004
Facility Name (BUSTR): Pilot Travel Center #213
Address (BUSTR): 3600 INTERCHANGE RD
City (BUSTR): COLUMBUS
State (BUSTR): Ohio
Zip (BUSTR): 43204
County (BUSTR): Franklin
Latitude (BUSTR): 39.97329
Longitude (BUSTR): -83.09946
Release No (OTTER): N00004
Fac No and Name(OTTER): 25009634 (Pilot Travel Center #213)
Address (OTTER): 3600 INTERCHANGE RD
City (OTTER): COLUMBUS
State (OTTER):
Zip (OTTER): 43204

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

County (OTTER): Franklin
Data Source: Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

Facility Details with Active & Inactive Environmental Files

Facility Status: Inactive
LTF Status: 1 SUS/CON from regulated UST
FR Status: DIS: a release is disproved
Release Date: 07/26/2004
Class Description: A viable RP has been identified
Date Last Change: 1/19/2005
Review Date: 01/19/2005
Priority: 2
Class: D

Ohio Tank Tracking & Environmental Regulations (OTTER) Search

Old Incident ID:
Tank Status: Active
Facility: 25009634 (Pilot Travel Center #213)
Facility Link: https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#8072
Release Link: https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=19429
Date Reported: 7/26/2004
Owner Busi Name: PILOT TRAVEL CENTERS LLC

Map Services Directory: BUSTR (MapServer): All Environmental

Object ID: 13698
FR Status: DIS: a release is disproved
Label: 25009634 - N00004 Pilot Travel Center #213
Release No: 25009634 - N00004
Address Out: 3600 Interchange Rd
City Out: Columbus
State Out: OH
ZIP Out: 43204-1434
Lat: 39.97307
Long: -83.09957
Match: S80
LOC QUAL: MAF3
Facility Z: 43204
Loc Conf: 1
Date Processed: 1/1/1970, 12:36 AM

Active and Inactive Registered Underground Storage Tanks (BUSTR)

Incident No:
Status: DIS: a release is disproved
Release Date: 7/26/2004
Last Status Updated: 1/19/2005
Substatus:
Priority: 2
Class: D
Rules: 1999
Coordinator: Ray Ladrick
LTF: 1 SUS/CON from regulated UST
Rating: 14
Sequence No: 28814
Class Desc: A viable RP has been identified
Facility Name: Pilot Travel Center #213
Facility Address: 3600 INTERCHANGE RD
Facility City: COLUMBUS
Facility State: Ohio
Facility ZIP: 43204
Facility Latitude: 39.97329
Facility Longitude: -83.09946
Last Review Date: 1/19/2005
Last Update:
Last Update Date: 4/28/2012
County: Franklin

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
10	5 of27	SSW	0.40 / 2,092.51	843.88 / 13	Pilot Travel Center #213 3600 INTERCHANGE RD COLUMBUS OH 43204	LUST

Release No: 25009634-N00006
Release No (Map): 25009634 - N00006
Facility Name (Map): Pilot Travel Center #213
Address (Map): 3600 INTERCHANGE RD
City (Map): COLUMBUS
Zip (Map): 43204
Latitude (Map): 39.97307
Longitude (Map): -83.09957
Release No (Web): 25009634-N00006
Facility Name (Web): Pilot Travel Center #213
Address (Web): 3600 INTERCHANGE RD

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

City (Web):	COLUMBUS
State (Web):	OH
Zip (Web):	43204
County (Web):	Franklin
Latitude (Web):	39.97329
Longitude (Web):	-83.09946
Release No (BUSTR):	25009634 - N00006
Facility Name (BUSTR):	Pilot Travel Center #213
Address (BUSTR):	3600 INTERCHANGE RD
City (BUSTR):	COLUMBUS
State (BUSTR):	Ohio
Zip (BUSTR):	43204
County (BUSTR):	Franklin
Latitude (BUSTR):	39.97329
Longitude (BUSTR):	-83.09946
Release No (OTTER):	N00006
Fac No and Name(OTTER):	25009634 (Pilot Travel Center #213)
Address (OTTER):	3600 INTERCHANGE RD
City (OTTER):	COLUMBUS
State (OTTER):	
Zip (OTTER):	43204
County (OTTER):	Franklin
Data Source:	Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

Facility Details with Active & Inactive Environmental Files

Facility Status:	Inactive	**Date Last Change:**	11/25/2009
LTF Status:	1 SUS/CON from regulated UST	**Review Date:**	11/25/2009
FR Status:	NFA: No Further Action	**Priority:**	2
Release Date:	12/31/2007	**Class:**	D
Class Description:	A viable RP has been identified		

Ohio Tank Tracking & Environmental Regulations (OTTER) Search

Old Incident ID:		**Date Reported:**	12/31/2007
Tank Status:	Active	**Owner Busi Name:**	PILOT TRAVEL CENTERS LLC
Facility:	25009634 (Pilot Travel Center #213)		
Facility Link:	https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#8072		
Release Link:	https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=14494		

Map Services Directory: BUSTR (MapServer): All Environmental

Object ID:	13700	**Lat:**	39.97307
FR Status:	NFA: No Further Action	**Long:**	-83.09957
Label:	25009634 - N00006 Pilot Travel Center #213	**Match:**	S80
Release No:	25009634 - N00006	**LOC QUAL:**	MAF3
Address Out:	3600 Interchange Rd	**Facility Z:**	43204
City Out:	Columbus	**Loc Conf:**	1
State Out:	OH	**Date Processed:**	1/1/1970, 12:36 AM
ZIP Out:	43204-1434		

Active and Inactive Registered Underground Storage Tanks (BUSTR)

Incident No:		**Facility Name:**	Pilot Travel Center #213
Status:	NFA: No Further Action	**Facility Address:**	3600 INTERCHANGE RD
Release Date:	12/31/2007	**Facility City:**	COLUMBUS
Last Status Updated:	11/25/2009	**Facility State:**	Ohio
Substatus:		**Facility ZIP:**	43204
Priority:	2	**Facility Latitude:**	39.97329
Class:	D	**Facility Longitude:**	-83.09946
Rules:	2005	**Last Review Date:**	11/25/2009
Coordinator:	David Israel	**Last Update:**	

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

LTF:	1 SUS/CON from regulated UST		**Last Update Date:**	4/28/2012	
Rating:	3		**County:**	Franklin	
Sequence No:	28816				
Class Desc:	A viable RP has been identified				

10	6 of27	SSW	0.40 / 2,092.51	843.88 / 13	**Pilot Travel Center #213** **3600 INTERCHANGE RD** **COLUMBUS OH 43204**	LUST

Release No:	25009634-N00007
Release No (Map):	25009634 - N00007
Facility Name (Map):	Pilot Travel Center #213
Address (Map):	3600 INTERCHANGE RD
City (Map):	COLUMBUS
Zip (Map):	43204
Latitude (Map):	39.97307
Longitude (Map):	-83.09957
Release No (Web):	25009634-N00007
Facility Name (Web):	Pilot Travel Center #213
Address (Web):	3600 INTERCHANGE RD
City (Web):	COLUMBUS
State (Web):	OH
Zip (Web):	43204
County (Web):	Franklin
Latitude (Web):	39.97329
Longitude (Web):	-83.09946
Release No (BUSTR):	25009634 - N00007
Facility Name (BUSTR):	Pilot Travel Center #213
Address (BUSTR):	3600 INTERCHANGE RD
City (BUSTR):	COLUMBUS
State (BUSTR):	Ohio
Zip (BUSTR):	43204
County (BUSTR):	Franklin
Latitude (BUSTR):	39.97329
Longitude (BUSTR):	-83.09946
Release No (OTTER):	N00007
Fac No and Name(OTTER):	25009634 (Pilot Travel Center #213)
Address (OTTER):	3600 INTERCHANGE RD
City (OTTER):	COLUMBUS
State (OTTER):	
Zip (OTTER):	43204
County (OTTER):	Franklin
Data Source:	Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

Facility Details with Active & Inactive Environmental Files

Facility Status:	Inactive	**Date Last Change:**	9/12/2008
LTF Status:	1 SUS/CON from regulated UST	**Review Date:**	05/24/2010
FR Status:	DIS: a release is disproved	**Priority:**	2
Release Date:	08/06/2008	**Class:**	D
Class Description:	A viable RP has been identified		

Ohio Tank Tracking & Environmental Regulations (OTTER) Search

Old Incident ID:		**Date Reported:**	8/6/2008
Tank Status:	Active	**Owner Busi Name:**	PILOT TRAVEL CENTERS LLC
Facility:	25009634 (Pilot Travel Center #213)		
Facility Link:	https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#8072		
Release Link:	https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=14495		

Map Services Directory: BUSTR (MapServer): All Environmental

Object ID:	13701	**Lat:**	39.97307

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

FR Status:	DIS: a release is disproved	**Long:**	-83.09957
Label:	25009634 - N00007 Pilot Travel Center #213	**Match:**	S80
Release No:	25009634 - N00007	**LOC QUAL:**	MAF3
Address Out:	3600 Interchange Rd	**Facility Z:**	43204
City Out:	Columbus	**Loc Conf:**	1
State Out:	OH	**Date Processed:**	1/1/1970, 12:36 AM
ZIP Out:	43204-1434		

Active and Inactive Registered Underground Storage Tanks (BUSTR)

Incident No:		**Facility Name:**	Pilot Travel Center #213
Status:	DIS: a release is disproved	**Facility Address:**	3600 INTERCHANGE RD
Release Date:	8/6/2008	**Facility City:**	COLUMBUS
Last Status Updated:	9/12/2008	**Facility State:**	Ohio
Substatus:		**Facility ZIP:**	43204
Priority:	2	**Facility Latitude:**	39.97329
Class:	D	**Facility Longitude:**	-83.09946
Rules:	2005	**Last Review Date:**	5/24/2010
Coordinator:	David Israel	**Last Update:**	
LTF:	1 SUS/CON from regulated UST	**Last Update Date:**	4/28/2012
Rating:	14	**County:**	Franklin
Sequence No:	28817		
Class Desc:	A viable RP has been identified		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
10	7 of27	SSW	0.40 / 2,092.51	843.88 / 13	Pilot Travel Center #213 3600 INTERCHANGE RD COLUMBUS OH 43204	LUST

Release No:	25009634-N00008
Release No (Map):	25009634 - N00008
Facility Name (Map):	Pilot Travel Center #213
Address (Map):	3600 INTERCHANGE RD
City (Map):	COLUMBUS
Zip (Map):	43204
Latitude (Map):	39.97307
Longitude (Map):	-83.09957
Release No (Web):	25009634-N00008
Facility Name (Web):	Pilot Travel Center #213
Address (Web):	3600 INTERCHANGE RD
City (Web):	COLUMBUS
State (Web):	OH
Zip (Web):	43204
County (Web):	Franklin
Latitude (Web):	39.97329
Longitude (Web):	-83.09946
Release No (BUSTR):	25009634 - N00008
Facility Name (BUSTR):	Pilot Travel Center #213
Address (BUSTR):	3600 INTERCHANGE RD
City (BUSTR):	COLUMBUS
State (BUSTR):	Ohio
Zip (BUSTR):	43204
County (BUSTR):	Franklin
Latitude (BUSTR):	39.97329
Longitude (BUSTR):	-83.09946
Release No (OTTER):	N00008
Fac No and Name(OTTER):	25009634 (Pilot Travel Center #213)
Address (OTTER):	3600 INTERCHANGE RD
City (OTTER):	COLUMBUS
State (OTTER):	
Zip (OTTER):	43204
County (OTTER):	Franklin
Data Source:	Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

Facility Details with Active & Inactive Environmental Files

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility Status: Inactive
LTF Status: 1 SUS/CON from regulated UST
FR Status: NFA: No Further Action
Release Date: 08/27/2010
Class Description: A viable RP has been identified

Date Last Change: 11/20/2018
Review Date: 11/01/2018
Priority: 2
Class: D

Ohio Tank Tracking & Environmental Regulations (OTTER) Search

Old Incident ID:
Tank Status: Active
Facility: 25009634 (Pilot Travel Center #213)
Facility Link: https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#8072
Release Link: https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=14496

Date Reported: 8/27/2010
Owner Busi Name: PILOT TRAVEL CENTERS LLC

Map Services Directory: BUSTR (MapServer): All Environmental

Object ID: 13702
FR Status: NFA: No Further Action
Label: 25009634 - N00008 Pilot Travel Center #213
Release No: 25009634 - N00008
Address Out: 3600 Interchange Rd
City Out: Columbus
State Out: OH
ZIP Out: 43204-1434

Lat: 39.97307
Long: -83.09957
Match: S80
LOC QUAL: MAF3
Facility Z: 43204
Loc Conf: 1
Date Processed: 1/1/1970, 12:36 AM

Active and Inactive Registered Underground Storage Tanks (BUSTR)

Incident No:
Status: NFA: No Further Action
Release Date: 8/27/2010
Last Status Updated: 11/20/2018
Substatus: Approved
Priority: 2
Class: D
Rules: 2012
Coordinator: David Israel
LTF: 1 SUS/CON from regulated UST
Rating: 16
Sequence No: 28818
Class Desc: A viable RP has been identified

Facility Name: Pilot Travel Center #213
Facility Address: 3600 INTERCHANGE RD
Facility City: COLUMBUS
Facility State: Ohio
Facility ZIP: 43204
Facility Latitude: 39.97329
Facility Longitude: -83.09946
Last Review Date: 11/1/2018
Last Update: Kelly Gill
Last Update Date: 11/20/2018
County: Franklin

10	8 of27	SSW	0.40 / 2,092.51	843.88 / 13	Pilot Travel Center #213 3600 INTERCHANGE RD COLUMBUS OH 43204	LUST

Release No: 25009634-N00009
Release No (Map): 25009634 - N00009
Facility Name (Map): Pilot Travel Center #213
Address (Map): 3600 INTERCHANGE RD
City (Map): COLUMBUS
Zip (Map): 43204
Latitude (Map): 39.97307
Longitude (Map): -83.09957
Release No (Web): 25009634-N00009
Facility Name (Web): Pilot Travel Center #213
Address (Web): 3600 INTERCHANGE RD
City (Web): COLUMBUS
State (Web): OH
Zip (Web): 43204
County (Web): Franklin
Latitude (Web): 39.97329
Longitude (Web): -83.09946
Release No (BUSTR): 25009634 - N00009
Facility Name (BUSTR): Pilot Travel Center #213

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Address (BUSTR):	3600 INTERCHANGE RD
City (BUSTR):	COLUMBUS
State (BUSTR):	Ohio
Zip (BUSTR):	43204
County (BUSTR):	Franklin
Latitude (BUSTR):	39.97329
Longitude (BUSTR):	-83.09946
Release No (OTTER):	N00009
Fac No and Name(OTTER):	25009634 (Pilot Travel Center #213)
Address (OTTER):	3600 INTERCHANGE RD
City (OTTER):	COLUMBUS
State (OTTER):	
Zip (OTTER):	43204
County (OTTER):	Franklin
Data Source:	Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

Facility Details with Active & Inactive Environmental Files

Facility Status:	Inactive	**Date Last Change:**	3/21/2011
LTF Status:	1 SUS/CON from regulated UST	**Review Date:**	03/18/2011
FR Status:	DIS: a release is disproved	**Priority:**	2
Release Date:	02/25/2011	**Class:**	D
Class Description:	A viable RP has been identified		

Ohio Tank Tracking & Environmental Regulations (OTTER) Search

Old Incident ID:		**Date Reported:**	2/25/2011
Tank Status:	Active	**Owner Busi Name:**	PILOT TRAVEL CENTERS LLC
Facility:	25009634 (Pilot Travel Center #213)		
Facility Link:	https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#8072		
Release Link:	https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=14497		

Map Services Directory: BUSTR (MapServer): All Environmental

Object ID:	13703	**Lat:**	39.97307
FR Status:	DIS: a release is disproved	**Long:**	-83.09957
Label:	25009634 - N00009 Pilot Travel Center #213	**Match:**	S80
Release No:	25009634 - N00009	**LOC QUAL:**	MAF3
Address Out:	3600 Interchange Rd	**Facility Z:**	43204
City Out:	Columbus	**Loc Conf:**	1
State Out:	OH	**Date Processed:**	1/1/1970, 12:36 AM
ZIP Out:	43204-1434		

Active and Inactive Registered Underground Storage Tanks (BUSTR)

Incident No:		**Facility Name:**	Pilot Travel Center #213
Status:	DIS: a release is disproved	**Facility Address:**	3600 INTERCHANGE RD
Release Date:	2/25/2011	**Facility City:**	COLUMBUS
Last Status Updated:	3/21/2011	**Facility State:**	Ohio
Substatus:		**Facility ZIP:**	43204
Priority:	2	**Facility Latitude:**	39.97329
Class:	D	**Facility Longitude:**	-83.09946
Rules:	2005	**Last Review Date:**	3/18/2011
Coordinator:	David Israel	**Last Update:**	
LTF:	1 SUS/CON from regulated UST	**Last Update Date:**	4/28/2012
Rating:	14	**County:**	Franklin
Sequence No:	28819		
Class Desc:	A viable RP has been identified		

10	9 of27	SSW	0.40 / 2,092.51	843.88 / 13	Pilot Travel Center #213 3600 INTERCHANGE RD	LUST

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
					COLUMBUS OH 43204	

Release No: 25009634-N00010
Release No (Map): 25009634 - N00010
Facility Name (Map): Pilot Travel Center #213
Address (Map): 3600 INTERCHANGE RD
City (Map): COLUMBUS
Zip (Map): 43204
Latitude (Map): 39.97307
Longitude (Map): -83.09957
Release No (Web): 25009634-N00010
Facility Name (Web): Pilot Travel Center #213
Address (Web): 3600 INTERCHANGE RD
City (Web): COLUMBUS
State (Web): OH
Zip (Web): 43204
County (Web): Franklin
Latitude (Web): 39.97329
Longitude (Web): -83.09946
Release No (BUSTR): 25009634 - N00010
Facility Name (BUSTR): Pilot Travel Center #213
Address (BUSTR): 3600 INTERCHANGE RD
City (BUSTR): COLUMBUS
State (BUSTR): Ohio
Zip (BUSTR): 43204
County (BUSTR): Franklin
Latitude (BUSTR): 39.97329
Longitude (BUSTR): -83.09946
Release No (OTTER): N00010
Fac No and Name(OTTER): 25009634 (Pilot Travel Center #213)
Address (OTTER): 3600 INTERCHANGE RD
City (OTTER): COLUMBUS
State (OTTER):
Zip (OTTER): 43204
County (OTTER): Franklin
Data Source: Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

Facility Details with Active & Inactive Environmental Files

Facility Status: Inactive
LTF Status: 1 SUS/CON from regulated UST
FR Status: NFA: No Further Action
Release Date: 04/21/2011
Class Description: A viable RP has been identified
Date Last Change: 7/28/2011
Review Date: 07/28/2011
Priority: 2
Class: D

Ohio Tank Tracking & Environmental Regulations (OTTER) Search

Old Incident ID:
Tank Status: Active
Facility: 25009634 (Pilot Travel Center #213)
Facility Link: https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#8072
Release Link: https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=14498
Date Reported: 4/21/2011
Owner Busi Name: PILOT TRAVEL CENTERS LLC

Map Services Directory: BUSTR (MapServer): All Environmental

Object ID: 13704
FR Status: NFA: No Further Action
Label: 25009634 - N00010 Pilot Travel Center #213
Release No: 25009634 - N00010
Address Out: 3600 Interchange Rd
City Out: Columbus
State Out: OH
ZIP Out: 43204-1434
Lat: 39.97307
Long: -83.09957
Match: S80
LOC QUAL: MAF3
Facility Z: 43204
Loc Conf: 1
Date Processed: 1/1/1970, 12:36 AM

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Active and Inactive Registered Underground Storage Tanks (BUSTR)

Incident No:		***Facility Name:***	Pilot Travel Center #213
Status:	NFA: No Further Action	***Facility Address:***	3600 INTERCHANGE RD
Release Date:	4/21/2011	***Facility City:***	COLUMBUS
Last Status Updated:	7/28/2011	***Facility State:***	Ohio
Substatus:		***Facility ZIP:***	43204
Priority:	2	***Facility Latitude:***	39.97329
Class:	D	***Facility Longitude:***	-83.09946
Rules:	2005	***Last Review Date:***	7/28/2011
Coordinator:	David Israel	***Last Update:***	
LTF:	1 SUS/CON from regulated UST	***Last Update Date:***	4/28/2012
Rating:	14	***County:***	Franklin
Sequence No:	28820		
Class Desc:	A viable RP has been identified		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
10	10 of27	SSW	0.40 / 2,092.51	843.88 / 13	Pilot Travel Center #213 3600 INTERCHANGE RD COLUMBUS OH 43204	LUST

Release No:	25009634-N00011
Release No (Map):	25009634 - N00011
Facility Name (Map):	Pilot Travel Center #213
Address (Map):	3600 INTERCHANGE RD
City (Map):	COLUMBUS
Zip (Map):	43204
Latitude (Map):	39.97307
Longitude (Map):	-83.09957
Release No (Web):	25009634-N00011
Facility Name (Web):	Pilot Travel Center #213
Address (Web):	3600 INTERCHANGE RD
City (Web):	COLUMBUS
State (Web):	OH
Zip (Web):	43204
County (Web):	Franklin
Latitude (Web):	39.97329
Longitude (Web):	-83.09946
Release No (BUSTR):	25009634 - N00011
Facility Name (BUSTR):	Pilot Travel Center #213
Address (BUSTR):	3600 INTERCHANGE RD
City (BUSTR):	COLUMBUS
State (BUSTR):	Ohio
Zip (BUSTR):	43204
County (BUSTR):	Franklin
Latitude (BUSTR):	39.97329
Longitude (BUSTR):	-83.09946
Release No (OTTER):	N00011
Fac No and Name(OTTER):	25009634 (Pilot Travel Center #213)
Address (OTTER):	3600 INTERCHANGE RD
City (OTTER):	COLUMBUS
State (OTTER):	
Zip (OTTER):	43204
County (OTTER):	Franklin
Data Source:	Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

Facility Details with Active & Inactive Environmental Files

Facility Status:	Inactive	***Date Last Change:***	2/16/2012
LTF Status:	1 SUS/CON from regulated UST	***Review Date:***	02/14/2012
FR Status:	DIS: a release is disproved	***Priority:***	2
Release Date:	01/18/2012	***Class:***	D
Class Description:	A viable RP has been identified		

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Ohio Tank Tracking & Environmental Regulations (OTTER) Search

Old Incident ID:		**Date Reported:**	1/18/2012
Tank Status:	Active	**Owner Busi Name:**	PILOT TRAVEL CENTERS LLC
Facility:	25009634 (Pilot Travel Center #213)		
Facility Link:	https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#8072		
Release Link:	https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=14499		

Map Services Directory: BUSTR (MapServer): All Environmental

Object ID:	13705	**Lat:**	39.97307
FR Status:	DIS: a release is disproved	**Long:**	-83.09957
Label:	25009634 - N00011 Pilot Travel Center #213	**Match:**	S80
Release No:	25009634 - N00011	**LOC QUAL:**	MAF3
Address Out:	3600 Interchange Rd	**Facility Z:**	43204
City Out:	Columbus	**Loc Conf:**	1
State Out:	OH	**Date Processed:**	1/1/1970, 12:36 AM
ZIP Out:	43204-1434		

Active and Inactive Registered Underground Storage Tanks (BUSTR)

Incident No:		**Facility Name:**	Pilot Travel Center #213
Status:	DIS: a release is disproved	**Facility Address:**	3600 INTERCHANGE RD
Release Date:	1/18/2012	**Facility City:**	COLUMBUS
Last Status Updated:	2/16/2012	**Facility State:**	Ohio
Substatus:		**Facility ZIP:**	43204
Priority:	2	**Facility Latitude:**	39.97329
Class:	D	**Facility Longitude:**	-83.09946
Rules:	2005	**Last Review Date:**	2/14/2012
Coordinator:	David Israel	**Last Update:**	
LTF:	1 SUS/CON from regulated UST	**Last Update Date:**	4/28/2012
Rating:	14	**County:**	Franklin
Sequence No:	28821		
Class Desc:	A viable RP has been identified		

10	***11 of27***	***SSW***	***0.40 / 2,092.51***	***843.88 / 13***	***Pilot Travel Center #213 3600 INTERCHANGE RD COLUMBUS OH 43204***	***LUST***

Release No:	25009634-N00012
Release No (Map):	25009634 - N00012
Facility Name (Map):	Pilot Travel Center #213
Address (Map):	3600 INTERCHANGE RD
City (Map):	COLUMBUS
Zip (Map):	43204
Latitude (Map):	39.97307
Longitude (Map):	-83.09957
Release No (Web):	25009634-N00012
Facility Name (Web):	Pilot Travel Center #213
Address (Web):	3600 INTERCHANGE RD
City (Web):	COLUMBUS
State (Web):	OH
Zip (Web):	43204
County (Web):	Franklin
Latitude (Web):	39.97329
Longitude (Web):	-83.09946
Release No (BUSTR):	25009634 - N00012
Facility Name (BUSTR):	Pilot Travel Center #213
Address (BUSTR):	3600 INTERCHANGE RD
City (BUSTR):	COLUMBUS
State (BUSTR):	Ohio
Zip (BUSTR):	43204
County (BUSTR):	Franklin
Latitude (BUSTR):	39.97329
Longitude (BUSTR):	-83.09946

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Release No (OTTER): N00012
Fac No and Name(OTTER): 25009634 (Pilot Travel Center #213)
Address (OTTER): 3600 INTERCHANGE RD
City (OTTER): COLUMBUS
State (OTTER):
Zip (OTTER): 43204
County (OTTER): Franklin
Data Source: Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

Facility Details with Active & Inactive Environmental Files

Facility Status: Inactive
LTF Status: 1 SUS/CON from regulated UST
FR Status: NFA: No Further Action
Release Date: 03/13/2012
Class Description: A viable RP has been identified
Date Last Change: 11/28/2018
Review Date: 04/17/2018
Priority:
Class: D

Ohio Tank Tracking & Environmental Regulations (OTTER) Search

Old Incident ID:
Tank Status: Active
Facility: 25009634 (Pilot Travel Center #213)
Facility Link: https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#8072
Release Link: https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=14500
Date Reported: 3/13/2012
Owner Busi Name: PILOT TRAVEL CENTERS LLC

Map Services Directory: BUSTR (MapServer): All Environmental

Object ID: 13706
FR Status: NFA: No Further Action
Label: 25009634 - N00012 Pilot Travel Center #213
Release No: 25009634 - N00012
Address Out: 3600 Interchange Rd
City Out: Columbus
State Out: OH
ZIP Out: 43204-1434
Lat: 39.97307
Long: -83.09957
Match: S80
LOC QUAL: MAF3
Facility Z: 43204
Loc Conf: 1
Date Processed: 1/1/1970, 12:36 AM

Active and Inactive Registered Underground Storage Tanks (BUSTR)

Incident No:
Status: NFA: No Further Action
Release Date: 3/13/2012
Last Status Updated: 11/28/2018
Substatus: Approved
Priority:
Class: D
Rules: 2012
Coordinator: David Israel
LTF: 1 SUS/CON from regulated UST
Rating: 14
Sequence No: 28822
Class Desc: A viable RP has been identified
Facility Name: Pilot Travel Center #213
Facility Address: 3600 INTERCHANGE RD
Facility City: COLUMBUS
Facility State: Ohio
Facility ZIP: 43204
Facility Latitude: 39.97329
Facility Longitude: -83.09946
Last Review Date: 4/17/2018
Last Update: Kelly Gill
Last Update Date: 11/28/2018
County: Franklin

10	12 of27	SSW	0.40 / 2,092.51	843.88 / 13	Pilot Travel Center #213 3600 INTERCHANGE RD COLUMBUS OH 43204	DELISTED LST

Delisted Regulated and Non-Regulated Leaking Underground Storage Tanks (LUST)

Incident No:
Class: D

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Release No:	25009634 - N00008			**Class Desc:**	A viable RP has been identified	
Status:	TR1: T1S Required (Prior SB/MW Installed)			**Rules:**	2012	
Sub Status:	Submitted			**Coordinator:**	David Israel	
Release Date:	8/27/2010			**County:**	Franklin	
LTF:	1 SUS/CON from regulated UST			**Facility Latitude:**	39.97329	
Last Update:	David Israel			**Facility Longitude:**	-83.09946	
Last Update Date:	8/10/2018			**Original Source:**	NLUT	
Last Status Update:	1/10/2013			**Record Date:**	11-OCT-2018	
Priority:	2					

10	13 of27	SSW	0.40 / 2,092.51	843.88 / 13	**Pilot Travel Center #213** **3600 INTERCHANGE RD** **COLUMBUS OH 43204**	**DELISTED LST**

Delisted Regulated and Non-Regulated Leaking Underground Storage Tanks (LUST)

Incident No:		**Class:**	D
Release No:	25009634 - N00012	**Class Desc:**	A viable RP has been identified
Status:	T1I: Tier 1 Investigation	**Rules:**	2012
Sub Status:	Approved	**Coordinator:**	David Israel
Release Date:	3/13/2012	**County:**	Franklin
LTF:	1 SUS/CON from regulated UST	**Facility Latitude:**	39.97329
Last Update:	David Israel	**Facility Longitude:**	-83.09946
Last Update Date:	4/17/2018	**Original Source:**	NLUT
Last Status Update:	9/17/2014	**Record Date:**	11-OCT-2018
Priority:			

10	14 of27	SSW	0.40 / 2,092.51	843.88 / 13	**Pilot Travel Center #213** **3600 INTERCHANGE RD** **COLUMBUS OH 43204**	**DELISTED LST**

Delisted Petroleum Release List

Incident No:		**Priority:**	
S. No:	4465	**Class Code:**	D
Release No:	25009634 - N00013	**Class Desc:**	A viable RP has been identified
Release Date:	01/22/2015	**Rules:**	2012
Release Status:		**Coordinator:**	David Israel
Facility Status:		**Rating:**	
Sub Status:	Required	**County:**	Franklin
LTF Status:	1 SUS/CON from regulated UST	**Facility Latitude:**	
FR Status:	TTT: Tank Tightness Test Only	**Facility Longitude:**	
Last Update:	David Israel	**Source Name(s):**	
Last Update Date:	04/02/2015 1:26:01 PM	**Source List:**	
Last Status Update:	02/04/2015	**Original Source:**	NLUT
Review Date:	02/04/2015	**Record Date:**	9-MAR-2015
Date Unknown:			

10	15 of27	SSW	0.40 / 2,092.51	843.88 / 13	**Pilot Travel Center #213** **3600 INTERCHANGE RD** **COLUMBUS OH 43204**	**LUST**

Release No:	25009634-N00013
Release No (Map):	25009634 - N00013
Facility Name (Map):	Pilot Travel Center #213
Address (Map):	3600 INTERCHANGE RD
City (Map):	COLUMBUS
Zip (Map):	43204
Latitude (Map):	39.97307
Longitude (Map):	-83.09957
Release No (Web):	25009634-N00013
Facility Name (Web):	Pilot Travel Center #213

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Address (Web):	3600 INTERCHANGE RD
City (Web):	COLUMBUS
State (Web):	OH
Zip (Web):	43204
County (Web):	Franklin
Latitude (Web):	39.97329
Longitude (Web):	-83.09946
Release No (BUSTR):	25009634 - N00013
Facility Name (BUSTR):	Pilot Travel Center #213
Address (BUSTR):	3600 INTERCHANGE RD
City (BUSTR):	COLUMBUS
State (BUSTR):	Ohio
Zip (BUSTR):	43204
County (BUSTR):	Franklin
Latitude (BUSTR):	39.97329
Longitude (BUSTR):	-83.09946
Release No (OTTER):	N00013
Fac No and Name(OTTER):	25009634 (Pilot Travel Center #213)
Address (OTTER):	3600 INTERCHANGE RD
City (OTTER):	COLUMBUS
State (OTTER):	
Zip (OTTER):	43204
County (OTTER):	Franklin
Data Source:	Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

Facility Details with Active & Inactive Environmental Files

Facility Status:	Inactive	**Date Last Change:**	3/11/2015
LTF Status:	1 SUS/CON from regulated UST	**Review Date:**	03/11/2015
FR Status:	DIS: a release is disproved	**Priority:**	
Release Date:	01/22/2015	**Class:**	D
Class Description:	A viable RP has been identified		

Ohio Tank Tracking & Environmental Regulations (OTTER) Search

Old Incident ID:		**Date Reported:**	1/22/2015
Tank Status:	Active	**Owner Busi Name:**	PILOT TRAVEL CENTERS LLC
Facility:	25009634 (Pilot Travel Center #213)		
Facility Link:	https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#8072		
Release Link:	https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=37790		

Map Services Directory: BUSTR (MapServer): All Environmental

Object ID:	13707	**Lat:**	39.97307
FR Status:	DIS: a release is disproved	**Long:**	-83.09957
Label:	25009634 - N00013 Pilot Travel Center #213	**Match:**	S80
Release No:	25009634 - N00013	**LOC QUAL:**	MAF3
Address Out:	3600 Interchange Rd	**Facility Z:**	43204
City Out:	Columbus	**Loc Conf:**	1
State Out:	OH	**Date Processed:**	1/1/1970, 12:36 AM
ZIP Out:	43204-1434		

Active and Inactive Registered Underground Storage Tanks (BUSTR)

Incident No:		**Facility Name:**	Pilot Travel Center #213
Status:	DIS: a release is disproved	**Facility Address:**	3600 INTERCHANGE RD
Release Date:	1/22/2015	**Facility City:**	COLUMBUS
Last Status Updated:	3/11/2015	**Facility State:**	Ohio
Substatus:	Approved	**Facility ZIP:**	43204
Priority:		**Facility Latitude:**	39.97329
Class:	D	**Facility Longitude:**	-83.09946
Rules:	2012	**Last Review Date:**	3/11/2015

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Coordinator: David Israel
LTF: 1 SUS/CON from regulated UST
Rating:
Sequence No: 28823
Class Desc: A viable RP has been identified
Last Update: Scott Sigler
Last Update Date: 3/11/2015
County: Franklin

10	16 of27	SSW	0.40 / 2,092.51	843.88 / 13	Pilot Travel Center #213 3600 INTERCHANGE RD COLUMBUS OH 43204	DELISTED LST

Delisted Petroleum Release List

Incident No:
S. No: 2126
Release No: 25009634 - N00014
Release Date: 7/10/2015
Release Status: T1E: Tier 1 Evaluation
Facility Status:
Sub Status: Deficient
LTF Status: 1 SUS/CON from regulated UST
FR Status:
Last Update: David Israel
Last Update Date: 8/9/2016
Last Status Update: 8/9/2016
Review Date: 8/9/2016
Date Unknown:
Priority: 2
Class Code: D
Class Desc: A viable RP has been identified
Rules: 2012
Coordinator: David Israel
Rating: 16
County: Franklin
Facility Latitude:
Facility Longitude:
Source Name(s):
Source List:
Original Source: NLUT
Record Date: 21-NOV-2016

10	17 of27	SSW	0.40 / 2,092.51	843.88 / 13	Pilot Travel Center #213 3600 INTERCHANGE RD COLUMBUS OH 43204	LUST

Release No: 25009634-N00014
Release No (Map): 25009634 - N00014
Facility Name (Map): Pilot Travel Center #213
Address (Map): 3600 INTERCHANGE RD
City (Map): COLUMBUS
Zip (Map): 43204
Latitude (Map): 39.97307
Longitude (Map): -83.09957
Release No (Web): 25009634-N00014
Facility Name (Web): Pilot Travel Center #213
Address (Web): 3600 INTERCHANGE RD
City (Web): COLUMBUS
State (Web): OH
Zip (Web): 43204
County (Web): Franklin
Latitude (Web): 39.97329
Longitude (Web): -83.09946
Release No (BUSTR): 25009634 - N00014
Facility Name (BUSTR): Pilot Travel Center #213
Address (BUSTR): 3600 INTERCHANGE RD
City (BUSTR): COLUMBUS
State (BUSTR): Ohio
Zip (BUSTR): 43204
County (BUSTR): Franklin
Latitude (BUSTR): 39.97329
Longitude (BUSTR): -83.09946
Release No (OTTER): N00014
Fac No and Name(OTTER): 25009634 (Pilot Travel Center #213)
Address (OTTER): 3600 INTERCHANGE RD
City (OTTER): COLUMBUS
State (OTTER):
Zip (OTTER): 43204
County (OTTER): Franklin
Data Source: Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

Facility Details with Active & Inactive Environmental Files

Facility Status:	Inactive	***Date Last Change:***	1/19/2017
LTF Status:	1 SUS/CON from regulated UST	***Review Date:***	01/19/2017
FR Status:	NFA: No Further Action	***Priority:***	2
Release Date:	07/10/2015	***Class:***	D
Class Description:	A viable RP has been identified		

Ohio Tank Tracking & Environmental Regulations (OTTER) Search

Old Incident ID:		***Date Reported:***	7/10/2015
Tank Status:	Active	***Owner Busi Name:***	PILOT TRAVEL CENTERS LLC
Facility:	25009634 (Pilot Travel Center #213)		
Facility Link:	https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#8072		
Release Link:	https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=38094		

Map Services Directory: BUSTR (MapServer): All Environmental

Object ID:	13708	***Lat:***	39.97307
FR Status:	NFA: No Further Action	***Long:***	-83.09957
Label:	25009634 - N00014 Pilot Travel Center #213	***Match:***	S80
Release No:	25009634 - N00014	***LOC QUAL:***	MAF3
Address Out:	3600 Interchange Rd	***Facility Z:***	43204
City Out:	Columbus	***Loc Conf:***	1
State Out:	OH	***Date Processed:***	1/1/1970, 12:36 AM
ZIP Out:	43204-1434		

Active and Inactive Registered Underground Storage Tanks (BUSTR)

Incident No:		***Facility Name:***	Pilot Travel Center #213
Status:	NFA: No Further Action	***Facility Address:***	3600 INTERCHANGE RD
Release Date:	7/10/2015	***Facility City:***	COLUMBUS
Last Status Updated:	1/19/2017	***Facility State:***	Ohio
Substatus:	Approved	***Facility ZIP:***	43204
Priority:	2	***Facility Latitude:***	39.97329
Class:	D	***Facility Longitude:***	-83.09946
Rules:	2012	***Last Review Date:***	1/19/2017
Coordinator:	David Israel	***Last Update:***	Kelly Gill
LTF:	1 SUS/CON from regulated UST	***Last Update Date:***	1/19/2017
Rating:	16	***County:***	Franklin
Sequence No:	28824		
Class Desc:	A viable RP has been identified		

10	***18 of27***	***SSW***	***0.40 / 2,092.51***	***843.88 / 13***	***Pilot Travel Center #213 3600 INTERCHANGE RD COLUMBUS OH 43204***	***DELISTED LST***

Delisted Petroleum Release List

Incident No:		***Priority:***	
S. No:		***Class Code:***	D
Release No:	25009634 - N00015	***Class Desc:***	A viable RP has been identified
Release Date:	2/22/2017	***Rules:***	2012
Release Status:	TTT: Tank Tightness Test Only	***Coordinator:***	David Israel
Facility Status:		***Rating:***	
Sub Status:	Required	***County:***	Franklin
LTF Status:	1 SUS/CON from regulated UST	***Facility Latitude:***	39.97329
FR Status:		***Facility Longitude:***	-83.09946

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Last Update:	David Israel		**Source Name(s):**		
Last Update Date:	2/22/2017		**Source List:**		
Last Status Update:	2/22/2017		**Original Source:**	NLUT	
Review Date:			**Record Date:**	14-JUN-2017	
Date Unknown:					

10	19 of27	SSW	0.40 / 2,092.51	843.88 / 13	Pilot Travel Center #213 3600 INTERCHANGE RD COLUMBUS OH 43204	LUST

Release No:	25009634-N00015
Release No (Map):	25009634 - N00015
Facility Name (Map):	Pilot Travel Center #213
Address (Map):	3600 INTERCHANGE RD
City (Map):	COLUMBUS
Zip (Map):	43204
Latitude (Map):	39.97307
Longitude (Map):	-83.09957
Release No (Web):	25009634-N00015
Facility Name (Web):	Pilot Travel Center #213
Address (Web):	3600 INTERCHANGE RD
City (Web):	COLUMBUS
State (Web):	OH
Zip (Web):	43204
County (Web):	Franklin
Latitude (Web):	39.97329
Longitude (Web):	-83.09946
Release No (BUSTR):	25009634 - N00015
Facility Name (BUSTR):	Pilot Travel Center #213
Address (BUSTR):	3600 INTERCHANGE RD
City (BUSTR):	COLUMBUS
State (BUSTR):	Ohio
Zip (BUSTR):	43204
County (BUSTR):	Franklin
Latitude (BUSTR):	39.97329
Longitude (BUSTR):	-83.09946
Release No (OTTER):	N00015
Fac No and Name(OTTER):	25009634 (Pilot Travel Center #213)
Address (OTTER):	3600 INTERCHANGE RD
City (OTTER):	COLUMBUS
State (OTTER):	
Zip (OTTER):	43204
County (OTTER):	Franklin
Data Source:	Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

Facility Details with Active & Inactive Environmental Files

Facility Status:	Inactive	**Date Last Change:**	6/30/2017
LTF Status:	1 SUS/CON from regulated UST	**Review Date:**	02/22/2017
FR Status:	NFA: No Further Action	**Priority:**	
Release Date:	02/22/2017	**Class:**	D
Class Description:	A viable RP has been identified		

Ohio Tank Tracking & Environmental Regulations (OTTER) Search

Old Incident ID:		**Date Reported:**	2/22/2017
Tank Status:	Active	**Owner Busi Name:**	PILOT TRAVEL CENTERS LLC
Facility:	25009634 (Pilot Travel Center #213)		
Facility Link:	https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#8072		
Release Link:	https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=38986		

Map Services Directory: BUSTR (MapServer): All Environmental

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Object ID:	13709	**Lat:**	39.97307
FR Status:	NFA: No Further Action	**Long:**	-83.09957
Label:	25009634 - N00015 Pilot Travel Center #213	**Match:**	S80
Release No:	25009634 - N00015	**LOC QUAL:**	MAF3
Address Out:	3600 Interchange Rd	**Facility Z:**	43204
City Out:	Columbus	**Loc Conf:**	1
State Out:	OH	**Date Processed:**	1/1/1970, 12:36 AM
ZIP Out:	43204-1434		

Active and Inactive Registered Underground Storage Tanks (BUSTR)

Incident No:		**Facility Name:**	Pilot Travel Center #213
Status:	NFA: No Further Action	**Facility Address:**	3600 INTERCHANGE RD
Release Date:	2/22/2017	**Facility City:**	COLUMBUS
Last Status Updated:	6/30/2017	**Facility State:**	Ohio
Substatus:	Approved	**Facility ZIP:**	43204
Priority:		**Facility Latitude:**	39.97329
Class:	D	**Facility Longitude:**	-83.09946
Rules:	2012	**Last Review Date:**	2/22/2017
Coordinator:	David Israel	**Last Update:**	Kelly Gill
LTF:	1 SUS/CON from regulated UST	**Last Update Date:**	6/30/2017
Rating:		**County:**	Franklin
Sequence No:	28825		
Class Desc:	A viable RP has been identified		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
10	20 of27	SSW	0.40 / 2,092.51	843.88 / 13	Pilot Travel Center #213 3600 INTERCHANGE RD COLUMBUS OH 43204	DELISTED LST

Delisted Regulated and Non-Regulated Leaking Underground Storage Tanks (LUST)

Incident No:		**Class:**	D
Release No:	25009634 - N00016	**Class Desc:**	A viable RP has been identified
Status:	TTT: Tank Tightness Test Only	**Rules:**	2017
Sub Status:	Required	**Coordinator:**	David Israel
Release Date:	9/29/2017	**County:**	Franklin
LTF:	1 SUS/CON from regulated UST	**Facility Latitude:**	39.97329
Last Update:	David Israel	**Facility Longitude:**	-83.09946
Last Update Date:	10/5/2017	**Original Source:**	NLUT
Last Status Update:	10/5/2017	**Record Date:**	13-JUL-2018
Priority:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
10	21 of27	SSW	0.40 / 2,092.51	843.88 / 13	Pilot Travel Center #213 3600 INTERCHANGE RD COLUMBUS OH 43204	LUST

Release No:	25009634-N00016
Release No (Map):	25009634 - N00016
Facility Name (Map):	Pilot Travel Center #213
Address (Map):	3600 INTERCHANGE RD
City (Map):	COLUMBUS
Zip (Map):	43204
Latitude (Map):	39.97307
Longitude (Map):	-83.09957
Release No (Web):	25009634-N00016
Facility Name (Web):	Pilot Travel Center #213
Address (Web):	3600 INTERCHANGE RD
City (Web):	COLUMBUS
State (Web):	OH
Zip (Web):	43204
County (Web):	Franklin
Latitude (Web):	39.97329
Longitude (Web):	-83.09946
Release No (BUSTR):	25009634 - N00016

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility Name (BUSTR):	Pilot Travel Center #213
Address (BUSTR):	3600 INTERCHANGE RD
City (BUSTR):	COLUMBUS
State (BUSTR):	Ohio
Zip (BUSTR):	43204
County (BUSTR):	Franklin
Latitude (BUSTR):	39.97329
Longitude (BUSTR):	-83.09946
Release No (OTTER):	N00016
Fac No and Name(OTTER):	25009634 (Pilot Travel Center #213)
Address (OTTER):	3600 INTERCHANGE RD
City (OTTER):	COLUMBUS
State (OTTER):	
Zip (OTTER):	43204
County (OTTER):	Franklin
Data Source:	Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

Facility Details with Active & Inactive Environmental Files

Facility Status:	Inactive	**Date Last Change:**	8/23/2018
LTF Status:	1 SUS/CON from regulated UST	**Review Date:**	08/22/2018
FR Status:	NFA: No Further Action	**Priority:**	
Release Date:	09/29/2017	**Class:**	D
Class Description:	A viable RP has been identified		

Ohio Tank Tracking & Environmental Regulations (OTTER) Search

Old Incident ID:		**Date Reported:**	9/29/2017
Tank Status:	Active	**Owner Busi Name:**	PILOT TRAVEL CENTERS LLC
Facility:	25009634 (Pilot Travel Center #213)		
Facility Link:	https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#8072		
Release Link:	https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=39328		

Map Services Directory: BUSTR (MapServer): All Environmental

Object ID:	13710	**Lat:**	39.97307
FR Status:	NFA: No Further Action	**Long:**	-83.09957
Label:	25009634 - N00016 Pilot Travel Center #213	**Match:**	S80
Release No:	25009634 - N00016	**LOC QUAL:**	MAF3
Address Out:	3600 Interchange Rd	**Facility Z:**	43204
City Out:	Columbus	**Loc Conf:**	1
State Out:	OH	**Date Processed:**	1/1/1970, 12:36 AM
ZIP Out:	43204-1434		

Active and Inactive Registered Underground Storage Tanks (BUSTR)

Incident No:		**Facility Name:**	Pilot Travel Center #213
Status:	NFA: No Further Action	**Facility Address:**	3600 INTERCHANGE RD
Release Date:	9/29/2017	**Facility City:**	COLUMBUS
Last Status Updated:	8/23/2018	**Facility State:**	Ohio
Substatus:	Approved	**Facility ZIP:**	43204
Priority:		**Facility Latitude:**	39.97329
Class:	D	**Facility Longitude:**	-83.09946
Rules:	2017	**Last Review Date:**	8/22/2018
Coordinator:	David Israel	**Last Update:**	Kelly Gill
LTF:	1 SUS/CON from regulated UST	**Last Update Date:**	8/23/2018
Rating:		**County:**	Franklin
Sequence No:	28826		
Class Desc:	A viable RP has been identified		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
10	22 of27	SSW	0.40 / 2,092.51	843.88 / 13	Pilot Travel Center #213 3600 INTERCHANGE RD COLUMBUS OH 43204	DELISTED LST

Delisted Regulated and Non-Regulated Leaking Underground Storage Tanks (LUST)

Incident No:		**Class:**	D
Release No:	25009634 - N00005	**Class Desc:**	A viable RP has been identified
Status:	DIS: a release is disproved	**Rules:**	1999
Sub Status:		**Coordinator:**	David Israel
Release Date:	2/16/2005	**County:**	Franklin
LTF:	2 SUS/CON from non-regulated UST	**Facility Latitude:**	39.97329
Last Update:		**Facility Longitude:**	-83.09946
Last Update Date:	4/28/2012	**Original Source:**	NLUT
Last Status Update:	2/22/2005	**Record Date:**	09-OCT-2019
Priority:	3		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
10	23 of27	SSW	0.40 / 2,092.51	843.88 / 13	Pilot Travel Center #213 3600 INTERCHANGE RD COLUMBUS OH 43204	LUST

Release No:	25009634-N00005
Release No (Map):	25009634 - N00005
Facility Name (Map):	Pilot Travel Center #213
Address (Map):	3600 INTERCHANGE RD
City (Map):	COLUMBUS
Zip (Map):	43204
Latitude (Map):	39.97307
Longitude (Map):	-83.09957
Release No (Web):	
Facility Name (Web):	
Address (Web):	
City (Web):	
State (Web):	
Zip (Web):	
County (Web):	
Latitude (Web):	
Longitude (Web):	
Release No (BUSTR):	25009634 - N00005
Facility Name (BUSTR):	Pilot Travel Center #213
Address (BUSTR):	3600 INTERCHANGE RD
City (BUSTR):	COLUMBUS
State (BUSTR):	Ohio
Zip (BUSTR):	43204
County (BUSTR):	Franklin
Latitude (BUSTR):	39.97329
Longitude (BUSTR):	-83.09946
Release No (OTTER):	
Fac No and Name(OTTER):	
Address (OTTER):	
City (OTTER):	
State (OTTER):	
Zip (OTTER):	
County (OTTER):	
Data Source:	Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

Map Services Directory: BUSTR (MapServer): All Environmental

Object ID:	13699	**Lat:**	39.97307
FR Status:	DIS: a release is disproved	**Long:**	-83.09957
Label:	25009634 - N00005 Pilot Travel Center #213	**Match:**	S80
Release No:	25009634 - N00005	**LOC QUAL:**	MAF3
Address Out:	3600 Interchange Rd	**Facility Z:**	43204
City Out:	Columbus	**Loc Conf:**	1

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

State Out:	OH	**Date Processed:**	1/1/1970, 12:36 AM
ZIP Out:	43204-1434		

Active and Inactive Registered Underground Storage Tanks (BUSTR)

Incident No:		**Facility Name:**	Pilot Travel Center #213
Status:	DIS: a release is disproved	**Facility Address:**	3600 INTERCHANGE RD
Release Date:	2/16/2005	**Facility City:**	COLUMBUS
Last Status Updated:	2/22/2005	**Facility State:**	Ohio
Substatus:		**Facility ZIP:**	43204
Priority:	3	**Facility Latitude:**	39.97329
Class:	D	**Facility Longitude:**	-83.09946
Rules:	1999	**Last Review Date:**	2/22/2005
Coordinator:	David Israel	**Last Update:**	
LTF:	2 SUS/CON from non-regulated UST	**Last Update Date:**	4/28/2012
Rating:	0	**County:**	Franklin
Sequence No:	28815		
Class Desc:	A viable RP has been identified		

10	24 of27	SSW	0.40 / 2,092.51	843.88 / 13	**Pilot Travel Center #213** **3600 INTERCHANGE RD** **COLUMBUS OH 43204**	LUST

Release No:	25009634-N00017
Release No (Map):	25009634 - N00017
Facility Name (Map):	Pilot Travel Center #213
Address (Map):	3600 INTERCHANGE RD
City (Map):	COLUMBUS
Zip (Map):	43204
Latitude (Map):	39.97307
Longitude (Map):	-83.09957
Release No (Web):	25009634-N00017
Facility Name (Web):	Pilot Travel Center #213
Address (Web):	3600 INTERCHANGE RD
City (Web):	COLUMBUS
State (Web):	OH
Zip (Web):	43204
County (Web):	Franklin
Latitude (Web):	39.97329
Longitude (Web):	-83.09946
Release No (BUSTR):	25009634 - N00017
Facility Name (BUSTR):	Pilot Travel Center #213
Address (BUSTR):	3600 INTERCHANGE RD
City (BUSTR):	COLUMBUS
State (BUSTR):	Ohio
Zip (BUSTR):	43204
County (BUSTR):	Franklin
Latitude (BUSTR):	39.97329
Longitude (BUSTR):	-83.09946
Release No (OTTER):	N00017
Fac No and Name(OTTER):	25009634 (Pilot Travel Center #213)
Address (OTTER):	3600 INTERCHANGE RD
City (OTTER):	COLUMBUS
State (OTTER):	
Zip (OTTER):	43204
County (OTTER):	Franklin
Data Source:	Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

Facility Details with Active & Inactive Environmental Files

Facility Status:	Active	**Date Last Change:**	8/26/2021
LTF Status:	6 Closure of regulated UST	**Review Date:**	08/26/2021
FR Status:	CSN: Closure Sampling Not Required	**Priority:**	
Release Date:	07/19/2019	**Class:**	D

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Class Description: A viable RP has been identified

Ohio Tank Tracking & Environmental Regulations (OTTER) Search

Old Incident ID:
Tank Status: Active
Facility: 25009634 (Pilot Travel Center #213)
Facility Link: https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#8072
Release Link: https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=41895
Date Reported: 7/19/2019
Owner Busi Name: PILOT TRAVEL CENTERS LLC

Map Services Directory: BUSTR (MapServer): All Environmental

Object ID: 13711
FR Status: CLO: Closure
Label: 25009634 - N00017 Pilot Travel Center #213
Release No: 25009634 - N00017
Address Out: 3600 Interchange Rd
City Out: Columbus
State Out: OH
ZIP Out: 43204-1434
Lat: 39.97307
Long: -83.09957
Match: S80
LOC QUAL: MAF3
Facility Z: 43204
Loc Conf: 1
Date Processed: 1/1/1970, 12:36 AM

Active and Inactive Registered Underground Storage Tanks (BUSTR)

Incident No:
Status: CSN: Closure Sampling Not Required
Release Date: 7/19/2019
Last Status Updated: 8/26/2021
Substatus: Approved
Priority:
Class: D
Rules: 2017
Coordinator: David Israel
LTF: 6 Closure of regulated UST
Rating:
Sequence No: 28827
Class Desc: A viable RP has been identified
Facility Name: Pilot Travel Center #213
Facility Address: 3600 INTERCHANGE RD
Facility City: COLUMBUS
Facility State: Ohio
Facility ZIP: 43204
Facility Latitude: 39.97329
Facility Longitude: -83.09946
Last Review Date: 8/26/2021
Last Update: Scott Sigler
Last Update Date: 8/26/2021
County: Franklin

10	25 of27	SSW	0.40 / 2,092.51	843.88 / 13	Pilot Travel Center #213 3600 INTERCHANGE RD COLUMBUS OH 43204	LUST

Release No: 25009634-N00018
Release No (Map):
Facility Name (Map):
Address (Map):
City (Map):
Zip (Map):
Latitude (Map):
Longitude (Map):
Release No (Web): 25009634-N00018
Facility Name (Web): Pilot Travel Center #213
Address (Web): 3600 INTERCHANGE RD
City (Web): COLUMBUS
State (Web): OH
Zip (Web): 43204
County (Web): Franklin
Latitude (Web): 39.97329
Longitude (Web): -83.09946
Release No (BUSTR): 25009634 - N00018
Facility Name (BUSTR): Pilot Travel Center #213
Address (BUSTR): 3600 INTERCHANGE RD
City (BUSTR): COLUMBUS
State (BUSTR): Ohio
Zip (BUSTR): 43204
County (BUSTR): Franklin

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Latitude (BUSTR): 39.97329
Longitude (BUSTR): -83.09946
Release No (OTTER): N00018
Fac No and Name(OTTER): 25009634 (Pilot Travel Center #213)
Address (OTTER): 3600 INTERCHANGE RD
City (OTTER): COLUMBUS
State (OTTER):
Zip (OTTER): 43204
County (OTTER): Franklin
Data Source: Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Active and Inactive Registered Underground Storage Tanks (BUSTR)

Facility Details with Active & Inactive Environmental Files

Facility Status: Inactive
LTF Status: 1 SUS/CON from regulated UST
FR Status: DIS: a release is disproved
Release Date: 04/25/2021
Class Description: A viable RP has been identified
Date Last Change: 7/8/2021
Review Date: 07/08/2021
Priority:
Class: D

Ohio Tank Tracking & Environmental Regulations (OTTER) Search

Old Incident ID:
Tank Status: Active
Facility: 25009634 (Pilot Travel Center #213)
Facility Link: https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#8072
Release Link: https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=52057
Date Reported: 4/25/2021
Owner Busi Name: PILOT TRAVEL CENTERS LLC

Active and Inactive Registered Underground Storage Tanks (BUSTR)

Incident No:
Status: DIS: a release is disproved
Release Date: 4/25/2021
Last Status Updated: 7/8/2021
Substatus: Approved
Priority:
Class: D
Rules: 2017
Coordinator: David Israel
LTF: 1 SUS/CON from regulated UST
Rating:
Sequence No: 28828
Class Desc: A viable RP has been identified
Facility Name: Pilot Travel Center #213
Facility Address: 3600 INTERCHANGE RD
Facility City: COLUMBUS
Facility State: Ohio
Facility ZIP: 43204
Facility Latitude: 39.97329
Facility Longitude: -83.09946
Last Review Date: 7/8/2021
Last Update: Scott Sigler
Last Update Date: 7/8/2021
County: Franklin

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
10	26 of27	SSW	0.40 / 2,092.51	843.88 / 13	Pilot Travel Center #213 3600 INTERCHANGE RD COLUMBUS OH 43204	LUST

Release No: 25009634-N00019
Release No (Map):
Facility Name (Map):
Address (Map):
City (Map):
Zip (Map):
Latitude (Map):
Longitude (Map):
Release No (Web): 25009634-N00019
Facility Name (Web): Pilot Travel Center #213
Address (Web): 3600 INTERCHANGE RD
City (Web): COLUMBUS
State (Web): OH
Zip (Web): 43204
County (Web): Franklin
Latitude (Web): 39.97329
Longitude (Web): -83.09946

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Release No (BUSTR):	25009634 - N00019
Facility Name (BUSTR):	Pilot Travel Center #213
Address (BUSTR):	3600 INTERCHANGE RD
City (BUSTR):	COLUMBUS
State (BUSTR):	Ohio
Zip (BUSTR):	43204
County (BUSTR):	Franklin
Latitude (BUSTR):	39.97329
Longitude (BUSTR):	-83.09946
Release No (OTTER):	N00019
Fac No and Name(OTTER):	25009634 (Pilot Travel Center #213)
Address (OTTER):	3600 INTERCHANGE RD
City (OTTER):	COLUMBUS
State (OTTER):	
Zip (OTTER):	43204
County (OTTER):	Franklin
Data Source:	Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Active and Inactive Registered Underground Storage Tanks (BUSTR)

Facility Details with Active & Inactive Environmental Files

Facility Status:	Active	**Date Last Change:**	3/10/2023
LTF Status:	1 SUS/CON from regulated UST	**Review Date:**	03/10/2023
FR Status:	TTT: Tank Tightness Test Only	**Priority:**	
Release Date:	03/09/2023	**Class:**	D
Class Description:	A viable RP has been identified		

Ohio Tank Tracking & Environmental Regulations (OTTER) Search

Old Incident ID:		**Date Reported:**	3/9/2023
Tank Status:	Active	**Owner Busi Name:**	PILOT TRAVEL CENTERS LLC
Facility:	25009634 (Pilot Travel Center #213)		
Facility Link:	https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#8072		
Release Link:	https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=69553		

Active and Inactive Registered Underground Storage Tanks (BUSTR)

Incident No:		**Facility Name:**	Pilot Travel Center #213
Status:	TTT: Tank Tightness Test Only	**Facility Address:**	3600 INTERCHANGE RD
Release Date:	3/9/2023	**Facility City:**	COLUMBUS
Last Status Updated:	3/10/2023	**Facility State:**	Ohio
Substatus:	Required	**Facility ZIP:**	43204
Priority:		**Facility Latitude:**	39.97329
Class:	D	**Facility Longitude:**	-83.09946
Rules:	2022	**Last Review Date:**	3/10/2023
Coordinator:	David Israel	**Last Update:**	David Israel
LTF:	1 SUS/CON from regulated UST	**Last Update Date:**	3/10/2023
Rating:		**County:**	Franklin
Sequence No:	28829		
Class Desc:	A viable RP has been identified		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
10	27 of27	SSW	0.40 / 2,092.51	843.88 / 13	Pilot Travel Center #213 3600 INTERCHANGE RD COLUMBUS OH 43204	LUST

Release No:	25009634-N00020
Release No (Map):	
Facility Name (Map):	
Address (Map):	
City (Map):	
Zip (Map):	
Latitude (Map):	
Longitude (Map):	
Release No (Web):	25009634-N00020
Facility Name (Web):	Pilot Travel Center #213

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Address (Web):	3600 INTERCHANGE RD
City (Web):	COLUMBUS
State (Web):	OH
Zip (Web):	43204
County (Web):	Franklin
Latitude (Web):	39.97329
Longitude (Web):	-83.09946
Release No (BUSTR):	25009634 - N00020
Facility Name (BUSTR):	Pilot Travel Center #213
Address (BUSTR):	3600 INTERCHANGE RD
City (BUSTR):	COLUMBUS
State (BUSTR):	Ohio
Zip (BUSTR):	43204
County (BUSTR):	Franklin
Latitude (BUSTR):	39.97329
Longitude (BUSTR):	-83.09946
Release No (OTTER):	N00020
Fac No and Name(OTTER):	25009634 (Pilot Travel Center #213)
Address (OTTER):	3600 INTERCHANGE RD
City (OTTER):	COLUMBUS
State (OTTER):	
Zip (OTTER):	43204
County (OTTER):	Franklin
Data Source:	Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Active and Inactive Registered Underground Storage Tanks (BUSTR)

Facility Details with Active & Inactive Environmental Files

Facility Status:	Active	**Date Last Change:**	5/31/2023
LTF Status:	6 Closure of regulated UST	**Review Date:**	05/31/2023
FR Status:	CLO: Closure	**Priority:**	
Release Date:	05/23/2023	**Class:**	D
Class Description:	A viable RP has been identified		

Ohio Tank Tracking & Environmental Regulations (OTTER) Search

Old Incident ID:		**Date Reported:**	5/23/2023
Tank Status:	Active	**Owner Busi Name:**	PILOT TRAVEL CENTERS LLC
Facility:	25009634 (Pilot Travel Center #213)		
Facility Link:	https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#8072		
Release Link:	https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=71737		

Active and Inactive Registered Underground Storage Tanks (BUSTR)

Incident No:		**Facility Name:**	Pilot Travel Center #213
Status:	CLO: Closure	**Facility Address:**	3600 INTERCHANGE RD
Release Date:	5/23/2023	**Facility City:**	COLUMBUS
Last Status Updated:	5/31/2023	**Facility State:**	Ohio
Substatus:	Required	**Facility ZIP:**	43204
Priority:		**Facility Latitude:**	39.97329
Class:	D	**Facility Longitude:**	-83.09946
Rules:	2022	**Last Review Date:**	5/31/2023
Coordinator:	David Israel	**Last Update:**	David Israel
LTF:	6 Closure of regulated UST	**Last Update Date:**	5/31/2023
Rating:		**County:**	Franklin
Sequence No:	28830		
Class Desc:	A viable RP has been identified		

11	*1 of1*	*WNW*	*0.44 / 2,325.73*	*847.65 / 16*	***CLARK GRAPHICS, INC.*** ***1550 WILSON RD*** ***COLUMBUS OH 43204***	***LUST***

Release No:	25009004-N00001
Release No (Map):	25009004 - N00001
Facility Name (Map):	CLARK GRAPHICS, INC.

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Address (Map):	1550 WILSON RD
City (Map):	COLUMBUS
Zip (Map):	43204
Latitude (Map):	39.98516
Longitude (Map):	-83.10554
Release No (Web):	25009004-N00001
Facility Name (Web):	CLARK GRAPHICS, INC.
Address (Web):	1550 WILSON RD
City (Web):	COLUMBUS
State (Web):	OH
Zip (Web):	43204
County (Web):	Franklin
Latitude (Web):	39.984785
Longitude (Web):	-83.105657
Release No (BUSTR):	25009004 - N00001
Facility Name (BUSTR):	CLARK GRAPHICS, INC.
Address (BUSTR):	1550 WILSON RD
City (BUSTR):	COLUMBUS
State (BUSTR):	Ohio
Zip (BUSTR):	43204
County (BUSTR):	Franklin
Latitude (BUSTR):	39.984785
Longitude (BUSTR):	-83.105657
Release No (OTTER):	N00001
Fac No and Name(OTTER):	25009004 (CLARK GRAPHICS, INC.)
Address (OTTER):	1550 WILSON RD
City (OTTER):	COLUMBUS
State (OTTER):	
Zip (OTTER):	43204
County (OTTER):	Franklin
Data Source:	Ohio Tank Tracking & Environmental Regulations (OTTER) Search; Facility Details with Active & Inactive Environmental Files (Web); Map Services Directory: BUSTR (MapServer): All Environmental (Map); Active and Inactive Registered Underground Storage Tanks (BUSTR)

Facility Details with Active & Inactive Environmental Files

Facility Status:	Inactive	***Date Last Change:***	9/14/1994
LTF Status:	6 Closure of regulated UST	***Review Date:***	09/14/1994
FR Status:	NFA: No Further Action	***Priority:***	2
Release Date:	01/07/1993	***Class:***	D
Class Description:	A viable RP has been identified		

Ohio Tank Tracking & Environmental Regulations (OTTER) Search

Old Incident ID:	252250800.0	***Date Reported:***	1/7/1993
Tank Status:	No Tanks Available	***Owner Busi Name:***	BOB CLARK
Facility:	25009004 (CLARK GRAPHICS, INC.)		
Facility Link:	https://apps.com.ohio.gov/fire/OTTER/Home/Index?ReturnUrl=%2ffire%2fOTTER%2fInquiry%2fInquiry#11313		
Release Link:	https://apps.com.ohio.gov/fire/OTTER/CorrectiveAction/ReleaseReport?releasesId=19451		

Map Services Directory: BUSTR (MapServer): All Environmental

Object ID:	13613	***Lat:***	39.98516
FR Status:	NFA: No Further Action	***Long:***	-83.10554
Label:	25009004 - N00001 CLARK GRAPHICS, INC.	***Match:***	S82
Release No:	25009004 - N00001	***LOC QUAL:***	MAF3
Address Out:	1550 N Wilson Rd	***Facility Z:***	43204
City Out:	Columbus	***Loc Conf:***	1
State Out:	OH	***Date Processed:***	1/1/1970, 12:36 AM
ZIP Out:	43204-1581		

Active and Inactive Registered Underground Storage Tanks (BUSTR)

Incident No:	252250800.0	***Facility Name:***	CLARK GRAPHICS, INC.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Status:	NFA: No Further Action	**Facility Address:**	1550 WILSON RD
Release Date:	1/7/1993	**Facility City:**	COLUMBUS
Last Status Updated:	9/14/1994	**Facility State:**	Ohio
Substatus:	Approved	**Facility ZIP:**	43204
Priority:	2	**Facility Latitude:**	39.984785
Class:	D	**Facility Longitude:**	-83.105657
Rules:	1992	**Last Review Date:**	9/14/1994
Coordinator:	David Israel	**Last Update:**	Charles Zepp
LTF:	6 Closure of regulated UST	**Last Update Date:**	7/12/2023
Rating:		**County:**	Franklin
Sequence No:	8369		
Class Desc:	A viable RP has been identified		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
12	1 of2	SSW	0.79 / 4,174.95	842.06 / 11	UNIVAR SOLUTIONS USA INC COLUMBUS 3849 FISHER RD COLUMBUS OH 43228	RCRA CORRACTS

EPA Handler ID:	OHD000816736
Gen Status Universe:	No Report
Contact Name:	TREY RICHARDSON
Contact Address:	5200 BLAZER PKWY , , DUBLIN , OH, 43017 , US
Contact Phone No and Ext:	614-790-2345
Contact Email:	TRICHARDSON@ASHLAND.COM
Contact Country:	US
County Name:	FRANKLIN
EPA Region:	05
Land Type:	Private
Receive Date:	20220404
Location Latitude:	39.967923
Location Longitude:	-83.103236

Event/Area Details

Area Name:	ENTIRE FACILITY
Event Code:	CA075LO
Corrective Action Event Descri:	CA PRIORITIZATION-LOW CA PRIORITY
Actual Date of Event:	19940930
Orig Sched Event Date:	
New Sched Event Date:	
Best Date:	19940930
Groundwater Release Indicator:	
Soil Release Indicator:	
Air Release Indicator:	
Surface Waste Release Ind:	
Event Responsible Agency:	E

Area Name:	ENTIRE FACILITY
Event Code:	CA725YE
Corrective Action Event Descri:	HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Actual Date of Event:	20100622
Orig Sched Event Date:	
New Sched Event Date:	
Best Date:	20100622
Groundwater Release Indicator:	
Soil Release Indicator:	
Air Release Indicator:	
Surface Waste Release Ind:	
Event Responsible Agency:	E

Area Name:	ENTIRE FACILITY
Event Code:	CA750YE
Corrective Action Event Descri:	RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE
Actual Date of Event:	20100507
Orig Sched Event Date:	
New Sched Event Date:	
Best Date:	20100507

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Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: E

Area Name: ENTIRE FACILITY
Event Code: CA002IL
Corrective Action Event Descri: POTENTIAL CA OBLIGATIONS [CATEGORY A] - INITIAL LOAD
Actual Date of Event: 20060701
Orig Sched Event Date:
New Sched Event Date:
Best Date: 20060701
Groundwater Release Indicator:
Soil Release Indicator:
Air Release Indicator:
Surface Waste Release Ind:
Event Responsible Agency: S

Violation/Evaluation Summary

Note: VIOLATION or UNDETERMINED: There are VIOLATION or UNDETERMINED details or records associated with this facility (EPA ID) in the Compliance Monitoring and Enforcement table dated Oct, 2023.

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - Landfill Standards
Violation Type: 264.N
Violation Determined Date: 20220404
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20220414
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20220527
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - Releases from SWMUs
Violation Type: 264.F
Violation Determined Date: 20140415
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20140711
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20140415
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: SR - 3745-66-11(A&B)
Violation Short Description: TSD - Closure/Post-Closure
Violation Type: 264.G
Violation Determined Date: 20010917
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20010926
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20010926
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: SR - 3745-270-07(A)(2)
Violation Short Description: LDR - General
Violation Type: 268.A
Violation Determined Date: 20010917
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20010926
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20010926
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: SR - 3745-52-34(C)(1)(b)
Violation Short Description: Generators - Pre-transport
Violation Type: 262.C

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Violation Determined Date: 20000926
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 20000926
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20001005
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: SR - 3745-65-33
Violation Short Description: Generators - Pre-transport
Violation Type: 262.C
Violation Determined Date: 20000926
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20000929
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20001005
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: SR - 3745-66-74
Violation Short Description: Generators - Pre-transport
Violation Type: 262.C
Violation Determined Date: 20000926
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20000929
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20001005
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: SR - 3745-59-07(A)(1)
Violation Short Description: LDR - General
Violation Type: 268.A
Violation Determined Date: 20000926
Scheduled Compliance Date:
Return to Compliance: Documented
Actual Return to Compl: 20000929
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 20001005
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: SR - 3745-59-07(A)(1)
Violation Short Description: LDR - General
Violation Type: 268.A
Violation Determined Date: 19970911
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19970918
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19970918
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: SR - 3745-65-16(D)
Violation Short Description: Generators - Pre-transport
Violation Type: 262.C
Violation Determined Date: 19960611
Scheduled Compliance Date: 19960731
Return to Compliance: Observed
Actual Return to Compl: 19960808
Violation Responsible Agency: State

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19960627
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: SR - 3745-65-33(A)(B)
Violation Short Description: Generators - Pre-transport
Violation Type: 262.C
Violation Determined Date: 19960611
Scheduled Compliance Date: 19960731
Return to Compliance: Observed
Actual Return to Compl: 19960808
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19960627
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: SR - 3745-55-44(e)
Violation Short Description: TSD - Financial Requirements
Violation Type: 264.H
Violation Determined Date: 19960110
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19970117
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19960122
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Found Violation: Yes
Citation: SR - 3745-66-42(E)
Violation Short Description: TSD - Financial Requirements
Violation Type: 264.H
Violation Determined Date: 19960110
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19960117
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19960122
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: SR - 3745-66-74(A)(B)
Violation Short Description: Generators - Pre-transport
Violation Type: 262.C
Violation Determined Date: 19940526
Scheduled Compliance Date: 19940722
Return to Compliance: Observed
Actual Return to Compl: 19940706
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19940615
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: SR - 3745-52-41
Violation Short Description: Generators - Records/Reporting
Violation Type: 262.D
Violation Determined Date: 19940526
Scheduled Compliance Date: 19940722
Return to Compliance: Observed
Actual Return to Compl: 19940706
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19940615

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation:
Violation Short Description: TSD - Closure/Post-Closure
Violation Type: 264.G
Violation Determined Date: 19900906
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19940526
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 310
Enforcement Type Description: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 19910923
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19900913
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: SR - 3745-52-20
Violation Short Description: Generators - Manifest
Violation Type: 262.B
Violation Determined Date: 19880624
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19880914
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19880713
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

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Violation Details

Found Violation: Yes
Citation: SR - 3745-52-34
Violation Short Description: Generators - Pre-transport
Violation Type: 262.C
Violation Determined Date: 19880624
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19880914
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19880713
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: SR - 3745-65-52
Violation Short Description: TSD - Contingency Plan and Emergency Procedures
Violation Type: 264.D
Violation Determined Date: 19880624
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19880914
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19880713
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: SR - 3745-65-73
Violation Short Description: TSD - Manifest/Records/Reporting
Violation Type: 264.E
Violation Determined Date: 19880624
Scheduled Compliance Date:
Return to Compliance: Observed
Actual Return to Compl: 19880914
Violation Responsible Agency: State

Enforcement Details

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19880713
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: SR - 3745-65-16
Violation Short Description: TSD - Preparedness and Prevention
Violation Type: 264.C
Violation Determined Date: 19870731
Scheduled Compliance Date: 19870831
Return to Compliance: Observed
Actual Return to Compl: 19870921
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19870811
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: SR - 3745-66-95
Violation Short Description: TSD - Tank System Standards
Violation Type: 264.J
Violation Determined Date: 19870731
Scheduled Compliance Date: 19870831
Return to Compliance: Observed
Actual Return to Compl: 19870921
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19870811
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: SR - 3745-65-14

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Violation Short Description: TSD - General Facility Standards
Violation Type: 264.B
Violation Determined Date: 19860910
Scheduled Compliance Date: 19861015
Return to Compliance: Observed
Actual Return to Compl: 19861216
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19860915
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: SR - 3745-65-16
Violation Short Description: TSD - Preparedness and Prevention
Violation Type: 264.C
Violation Determined Date: 19860910
Scheduled Compliance Date: 19861015
Return to Compliance: Observed
Actual Return to Compl: 19861216
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19860915
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: SR - 3745-65-35
Violation Short Description: TSD - Preparedness and Prevention
Violation Type: 264.C
Violation Determined Date: 19860910
Scheduled Compliance Date: 19861015
Return to Compliance: Observed
Actual Return to Compl: 19861216
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19860915
Enf Disposition Status:
Disposition Status Date:

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Violation Details

Found Violation: Yes
Citation: SR - 3745-66-74
Violation Short Description: TSD - Container Use and Management
Violation Type: 264.I
Violation Determined Date: 19860910
Scheduled Compliance Date: 19861015
Return to Compliance: Observed
Actual Return to Compl: 19861216
Violation Responsible Agency: State

Enforcement Details

Enforcement Type: 120
Enforcement Type Description: WRITTEN INFORMAL
Enforcement Action Date: 19860915
Enf Disposition Status:
Disposition Status Date:
Enforcement Lead Agency: State
Proposed Penalty Amount:
Final Amount:
Paid Amount:

Evaluation Details

Evaluation Start Date: 20230929
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20230502
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20220920
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20220404
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Violation Short Description: TSD - Landfill Standards
Return to Compliance Date: 20220414
Evaluation Agency: State

Evaluation Start Date: 20220304
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20210929
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Evaluation Agency: State

Evaluation Start Date: 20210526
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20200924
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20200511
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20190927
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20190506
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20181129
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20180927
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20180516
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20170928
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20170725
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20170504
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20160929

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20160726
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20151214
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20150910
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20140922
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20140415
Evaluation Type Description: NON-FINANCIAL RECORD REVIEW
Violation Short Description: TSD - Releases from SWMUs
Return to Compliance Date: 20140711
Evaluation Agency: State

Evaluation Start Date: 20130716
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20121211
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20120308
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20110329
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20100726
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20091001
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:

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Evaluation Agency: State

Evaluation Start Date: 20090113
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20080125
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20070119
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20060816
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20060120
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20051213
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20050928
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20050921
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20040915
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20040901
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20030821
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20030521

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Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20020710
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20020329
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20010917
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: LDR - General
Return to Compliance Date: 20010926
Evaluation Agency: State

Evaluation Start Date: 20010917
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Closure/Post-Closure
Return to Compliance Date: 20010926
Evaluation Agency: State

Evaluation Start Date: 20010228
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 20000926
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 20000929
Evaluation Agency: State

Evaluation Start Date: 20000926
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: LDR - General
Return to Compliance Date: 20000929
Evaluation Agency: State

Evaluation Start Date: 20000926
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 20000926
Evaluation Agency: State

Evaluation Start Date: 20000628
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19990322
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19981002
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Evaluation Agency: State

Evaluation Start Date: 19980303
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19970911
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: LDR - General
Return to Compliance Date: 19970918
Evaluation Agency: State

Evaluation Start Date: 19970513
Evaluation Type Description: OPERATION AND MAINTENANCE INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19970114
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19960611
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 19960808
Evaluation Agency: State

Evaluation Start Date: 19960110
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description: TSD - Financial Requirements
Return to Compliance Date: 19970117
Evaluation Agency: State

Evaluation Start Date: 19960110
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description: TSD - Financial Requirements
Return to Compliance Date: 19960117
Evaluation Agency: State

Evaluation Start Date: 19950123
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19940526
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 19940706
Evaluation Agency: State

Evaluation Start Date: 19940526
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Records/Reporting
Return to Compliance Date: 19940706
Evaluation Agency: State

Evaluation Start Date: 19940324
Evaluation Type Description: GROUNDWATER MONITORING EVALUATION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19940111

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Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19930924
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19920227
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19910307
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19900906
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19900906
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Closure/Post-Closure
Return to Compliance Date: 19940526
Evaluation Agency: State

Evaluation Start Date: 19890810
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19890810
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19890203
Evaluation Type Description: FINANCIAL RECORD REVIEW
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19880624
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Pre-transport
Return to Compliance Date: 19880914
Evaluation Agency: State

Evaluation Start Date: 19880624
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Manifest/Records/Reporting
Return to Compliance Date: 19880914
Evaluation Agency: State

Evaluation Start Date: 19880624
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: Generators - Manifest
Return to Compliance Date: 19880914

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Evaluation Agency: State

Evaluation Start Date: 19880624
Evaluation Type Description: FOCUSED COMPLIANCE INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19880624
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Contingency Plan and Emergency Procedures
Return to Compliance Date: 19880914
Evaluation Agency: State

Evaluation Start Date: 19870731
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Preparedness and Prevention
Return to Compliance Date: 19870921
Evaluation Agency: State

Evaluation Start Date: 19870731
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Tank System Standards
Return to Compliance Date: 19870921
Evaluation Agency: State

Evaluation Start Date: 19860910
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Preparedness and Prevention
Return to Compliance Date: 19861216
Evaluation Agency: State

Evaluation Start Date: 19860910
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - Container Use and Management
Return to Compliance Date: 19861216
Evaluation Agency: State

Evaluation Start Date: 19860910
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description: TSD - General Facility Standards
Return to Compliance Date: 19861216
Evaluation Agency: State

Evaluation Start Date: 19840824
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19830829
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Evaluation Start Date: 19820726
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Violation Short Description:
Return to Compliance Date:
Evaluation Agency: State

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No

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Onsite Burner: No
Smelting, Melting and Refining: No
Underground Injection Control: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19801121
Handler Name: ASHLAND DIST CO - A DIV OF ASHLAND INC
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified
Source Type: Part A

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Code: F002
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: U122
Waste Code Description: FORMALDEHYDE

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19900212

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Handler Name: ASHLAND CHEMICAL INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 19920217
Handler Name: ASHLAND CHEMICAL, INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19940210
Handler Name: ASHLAND DIST CO - A DIV OF ASHLAND INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Notification

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19941220
Handler Name: ASHLAND DIST CO - A DIV OF ASHLAND INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 19950913
Handler Name: ASHLAND DIST CO - A DIV OF ASHLAND INC
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Implementer

Waste Code Details

Hazardous Waste Code: NONE
Waste Code Description: DESCRIPTION

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 19980209
Handler Name: ASHLAND CHEMICAL COMPANY
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 4
Receive Date: 20000214
Handler Name: ASHLAND CHEMICAL COMPANY
Federal Waste Generator Code: 1

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Generator Code Description: Large Quantity Generator
Source Type: Annual/Biennial Report

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20011231
Handler Name: ASHLAND DIST CO - A DIV OF ASHLAND INC
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D000
Waste Code Description: DESCRIPTION

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Code: F001
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F002
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F004
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: CRESOLS, CRESYLIC ACID, AND NITROBENZENE; AND THE STILL BOTTOMS FROM THE RECOVERY OF THESE SOLVENTS; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F005
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

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Hazardous Waste Code:	F006
Waste Code Description:	WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS, EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC, AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.
Hazardous Waste Code:	F007
Waste Code Description:	SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.
Hazardous Waste Code:	F008
Waste Code Description:	PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.
Hazardous Waste Code:	P022
Waste Code Description:	CARBON DISULFIDE
Hazardous Waste Code:	P029
Waste Code Description:	COPPER CYANIDE (OR) COPPER CYANIDE CU(CN)
Hazardous Waste Code:	U001
Waste Code Description:	ACETALDEHYDE (I) (OR) ETHANAL (I)
Hazardous Waste Code:	U002
Waste Code Description:	2-PROPANONE (I) (OR) ACETONE (I)
Hazardous Waste Code:	U004
Waste Code Description:	ACETOPHENONE (OR) ETHANONE, 1-PHENYL-
Hazardous Waste Code:	U012
Waste Code Description:	ANILINE (I,T) (OR) BENZENAMINE (I,T)
Hazardous Waste Code:	U019
Waste Code Description:	BENZENE (I,T)
Hazardous Waste Code:	U028
Waste Code Description:	1,2-BENZENEDICARBOXYLIC ACID, BIS(2-ETHYLHEXYL) ESTER (OR) DIETHYLHEXYL PHTHALATE
Hazardous Waste Code:	U031
Waste Code Description:	1-BUTANOL (I) (OR) N-BUTYL ALCOHOL (I)
Hazardous Waste Code:	U037
Waste Code Description:	BENZENE, CHLORO- (OR) CHLOROBENZENE
Hazardous Waste Code:	U044
Waste Code Description:	CHLOROFORM (OR) METHANE, TRICHLORO-
Hazardous Waste Code:	U055
Waste Code Description:	BENZENE, (1-METHYLETHYL)- (I) (OR) CUMENE (I)
Hazardous Waste Code:	U056
Waste Code Description:	BENZENE, HEXAHYDRO- (I) (OR) CYCLOHEXANE (I)
Hazardous Waste Code:	U057
Waste Code Description:	CYCLOHEXANONE (I)
Hazardous Waste Code:	U069
Waste Code Description:	1,2-BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER (OR) DIBUTYL PHTHALATE
Hazardous Waste Code:	U070
Waste Code Description:	BENZENE, 1,2-DICHLORO- (OR) O-DICHLOROBENZENE
Hazardous Waste Code:	U071
Waste Code Description:	BENZENE, 1,3-DICHLORO- (OR) M-DICHLOROBENZENE
Hazardous Waste Code:	U072
Waste Code Description:	BENZENE, 1,4-DICHLORO- (OR) P-DICHLOROBENZENE

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Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Hazardous Waste Code:	U088
Waste Code Description:	1,2-BENZENEDICARBOXYLIC ACID, DIETHYL ESTER (OR) DIETHYL PHTHALATE
Hazardous Waste Code:	U092
Waste Code Description:	DIMETHYLAMINE (I) (OR) METHANAMINE, N-METHYL- (I)
Hazardous Waste Code:	U102
Waste Code Description:	1,2-BENZENEDICARBOXYLIC ACID, DIMETHYL ESTER (OR) DIMETHYL PHTHALATE
Hazardous Waste Code:	U103
Waste Code Description:	DIMETHYL SULFATE (OR) SULFURIC ACID, DIMETHYL ESTER
Hazardous Waste Code:	U107
Waste Code Description:	1,2-BENZENEDICARBOXYLIC ACID, DIOCTYL ESTER (OR) DI-N-OCTYL PHTHALATE
Hazardous Waste Code:	U108
Waste Code Description:	1,4-DIETHYLENEOXIDE (OR) 1,4-DIOXANE
Hazardous Waste Code:	U110
Waste Code Description:	1-PROPANIMINE, N-PROPYL-(I) (OR) DIPROPYLAMINE (I)
Hazardous Waste Code:	U112
Waste Code Description:	ACETIC ACID, ETHYL ESTER (I) (OR) ETHYL ACETATE (I)
Hazardous Waste Code:	U117
Waste Code Description:	ETHANE, 1,1'-OXYBIS-(I) (OR) ETHYL ETHER (I)
Hazardous Waste Code:	U122
Waste Code Description:	FORMALDEHYDE
Hazardous Waste Code:	U123
Waste Code Description:	FORMIC ACID (C,T)
Hazardous Waste Code:	U125
Waste Code Description:	2-FURANCARBOXALDEHYDE (I) (OR) FURFURAL (I)
Hazardous Waste Code:	U134
Waste Code Description:	HYDROFLUORIC ACID (C,T) (OR) HYDROGEN FLUORIDE (C,T)
Hazardous Waste Code:	U140
Waste Code Description:	1-PROPANOL, 2-METHYL- (I,T) (OR) ISOBUTYL ALCOHOL (I,T)
Hazardous Waste Code:	U147
Waste Code Description:	2,5-FURANDIONE (OR) MALEIC ANHYDRIDE
Hazardous Waste Code:	U154
Waste Code Description:	METHANOL (I) (OR) METHYL ALCOHOL (I)
Hazardous Waste Code:	U159
Waste Code Description:	2-BUTANONE (I,T) (OR) METHYL ETHYL KETONE (MEK) (I,T)
Hazardous Waste Code:	U160
Waste Code Description:	2-BUTANONE, PEROXIDE (R,T) (OR) METHYL ETHYL KETONE PEROXIDE (R,T)
Hazardous Waste Code:	U165
Waste Code Description:	NAPHTHALENE
Hazardous Waste Code:	U171
Waste Code Description:	2-NITROPROPANE (I,T) (OR) PROPANE, 2-NITRO- (I,T)
Hazardous Waste Code:	U189
Waste Code Description:	PHOSPHORUS SULFIDE (R) (OR) SULFUR PHOSPHIDE (R)
Hazardous Waste Code:	U190
Waste Code Description:	1,3-ISOBENZOFURANDIONE (OR) PHTHALIC ANHYDRIDE
Hazardous Waste Code:	U194
Waste Code Description:	1-PROPANAMINE (I,T) (OR) N-PROPYLAMINE (I,T)

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Hazardous Waste Code: U210
Waste Code Description: ETHENE, TETRACHLORO- (OR) TETRACHLOROETHYLENE

Hazardous Waste Code: U211
Waste Code Description: CARBON TETRACHLORIDE (OR) METHANE, TETRACHLORO-

Hazardous Waste Code: U213
Waste Code Description: FURAN, TETRAHYDRO-(I) (OR) TETRAHYDROFURAN (I)

Hazardous Waste Code: U219
Waste Code Description: THIOUREA

Hazardous Waste Code: U220
Waste Code Description: BENZENE, METHYL- (OR) TOLUENE

Hazardous Waste Code: U223
Waste Code Description: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T) (OR) TOLUENE DIISOCYANATE (R,T)

Hazardous Waste Code: U226
Waste Code Description: ETHANE, 1,1,1-TRICHLORO- (OR) METHYL CHLOROFORM

Hazardous Waste Code: U228
Waste Code Description: ETHENE, TRICHLORO- (OR) TRICHLOROETHYLENE

Hazardous Waste Code: U239
Waste Code Description: BENZENE, DIMETHYL- (I,T) (OR) XYLENE (I)

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20020221
Handler Name: ASHLAND CHEMICAL COMPANY
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: F002
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Hazardous Waste Handler Details

Sequence No: 2
Receive Date: 20030212
Handler Name: ASHLAND DISTRIBUTION COMPANY
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: D040
Waste Code Description: TRICHLORETHYLENE

Hazardous Waste Code: F002
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 5
Receive Date: 20040211
Handler Name: ASHLAND DISTRIBUTION CO
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Annual/Biennial Report

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: D040
Waste Code Description: TRICHLORETHYLENE

Hazardous Waste Code: F002

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Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 20040915
Handler Name: ASHLAND DISTRIBUTION SERVICES
Federal Waste Generator Code: 3
Generator Code Description: Very Small Quantity Generator
Source Type: Implementer

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: F002
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 6
Receive Date: 20050127
Handler Name: ASHLAND DISTRIBUTION COMPANY
Federal Waste Generator Code: 3
Generator Code Description: Very Small Quantity Generator
Source Type: Annual/Biennial Report

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Hazardous Waste Handler Details

Sequence No: 4
Receive Date: 20050928
Handler Name: ASHLAND DISTRIBUTION SERVICES
Federal Waste Generator Code: 3
Generator Code Description: Very Small Quantity Generator
Source Type: Implementer

Waste Code Details

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Handler Details

Sequence No: 5
Receive Date: 20060816
Handler Name: ASHLAND INC DISTRIBUTION SERVICES
Federal Waste Generator Code: 3
Generator Code Description: Very Small Quantity Generator
Source Type: Implementer

Waste Code Details

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 20070219
Handler Name: ASHLAND, INC.
Federal Waste Generator Code: 3
Generator Code Description: Very Small Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: D040
Waste Code Description: TRICHLORETHYLENE

Hazardous Waste Code: F002
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL

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BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 4
Receive Date: 20090116
Handler Name: ASHLAND INC
Federal Waste Generator Code: 3
Generator Code Description: Very Small Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D018
Waste Code Description: BENZENE

Hazardous Waste Code: D040
Waste Code Description: TRICHLORETHYLENE

Hazardous Waste Code: F002
Waste Code Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Code: F003
Waste Code Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Hazardous Waste Handler Details

Sequence No: 6
Receive Date: 20091001
Handler Name: ASHLAND INC DISTRIBUTION COMPANY
Federal Waste Generator Code: 3
Generator Code Description: Very Small Quantity Generator
Source Type: Implementer

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D002

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Waste Code Description: CORROSIVE WASTE

Hazardous Waste Code: D003
Waste Code Description: REACTIVE WASTE

Hazardous Waste Code: D007
Waste Code Description: CHROMIUM

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Handler Details

Sequence No: 5
Receive Date: 20100223
Handler Name: ASHLAND INC
Federal Waste Generator Code: 3
Generator Code Description: Very Small Quantity Generator
Source Type: Annual/Biennial Report update with Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Handler Details

Sequence No: 3
Receive Date: 20110228
Handler Name: NEXEO SOLUTIONS LLC - COLUMBUS
Federal Waste Generator Code: 2
Generator Code Description: Small Quantity Generator
Source Type: Notification

Waste Code Details

Hazardous Waste Code: D001
Waste Code Description: IGNITABLE WASTE

Hazardous Waste Code: D035
Waste Code Description: METHYL ETHYL KETONE

Hazardous Waste Handler Details

Sequence No: 7
Receive Date: 20181129
Handler Name: NEXEO SOLUTIONS LLC - COLUMBUS
Federal Waste Generator Code: 3
Generator Code Description: Very Small Quantity Generator
Source Type: Implementer

Hazardous Waste Handler Details

Sequence No: 4
Receive Date: 20200702
Handler Name: UNIVAR SOLUTIONS USA INC
Federal Waste Generator Code: 3
Generator Code Description: Very Small Quantity Generator
Source Type: Notification

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Waste Code Details

Hazardous Waste Code: D002
Waste Code Description: CORROSIVE WASTE

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20201010
Handler Name: UNIVAR SOLUTIONS USA INC COLUMBUS
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified
Source Type: Deactivation

Hazardous Waste Handler Details

Sequence No: 8
Receive Date: 20220404
Handler Name: UNIVAR SOLUTIONS USA INC COLUMBUS
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified
Source Type: Implementer

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Private
Name: ASHLAND INC
Date Became Current:
Date Ended Current:
Phone:
Source Type: Implementer
Street No:
Street 1: 100 ASHLAND DR
Street 2:
City: RUSSELL
State: KY
Country: US
Zip Code: 41169

Owner/Operator Ind: Current Owner
Type: Private
Name: NEXEO SOLUTIONS LLC
Date Became Current: 20110331
Date Ended Current:
Phone: 614-790-4277
Source Type: Implementer
Street No:
Street 1: 5200 BLAZER PKWY
Street 2:
City: DUBLIN
State: OH
Country: US
Zip Code: 43017

Owner/Operator Ind: Current Operator
Type: Private
Name: ASHLAND, INC.
Date Became Current: 20000101
Date Ended Current:
Phone:
Source Type: Annual/Biennial Report update with Notification
Street No:
Street 1: 3849 FISHER ROAD
Street 2:
City: COLUMBUS
State: OH
Country: US
Zip Code: 43228

Owner/Operator Ind: Current Operator
Type: Private
Name: ASHLAND INC
Date Became Current: 19000101
Date Ended Current:
Phone:
Source Type: Implementer
Street No:
Street 1: 100 ASHLAND DR
Street 2:
City: RUSSELL
State: KY
Country: US
Zip Code: 41169

Owner/Operator Ind: Current Operator
Type: Private
Name: ASHLAND INC DISTRIBUTION COMPANY
Date Became Current: 20000101
Date Ended Current:
Phone: 614-539-4050
Street No:
Street 1: 3849 FISHER RD
Street 2:
City: COLUMBUS
State: OH
Country: US

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Source Type:	Implementer	**Zip Code:**	43226
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	5200 BLAZER PKWY
Name:	NEXEO SOLUTIONS LLC	**Street 2:**	
Date Became Current:	20110331	**City:**	DUBLIN
Date Ended Current:		**State:**	OH
Phone:	614-790-4277	**Country:**	US
Source Type:	Implementer	**Zip Code:**	43017
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	3 WATERWAY SQUARE PLACE
Name:	3 UNIVAR SOLUTIONS USA INC	**Street 2:**	STE 1000
Date Became Current:	20190901	**City:**	THE WOODLANDS
Date Ended Current:		**State:**	TX
Phone:	281-291-0700	**Country:**	US
Source Type:	Notification	**Zip Code:**	77380
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	PO BOX 391
Name:	ASHLAND OIL & REFINING CO	**Street 2:**	
Date Became Current:	19810310	**City:**	COVINGTON
Date Ended Current:		**State:**	KY
Phone:		**Country:**	US
Source Type:	Implementer	**Zip Code:**	41012
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	3849 FISHER RD
Name:	UNIVAR SOLUTIONS USA INC COLUMBUS	**Street 2:**	
Date Became Current:	20190901	**City:**	COLUMBUS
Date Ended Current:		**State:**	OH
Phone:	346-268-3996	**Country:**	US
Source Type:	Implementer	**Zip Code:**	43228
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	5200 BLAZER PKWY DS-4
Name:	NEXEO SOLUTIONS LLC	**Street 2:**	
Date Became Current:	20110331	**City:**	DUBLIN
Date Ended Current:		**State:**	OH
Phone:	614-790-4277	**Country:**	US
Source Type:	Notification	**Zip Code:**	43017
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	5200 BLAZER PKWY DS-4
Name:	NEXEO SOLUTIONS LLC	**Street 2:**	
Date Became Current:	20110331	**City:**	DUBLIN
Date Ended Current:		**State:**	OH
Phone:	614-790-4277	**Country:**	US
Source Type:	Notification	**Zip Code:**	43017
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	3075 HIGHLAND PARKWAY
Name:	UNIVAR SOLUTIONS USA INC	**Street 2:**	STE 200
Date Became Current:	20190901	**City:**	DOWNERS GROVE
Date Ended Current:		**State:**	IL
Phone:	331-777-6000	**Country:**	US
Source Type:	Notification	**Zip Code:**	60515
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	PO BOX 2219
Name:	ASHLAND INC	**Street 2:**	
Date Became Current:	19780101	**City:**	COLUMBUS
Date Ended Current:		**State:**	OH
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	43216
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	3849 FISHER ROAD
Name:	ASHLAND, INC.	**Street 2:**	

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Date Became Current:	20000101	**City:**	COLUMBUS
Date Ended Current:		**State:**	OH
Phone:	614-276-6144	**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	43228
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	3075 HIGHLAND PARKWAY
Name:	UNIVAR SOLUTIONS USA INC	**Street 2:**	STE 200
Date Became Current:	20190901	**City:**	DOWNERS GROVE
Date Ended Current:		**State:**	IL
Phone:	614-309-8728	**Country:**	US
Source Type:	Deactivation	**Zip Code:**	60515
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	100 ASHLAND DR
Name:	ASHLAND INC	**Street 2:**	
Date Became Current:	19000101	**City:**	RUSSELL
Date Ended Current:		**State:**	KY
Phone:		**Country:**	US
Source Type:	Implementer	**Zip Code:**	41169
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	3075 HIGHLAND PKWY STE 200
Name:	UNIVAR SOLUTIONS USA INC	**Street 2:**	
Date Became Current:	20190901	**City:**	DOWNERS GROVE
Date Ended Current:		**State:**	IL
Phone:	614-309-8728	**Country:**	US
Source Type:	Implementer	**Zip Code:**	60515
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	PO BOX 28125
Name:	ASHLAND INC	**Street 2:**	
Date Became Current:		**City:**	COLUMBUS
Date Ended Current:		**State:**	OH
Phone:	614-276-6143	**Country:**	
Source Type:	Notification	**Zip Code:**	43228
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	PO BOX 2219
Name:	ASHLAND INC	**Street 2:**	
Date Became Current:	19780101	**City:**	COLUMBUS
Date Ended Current:		**State:**	OH
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	43216
Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	3849 FISHER ROAD
Name:	ASHLAND, INC.	**Street 2:**	
Date Became Current:	19780101	**City:**	COLUMBUS
Date Ended Current:		**State:**	OH
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	43228
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	PO BOX 2219
Name:	ASHLAND INC	**Street 2:**	
Date Became Current:	19780101	**City:**	COLUMBUS
Date Ended Current:		**State:**	OH
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	43216
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	50 E RIVER CENTER BLVD
Name:	ASHLAND, INC.	**Street 2:**	
Date Became Current:	19780101	**City:**	COVINGTON
Date Ended Current:		**State:**	KY
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	41012

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	50 E RIVER CENTER BLVD
Name:	ASHLAND, INC.	**Street 2:**	P.O. BOX 391
Date Became Current:	20000101	**City:**	COVINGTON
Date Ended Current:		**State:**	KY
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	41012

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	3849 FISHER RD
Name:	UNIVAR SOLUTIONS USA INC COLUMBUS	**Street 2:**	
Date Became Current:	20190901	**City:**	COLUMBUS
Date Ended Current:		**State:**	OH
Phone:	346-268-3996	**Country:**	US
Source Type:	Deactivation	**Zip Code:**	43228

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	PO BOX 2219
Name:	ASHLAND INC	**Street 2:**	
Date Became Current:	19780101	**City:**	COLUMBUS
Date Ended Current:		**State:**	OH
Phone:		**Country:**	US
Source Type:	Annual/Biennial Report	**Zip Code:**	43216

Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Private	**Street 1:**	50 E RIVER CENTER BLVD
Name:	ASHLAND, INC.	**Street 2:**	P.O. BOX 391
Date Became Current:	20000101	**City:**	COVINGTON
Date Ended Current:		**State:**	KY
Phone:	859-815-3333	**Country:**	US
Source Type:	Annual/Biennial Report update with Notification	**Zip Code:**	41012

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Private	**Street 1:**	PO BOX 28125
Name:	ASHLAND CHEMICAL CO	**Street 2:**	
Date Became Current:		**City:**	CITY NOT REPORTED
Date Ended Current:		**State:**	OH
Phone:	614-276-6143	**Country:**	
Source Type:	Part A	**Zip Code:**	99998

Historical Handler Details

Receive Dt:	20201010
Generator Code Description:	Not a Generator, Verified
Handler Name:	UNIVAR SOLUTIONS USA INC COLUMBUS

Receive Dt:	20200702
Generator Code Description:	Very Small Quantity Generator
Handler Name:	UNIVAR SOLUTIONS USA INC

Receive Dt:	20181129
Generator Code Description:	Very Small Quantity Generator
Handler Name:	NEXEO SOLUTIONS LLC - COLUMBUS

Receive Dt:	20110228
Generator Code Description:	Small Quantity Generator
Handler Name:	NEXEO SOLUTIONS LLC - COLUMBUS

Receive Dt:	20100223
Generator Code Description:	Very Small Quantity Generator
Handler Name:	ASHLAND INC

Receive Dt:	20091001
Generator Code Description:	Very Small Quantity Generator
Handler Name:	ASHLAND INC DISTRIBUTION COMPANY

Receive Dt:	20090116
Generator Code Description:	Very Small Quantity Generator

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Handler Name: ASHLAND INC

Receive Dt: 20070219
Generator Code Description: Very Small Quantity Generator
Handler Name: ASHLAND, INC.

Receive Dt: 20060816
Generator Code Description: Very Small Quantity Generator
Handler Name: ASHLAND INC DISTRIBUTION SERVICES

Receive Dt: 20050928
Generator Code Description: Very Small Quantity Generator
Handler Name: ASHLAND DISTRIBUTION SERVICES

Receive Dt: 20050127
Generator Code Description: Very Small Quantity Generator
Handler Name: ASHLAND DISTRIBUTION COMPANY

Receive Dt: 20040915
Generator Code Description: Very Small Quantity Generator
Handler Name: ASHLAND DISTRIBUTION SERVICES

Receive Dt: 20040211
Generator Code Description: Small Quantity Generator
Handler Name: ASHLAND DISTRIBUTION CO

Receive Dt: 20030212
Generator Code Description: Small Quantity Generator
Handler Name: ASHLAND DISTRIBUTION COMPANY

Receive Dt: 20020221
Generator Code Description: Small Quantity Generator
Handler Name: ASHLAND CHEMICAL COMPANY

Receive Dt: 20011231
Generator Code Description: Small Quantity Generator
Handler Name: ASHLAND DIST CO - A DIV OF ASHLAND INC

Receive Dt: 20000214
Generator Code Description: Large Quantity Generator
Handler Name: ASHLAND CHEMICAL COMPANY

Receive Dt: 19980209
Generator Code Description: Large Quantity Generator
Handler Name: ASHLAND CHEMICAL COMPANY

Receive Dt: 19950913
Generator Code Description: Large Quantity Generator
Handler Name: ASHLAND DIST CO - A DIV OF ASHLAND INC

Receive Dt: 19941220
Generator Code Description: Large Quantity Generator
Handler Name: ASHLAND DIST CO - A DIV OF ASHLAND INC

Receive Dt: 19940210
Generator Code Description: Large Quantity Generator
Handler Name: ASHLAND DIST CO - A DIV OF ASHLAND INC

Receive Dt: 19920217
Generator Code Description: Large Quantity Generator
Handler Name: ASHLAND CHEMICAL, INC

Receive Dt: 19900212
Generator Code Description: Large Quantity Generator
Handler Name: ASHLAND CHEMICAL INC

Receive Dt: 19801121
Generator Code Description: Not a Generator, Verified
Handler Name: ASHLAND DIST CO - A DIV OF ASHLAND INC

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
12	2 of2	SSW	0.79 / 4,174.95	842.06 / 11	Ashland Chemical Co, Columbus 3849 Fisher Rd Columbus OH 43228	DERR

DERR ID (Map):	125001248	**DERR ID:**	125001248
CERCLIS ID (Map):	OHD000816736	**CERCLIS ID:**	OHD000816736
Activity (Map):	SA - Site Assessment	**Activity:**	SA - Site Assessment
Name (Map):	Ashland Chemical Co, Columbus	**Name:**	Ashland Chemical Co, Columbus
Address (Map):	3849 Fisher Rd	**Address:**	3849 Fisher Rd
City (Map):	Columbus	**City:**	Columbus
Zip (Map):	43228	**Postal Code:**	43228
County (Map):	Franklin	**County:**	Franklin
Latitude (Map):	39.96611111	**Latitude:**	39.96611111
Longitude (Map):	-83.10222222	**Longitude:**	-83.10222222
OEPA Distrt (Map):	CDO	**District:**	CDO
ODOT Distrt (Map):	6		
Data Source:	Ohio EPA: DERR Database; Map Services Directory: DERR Database (OEPA-DERR) (Map)		

Map Services Directory: DERR Database (OEPA-DERR)

Latitude:	39.96611111	**X:**	-83.10221798985303
Longitude:	-83.10222222	**Y:**	39.96610336950266
Alias:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
13	1 of1	SSW	0.80 / 4,243.30	840.76 / 9	Marathon Ashland Petro Columbus Asphalt Terminal 3737 Fisher Rd 3737 Fisher Rd Columbus OH 43228-	DERR

DERR ID (Map):	125002408	**DERR ID:**	125002408
CERCLIS ID (Map):		**CERCLIS ID:**	
Activity (Map):	ER - Emergency Response	**Activity:**	ER - Emergency Response
Name (Map):	Marathon Ashland Petro Columbus Asphalt Terminal 3737 Fisher Rd	**Name:**	Marathon Ashland Petro Columbus Asphalt Terminal 3737 Fisher Rd
Address (Map):	3737 Fisher Rd	**Address:**	3737 Fisher Rd
City (Map):	Columbus	**City:**	Columbus
Zip (Map):	43228-	**Postal Code:**	43228-
County (Map):	Franklin	**County:**	Franklin
Latitude (Map):	39.9661827	**Latitude:**	
Longitude (Map):	-83.1010437	**Longitude:**	
OEPA Distrt (Map):	CDO	**District:**	CDO
ODOT Distrt (Map):	6		
Data Source:	Ohio EPA: DERR Database; Map Services Directory: DERR Database (OEPA-DERR) (Map)		

Map Services Directory: DERR Database (OEPA-DERR)

Latitude:	39.9661827	**X:**	-83.10103947061873
Longitude:	-83.1010437	**Y:**	39.966174959363286
Alias:			

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
14	1 of1	SSW	0.81 / 4,279.35	840.03 / 9	Shell Oil Co, Columbus, 3651 Fisher Rd 3651 Fisher Rd Columbus OH 43204	DERR

DERR ID (Map):	125001179	**DERR ID:**	125001179
CERCLIS ID (Map):		**CERCLIS ID:**	
Activity (Map):	SA - Site Assessment	**Activity:**	SA - Site Assessment
Name (Map):	Shell Oil Co, Columbus, 3651 Fisher Rd	**Name:**	Shell Oil Co, Columbus, 3651 Fisher Rd
Address (Map):	3651 Fisher Rd	**Address:**	3651 Fisher Rd
City (Map):	Columbus	**City:**	Columbus
Zip (Map):	43204	**Postal Code:**	43204

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

County (Map):	Franklin	**County:**	Franklin
Latitude (Map):	39.96611111	**Latitude:**	39.96611111
Longitude (Map):	-83.10194444	**Longitude:**	-83.10194444
OEPA Distrt (Map):	CDO	**District:**	CDO
ODOT Distrt (Map):	6		
Data Source:	Ohio EPA: DERR Database; Map Services Directory: DERR Database (OEPA-DERR) (Map)		

Map Services Directory: DERR Database (OEPA-DERR)

Latitude:	39.96611111	**X:**	-83.10194021018971
Longitude:	-83.10194444	**Y:**	39.96610336948976
Alias:			

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15 | ***1 of1*** | ***SW*** | ***0.87 / 4,591.67*** | ***862.18 / 31*** | ***Marathon Ashland Petroleum Columbus W Terminal, 4125 Fisher Rd***
4125 Fisher Rd
Columbus OH 43228- | ***DERR***

DERR ID (Map):	125002409	**DERR ID:**	125002409
CERCLIS ID (Map):		**CERCLIS ID:**	
Activity (Map):	ER - Emergency Response	**Activity:**	ER - Emergency Response
Name (Map):	Marathon Ashland Petroleum Columbus W Terminal, 4125 Fisher Rd	**Name:**	Marathon Ashland Petroleum Columbus W Terminal, 4125 Fisher Rd
Address (Map):	4125 Fisher Rd	**Address:**	4125 Fisher Rd
City (Map):	Columbus	**City:**	Columbus
Zip (Map):	43228-	**Postal Code:**	43228-
County (Map):	Franklin	**County:**	Franklin
Latitude (Map):	39.9677162	**Latitude:**	
Longitude (Map):	-83.1100464	**Longitude:**	
OEPA Distrt (Map):	CDO	**District:**	CDO
ODOT Distrt (Map):	6		
Data Source:	Ohio EPA: DERR Database; Map Services Directory: DERR Database (OEPA-DERR) (Map)		

Map Services Directory: DERR Database (OEPA-DERR)

Latitude:	39.9677162	**X:**	-83.1100421679649
Longitude:	-83.1100464	**Y:**	39.967708459716384
Alias:			

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16 | ***1 of1*** | ***NE*** | ***0.95 / 5,008.99*** | ***794.26 / -37*** | ***Ohio Waste Oil Co Inc, Columbus***
3237 McKinley Ave
Columbus OH 43204 | ***DERR***

DERR ID (Map):	125000603	**DERR ID:**	125000603
CERCLIS ID (Map):	OHD079422424	**CERCLIS ID:**	OHD079422424
Activity (Map):	SA - Site Assessment	**Activity:**	SA - Site Assessment
Name (Map):	Ohio Waste Oil Co Inc, Columbus	**Name:**	Ohio Waste Oil Co Inc, Columbus
Address (Map):	3237 McKinley Ave	**Address:**	3237 McKinley Ave
City (Map):	Columbus	**City:**	Columbus
Zip (Map):	43204	**Postal Code:**	43204
County (Map):	Franklin	**County:**	Franklin
Latitude (Map):	39.99444444	**Latitude:**	39.99444444
Longitude (Map):	-83.08583333	**Longitude:**	-83.08583333
OEPA Distrt (Map):	CDO	**District:**	CDO
ODOT Distrt (Map):	6		
Data Source:	Ohio EPA: DERR Database; Map Services Directory: DERR Database (OEPA-DERR) (Map)		

Map Services Directory: DERR Database (OEPA-DERR)

Latitude:	39.99444444	**X:**	-83.08582910247914
Longitude:	-83.08583333	**Y:**	39.994436693622625
Alias:			

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Unplottable Summary

Total: 3 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
SPILLS		TWIN CREEKS LIFT STATION	FRANKLIN OH		813154780
SPILLS		GLADSTONE OFF OF BRICHAR WAY AT DEAD END	FRANKLIN TWP OH		813161146
SPILLS		PARKING LOT OFF OF WILSON WOODS DR	COLUMBUS OH		813132505

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Unplottable Report

Site:

TWIN CREEKS LIFT STATION FRANKLIN OH

SPILLS

Case No/Spill ID:		***County (Ohio):***	
Spill No:		***Latitude (Ohio):***	
4 Digit No:	5916	***Longitude (Ohio):***	
Reported On:	12/30/1990 00:00:00	***City Twn (Prod):***	
Spill Year:	1990	***OEPA Dist (Prod):***	
Spill Month:	12	***County No (Prod):***	
Spill Month No:		***County (Prod):***	
Spill DOM:		***Latitude (Prod):***	
Spill DOY:		***Longitude (Prod):***	
Spiller Report:		***OEPA Dist (Hist):***	
Phone Followup:	NO	***County (Hist):***	
District:	SW	***Latitude (Hist):***	
County:	83	***Longitude (Hist):***	
Latitude:		***OEPA Dist (Rel 2):***	
Longitude:		***County (Rel 2):***	
City Twn (EPA):		***Latitude (Rel 2):***	
OEPA Dist (EPA):		***Longitude (Rel 2):***	
County (EPA):		***OEPA Dist (Rel):***	
Latitude (EPA):		***County (Rel):***	
Longitude (EPA):		***Latitude (Rel):***	
OEPA Dist (Ohio):		***Longitude (Rel):***	
County No (Ohio):			
IIR Name:			
Affiliation:			
Location:	TWIN CREEKS LIFT STATION		
City Twp:	FRANKLIN		
Zip Code:			
Spill Location (Ohio):			
City Twn (Ohio):			
Zip Code (Ohio):			
Spill Location (Hist):			
City Twn (Hist):			
Location (Rel):			
City Twn (Rel):			
City Twn (Rel 2):			
Data Source:			

Historical Release Details

Product Name:	SEWAGE
Media Affected:	
Acutal Amount:	
Unit of Measure:	
Entity:	ENVIRONTECH OPERATING SERVICE
Reported By:	COMPANY
Spill Month:	12
Spill Year:	1990

Site:

GLADSTONE OFF OF BRICHAR WAY AT DEAD END FRANKLIN TWP OH

SPILLS

Case No/Spill ID:		***County (Ohio):***	
Spill No:		***Latitude (Ohio):***	
4 Digit No:	2017	***Longitude (Ohio):***	
Reported On:	5/21/2002 09:26:52	***City Twn (Prod):***	
Spill Year:	2002	***OEPA Dist (Prod):***	
Spill Month:	5	***County No (Prod):***	

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Spill Month No:		***County (Prod):***	
Spill DOM:		***Latitude (Prod):***	
Spill DOY:		***Longitude (Prod):***	
Spiller Report:		***OEPA Dist (Hist):***	
Phone Followup:	NO	***County (Hist):***	
District:	CD	***Latitude (Hist):***	
County:	25	***Longitude (Hist):***	
Latitude:		***OEPA Dist (Rel 2):***	
Longitude:		***County (Rel 2):***	
City Twn (EPA):		***Latitude (Rel 2):***	
OEPA Dist (EPA):		***Longitude (Rel 2):***	
County (EPA):		***OEPA Dist (Rel):***	
Latitude (EPA):		***County (Rel):***	
Longitude (EPA):		***Latitude (Rel):***	
OEPA Dist (Ohio):		***Longitude (Rel):***	
County No (Ohio):			
IIR Name:			
Affiliation:			
Location:	GLADSTONE OFF OF BRICHAR WAY AT DEAD END		
City Twp:	FRANKLIN TWP		
Zip Code:			
Spill Location (Ohio):			
City Twn (Ohio):			
Zip Code (Ohio):			
Spill Location (Hist):			
City Twn (Hist):			
Location (Rel):			
City Twn (Rel):			
City Twn (Rel 2):			
Data Source:			

Historical Release Details

Product Name:	UNK
Media Affected:	
Acutal Amount:	
Unit of Measure:	
Entity:	UST ENVIRONMENTAL
Reported By:	ANONYMOUS
Spill Month:	5
Spill Year:	2002

Site:

PARKING LOT OFF OF WILSON WOODS DR COLUMBUS OH

SPILLS

Case No/Spill ID:		***County (Ohio):***	
Spill No:		***Latitude (Ohio):***	
4 Digit No:	1582	***Longitude (Ohio):***	
Reported On:	4/20/1996 00:00:00	***City Twn (Prod):***	
Spill Year:	1996	***OEPA Dist (Prod):***	
Spill Month:	4	***County No (Prod):***	
Spill Month No:		***County (Prod):***	
Spill DOM:		***Latitude (Prod):***	
Spill DOY:		***Longitude (Prod):***	
Spiller Report:		***OEPA Dist (Hist):***	
Phone Followup:	NO	***County (Hist):***	
District:	CD	***Latitude (Hist):***	
County:	25	***Longitude (Hist):***	
Latitude:	395852.6	***OEPA Dist (Rel 2):***	
Longitude:	830604.0	***County (Rel 2):***	
City Twn (EPA):		***Latitude (Rel 2):***	
OEPA Dist (EPA):		***Longitude (Rel 2):***	
County (EPA):		***OEPA Dist (Rel):***	
Latitude (EPA):		***County (Rel):***	
Longitude (EPA):		***Latitude (Rel):***	
OEPA Dist (Ohio):		***Longitude (Rel):***	
County No (Ohio):			
IIR Name:			
Affiliation:			

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Location:	PARKING LOT OFF OF WILSON WOODS DR
City Twp:	COLUMBUS
Zip Code:	
Spill Location (Ohio):	
City Twn (Ohio):	
Zip Code (Ohio):	
Spill Location (Hist):	
City Twn (Hist):	
Location (Rel):	
City Twn (Rel):	
City Twn (Rel 2):	
Data Source:	

Historical Release Details

Product Name:	DIESEL FUEL
Media Affected:	
Acutal Amount:	
Unit of Measure:	
Entity:	BURNHAM SERVICE CORP
Reported By:	ROBERT SPRADLIN
Spill Month:	4
Spill Year:	1996

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13 and E1527-21, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

National Priority List: NPL

Sites on the United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Oct 26, 2023

National Priority List - Proposed: PROPOSED NPL

Sites proposed by the United States Environmental Protection Agency (EPA), the state agency, or concerned citizens for addition to the National Priorities List (NPL) due to contamination by hazardous waste and identified by the EPA as a candidate for cleanup because it poses a risk to human health and/or the environment. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Oct 26, 2023

Deleted NPL: DELETED NPL

Sites deleted from the United States Environmental Protection Agency (EPA)'s National Priorities List. The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate. Sites are represented by boundaries where available in the EPA Superfund Site Boundaries maintained by the Shared Enterprise Geodata and Services (SEGS). Site boundaries represent the footprint of a whole site, the sum of all of the Operable Units and the current understanding of the full extent of contamination; for Federal Facility sites, the total site polygon may be the Facility boundary. Where there is no polygon boundary data available for a given site, the site is represented as a point.

Government Publication Date: Oct 26, 2023

SEMS List 8R Active Site Inventory: SEMS

The U.S. Environmental Protection Agency's (EPA) Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted. This data includes SEMS sites from the List 8R Active file as well as applicable sites from the SEMS GIS/REST file layer obtained from EPA's Facility Registry Service.

Government Publication Date: Sep 19, 2023

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

SEMS List 8R Archive Sites: SEMS ARCHIVE

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. This data includes sites from the List 8R Archived site file.

Government Publication Date: Sep 19, 2023

Inventory of Open Dumps, June 1985: ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

EPA Report on the Status of Open Dumps on Indian Lands: IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS: CERCLIS

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

CERCLIS - No Further Remedial Action Planned: CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens: CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA). This database was provided by the United States Environmental Protection Agency (EPA). Refer to SEMS LIEN as the current data source for Superfund Liens.

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action: RCRA CORRACTS

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Oct 2, 2023

RCRA non-CORRACTS TSD Facilities: RCRA TSD

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes Non-Corrective Action sites that have indicated engagement in the treatment, storage, or disposal of hazardous waste which requires a RCRA hazardous waste permit.

Government Publication Date: Oct 2, 2023

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

RCRA Generator List: RCRA LQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: Oct 2, 2023

RCRA Small Quantity Generators List: RCRA SQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: Oct 2, 2023

RCRA Very Small Quantity Generators List: RCRA VSQG

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

Government Publication Date: Oct 2, 2023

RCRA Non-Generators: RCRA NON GEN

RCRA Info is the U.S. Environmental Protection Agency's (EPA) comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Oct 2, 2023

RCRA Sites with Controls: RCRA CONTROLS

List of Resource Conservation and Recovery Act (RCRA) facilities with institutional controls in place. RCRA gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances.

Government Publication Date: Oct 2, 2023

Federal Engineering Controls-ECs: FED ENG

This list of Engineering controls (ECs) is provided by the United States Environmental Protection Agency (EPA). ECs encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. The EC listing includes remedy component data from Superfund decision documents issued in fiscal years 1982-2021 for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

Government Publication Date: Oct 26, 2023

Federal Institutional Controls- ICs: FED INST

This list of Institutional controls (ICs) is provided by the United States Environmental Protection Agency (EPA). ICs are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site. The IC listing includes remedy component data from Superfund decision documents issued in fiscal years 1982-2021 for applicable sites on the final or deleted on the National Priorities List (NPL); and sites with a Superfund Alternative Approach (SAA) Agreement in place. The only sites included that are not on the NPL; proposed for NPL; or removed from proposed NPL, are those with an SAA Agreement in place.

Government Publication Date: Oct 26, 2023

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Land Use Control Information System: LUCIS

The LUCIS database is maintained by the U.S. Department of the Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

Government Publication Date: Sep 1, 2006

Institutional Control Boundaries at NPL sites: NPL IC

Boundaries of Institutional Control areas at sites on the United States Environmental Protection Agency (EPA)'s National Priorities List, or Proposed or Deleted, made available by the EPA's Shared Enterprise Geodata and Services (SEGS). United States Environmental Protection Agency (EPA)'s National Priorities List of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. Institutional controls are non-engineered instruments such as administrative and legal controls that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy.

Government Publication Date: Oct 26, 2023

Emergency Response Notification System: ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System: ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System: ERNS

Database of oil and hazardous substances spill reports made available by the United States Coast Guard National Response Center (NRC). The NRC fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. These data contain initial incident data that has not been validated or investigated by a federal/state response agency.

Government Publication Date: Aug 12, 2023

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database: FED BROWNFIELDS

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This data is provided by the United States Environmental Protection Agency (EPA) and includes Brownfield sites from the Cleanups in My Community (CIMC) web application.

Government Publication Date: Mar 13, 2023

FEMA Underground Storage Tank Listing: FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

Facility Response Plan: FRP

This listing contains facilities that have submitted Facility Response Plans (FRPs) to the U.S. Environmental Protection Agency (EPA). Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit FRPs. Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments. This listing includes FRP facilities from an applicable EPA FOIA file and Homeland Infrastructure Foundation-Level Data (HIFLD) data file.

Government Publication Date: May 2, 2023

Delisted Facility Response Plans: DELISTED FRP

Facilities that once appeared in - and have since been removed from - the list of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

Government Publication Date: May 2, 2023

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Historical Gas Stations: HIST GAS STATIONS

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

Government Publication Date: Jul 1, 1930

Petroleum Refineries: REFN

List of petroleum refineries from the U.S. Energy Information Administration (EIA) Refinery Capacity Report. Includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U.S. possessions. Survey locations adjusted using public data.

Government Publication Date: Sep 20, 2023

Petroleum Product and Crude Oil Rail Terminals: BULK TERMINAL

A list of petroleum product and crude oil rail terminals from the U.S. Energy Information Administration (EIA), as well as petroleum terminals sourced from the Federal Communications Commission Data hosted by the Homeland Infrastructure Foundation-Level Database. Data includes operable bulk petroleum product terminals with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil with activity between 2017 and 2018. EIA petroleum product terminal data comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings.

Government Publication Date: Sep 22, 2023

LIEN on Property: SEMS LIEN

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System (SEMS) provides Lien details on applicable properties, such as the Superfund lien on property activity, the lien property information, and the parties associated with the lien.

Government Publication Date: Sep 19, 2023

Superfund Decision Documents: SUPERFUND ROD

This database contains a list of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include completed Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD) for active and archived sites stored in the Superfund Enterprise Management System (SEMS), along with other associated memos and files. This information is maintained and made available by the U.S. Environmental Protection Agency.

Government Publication Date: Dec 26, 2023

Formerly Utilized Sites Remedial Action Program: DOE FUSRAP

The U.S. Department of Energy (DOE) established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from the Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations. The DOE Office of Legacy Management (LM) established long-term surveillance and maintenance (LTS&M) requirements for remediated FUSRAP sites. DOE evaluates the final site conditions of a remediated site on the basis of risk for different future uses. DOE then confirms that LTS&M requirements will maintain protectiveness.

Government Publication Date: Mar 4, 2017

State

Division of Environmental Response & Revitalization Database: DERR

The Ohio Environmental Protection Agency's (Ohio EPA) Division of Environmental Response and Revitalization (DERR) database is an index of sites maintained by their district offices. The database contains basic site information only and is NOT a record of contaminated sites in Ohio. Not all sites are contaminated, and a site's absence does not imply that it is uncontaminated. The database is also not a list of Brownfield sites; some sites do not meet the federal or state definitions of Brownfields and many properties in Ohio that may qualify as Brownfields are not included.

Government Publication Date: Oct 19, 2023

Delisted Division of Environmental Response & Revitalization: DELISTED DERR

List of sites which were once included but have since been removed from the Ohio Environmental Protection Agency (Ohio EPA) Division of Environmental Response & Revitalization (DERR) database; an index of sites for which district offices maintain files. DERR is NOT a record of contaminated sites or sites suspected of contamination; not all sites in the database are contaminated, and a site's absence from the database does not imply that it is uncontaminated.

Government Publication Date: Oct 19, 2023

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Ohio Licensed Solid Waste Facilities, Landfills and other Waste Facilities: SWF/LF

List of landfill and solid waste facilities of various types as maintained by the Division of Materials and Waste Management of the Ohio Environmental Protection Agency (Ohio EPA), including: municipal solid waste facilities, municipal solid waste transfer stations, construction and demolition landfills, compost class 1,2,3 and 4 facilities, industrial and residual waste landfills, and scrap tire disposal and recycling facilities. Includes active and inactive facilities.

Government Publication Date: Jun 22, 2022

Ohio Old Solid Waste Landfill (OLDSWLF): HIST LF

A list of about 1200 old abandoned dumps or landfills. This database was developed from Ohio EPA staff notebooks and other information dating from the mid-1970's, including old Division of Solid and Hazardous Waste Management and DERR files, the Eckhardt Report and the 1976 Groundwater Pollution Inventory-Summary of Land Disposal.

Government Publication Date: Historic

Ohio Leaking Underground Storage Tanks (LUST): LUST

List of facilities with active and inactive environmental files, and active and inactive tank facilities with releases, made available by the Ohio Department of Commerce, Division of the State Fire Marshall under the Bureau of Underground Storage Tank Regulations (BUSTR). BUSTR's mission is to effectively regulate the safe operation of underground storage tanks and to ensure appropriate investigation and cleanup of releases from underground storage tanks for the purpose of protecting human health and the environment for the citizens of Ohio.

Government Publication Date: Nov 3, 2023

Delisted Petroleum Release List: DELISTED LST

List of petroleum release incidents sites that have been removed from either: the list of facilities with active release from regulated tanks, or the Non-Regulated Leaking Underground Storage Tanks (LUST) list, both made available by the Bureau of Underground Storage Tank Regulations in the Ohio Department of Commerce.

Government Publication Date: Nov 3, 2023

Regulated and Non-Regulated Leaking Underground Storage Tanks (LUST): LST

List of sites where there has been a suspected or confirmed release of petroleum from a regulated or non-regulated underground storage tank (UST). This list has been made available by the Bureau of Underground Storage Tank Regulations in the Ohio Department of Commerce.

Government Publication Date: Nov 3, 2023

Ohio Registered Underground Storage Tanks (UST): UST

List of Active and Inactive Registered Underground Storage Tanks regulated by the Ohio Department of Commerce, Division of the State Fire Marshall under the Bureau of Underground Storage Tank Regulations (BUSTR). BUSTR's mission is to effectively regulate the safe operation of underground storage tanks and to ensure appropriate investigation and cleanup of releases from underground storage tanks for the purpose of protecting human health and the environment for the citizens of Ohio.

Government Publication Date: Nov 3, 2023

Aboveground and Unregulated Tanks: TANKS

A list of tanks in Ohio known to the Division of the State Fire Marshal - Code Enforcement Bureau.
Note: Aboveground Storage Tanks in Ohio are regulated by local fire departments. This list of tanks known to the State Fire Marshall should not be considered a comprehensive list of aboveground or unregulated tanks in Ohio.

Government Publication Date: Aug 22, 2022

Aboveground and Unregulated Tanks (since 2022): TANKS 2

A list of tanks in Ohio known to the Ohio Division of the State Fire Marshal - Code Enforcement Bureau. Note this listing only includes data posted after July 2022.
Note: Aboveground Storage Tanks in Ohio are regulated by local fire departments. This list of tanks known to the State Fire Marshall should not be considered a comprehensive list of aboveground or unregulated tanks in Ohio.

Government Publication Date: Sep 29, 2023

Delisted Storage Tanks: DTNK

A list of sites which once appeared on and have since been removed from either: the list of active or inactive tank sites made available by the State Fire Marshall Bureau of Underground Storage Tanks (BUSTR); or the Ohio Tank Tracking and Environmental Regulations search (BUSTR Public Inquiry page).

Government Publication Date: Nov 3, 2023

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Engineering Controls: ENG

This list of sites with implemented engineering controls is maintained by the Ohio Environmental Protection Agency's (Ohio EPA) Division of Environmental Response and Revitalization (DERR). The site listing is sourced from the DERR List of Projects with Engineering Controls which includes applicable projects under the Voluntary Action Program (VAP) and the Remedial Response Program (RR). This data also includes sites from the applicable DERR map layer from the Ohio Department of Transportation's (ODOT) Transportation Information Mapping System (TIMS).

Government Publication Date: Oct 19, 2023

Institutional Controls: INST

This list of sites with institutional controls in place is maintained by the Ohio Environmental Protection Agency's (Ohio EPA) Division of Environmental Response and Revitalization (DERR). The site listing is sourced from the DERR List of Projects with Institutional Controls which includes applicable projects under the Voluntary Action Program (VAP) and the Remedial Response Program (RR). This data also includes sites from the applicable DERR map layer from the Ohio Department of Transportation's (ODOT) Transportation Information Mapping System (TIMS).

Government Publication Date: Oct 19, 2023

Voluntary Action Program Sites: VCP

This list of Voluntary Action Program sites is provided by the Ohio Environmental Protection Agency's (Ohio EPA) Division of Environmental Response and Revitalization (DERR). The VAP Program gives individuals a way to investigate possible environmental contamination, clean it up if necessary and receive a promise from the State of Ohio that no more cleanup is needed. When cleanup requirements are met, the director of Ohio EPA issues a covenant not to sue. This covenant protects the property owner or operator and future owners from being legally responsible to the State of Ohio for further investigation and cleanup. This protection applies only when the property is used and maintained in the same manner as when the covenant was issued.

Government Publication Date: Oct 19, 2023

Covenants Not to Sue Sites: VAP CNS

List of sites where a covenant not to sue (CNS) has been issued. Ohio's Voluntary Action Program (VAP) sets standards for contaminated site assessment and remediation and reviews the activities conducted by certified professionals based on those standards to issue covenants not to sue (CNS).

Government Publication Date: Sep 1, 2021

Brownfield Inventory: BROWNFIELDS

Statewide inventory of brownfield properties maintained by the Ohio Environmental Protection Agency (Ohio EPA). Ohio EPA describes a brownfield as a previously-developed site with potential contamination from industrial or commercial activity that was not being redeveloped due to fear of litigation. Inclusion on this list is voluntary. Most of the properties contained in the Ohio Brownfield Inventory are properties that have received funding through either the Clean Ohio Assistance Fund (COAF) or Clean Ohio Revitalization Fund (CORF). There are also some properties listed that have received funding through U.S. EPA's Brownfield Grants.

Government Publication Date: Nov 15, 2023

Tribal

Leaking Underground Storage Tanks (LUSTs) on Tribal/Indian Lands: INDIAN LUST

This list of leaking underground storage tanks (LUSTs) on Tribal/Indian Lands in Region 5, which includes Ohio, is made available by the United States Environmental Protection Agency (EPA). There are no federally recognized Tribes in Ohio, according to the U.S. Department of Interior, Bureau of Indian Affairs.

Government Publication Date: Oct 16, 2017

Underground Storage Tanks (USTs) on Indian Lands: INDIAN UST

This list of underground storage tanks (USTs) on Tribal/Indian Lands in Region 5, which includes Ohio, is made available by the United States Environmental Protection Agency (EPA). There are no federally recognized Tribes in Ohio, according to the U.S. Department of Interior, Bureau of Indian Affairs.

Government Publication Date: Oct 16, 2017

Delisted Tribal Leaking Storage Tanks: DELISTED INDIAN LST

Leaking Underground Storage Tank (LUST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian LUST lists made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Apr 26, 2023

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Delisted Tribal Underground Storage Tanks: DELISTED INDIAN UST

Underground Storage Tank (UST) facilities which once appeared on - and have since been removed from - the Regional Tribal/Indian UST lists made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Apr 26, 2023

County

No County standard environmental record sources available for this State.

Additional Environmental Record Sources

Federal

PFAS Greenhouse Gas Emissions Data: PFAS GHG

The U.S. Environmental Protection Agency's Greenhouse Gas Reporting Program (GHGRP) collects Greenhouse Gas (GHG) data from large emitting facilities (25,000 metric tons of carbon dioxide equivalent (CO2e) per year), and suppliers of fossil fuels and industrial gases that results in GHG emissions when used. Includes GHG emissions data for facilities that emit or have emitted since 2010 chemicals identified in EPA's CompTox Chemicals Dashboard list of PFAS without explicit structures and list of PFAS structures by DSSTox. PFAS emissions data has been identified for facilities engaged in the following industrial processes: Aluminum Production (GHGRP Subpart F), HCFC-22 Production and HFC-23 Destruction (Subpart O), Electronics Manufacturing (Subpart I), Fluorinated Gas Production (Subpart L), Magnesium Production (Subpart T), Electrical Transmission and Distribution Equipment Use (Subpart DD), and Manufacture of Electric Transmission and Distribution Equipment (Subpart SS). Over time, other industrial processes with required GHGRP reporting may include PFAS emissions data and the list of reportable gases may change over time.

Government Publication Date: Nov 15, 2023

Facility Registry Service/Facility Index: FINDS/FRS

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the U.S. Environmental Protection Agency (EPA).

Government Publication Date: Sep 8, 2023

Toxics Release Inventory (TRI) Program: TRIS

The U.S. Environmental Protection Agency's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of toxic chemicals from U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. There are currently 770 individually listed chemicals and 33 chemical categories covered by the TRI Program. Facilities that manufacture, process or otherwise use these chemicals in amounts above established levels must submit annual reporting forms for each chemical. Note that the TRI chemical list does not include all toxic chemicals used in the U.S. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.

Government Publication Date: Oct 19, 2022

PFOA/PFOS Contaminated Sites: PFAS NPL

This list of Superfund Sites with Per- and Polyfluoroalkyl Substances (PFAS) detections is made available by the U.S. Environmental Protection Agency (EPA) in their PFAS Analytic Tools data, previously the list was obtained by EPA FOIA requests. EPA's Office of Land and Emergency Management and EPA Regional Offices maintain what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment. Limitations: Detections of PFAS at National Priorities List (NPL) sites do not mean that people are at risk from PFAS, are exposed to PFAS, or that the site is the source of the PFAS. The information in the Superfund NPL and Superfund Alternative Agreement (SAA) PFAS detection site list is years old and may not be accurate today. Site information such as site name, site ID, and location has been confirmed for accuracy; however, PFAS-related information such as media sampled, drinking water being above the health advisory, or mitigation efforts has not been verified. For Federal Facilities data, the other Federal agencies (OFA) are the lead agency for their data and provided them to EPA.

Government Publication Date: Dec 18, 2023

Federal Agency Locations with Known or Suspected PFAS Detections: PFAS FED SITES

List of Federal agency locations with known or suspected detections of Per- and Polyfluoroalkyl Substances (PFAS), made available by the U.S. Environmental Protection Agency (EPA) in their PFAS Analytic Tools data. EPA outlines that these data are gathered from several federal entities, such as the Federal Superfund program, Department of Defense (DOD), National Aeronautics and Space Administration, Department of Transportation, and Department of Energy. The dates this data was extracted for the PFAS Analytic Tools range from March 2022 to September 2023. Sites on this list do not necessarily reflect the source/s of PFAS contamination and detections do not indicate level of risk or human exposure at the site. Agricultural notifications in this data are limited to DOD sites only. At this time, the EPA is aware that this list is not comprehensive of all Federal agencies.
Government Publication Date: Sep 5, 2023

SSEHRI PFAS Contamination Sites: PFAS SSEHRI

This PFAS Contamination Site Tracker database is compiled by the Social Science Environmental Health Research Institute (SSEHRI) at Northeastern University. According to the SSEHRI, the database records qualitative and quantitative data from each known site of PFAS contamination, including timeline of discovery, sources, levels, health impacts, community response, and government response. The goal of this database is to compile information and support public understanding of the rapidly unfolding issue of PFAS contamination. All data presented was extracted from government websites, news articles, or publicly available documents, and this is cited in the tracker. Locations for the Known PFAS Contamination Sites are sourced from the PFAS Sites and Community Resources Map, credited to the Northeastern University's PFAS Project Lab, Silent Spring Institute, and the PFAS-REACH team. Disclaimer: The source conveys the data undergoes regular updates as new information becomes available, some sites may be missing and/or contain information that is incorrect or outdated, as well as their information represents all contamination sites SSEHRI is aware of, not all possible contamination sites. This data is not intended to be used for legal purposes. Access the following source link for the most current information: https://pfasproject.com/pfas-sites-and-community-resources/
Government Publication Date: Oct 9, 2022

National Response Center PFAS Spills: ERNS PFAS

This Per- and Poly-Fluoroalkyl Substances (PFAS) Spills dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The National Response Center (NRC), operated by the U.S. Coast Guard, is the designated federal point of contact for reporting all oil, chemical, and other discharges into the environment, for the United States and its territories. This dataset contains NRC spill information from 1990 to the present that is restricted to records associated with PFAS and PFAS-containing materials. Incidents are filtered to include only records with a "Material Involved" or "Incident Description" related to Aqueous Film Forming Foam (AFFF). The keywords used to filter the data included "AFFF," "Fire Fighting Foam," "Aqueous Film Forming Foam," "Fire Suppressant Foam, "PFAS," "PERFL," "PFOA," "PFOS," and "Genx." Limitations: The data from the NRC website contains initial incident data that has not been validated or investigated by a federal/state response agency. Keyword searches may misidentify some incident reports that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS spills/release incidents.
Government Publication Date: Nov 21, 2023

PFAS NPDES Discharge Monitoring: PFAS NPDES

This list of National Pollutant Discharge Elimination System (NPDES) permitted facilities with required monitoring for Per- and Polyfluoroalkyl (PFAS) Substances is made available via the U.S. Environmental Protection Agency (EPA)'s PFAS Analytic Tools. Any point-source wastewater discharger to waters of the United States must have a NPDES permit, which defines a set of parameters for pollutants and monitoring to ensure that the discharge does not degrade water quality or impair human health. This list includes NPDES permitted facilities associated with permits that monitor for Per- and Polyfluoroalkyl Substances (PFAS), limited to the years 2007 - present. EPA further advises the following regarding these data: currently, fewer than half of states have required PFAS monitoring for at least one of their permittees, and fewer states have established PFAS effluent limits for permittees. For states that may have required monitoring, some reporting and data transfer issues may exist on a state-by-state basis.
Government Publication Date: Nov 27, 2023

Perfluorinated Alkyl Substances (PFAS) from Toxic Release Inventory: PFAS TRI

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a per- or polyfluoroalkyl (PFAS) substance included in the U.S. Environmental Protection Agency's (EPA) consolidated PFAS Master List of PFAS Substances. Encompasses Toxics Release Inventory records included in the EPA PFAS Analytic Tools. The EPA's TRI database currently tracks information on disposal or releases of 770 individually listed toxic chemicals and 33 chemical categories from thousands of U.S. facilities and details about how facilities manage those chemicals through recycling, energy recovery, and treatment.
Government Publication Date: Oct 19, 2022

Perfluorinated Alkyl Substances (PFAS) Water Quality: PFAS WATER

The Water Quality Portal (WQP) is a cooperative service sponsored by the United States Geological Survey (USGS), the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC). This listing includes records from the Water Quality Portal where the characteristic (environmental measurement) is in the Environmental Protection Agency (EPA)'s consolidated Master List of PFAS Substances.
Government Publication Date: Jul 20, 2020

PFAS TSCA Manufacture and Import Facilities: PFAS TSCA

The U.S. Environmental Protection Agency (EPA) issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. This list is specific only to TSCA Manufacture and Import Facilities with reported per- and poly-fluoroalkyl (PFAS) substances. Data file is sourced from EPA's PFAS Analytic Tools TSCA dataset which includes CDR/Inventory Update Reporting data from 1998 up to 2020. Disclaimer: This data file includes production and importation data for chemicals identified in EPA's CompTox Chemicals Dashboard list of PFAS without explicit structures and list of PFAS structures in DSSTox. Note that some regulations have specific chemical structure requirements that define PFAS differently than the lists in EPA's CompTox Chemicals Dashboard. Reporting information on manufactured or imported chemical substance amounts should not be compared between facilities, as some companies claim Chemical Data Reporting Rule data fields for PFAS information as Confidential Business Information.

Government Publication Date: Jan 5, 2023

PFAS Waste Transfers from RCRA e-Manifest : PFAS E-MANIFEST

This Per- and Poly-Fluoroalkyl Substances (PFAS) Waste Transfers dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. Every shipment of hazardous waste in the U.S. must be accompanied by a shipment manifest, which is a critical component of the cradle-to-grave tracking of wastes mandated by the Resource Conservation and Recovery Act (RCRA). According to the EPA, currently no Federal Waste Code exists for any PFAS compounds. To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: • PFAS • PFOA • PFOS • PERFL • AFFF • GENX • GEN-X (plus the Vermont state-specific waste codes). Limitations: Amount or concentration of PFAS being transferred cannot be determined from the manifest information. Keyword searches may misidentify some manifest records that do not contain PFAS. This dataset should also not be considered to be exhaustive of all PFAS waste transfers.

Government Publication Date: Oct 11, 2023

PFAS Industry Sectors: PFAS IND

This Per- and Poly-Fluoroalkyl Substances (PFAS) Industry Sectors dataset is made available via the U.S. Environmental Protection Agency's (EPA) PFAS Analytic Tools. The EPA developed the dataset from various sources that show which industries may be handling PFAS including: EPA's Enforcement and Compliance History Online (ECHO) records restricted to potential PFAS-handling industry sectors; ECHO records for Fire Training Sites identified where fire-fighting foam may have been used in training exercises; and 14 CFR Part 139 Airports compiled from historic and current records from the FAA Airport Data and Information Portal. Since July 2006, all certificated Part 139 Airports are required to have fire-fighting foam onsite that meet certain military specifications, which to date have been fluorinated (Aqueous Film Forming Foam). Limitations: Inclusion in this dataset does not indicate that PFAS are being manufactured, processed, used, or released by the facility. Listed facilities potentially handle PFAS based on their industrial profile, but are unconfirmed by the EPA. Keyword searches in ECHO for Fire Training sites may misidentify some facilities and should not be considered to be an exhaustive list of fire training facilities in the U.S.

Government Publication Date: Dec 4, 2023

Hazardous Materials Information Reporting System: HMIRS

The Hazardous Materials Incident Reporting System (HMIRS) database contains unintentional hazardous materials release information reported to the U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration.

Government Publication Date: Nov 26, 2023

National Clandestine Drug Labs: NCDL

The U.S. Department of Justice ("the Department"), Drug Enforcement Administration (DEA), provides this data as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy.

Government Publication Date: Jul 26, 2023

Toxic Substances Control Act: TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.
The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).

Government Publication Date: Apr 11, 2019

Hist TSCA: HIST TSCA

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The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.
The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.
Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing: FTTS ADMIN
An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.
Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing: FTTS INSP
An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.
Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List: PRP
Early in the site cleanup process, the U.S. Environmental Protection Agency (EPA) conducts a search to find the Potentially Responsible Parties (PRPs). The EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site. This listing contains PRPs, Noticed Parties, at sites in the EPA's Superfund Enterprise Management System (SEMS).
Government Publication Date: Oct 26, 2023

State Coalition for Remediation of Drycleaners Listing: SCRD DRYCLEANER
The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin. Since 2017, the SCRD no longer maintains this data, refer to applicable state source data where available.
Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS): ICIS
The Integrated Compliance Information System (ICIS) database contains integrated enforcement and compliance information across most of U.S. Environmental Protection Agency's (EPA) programs. The vision for ICIS is to replace EPA's independent databases that contain enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions and a subset of the Permit Compliance System (PCS), which supports the National Pollutant Discharge Elimination System (NPDES). This information is maintained by the EPA Headquarters and at the Regional offices. A future release of ICIS will completely replace PCS and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities that support compliance and enforcement programs, including incident tracking, compliance assistance, and compliance monitoring.
Government Publication Date: Jan 21, 2023

Drycleaner Facilities: FED DRYCLEANERS
A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) data as made available by the U.S. Environmental Protection Agency (EPA), sourced from the ECHO Exporter file. The EPA tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.
Government Publication Date: Jul 23, 2023

Delisted Drycleaner Facilities: DELISTED FED DRY
List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).
Government Publication Date: Jul 23, 2023

Formerly Used Defense Sites: FUDS
Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DOD) is responsible for an environmental restoration. The FUDS Annual Report to Congress (ARC) is published by the U.S. Army Corps of Engineers (USACE). This data is compiled from the USACE's Geospatial FUDS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) FUDS dataset which applies to the Fiscal Year 2021 FUDS Inventory.

Government Publication Date: May 15, 2023

FUDS Munitions Response Sites: FUDS MRS

Boundaries of Munitions Response Sites (MRS), published with the Formerly Used Defense Sites (FUDS) Annual Report to Congress (ARC) by the U.S. Army Corps of Engineers (USACE). An MRS is a discrete location within a Munitions response area (MRA) that is known to require a munitions response. An MRA means any area on a defense site that is known or suspected to contain unexploded ordnance (UXO), discarded military munitions (DMM), or munitions constituents (MC). This data is compiled from the USACE's Geospatial MRS data layers and Homeland Infrastructure Foundation-Level Data (HIFLD) MRS dataset.

Government Publication Date: May 15, 2023

Former Military Nike Missile Sites: FORMER NIKE

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

Government Publication Date: Dec 2, 1984

PHMSA Pipeline Safety Flagged Incidents: PIPELINE INCIDENT

This list of flagged pipeline incidents is made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types. Accidents reported on hazardous liquid gravity lines (§195.13) and reporting-regulated-only hazardous liquid gathering lines (§195.15) and incidents reported on Type R gas gathering (§192.8(c)) are not included in the flagged incident file data.

Government Publication Date: Nov 6, 2023

Material Licensing Tracking System (MLTS): MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: May 11, 2021

Historic Material Licensing Tracking System (MLTS) sites: HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File: MINES

The Master Index File (MIF) is provided by the United States Department of Labor, Mine Safety and Health Administration (MSHA). This file, which was originally created in the 1970's, contained many Mine-IDs that were invalid. MSHA removes invalid IDs from the MIF upon discovery. MSHA applicable data includes the following: all Coal and Metal/Non-Metal mines under MSHA's jurisdiction since 1/1/1970; mine addresses for all mines in the database except for Abandoned mines prior to 1998 from MSHA's legacy system (addresses may or may not correspond with the physical location of the mine itself); violations that have been assessed penalties as a result of MSHA inspections beginning on 1/1/2000; and violations issued as a result of MSHA inspections conducted beginning on 1/1/2000.

Government Publication Date: May 1, 2023

Surface Mining Control and Reclamation Act Sites: SMCRA

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by the Office of Surface Mining Reclamation and Enforcement (OSMRE) to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). This inventory contains information on the type and extent of Abandoned Mine Land (AML) impacts, as well as information on the cost associated with the reclamation of those problems. The data is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed. Disclaimer: Per the OSMRE, States and tribes who enter their data into eAMLIS (AML Inventory System) may truncate their latitude and longitude so the precise location of usually dangerous AMLs is not revealed in an effort to protect the public from searching for these AMLs, most of which are on private property. If more precise location information is needed, please contact the applicable state/tribe of interest.

Government Publication Date: Jun 13, 2023

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Mineral Resource Data System: MRDS

The Mineral Resource Data System (MRDS) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps.

Government Publication Date: Mar 15, 2016

DOE Legacy Management Sites: LM SITES

The U.S. Department of Energy (DOE) Office of Legacy Management (LM) currently manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The LM manages sites with diverse regulatory drivers (statutes or programs that direct cleanup and management requirements at DOE sites) or as part of internal DOE or congressionally-recognized programs, such as but not limited to: Formerly Utilized Sites Remedial Action Program (FUSRAP), Uranium Mill Tailings Radiation Control Act (UMTRCA Title I, Tile II), Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Resource Conservation and Recovery Act (RCRA), Decontamination and Decommissioning (D&D), Nuclear Waste Policy Act (NWPA). This site listing includes data exported from the DOE Office of LM's Geospatial Environmental Mapping System (GEMS). GEMS Data disclaimer: The DOE Office of LM makes no representation or warranty, expressed or implied, regarding the use, accuracy, availability, or completeness of the data presented herein.

Government Publication Date: Dec 12, 2023

Alternative Fueling Stations: ALT FUELS

This list of alternative fueling stations is sourced from the Alternative Fuels Data Center (AFDC). The U.S. Department of Energy's Office of Energy Efficiency & Renewable Energy launched the AFDC in 1991 as a repository for alternative fuel vehicle performance data, which provides a wealth of information and data on alternative and renewable fuels, advanced vehicles, fuel-saving strategies, and emerging transportation technologies. The data includes Biodiesel (B20 and above), Compressed Natural Gas (CNG), Electric, Ethanol (E85), Hydrogen, Liquefied Natural Gas (LNG), Propane (LPG), and Renewable Diesel (R20 and above) fuel type locations.

Government Publication Date: Aug 30, 2023

Superfunds Consent Decrees: CONSENT DECREES

This list of Superfund consent decrees is provided by the Department of Justice, Environment & Natural Resources Division (ENRD) through a Freedom of Information Act (FOIA) applicable file. This listing includes Consent Decrees for CERCLA or Superfund Sites filed and/or as proposed within the ENRD's Case Management System (CMS) since 2010. CMS may not reflect the latest developments in a case nor can the agency guarantee the accuracy of the data. ENRD Disclaimer: Congress excluded three discrete categories of law enforcement and national security records from the requirements of the FOIA; response is limited to those records that are subject to the requirements of the FOIA; however, this should not be taken as an indication that excluded records do, or do not, exist.

Government Publication Date: Apr 19, 2023

Air Facility System: AFS

This EPA retired Air Facility System (AFS) dataset contains emissions, compliance, and enforcement data on stationary sources of air pollution. Regulated sources cover a wide spectrum; from large industrial facilities to relatively small operations such as dry cleaners. AFS does not contain data on facilities that are solely asbestos demolition and/or renovation contractors, or landfills. ECHO Clean Air Act data from AFS are frozen and reflect data as of October 17, 2014; the EPA retired this system for Clean Air Act stationary sources and transitioned to ICIS-Air.

Government Publication Date: Oct 17, 2014

Registered Pesticide Establishments: SSTS

This national list of active EPA-registered foreign and domestic pesticide and/or device-producing establishments is based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that each producing establishment must place its EPA establishment number on the label or immediate container of each pesticide, active ingredient or device produced. An EPA establishment number on a pesticide product label identifies the EPA registered location where the product was produced. The list of establishments is made available by the U.S. Environmental Protection Agency (EPA).

Government Publication Date: Mar 1, 2023

Polychlorinated Biphenyl (PCB) Transformers: PCBT

Locations of Transformers Containing Polychlorinated Biphenyls (PCBs) registered with the United States Environmental Protection Agency. PCB transformer owners must register their transformer(s) with EPA. Although not required, PCB transformer owners who have removed and properly disposed of a registered PCB transformer may notify EPA to have their PCB transformer de-registered. Data made available by EPA.

Government Publication Date: Oct 15, 2019

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Polychlorinated Biphenyl (PCB) Notifiers: PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: Oct 30, 2023

State

Ohio Emergency Response (ER) Spills data: SPILLS

This data contains incidents reported to the Office of Emergency Response (ER) of the Ohio Environmental Protection Agency (Ohio EPA). Spill site and products released are included in the data, as well as clandestine drug lab sites with environmental impact.

Government Publication Date: May 25, 2022

Ohio Historic Towngas Database (TOWNGAS): TOWNGAS

A list of 82 sites of coal gas generators in Ohio. These plants produced gas for street lights in the communities in which they were located. The production of one million cubic feet of gas also produced about 800 gallons of liquid coal tar, which is a carcinogen. TOWNGAS was developed from a database from Radian Corporation along with information from the Ohio Historical Society and various public libraries.

Government Publication Date: Historic

Dry Cleaning Facilities: DRYCLEANERS

This list of facilities, which have obtained permits to install or operate dry cleaning operations, is maintained by the Ohio Environmental Protection Agency's (Ohio EPA) Division of Air Pollution Control (DAPC). This data is sourced from the Ohio EPA's applicable electronic copies of issued permits search tool and FOIA file.

Government Publication Date: Jul 4, 2023

Delisted Drycleaner Facilities: DELISTED DRYCLEANERS

List of drycleaner facilities/sites which have been delisted from Ohio Environmental Protection Agency (Ohio EPA).

Government Publication Date: Jul 4, 2023

Urban Setting Designation Sites: USD

List of sites granted Urban Setting Designation (USD) by the Ohio Environmental Protection Agency (Ohio EPA). USDs are granted to brownfield and voluntary cleanup properties located in highly urbanized areas where ground water containing chemicals from prior industrial or commercial activities poses no perceptible risk to the community because the ground water is not being used and will not be used for drinking water purposes in the foreseeable future.

Government Publication Date: Oct 19, 2023

Cessation of Regulated Operations (CRO) Program: CRO

The goal of the Cessation of Regulated Operations (CRO) program run by the Ohio Environmental Protection Agency (Ohio EPA) is to prevent threats to human health and the environment created when business owners and operators irresponsibly abandon businesses where chemicals were produced, used, stored or handled.

Government Publication Date: Nov 1, 2023

Ohio Old Sludge Dumping Database (SIABASE): SIAB

This database of about 2800 sites respresent pits, ponds and lagoons where various types of sludge were dumped over many years. The object of this data collection was to determine if harm was done to drinking water supplies below each dump site. The data were collected during the 1970s and published by the Ohio Environmental Protection Agency in 1980.

Government Publication Date: Historic

Per- and Polyfluoroalkyl Substances (PFAS): PFAS

A list of known PFAS contaminated sites. This list is made available by the Ohio Environmental Protection Agency (Ohio EPA).

Government Publication Date: Oct 6, 2022

PFAS Testing of Ohio Public Water Systems: PFAS PWS

A list of public water supply systems that have been tested for PFAS made available by the Ohio Environmental Protection Agency (EPA).

Government Publication Date: Oct 6, 2022

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Underground Injection Control Wells: UIC

This database includes Class I, IV and V Underground Injection Control (UIC) Wells and is provided by Ohio Environmental Protection Agency (OH EPA). The OH EPA's UIC Program is responsible for the regulation of these injection wells, and for assuring that their operation does not contaminate underground sources of drinking water. This Program was established under the authority of Ohio Revised Code sections 6111.043 and 6111.044, and regulates Class I, IV, and V wells by implementing Chapter 3745-34 of the Ohio Administrative Code. Detailed well class descriptions are as followings: Class I wells inject hazardous and non-hazardous wastes into deep, isolated rock formations that are thousands of feet below the lowermost underground source of drinking water. Class IV wells are shallow wells used to inject hazardous or radioactive wastes into or above a geologic formation that contains an underground source of drinking water. Class V wells are used to inject non-hazardous fluids underground either into or above an underground source of drinking water.

Government Publication Date: Oct 27, 2023

Permit by Rule Air Facilities: AIR PERMITS

A permit-by-rule is a specific permit provision in the Ohio Administrative Code that applies to certain types of low-emitting air pollution sources. This list of Permit by Rule facilities is provided by the Ohio Environmental Protection Agency.

Government Publication Date: Oct 2, 2023

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental record sources available for this State.

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Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

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PSR
PHYSICAL SETTING REPORT

Property Information

Order Number:		22120101172p
Date Completed:		December 2, 2022
Project Number:		091564.00
Project Property:		Kittle Wilson Road 091564.00 Kittle Wilson Road Columbus OH 43204
Coordinates:		
	Latitude:	39.98039156
	Longitude:	-83.09681009
	UTM Northing:	4427686.382 Meters
	UTM Easting:	320958.683112 Meters
	UTM Zone:	UTM Zone 17S
	Elevation:	831.30 ft
	Slope Direction:	NE

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Geologic Information....15
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Wells and Additional Sources....29
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The ERIS ***Physical Setting Report - PSR*** provides comprehensive information about the physical setting around a site and includes a complete overview of topography and surface topology, in addition to hydrologic, geologic and soil characteristics. The location and detailed attributes of oil and gas wells, water wells, public water systems and radon are also included for review.

The compilation of both physical characteristics of a site and additional attribute data is useful in assessing the impact of migration of contaminants and subsequent impact on soils and groundwater.

Disclaimer

This Report does not provide a full environmental evaluation for the site or adjacent properties. Please see the terms and disclaimer at the end of the Report for greater detail.

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Topographic Information

Current USGS Topo (2016)

Quadrangle(s): Galloway,OH; Hilliard,OH; Northeast Columbus,OH; Northwest Columbus,OH; Southeast Columbus,OH; Southwest Colu

Source: USGS 7.5 Minute Topographic Map

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Topographic Information

Current USGS Topo - Page 1

0 0.2 0.4 0.8 Miles

N

Quadrangle(s): Northwest Columbus,OH; Southwest Columbus,OH

ERIS

Source: USGS 7.5 Minute Topographic Map

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Topographic Information

Current USGS Topo - Page 2

0 0.2 0.4 0.8 Miles

N

Quadrangle(s): Northwest Columbus,OH; Southwest Columbus,OH

Source: USGS 7.5 Minute Topographic Map

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Topographic Information

Current USGS Topo - Page 3

0 0.2 0.4 0.8 Miles

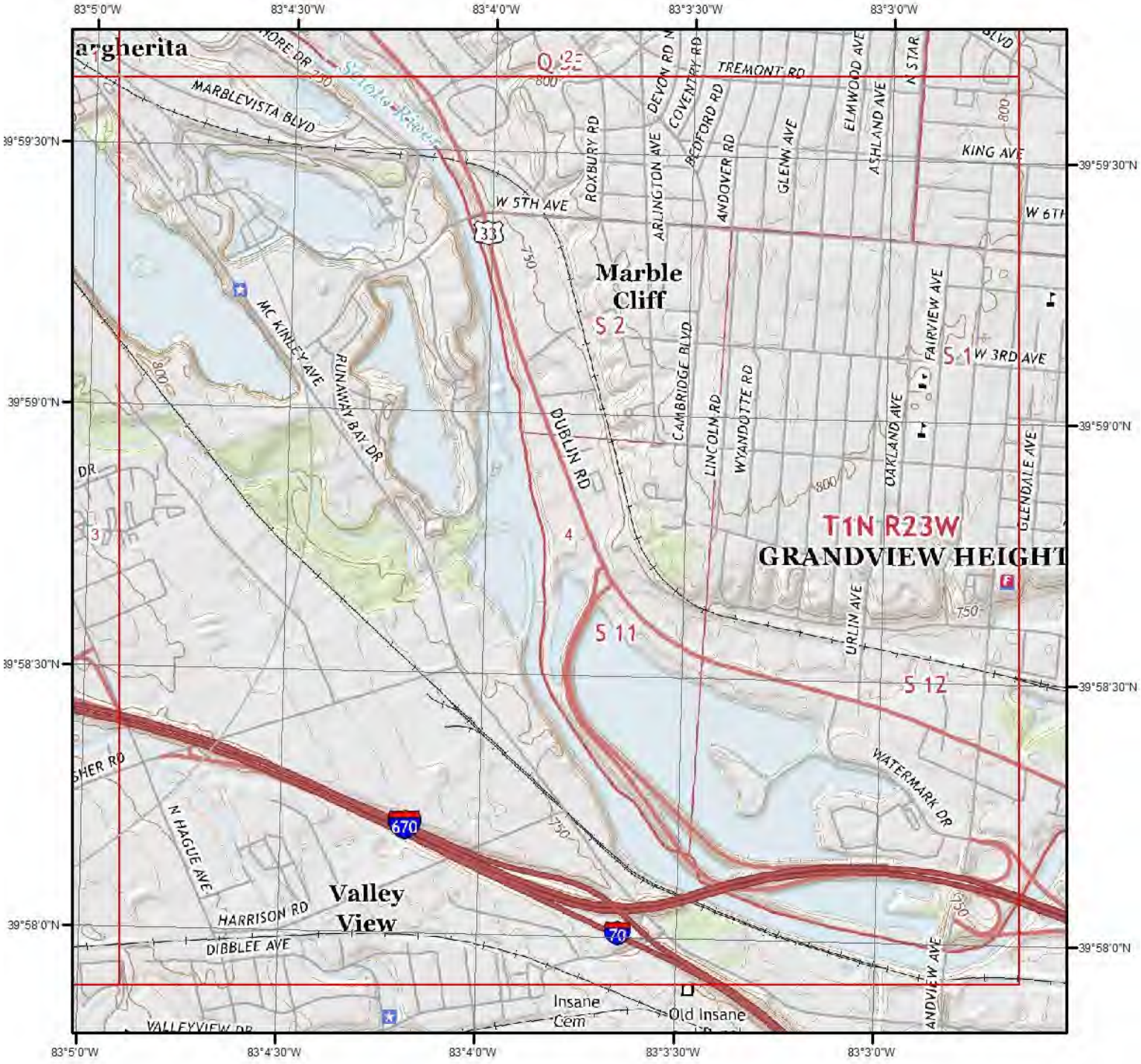
N

Quadrangle(s): Southwest Columbus,OH

Source: USGS 7.5 Minute Topographic Map

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Topographic Information



Current USGS Topo - Page 4

Quadrangle(s): Southwest Columbus,OH

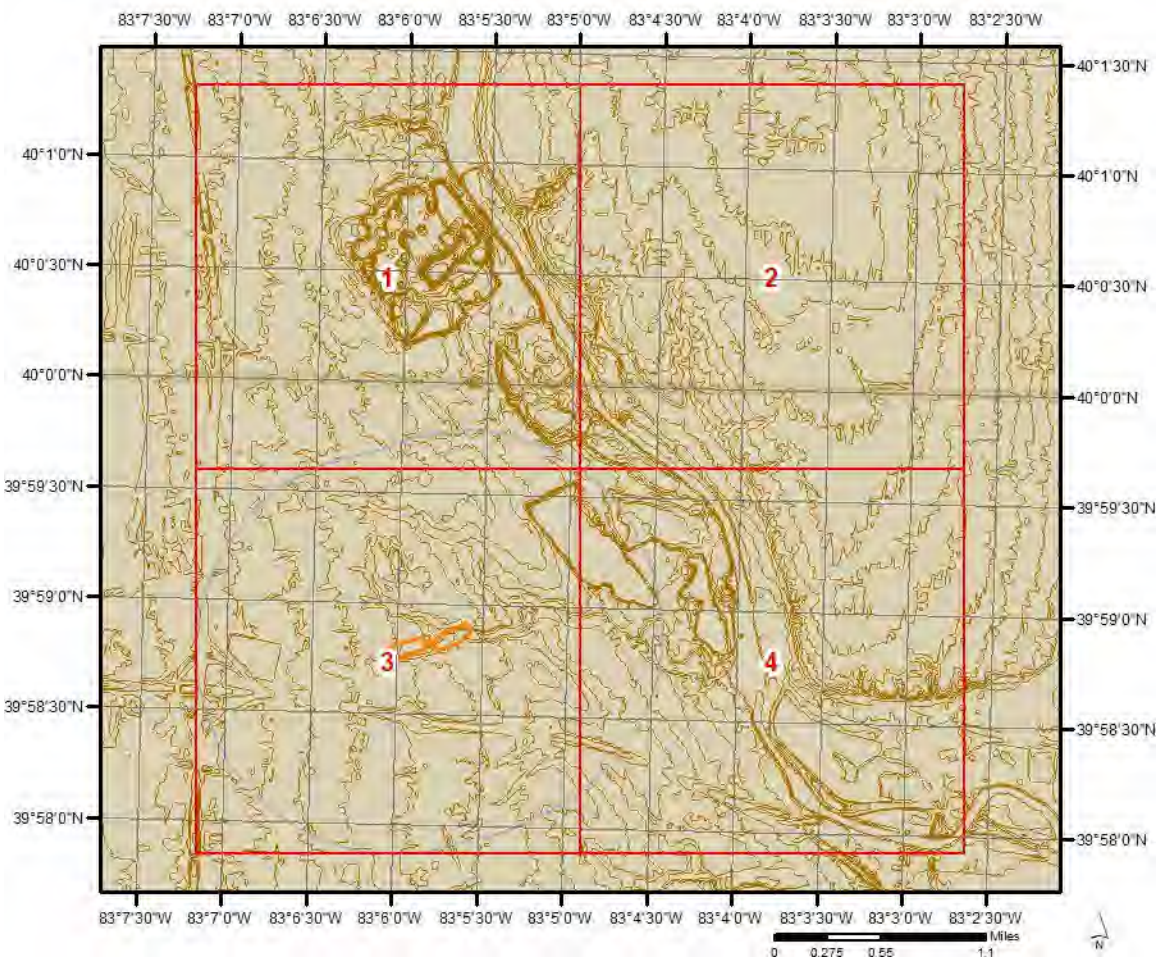
Source: USGS 7.5 Minute Topographic Map

Topographic Information

The previous topographic map(s) are created by seamlessly merging and cutting current USGS topographic data. Below are shaded relief map(s), derived from USGS elevation data to show surrounding topography in further detail.

Topographic information at project property:

Elevation:	831.30 ft
Slope Direction:	NE



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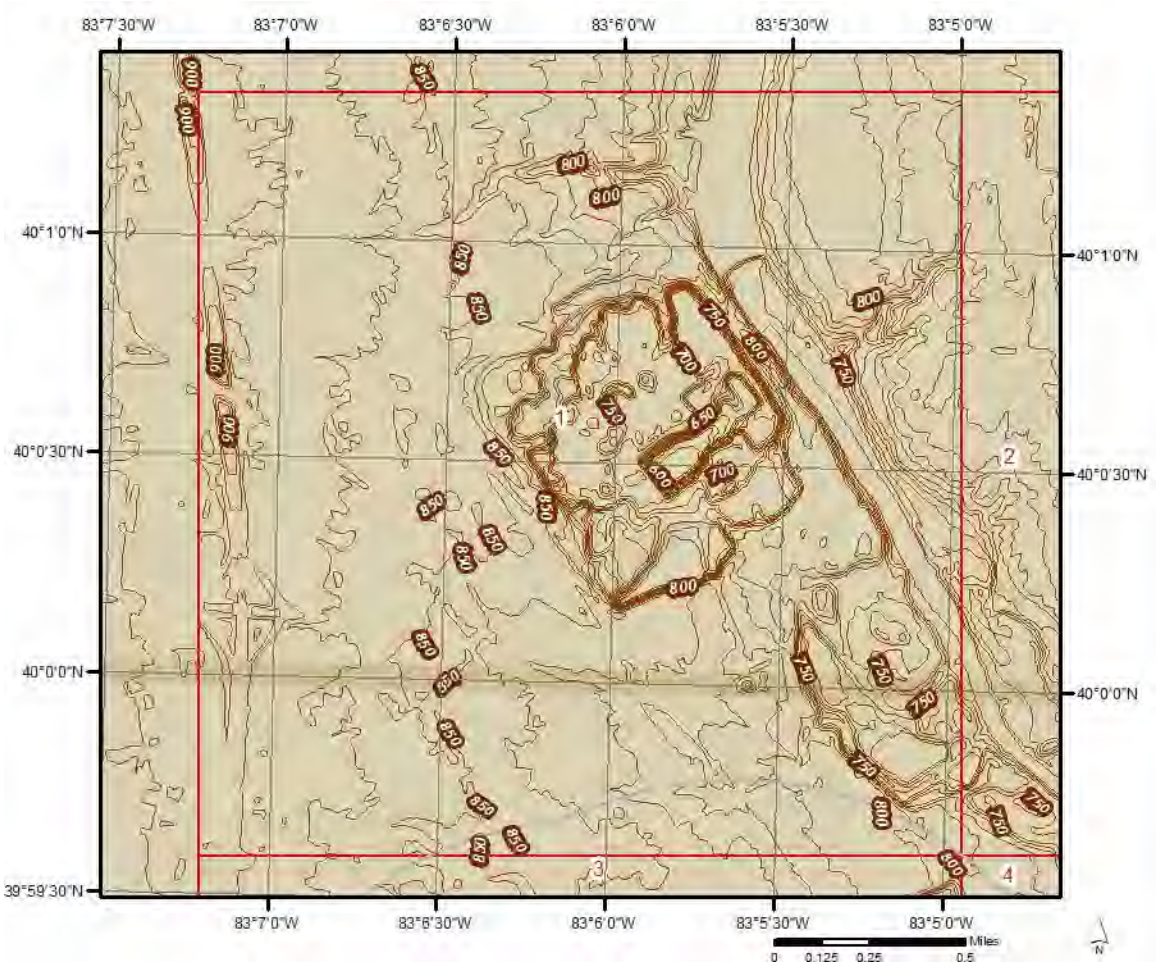
Topographic Information



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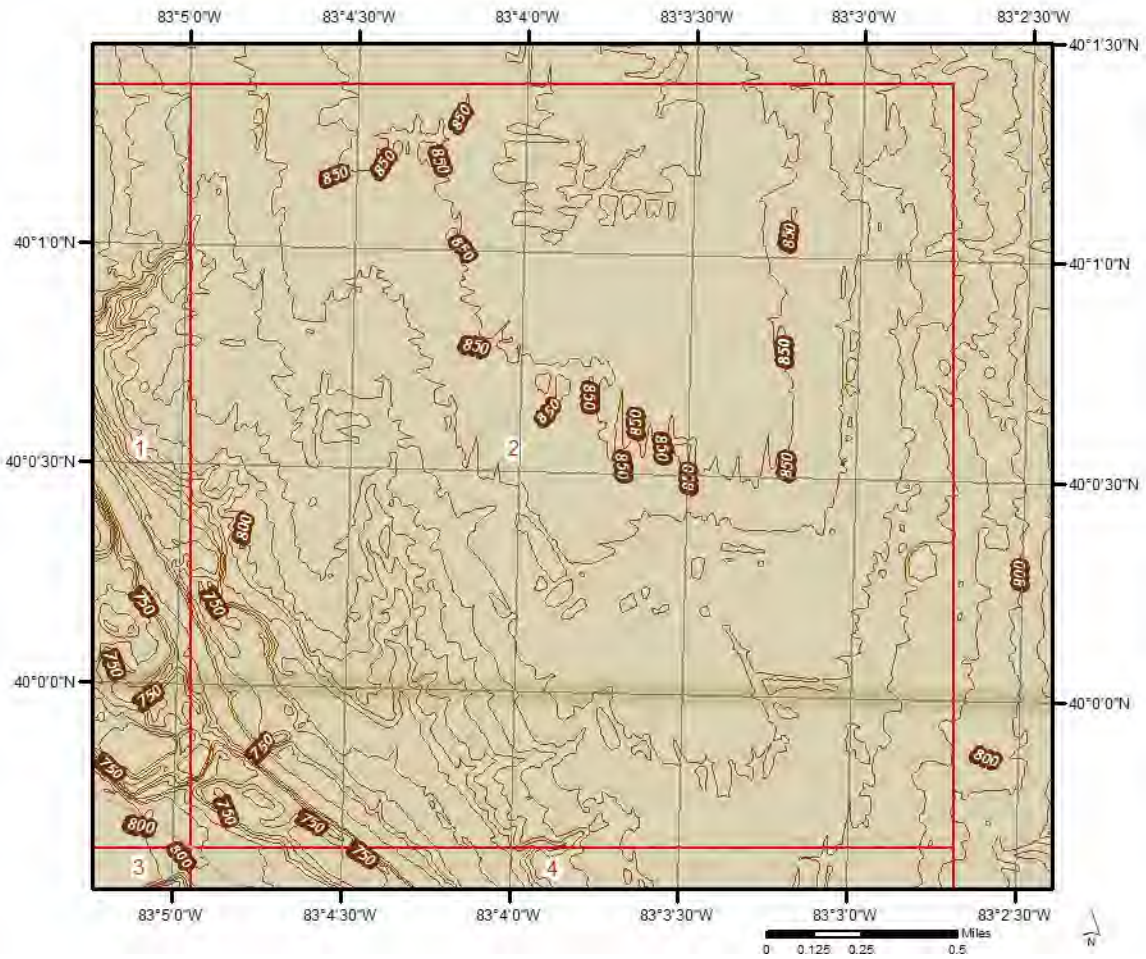
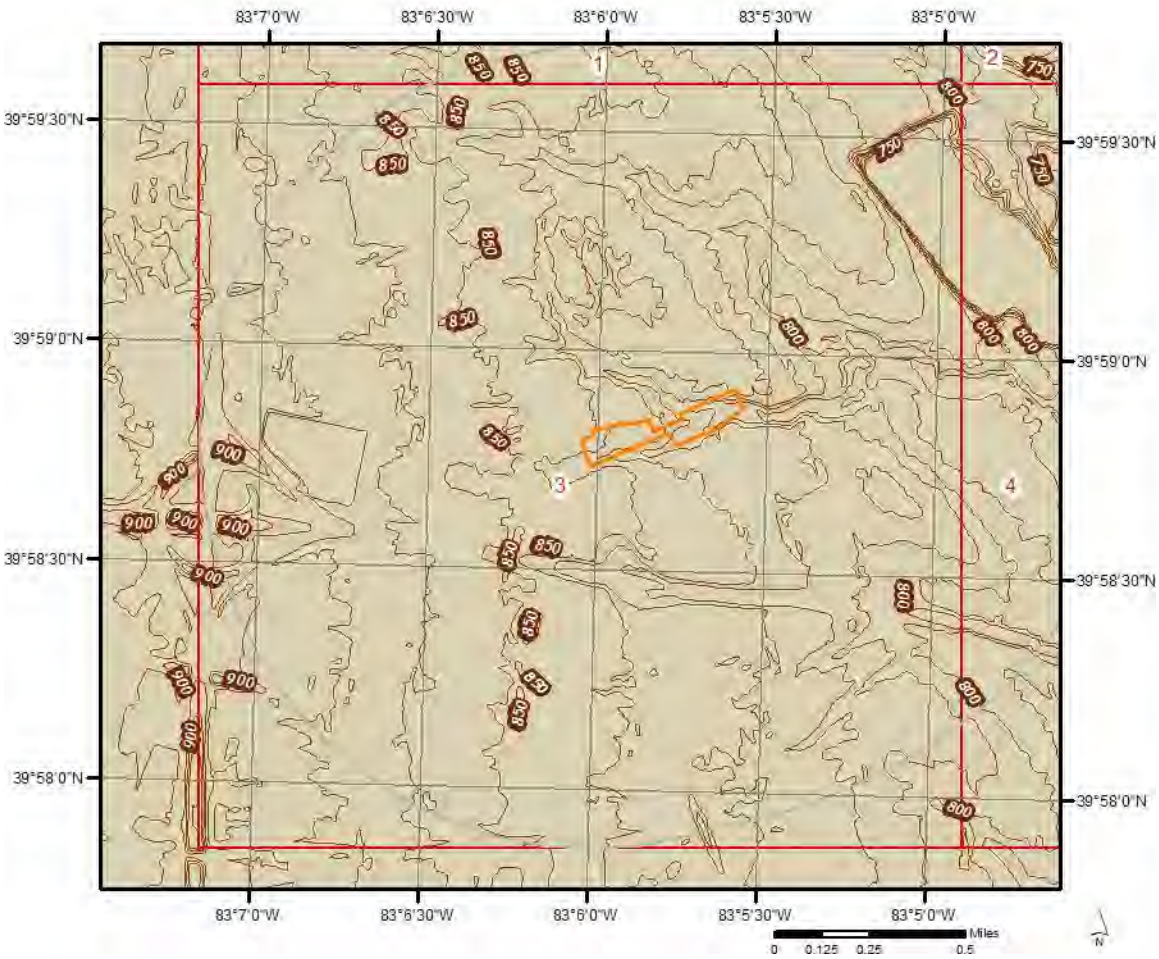


Topographic Information



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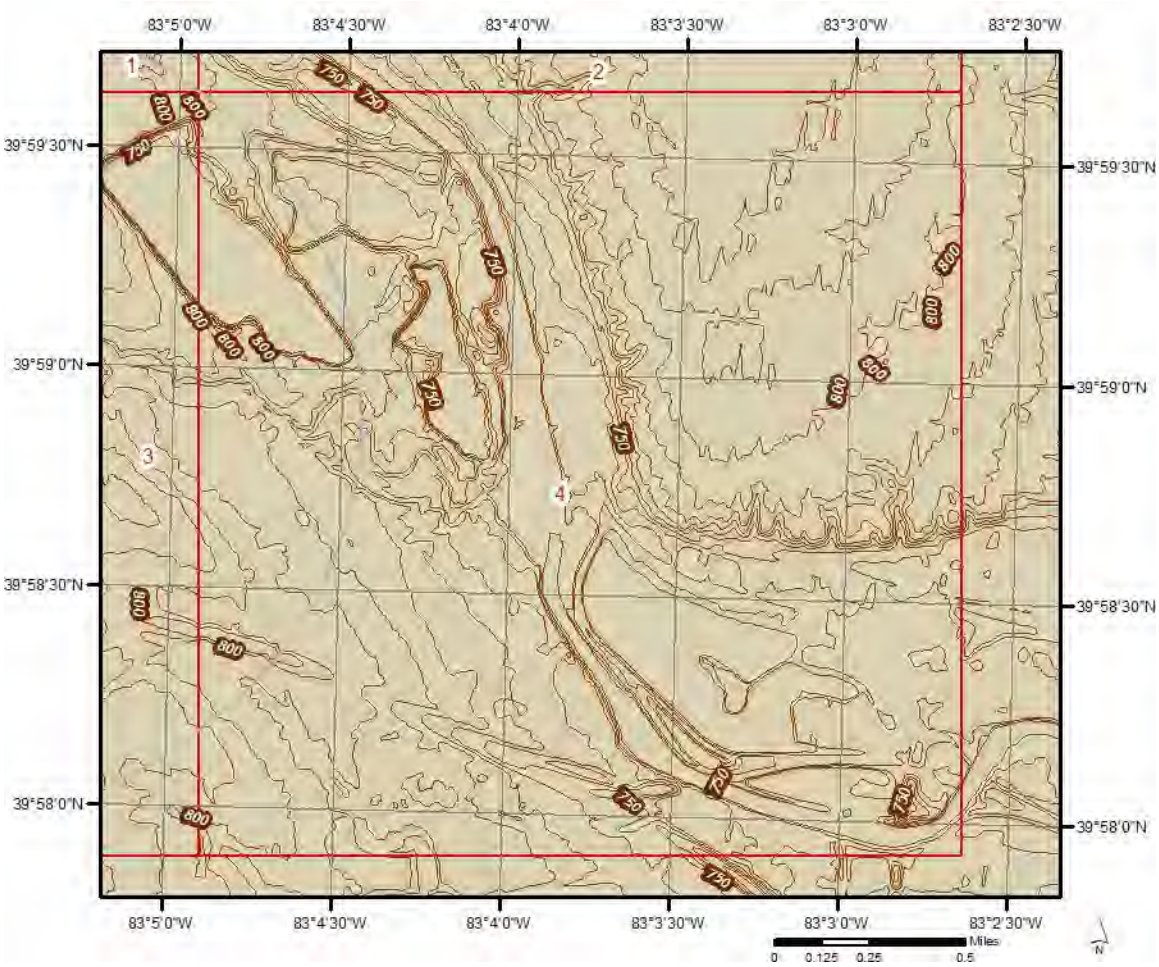
Topographic Information



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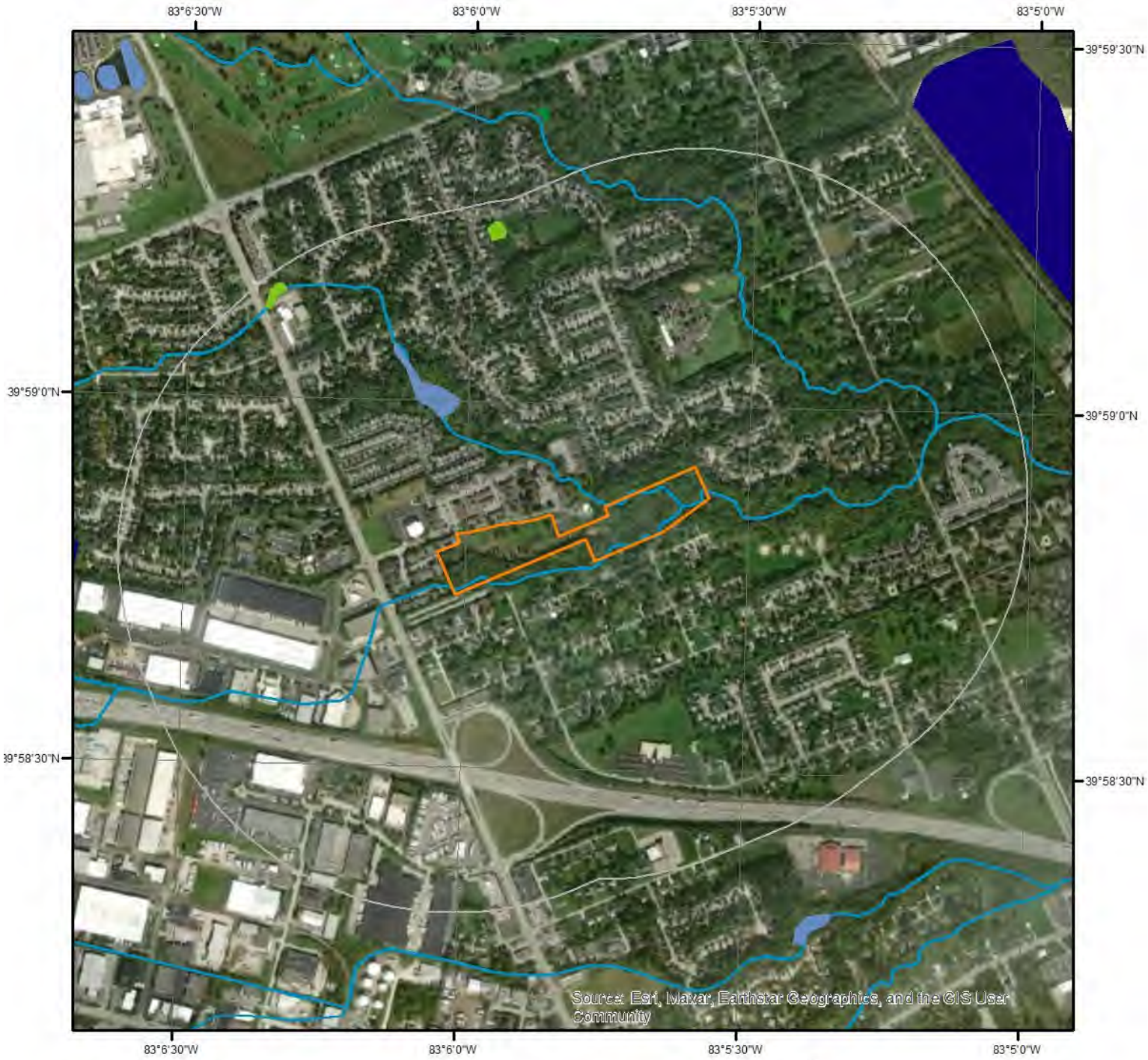
Hydrologic Information



Wetland

0 0.1 0.2 0.4 Miles

N

This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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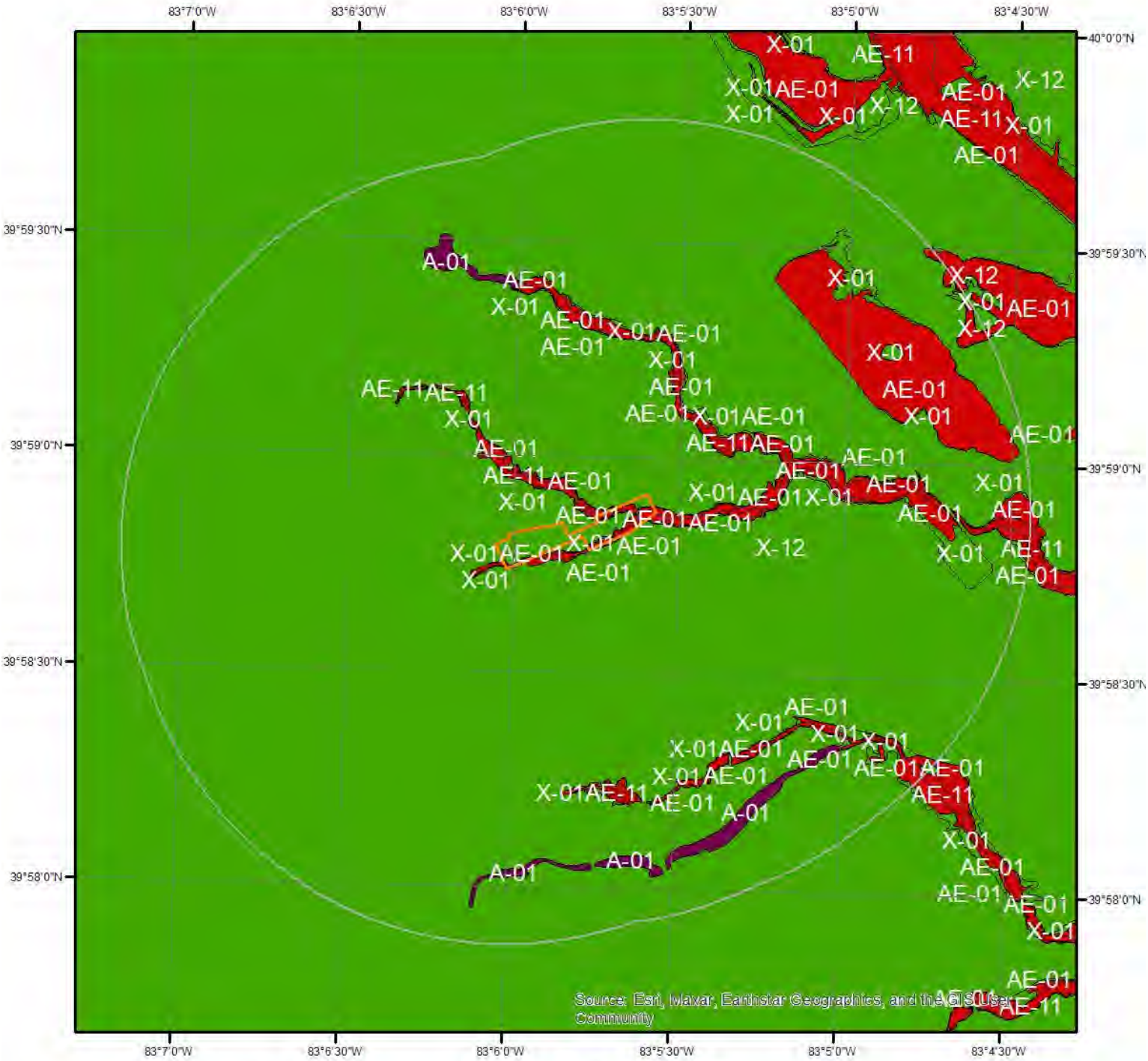
Hydrologic Information

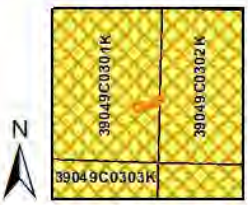


Flood Hazard Zones

0 0.2 0.4 Miles

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED



Quadrangle(s): Galloway,OH; Hilliard,OH; Northeast Columbus,OH; Northwest Columbus,OH; Southeast

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Hydrologic Information

The Wetland Type map shows wetland existence overlaid on an aerial imagery. The Flood Hazard Zones map shows FEMA flood hazard zones overlaid on an aerial imagery. Relevant FIRM panels and detailed zone information is provided below.
For detailed Zone descriptions please click the link: https://floodadvocate.com/fema-zone-definitions

Available FIRM Panels in area:	39049C0304K(effective:2008-06-17) 39049C0301K(effective:2008-06-17) 39049C0302K(effective:2008-06-17) 39049C0303K(effective:2008-06-17)

Flood Zone A-01

Zone:	A
Zone subtype:	

Flood Zone AE-01

Zone:	AE
Zone subtype:	

Flood Zone AE-11

Zone:	AE
Zone subtype:	FLOODWAY

Flood Zone X-01

Zone:	X
Zone subtype:	0.2 PCT ANNUAL CHANCE FLOOD HAZARD

Flood Zone X-12

Zone:	X
Zone subtype:	AREA OF MINIMAL FLOOD HAZARD

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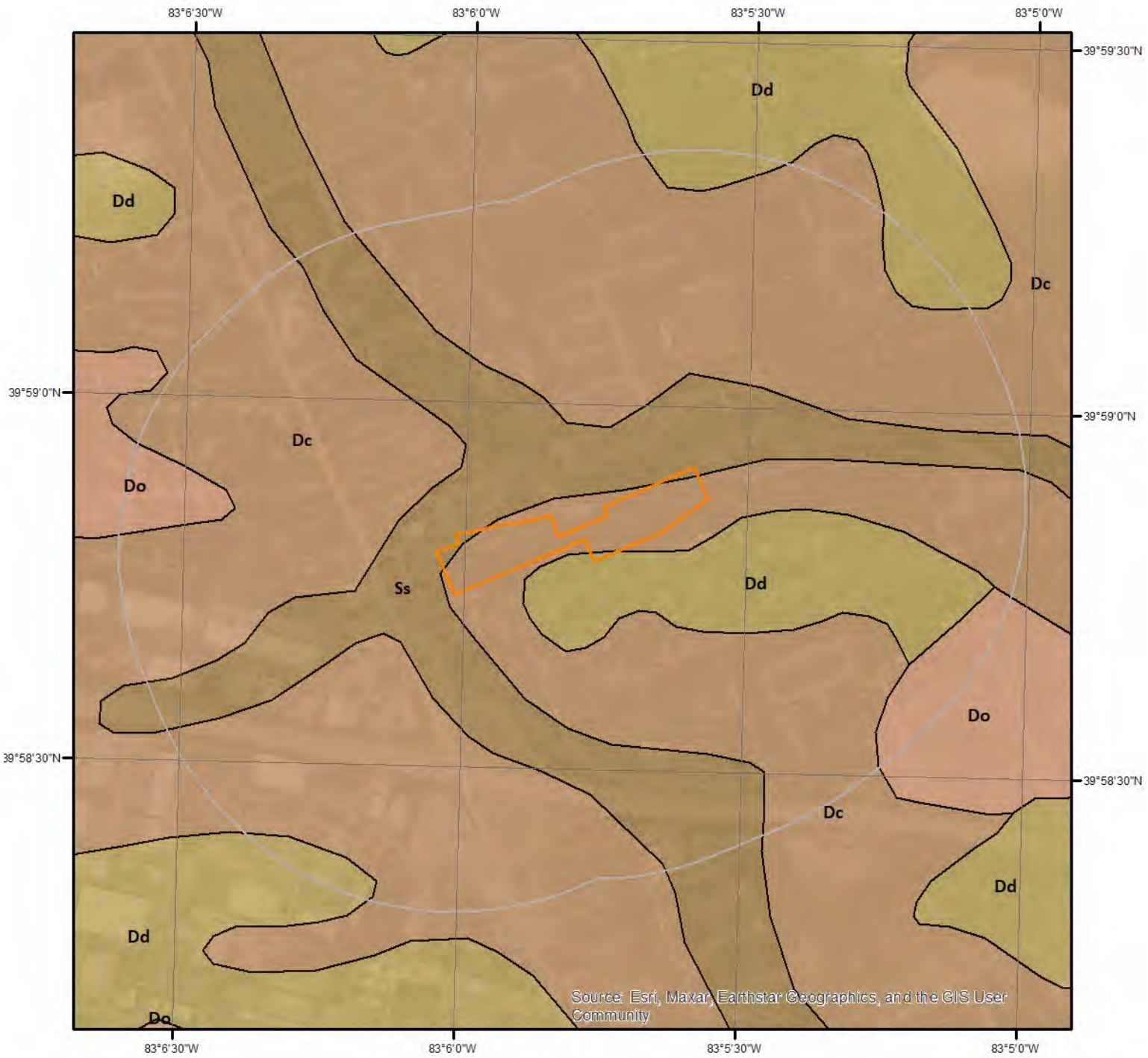
Geologic Information



Geologic Units

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

0 0.3 0.6 Miles

N

ERIS

0 0.375 0.75 Miles

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Geologic Information

The previous page shows USGS geology information. Detailed information about each unit is provided below.

Geologic Unit Dc

Unit Name:	Columbus Limestone
Unit Age:	Devonian
Primary Rock Type:	limestone
Secondary Rock Type:	dolostone (dolomite)
Unit Description:	Columbus Limestone - Limestone and dolomite; gray to brown, weathers brown; massive bedding; upper 2/3 fossiliferous, gray limestone, lower 1/3 brown dolomite; 0 to 105 feet thick.

Geologic Unit Ss

Unit Name:	Salina Group
Unit Age:	Silurian
Primary Rock Type:	dolostone (dolomite)
Secondary Rock Type:	shale
Unit Description:	Salina Group - Dolomite, gray, yellow-gray to olive-gray, laminated to thin bedded; occasional thin bed and laminae of dark gray shale and anhydrite and/or gypsum; brecciated zones in part.

Geologic Unit Dd

Unit Name:	Delaware Limestone
Unit Age:	Devonian
Primary Rock Type:	limestone
Secondary Rock Type:	
Unit Description:	Delaware Limestone - Limestone; gray to brown; thin to massive bedded; argillaceous partings, nodules and layers, carbonaceous, petroliferous odor; as much as 45 feet thick.

Geologic Unit Dd

Unit Name:	Delaware Limestone
Unit Age:	Devonian
Primary Rock Type:	limestone
Secondary Rock Type:	
Unit Description:	Delaware Limestone - Limestone; gray to brown; thin to massive bedded; argillaceous partings, nodules and layers, carbonaceous, petroliferous odor; as much as 45 feet thick.

Geologic Unit Do

Unit Name:	Ohio Shale
Unit Age:	Devonian
Primary Rock Type:	black shale
Secondary Rock Type:	shale

Geologic Information

Unit Description:	Ohio Shale - Shale; brownish black to greenish gray, weathers brown; carbonaceous to clayey, laminated to thin bedded, fissile parting; carbonate and/or siderite concretions in lowermost 50 feet; petroliferous odor; 250 to 500+ feet thick. Includes Olentangy Shale south of central Delaware Co.

Geologic Unit Dd

Unit Name:	Delaware Limestone
Unit Age:	Devonian
Primary Rock Type:	limestone
Secondary Rock Type:	
Unit Description:	Delaware Limestone - Limestone; gray to brown; thin to massive bedded; argillaceous partings, nodules and layers, carbonaceous, petroliferous odor; as much as 45 feet thick.

Geologic Unit Do

Unit Name:	Ohio Shale
Unit Age:	Devonian
Primary Rock Type:	black shale
Secondary Rock Type:	shale
Unit Description:	Ohio Shale - Shale; brownish black to greenish gray, weathers brown; carbonaceous to clayey, laminated to thin bedded, fissile parting; carbonate and/or siderite concretions in lowermost 50 feet; petroliferous odor; 250 to 500+ feet thick. Includes Olentangy Shale south of central Delaware Co.

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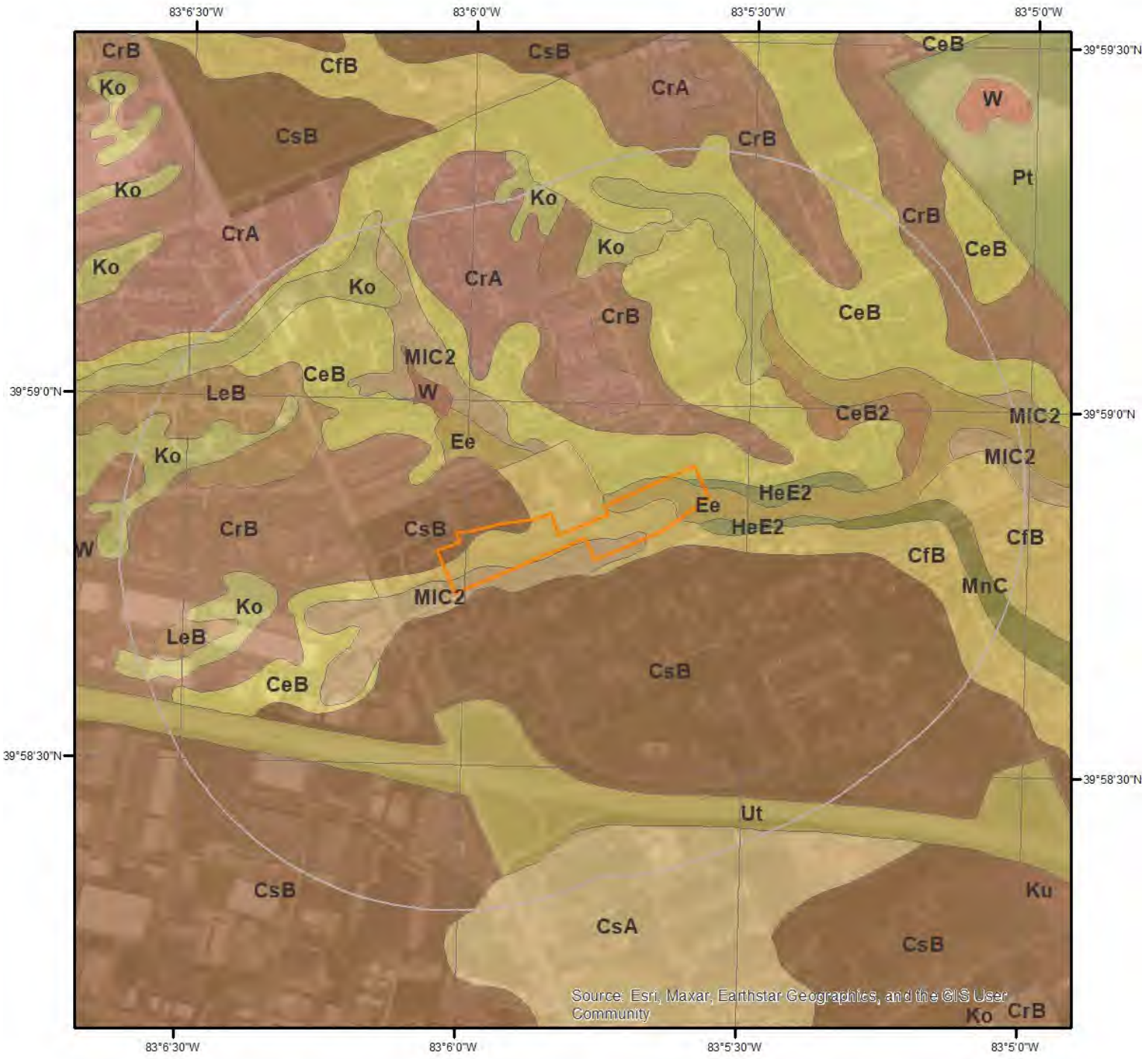
Soil Information



SSURGO Soils

Miles
0 0.2 0.4

N

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

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Soil Information

The previous page shows a soil map using SSURGO data from USDA Natural Resources Conservation Service. Detailed information about each unit is provided below.

Map Unit CeB (4.46%)

Map Unit Name:	Celina silt loam, 2 to 6 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	46cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	C/D - These soils have moderately high runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Celina(85%)

horizon Ap(0cm to 23cm)	Silt loam
horizon 2Bt(23cm to 97cm)	Clay loam
horizon 2Cd(97cm to 200cm)	Loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: CeB - Celina silt loam, 2 to 6 percent slopes

Component: Celina (85%)
The Celina component makes up 85 percent of the map unit. Slopes are 2 to 6 percent. This component is on till plains on till plains. The parent material consists of loess derived from quartzite over loamy till derived from limestone and dolomite. Depth to a root restrictive layer, densic material, is 24 to 40 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 18 inches during February, March, April. Organic matter content in the surface horizon is about 2 percent. This component is in the F111AY009IN Till Ridge ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 35 percent.

Component: Brookston (5%)
Generated brief soil descriptions are created for major soil components. The Brookston soil is a minor component.

Component: Kokomo (5%)
Generated brief soil descriptions are created for major soil components. The Kokomo soil is a minor component.

Component: Crosby (5%)
Generated brief soil descriptions are created for major soil components. The Crosby soil is a minor component.

Map Unit CeB2 (0.15%)

Map Unit Name:	Celina silt loam, 2 to 6 percent slopes, eroded
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	46cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	C/D - These soils have moderately high runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Celina(90%)

horizon Ap(0cm to 23cm)	Silt loam
horizon 2Bt(23cm to 84cm)	Clay loam
horizon 2BCt(84cm to 94cm)	Loam

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Soil Information

horizon 2Cd(94cm to 200cm)	Loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: CeB2 - Celina silt loam, 2 to 6 percent slopes, eroded

Component: Celina (90%)
The Celina, eroded component makes up 90 percent of the map unit. Slopes are 2 to 6 percent. This component is on Wisconsin ground moraines, Wisconsin till plains. The parent material consists of silty material or loess over loamy till. Depth to a root restrictive layer, densic material, is 20 to 40 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 18 inches during January, February, March, April, May, June, October, November, December. Organic matter content in the surface horizon is about 2 percent. This component is in the F111AY009IN Till Ridge ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 33 percent.

Component: Crosby (4%)
Generated brief soil descriptions are created for major soil components. The Crosby soil is a minor component.

Component: Kokomo (4%)
Generated brief soil descriptions are created for major soil components. The Kokomo soil is a minor component.

Component: Miamian (2%)
Generated brief soil descriptions are created for major soil components. The Miamian soil is a minor component.

Map Unit CfB (4.79%)

Map Unit Name:	Celina-Urban land complex, 2 to 6 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	69cm
Drainage Class - Dominant:	
Hydrologic Group - Dominant:	
Major components are printed below	
Celina(45%)	
horizon H1(0cm to 18cm)	Silt loam
horizon H2(18cm to 71cm)	Silty clay loam
horizon H3(71cm to 178cm)	Loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: CfB - Celina-Urban land complex, 2 to 6 percent slopes

Component: Celina (45%)
The Celina component makes up 45 percent of the map unit. Slopes are 2 to 6 percent. This component is on till plains. The parent material consists of loamy till. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 27 inches during January, February, March, April. Organic matter content in the surface horizon is about 2 percent. This component is in the F111AY009IN Till Ridge ecological site. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 35 percent.

Component: Urban land (30%)
Generated brief soil descriptions are created for major soil components. The Urban land is a miscellaneous area.

Component: areas altered by cutting and filling (20%)
Generated brief soil descriptions are created for major soil components. The areas altered by cutting and filling soil is a minor component.

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Soil Information

Component: Kokomo (5%)
Generated brief soil descriptions are created for major soil components. The Kokomo soil is a minor component.

Map Unit CrA (3.02%)

Map Unit Name:	Crosby silt loam, Southern Ohio Till Plain, 0 to 2 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	15cm
Drainage Class - Dominant:	Somewhat poorly drained
Hydrologic Group - Dominant:	C/D - These soils have moderately high runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Crosby(90%)

horizon Ap(0cm to 20cm)	Silt loam
horizon BE(20cm to 28cm)	Silt loam
horizon Bt1(28cm to 36cm)	Silt loam
horizon 2Bt2(36cm to 71cm)	Silty clay loam
horizon 2BCt(71cm to 91cm)	Loam
horizon 2Cd(91cm to 200cm)	Loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: CrA - Crosby silt loam, Southern Ohio Till Plain, 0 to 2 percent slopes

Component: Crosby (90%)
The Crosby component makes up 90 percent of the map unit. Slopes are 0 to 2 percent. This component is on Wisconsin ground moraines, till plains. The parent material consists of silty material or loess over loamy till. Depth to a root restrictive layer, densic material, is 24 to 40 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 6 inches during January, February, March. Organic matter content in the surface horizon is about 3 percent. This component is in the F111AY008IN Wet Till Ridge ecological site. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 35 percent.

Component: Kokomo (5%)
Generated brief soil descriptions are created for major soil components. The Kokomo, drained soil is a minor component.

Component: Celina (4%)
Generated brief soil descriptions are created for major soil components. The Celina, eroded soil is a minor component.

Component: Miamian (1%)
Generated brief soil descriptions are created for major soil components. The Miamian, eroded soil is a minor component.

Map Unit CrB (3.91%)

Map Unit Name:	Crosby silt loam, Southern Ohio Till Plain, 2 to 6 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	15cm
Drainage Class - Dominant:	Somewhat poorly drained
Hydrologic Group - Dominant:	C/D - These soils have moderately high runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Crosby(90%)

horizon Ap(0cm to 20cm)	Silt loam
horizon BE(20cm to 28cm)	Silt loam

Soil Information

horizon Bt1(28cm to 36cm)	Silt loam
horizon 2Bt2(36cm to 71cm)	Silty clay loam
horizon 2BCt(71cm to 91cm)	Loam
horizon 2Cd(91cm to 200cm)	Loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: CrB - Crosby silt loam, Southern Ohio Till Plain, 2 to 6 percent slopes

Component: Crosby (90%)
The Crosby component makes up 90 percent of the map unit. Slopes are 2 to 6 percent. This component is on Wisconsin ground moraines, till plains. The parent material consists of silty material or loess over loamy till. Depth to a root restrictive layer, densic material, is 24 to 40 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 6 inches during January, February, March. Organic matter content in the surface horizon is about 3 percent. This component is in the F111AY008IN Wet Till Ridge ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 35 percent.

Component: Kokomo (5%)
Generated brief soil descriptions are created for major soil components. The Kokomo, drained soil is a minor component.

Component: Celina (3%)
Generated brief soil descriptions are created for major soil components. The Celina, eroded soil is a minor component.

Component: Miamian (1%)
Generated brief soil descriptions are created for major soil components. The Miamian, eroded soil is a minor component.

Component: Lewisburg (1%)
Generated brief soil descriptions are created for major soil components. The Lewisburg soil is a minor component.

Map Unit CsA (2.2%)

Map Unit Name:	Crosby-Urban land complex, 0 to 2 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	15cm
Drainage Class - Dominant:	Somewhat poorly drained
Hydrologic Group - Dominant:	C/D - These soils have moderately high runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Crosby(56%)

horizon Ap(0cm to 20cm)	Silt loam
horizon BE(20cm to 28cm)	Silt loam
horizon Bt1(28cm to 36cm)	Silt loam
horizon 2Bt2(36cm to 71cm)	Silty clay loam
horizon 2BCt(71cm to 91cm)	Loam
horizon 2Cd(91cm to 200cm)	Loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: CsA - Crosby-Urban land complex, 0 to 2 percent slopes

Component: Crosby (56%)
The Crosby component makes up 56 percent of the map unit. Slopes are 0 to 2 percent. This component is on ground moraines, till plains. The parent material consists of silty material or loess over loamy till. Depth to a root restrictive layer, densic material, is 24 to 40 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded.

Soil Information

A seasonal zone of water saturation is at 6 inches during January, February, March. Organic matter content in the surface horizon is about 3 percent. This component is in the F111AY008IN Wet Till Ridge ecological site. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 35 percent.

Component: Urban land (35%)
Generated brief soil descriptions are created for major soil components. The Urban land is a miscellaneous area.

Component: Kokomo (5%)
Generated brief soil descriptions are created for major soil components. The Kokomo, drained soil is a minor component.

Component: Celina (3%)
Generated brief soil descriptions are created for major soil components. The Celina, eroded soil is a minor component.

Component: Miamian (1%)
Generated brief soil descriptions are created for major soil components. The Miamian, eroded soil is a minor component.

Map Unit CsB (29.1%)

Map Unit Name:	Crosby-Urban land complex, 2 to 6 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	61cm
Drainage Class - Dominant:	
Hydrologic Group - Dominant:	

Major components are printed below

Crosby(45%)

horizon H1(0cm to 23cm)	Silt loam
horizon H2(23cm to 91cm)	Silty clay loam
horizon H3(91cm to 178cm)	Loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: CsB - Crosby-Urban land complex, 2 to 6 percent slopes

Component: Crosby (45%)
The Crosby component makes up 45 percent of the map unit. Slopes are 2 to 6 percent. This component is on till plains. The parent material consists of loamy till. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 24 inches during January, February, March, April. Organic matter content in the surface horizon is about 2 percent. This component is in the F111AY008IN Wet Till Ridge ecological site. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 25 percent.

Component: Urban land (30%)
Generated brief soil descriptions are created for major soil components. The Urban land is a miscellaneous area.

Component: areas altered by cutting and filling (15%)
Generated brief soil descriptions are created for major soil components. The areas altered by cutting and filling soil is a minor component.

Component: Kokomo (5%)
Generated brief soil descriptions are created for major soil components. The Kokomo soil is a minor component.

Component: Celina (5%)
Generated brief soil descriptions are created for major soil components. The Celina soil is a minor component.

Map Unit Ee (1.32%)

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Soil Information

Map Unit Name:	Eel silt loam, 0 to 2 percent slopes, occasionally flooded
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	49cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	A/D - These soils have low runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Eel(80%)

horizon Ap(0cm to 23cm)	Silt loam
horizon Bw1(23cm to 38cm)	Silt loam
horizon Bw2(38cm to 135cm)	Silt loam
horizon Cg(135cm to 183cm)	Stratified sandy loam to silty clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: Ee - Eel silt loam, 0 to 2 percent slopes, occasionally flooded

Component: Eel (80%)
The Eel, occasionally flooded component makes up 80 percent of the map unit. Slopes are 0 to 2 percent. This component is on flood-plain steps on till plains. The parent material consists of loamy alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is very high. Shrink-swell potential is moderate. This soil is occasionally flooded. It is not ponded. A seasonal zone of water saturation is at 19 inches during January, February, March, April, May, November, December. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 5 percent.

Component: Genesee (10%)
Generated brief soil descriptions are created for major soil components. The Genesee, occasionally flooded soil is a minor component.

Component: Shoals (6%)
Generated brief soil descriptions are created for major soil components. The Shoals, occasionally flooded soil is a minor component.

Component: Sloan (4%)
Generated brief soil descriptions are created for major soil components. The Sloan, occasionally ponded soil is a minor component.

Map Unit HeE2 (0.11%)

Map Unit Name:	Hennepin and Miamian loams, 18 to 25 percent slopes, eroded
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Hennepin(45%)

horizon H1(0cm to 15cm)	Loam
horizon H2(15cm to 46cm)	Clay loam
horizon H3(46cm to 178cm)	Gravelly loam

Miamian(40%)

horizon H1(0cm to 15cm)	Loam
horizon H2(15cm to 61cm)	Clay loam
horizon H3(61cm to 178cm)	Loam

Component Description:

Soil Information

Minor map unit components are excluded from this report.

Map Unit: HeE2 - Hennepin and Miamian loams, 18 to 25 percent slopes, eroded

Component: Hennepin (45%)
The Hennepin component makes up 45 percent of the map unit. Slopes are 18 to 25 percent. This component is on till plains. The parent material consists of fine-loamy till. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the F111AY009IN Till Ridge ecological site. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 28 percent.

Component: Miamian (40%)
The Miamian component makes up 40 percent of the map unit. Slopes are 18 to 25 percent. This component is on till plains. The parent material consists of loamy till. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the F111AY009IN Till Ridge ecological site. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 35 percent.

Component: nearly vertical escarpments (5%)
Generated brief soil descriptions are created for major soil components. The nearly vertical escarpments soil is a minor component.

Component: Eldean (5%)
Generated brief soil descriptions are created for major soil components. The Eldean soil is a minor component.

Component: Celina (5%)
Generated brief soil descriptions are created for major soil components. The Celina soil is a minor component.

Map Unit Ko (1.9%)

Map Unit Name:	Kokomo silty clay loam, 0 to 2 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	8cm
Drainage Class - Dominant:	Very poorly drained
Hydrologic Group - Dominant:	C/D - These soils have moderately high runoff potential when drained and high runoff potential when undrained.

Major components are printed below

Kokomo(90%)	
horizon Ap(0cm to 28cm)	Silty clay loam
horizon Btg(28cm to 104cm)	Clay loam
horizon Bt(104cm to 163cm)	Clay loam
horizon 2C(163cm to 200cm)	Loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: Ko - Kokomo silty clay loam, 0 to 2 percent slopes

Component: Kokomo (90%)
The Kokomo component makes up 90 percent of the map unit. Slopes are 0 to 2 percent. This component is on depressions, till plains. The parent material consists of loamy glaciofluvial deposits derived from sedimentary rock over loamy till derived from limestone and dolomite. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is very poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is moderate. This soil is not flooded. It is frequently ponded. A seasonal zone of water saturation is at 3 inches during January, February, March, April, May, December. Organic matter content in the surface horizon is about 5 percent. This component is in the F111AY007IN Till Depression Flatwood ecological site. Nonirrigated land capability classification is 2w. This soil meets hydric criteria.

Soil Information

Component: Celina (5%)
Generated brief soil descriptions are created for major soil components. The Celina soil is a minor component.

Component: Crosby (5%)
Generated brief soil descriptions are created for major soil components. The Crosby soil is a minor component.

Map Unit LeB (1.03%)

Map Unit Name:	Lewisburg-Crosby complex, 2 to 6 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	61cm
Drainage Class - Dominant:	Moderately well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Lewisburg(45%)	
horizon H1(0cm to 15cm)	Silt loam
horizon H2(15cm to 41cm)	Silty clay loam
horizon H3(41cm to 178cm)	Loam
Crosby(40%)	
horizon H1(0cm to 23cm)	Silt loam
horizon H2(23cm to 79cm)	Silty clay loam
horizon H3(79cm to 178cm)	Loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: LeB - Lewisburg-Crosby complex, 2 to 6 percent slopes

Component: eroded areas with a clay loam surface layer (%)
Generated brief soil descriptions are created for major soil components. The eroded areas with a clay loam surface layer soil is a minor component.

Component: Lewisburg (45%)
The Lewisburg component makes up 45 percent of the map unit. Slopes are 2 to 6 percent. This component is on till plains. The parent material consists of loamy till. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 36 inches during January, February, March, April. Organic matter content in the surface horizon is about 2 percent. This component is in the F111AY009IN Till Ridge ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 39 percent.

Component: Crosby (40%)
The Crosby component makes up 40 percent of the map unit. Slopes are 2 to 6 percent. This component is on till plains. The parent material consists of loamy till. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 24 inches during January, February, March, April. Organic matter content in the surface horizon is about 2 percent. This component is in the F111AY008IN Wet Till Ridge ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 25 percent.

Component: Kokomo (15%)
Generated brief soil descriptions are created for major soil components. The Kokomo soil is a minor component.

Map Unit MlC2 (1.01%)

Map Unit Name:	Miamian silty clay loam, 6 to 12 percent slopes, eroded
Bedrock Depth - Min:	

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Soil Information

Watertable Depth - Annual Min:	
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Miamian(90%)

horizon H1(0cm to 23cm)	Silty clay loam
horizon H2(23cm to 91cm)	Clay loam
horizon H3(91cm to 178cm)	Loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: MlC2 - Miamian silty clay loam, 6 to 12 percent slopes, eroded

Component: Miamian (90%)
The Miamian component makes up 90 percent of the map unit. Slopes are 6 to 12 percent. This component is on till plains. The parent material consists of loamy till. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the F111AY009IN Till Ridge ecological site. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 35 percent.

Component: Crosby (5%)
Generated brief soil descriptions are created for major soil components. The Crosby soil is a minor component.

Component: Kokomo (5%)
Generated brief soil descriptions are created for major soil components. The Kokomo soil is a minor component.

Map Unit MnC (0.33%)

Map Unit Name:	Miamian-Urban land complex, 6 to 12 percent slopes
Bedrock Depth - Min:	
Watertable Depth - Annual Min:	
Drainage Class - Dominant:	
Hydrologic Group - Dominant:	

Major components are printed below

Miamian(45%)

horizon H1(0cm to 23cm)	Silt loam
horizon H2(23cm to 91cm)	Clay loam
horizon H3(91cm to 178cm)	Loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: MnC - Miamian-Urban land complex, 6 to 12 percent slopes

Component: Miamian (45%)
The Miamian component makes up 45 percent of the map unit. Slopes are 6 to 12 percent. This component is on till plains. The parent material consists of loamy till. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the F111AY009IN Till Ridge ecological site. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 35 percent.

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Soil Information

Component: Urban land (30%)
Generated brief soil descriptions are created for major soil components. The Urban land is a miscellaneous area.

Component: areas altered by cutting and filling (15%)
Generated brief soil descriptions are created for major soil components. The areas altered by cutting and filling soil is a minor component.

Component: Crosby (10%)
Generated brief soil descriptions are created for major soil components. The Crosby soil is a minor component.

Map Unit Ut (46.62%)

Map Unit Name: Udorthents-Urban land complex, gently rolling

No more attributes available for this map unit

Component Description:

Minor map unit components are excluded from this report.

Map Unit: Ut - Udorthents-Urban land complex, gently rolling

Component: Udorthents (50%)
The Udorthents component makes up 50 percent of the map unit. Slopes are 2 to 12 percent. Depth to a root restrictive layer is greater than 60 inches. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. This soil does not meet hydric criteria.

Component: Urban land (40%)
Generated brief soil descriptions are created for major soil components. The Urban land is a miscellaneous area.

Component: areas similar to adjacent soils (5%)
Generated brief soil descriptions are created for major soil components. The areas similar to adjacent soils soil is a minor component.

Component: slopes of 12 to 55 percent (5%)
Generated brief soil descriptions are created for major soil components. The slopes of 12 to 55 percent soil is a minor component.

Map Unit W (0.04%)

Map Unit Name: Water

No more attributes available for this map unit

Component Description:

Minor map unit components are excluded from this report.

Map Unit: W - Water

Component: Water (100%)
Generated brief soil descriptions are created for major soil components. The Water is a miscellaneous area.

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Wells and Additional Sources

Wells & Additional Sources

N

0 0.3 0.6 1.2 Miles

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

ERIS

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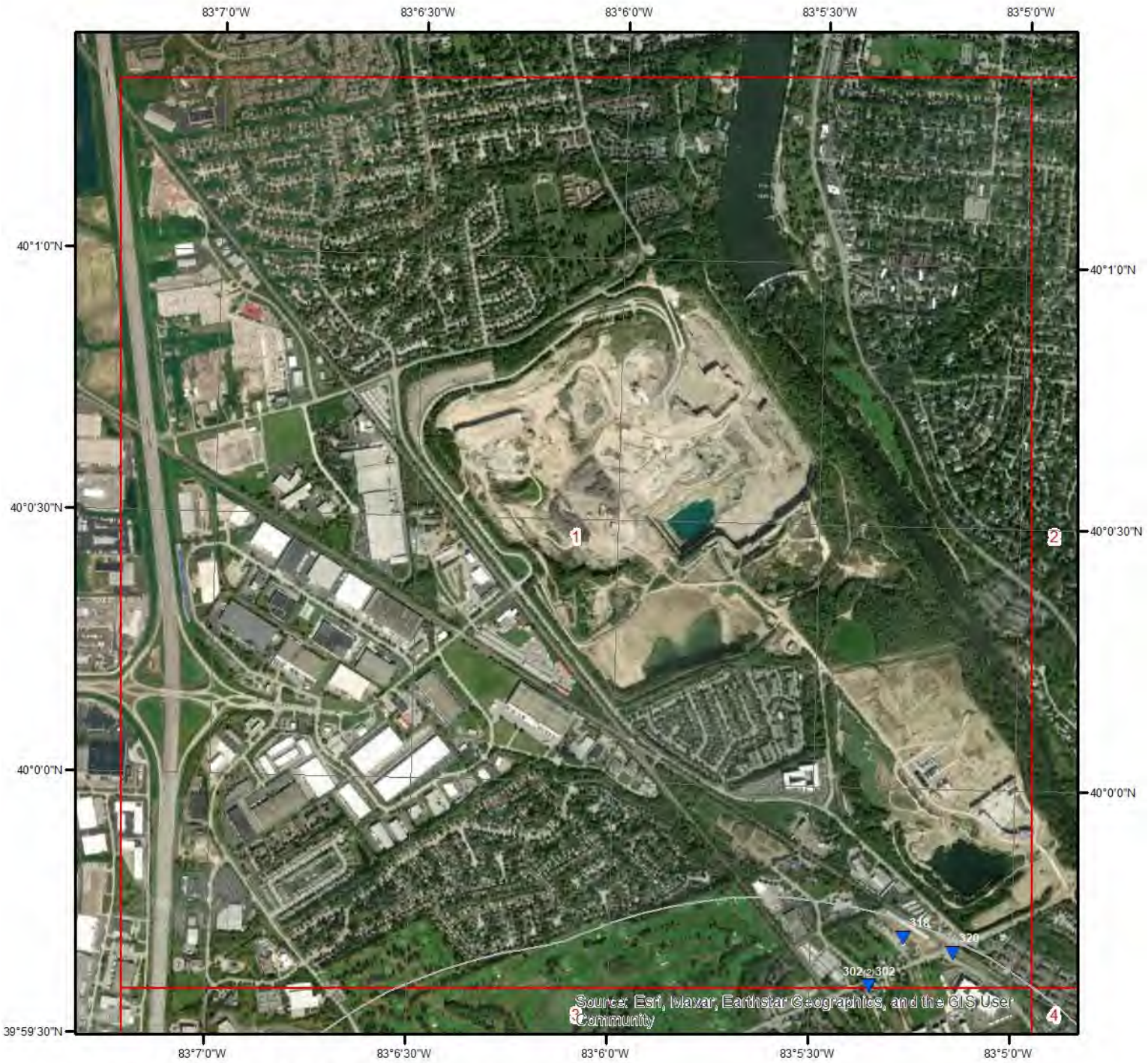
Wells and Additional Sources



Wells & Additional Sources - Page 1

Miles
0 0.15 0.3 0.6

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

ERIS

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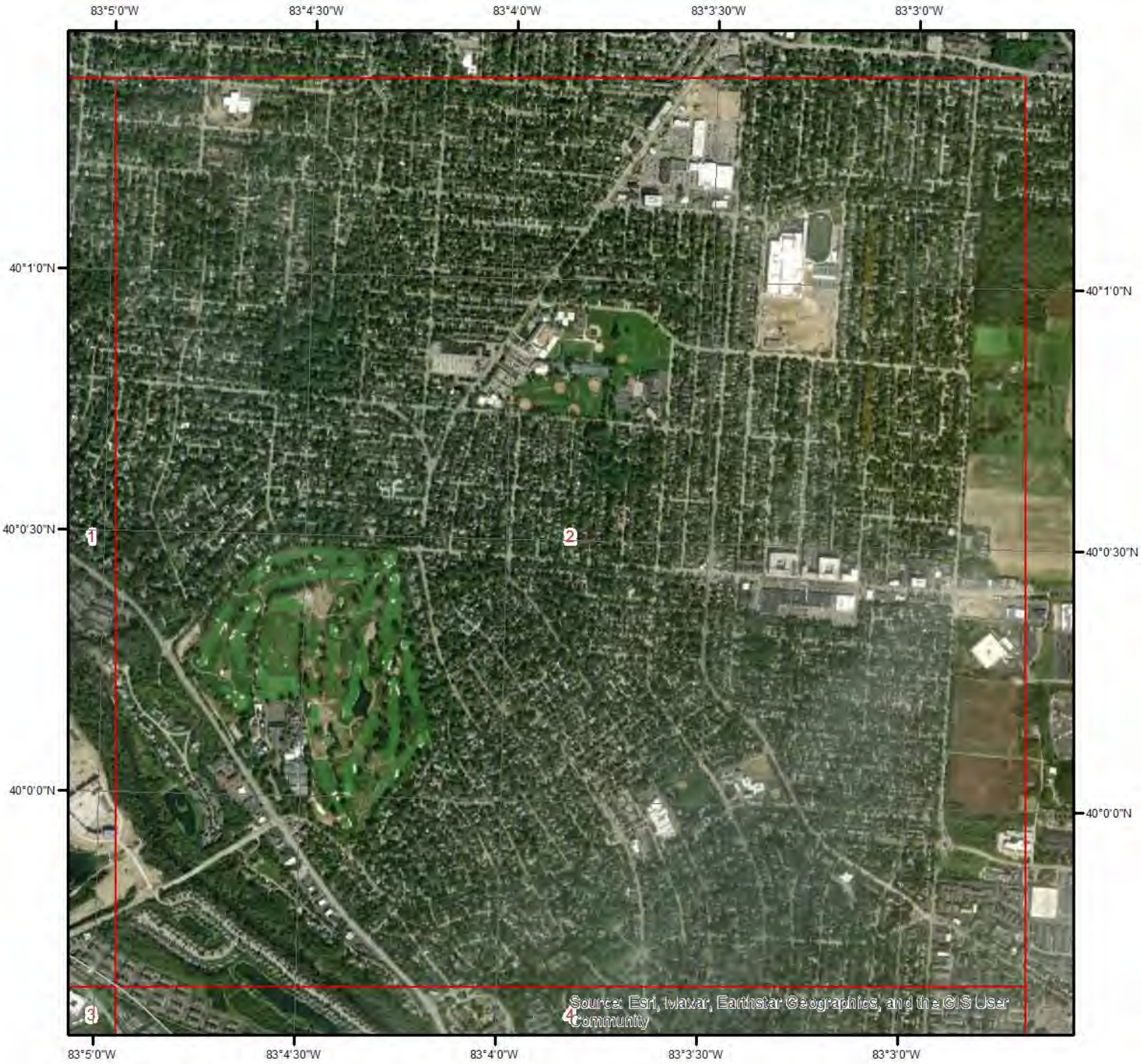
Wells and Additional Sources



Wells & Additional Sources - Page 2

N

0 0.15 0.3 0.6 Miles

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

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Wells and Additional Sources

Wells & Additional Sources - Page 3

N

0 0.15 0.3 0.6 Miles

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

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Wells and Additional Sources

Wells & Additional Sources - Page 4

Miles
0 0.15 0.3 0.6

- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation
- OGW Sites with Higher Elevation
- OGW Sites with Same Elevation
- OGW Sites with Lower Elevation
- OGW Sites with Unknown Elevation

ERIS

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Wells and Additional Sources Summary

Federal Sources

Public Water Systems Violations and Enforcement Data

Map Key	PWS ID	Distance (ft)	Direction
250	OH2538412	3484.80	NNW
321	OH2548812	5162.80	SE

Safe Drinking Water Information System (SDWIS)

Map Key	PWS ID	Distance (ft)	Direction
250	OH2538412	3484.80	NNW
316	OH2548812	5032.03	SE

USGS National Water Information System

Map Key	Site Number	Distance (ft)	Direction
237	USGS-395838083064400	3317.57	WSW
270	USGS-93904900253030	3700.20	NNW
281	USGS-395919083045700	3893.98	NE

Wells from NWIS

Map Key	ID	Distance (ft)	Direction
	No records found		

State Sources

Oil and Gas Wells

Map Key	API No	Distance (ft)	Direction
280	34049200140000	3867.95	NE

Public Water Systems

Map Key	PWS ID	Distance (ft)	Direction
317	OH2548812	5060.06	SE

Underground Injection Control Wells

Map Key	ID	Distance (ft)	Direction
	No records found		

Water Wells Log Report

Map Key	Well Log No	Distance (ft)	Direction

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Wells and Additional Sources Summary

1	41926	0.00	-
1	41933	0.00	-
2	300784	70.18	ESE
3	286288	72.70	E
4	406315	78.59	SE
5	354188	88.75	E
6	146521	98.68	E
7	385342	99.33	SSE
8	797946	116.97	SSE
9	243891	144.40	E
10	35635	184.21	SW
11	2009263	189.59	ESE
12	776913	208.84	SE
13	752894	209.39	SE
14	234496	228.76	SE
15	431460	233.62	SE
16	2061204	237.04	SW
17	1011450	242.64	E
18	346688	244.04	ESE
19	1019784	256.29	ESE
20	328951	262.72	E
21	173262	265.74	SSW
22	140255	274.55	SSW
23	647439	282.91	SW
23	114706	282.91	SW
24	156626	287.05	S
25	312146	291.97	ESE
25	208478	291.97	ESE
26	644584	296.46	SW
27	269434	301.97	SSE
28	994045	302.87	SW
29	903923	303.65	SW
30	511031	318.85	SW
30	657942	318.85	SW
31	35642	318.91	SW
32	398360	321.49	E
33	141712	327.16	E
34	251801	387.40	S
35	111237	390.13	SW
36	744222	405.72	SW
37	956232	406.43	SW
38	296307	417.20	SSW
39	165089	417.96	SSW
39	685156	417.96	SSW
40	274114	417.97	SW
41	647409	422.40	SW
41	83529	422.40	SW
42	251802	422.85	SW
43	83530	424.90	SW
44	114732	455.24	WSW
45	2061806	457.17	WSW
46	892348	476.57	SW
47	2061805	487.15	WSW
48	234526	488.04	SE
49	164811	488.79	SSE
50	286297	496.60	ESE
51	164824	498.21	ESE
52	242218	499.48	SE
53	286298	500.06	SE
54	141725	501.93	SW
55	271156	523.23	WSW
55	2061804	523.23	WSW
56	153935	528.44	ESE
57	2050921	529.75	SE
58	520952	541.13	SSE

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59	752898	547.77	SE
60	316207	548.66	ESE
61	756083	550.93	ESE
62	1007482	551.75	ESE
63	63574	557.93	S
64	644615	562.02	S
65	1004211	567.52	SE
66	63575	572.64	SW
67	80328	573.61	SSW
68	996417	586.13	SW
69	186192	593.01	WSW
70	644611	616.79	S
70	242053	616.79	S
71	952420	646.86	SE
72	716773	647.05	SE
73	274067	654.96	SE
74	257141	658.55	SSE
75	156415	670.05	SE
76	316205	680.04	ESE
77	257458	688.96	SSW
78	146513	693.82	SSW
79	428205	694.18	SSW
80	454921	696.75	SSW
80	657940	696.75	SSW
81	214975	700.56	SW
82	257122	705.72	S
83	161295	707.38	SSW
84	280332	707.91	SSE
85	234487	710.09	ESE
86	380668	714.61	SSW
87	854966	716.81	SW
88	643757	720.54	ESE
89	463630	727.60	ESE
90	111284	736.85	SW
91	131036	737.57	S
92	952421	754.62	S
93	2052596	778.05	SSE
94	243950	792.05	SW
95	644646	849.80	SSW
96	271940	854.41	S
97	2077225	854.84	S
98	88028	856.20	W
99	252616	858.92	SE
100	55867	875.30	SSE
101	156414	932.88	SW
102	406270	933.35	ESE
103	372386	955.10	SSE
104	280375	962.56	SSE
105	208383	964.85	SSE
105	135016	964.85	SSE
106	383260	965.58	SE
107	354187	986.50	SE
108	191202	1028.81	S
109	280382	1057.51	S
110	2023578	1066.38	SSE
111	731713	1083.88	SE
112	963078	1085.15	SE
113	863255	1086.65	SSE
114	296407	1086.93	S
114	191208	1086.93	S
115	385260	1087.42	SE
116	372384	1093.62	SSE
117	296306	1096.45	SE
117	372371	1096.45	SE
118	280331	1107.14	SE
119	525699	1111.55	SE

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120	191211	1127.60	S
120	347452	1127.60	S
121	330216	1133.27	SSE
122	647406	1152.89	S
123	968801	1164.89	S
124	95862	1190.33	S
125	111307	1191.17	SSW
125	255430	1191.17	SSW
126	385261	1197.91	SE
127	186195	1200.25	WNW
128	257159	1214.45	S
129	752882	1255.07	S
130	478180	1255.54	S
131	239457	1290.40	S
132	261953	1290.82	S
133	83514	1290.85	S
133	744353	1290.85	S
134	296434	1305.89	S
135	83515	1319.69	S
136	63573	1599.50	S
137	314343	1682.82	NE
138	37430	1786.41	E
139	736371	1821.82	NE
140	35636	1840.95	NW
141	2038724	1940.53	SSW
142	921984	1950.17	NNW
142	921985	1950.17	NNW
142	921983	1950.17	NNW
142	921982	1950.17	NNW
142	921988	1950.17	NNW
142	921987	1950.17	NNW
142	921986	1950.17	NNW
143	2056068	1950.33	WNW
144	2038726	1959.06	SSW
145	2038725	1962.94	SSW
146	864661	1971.49	NE
147	2008066	2011.58	SE
148	931083	2051.37	SSW
149	41911	2091.14	E
150	173683	2093.39	WNW
151	219123	2143.22	WNW
152	931082	2158.30	SSW
152	931081	2158.30	SSW
153	280406	2202.20	WNW
154	397666	2215.26	NW
155	380685	2215.69	SE
156	165158	2217.63	SE
157	948353	2220.01	WNW
158	269438	2254.62	S
159	931080	2269.21	SSW
160	229312	2272.69	WNW
161	186168	2286.08	WNW
162	219091	2319.14	WNW
163	397665	2335.63	S
164	925301	2361.66	S
165	2045494	2364.28	WNW
166	186193	2389.16	WNW
167	502773	2398.29	S
168	329311	2403.49	S
169	316206	2406.38	S
170	302215	2414.85	S
171	370574	2450.18	SSE
172	255896	2524.58	NW
173	687357	2526.62	SSE
174	186194	2549.88	WNW
175	302246	2563.07	WNW

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Wells and Additional Sources Summary

176	460443	2578.45	S
177	460426	2610.33	S
178	338706	2655.06	S
179	370586	2656.21	S
180	62965	2670.19	NNE
181	257109	2690.33	NW
181	342693	2690.33	NW
182	229336	2712.19	WNW
183	868191	2720.85	SSE
184	2067071	2723.12	SSE
185	357457	2729.98	SSE
185	639326	2729.98	SSE
186	215337	2732.08	S
187	477727	2741.30	SSE
188	2056744	2758.42	WNW
189	9925354	2771.99	NE
190	312129	2787.14	SSW
191	255900	2793.59	WNW
191	645645	2793.59	WNW
192	370575	2807.33	S
193	304220	2809.65	SSW
194	314414	2809.99	S
195	354544	2838.44	S
196	304219	2848.92	SSW
197	805878	2854.99	S
198	354546	2860.60	S
199	312094	2882.57	S
200	354526	2889.99	S
201	2025238	2894.40	S
202	296171	2913.56	WNW
203	142712	2929.84	NW
204	385303	2940.93	WNW
205	271153	2946.48	S
206	188727	2949.91	NW
207	2063522	2965.61	SSE
208	2021849	2973.84	SSW
209	304221	2974.40	S
210	2037907	2984.46	SSW
211	312093	2996.18	SSW
212	314415	3021.98	SSW
213	302241	3031.93	W
214	302230	3049.79	S
215	438493	3069.39	WNW
216	229305	3086.92	WNW
217	215334	3103.81	S
218	300780	3107.41	S
218	2009668	3107.41	S
219	228214	3141.98	W
219	228233	3141.98	W
220	559868	3144.65	WNW
221	961085	3158.68	S
221	961086	3158.68	S
221	961084	3158.68	S
221	961083	3158.68	S
222	255867	3189.11	WNW
223	287378	3192.53	W
224	821722	3207.22	S
224	821724	3207.22	S
224	821723	3207.22	S
225	854969	3221.75	W
225	859191	3221.75	W
226	339961	3222.01	S
226	314368	3222.01	S
227	326197	3246.01	WNW
228	686220	3250.20	ESE
229	257136	3253.53	NW

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230	255898	3263.29	WNW
231	862078	3277.35	NW
231	862077	3277.35	NW
232	281940	3278.71	WNW
233	907946	3279.70	WNW
234	302222	3295.46	WNW
235	284371	3309.37	W
236	63652	3312.57	ESE
238	298103	3339.67	S
239	2076181	3347.96	W
240	97230	3373.04	N
241	255893	3376.92	W
242	346524	3379.65	WNW
243	257188	3393.12	W
244	257152	3394.27	WNW
245	255894	3409.22	W
246	302223	3429.94	W
247	939917	3464.12	WNW
248	2005199	3474.68	WNW
249	255875	3477.70	W
251	284372	3491.52	WNW
252	247825	3492.54	WNW
253	229349	3503.45	WNW
254	62967	3524.72	S
255	544423	3535.08	SE
256	729407	3565.29	WNW
257	255866	3588.37	WNW
258	499375	3591.68	W
259	2029245	3594.54	W
260	941353	3607.23	WNW
261	255873	3609.31	W
262	344574	3613.34	W
263	354957	3621.14	WNW
264	335361	3647.27	SE
265	2040885	3667.75	W
266	119167	3672.91	S
267	1002361	3676.92	SE
268	296161	3690.40	SE
269	243939	3690.66	WNW
271	653728	3701.77	NW
272	618670	3716.41	SE
273	156407	3718.78	S
274	312070	3721.39	SE
275	930751	3736.25	WNW
276	326526	3766.53	SE
277	771391	3784.45	SE
278	706217	3836.42	SE
279	210148	3838.80	WNW
279	605377	3838.80	WNW
282	55860	3931.95	NW
283	229350	3934.28	WNW
284	274099	3940.53	S
285	312195	3952.84	SE
286	446116	3952.97	SSE
287	286274	3953.82	SE
288	286260	3981.97	SE
289	296326	4020.75	SE
290	9925455	4027.81	NNW
291	287388	4083.14	SSE
292	968283	4155.67	SSW
293	122722	4207.68	S
294	904778	4251.07	SW
294	904781	4251.07	SW
294	904776	4251.07	SW
294	904779	4251.07	SW
294	904777	4251.07	SW

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294	904780	4251.07	SW
295	645643	4285.70	SSW
296	274101	4306.41	SE
297	912577	4323.63	S
297	912576	4323.63	S
297	912578	4323.63	S
298	444708	4323.95	SW
299	55863	4394.87	NW
300	74411	4418.85	SE
301	2036873	4421.67	WNW
302	637934	4423.06	NNE
302	550008	4423.06	NNE
303	2036872	4445.56	WNW
304	2036645	4518.23	WNW
305	55862	4695.70	NW
306	178210	4702.33	WNW
307	930698	4759.98	S
307	930696	4759.98	S
307	930697	4759.98	S
308	63726	4768.31	SSE
309	929216	4790.21	ENE
310	2047813	4885.84	SSW
310	2047157	4885.84	SSW
311	333783	4887.64	ENE
312	566085	4897.02	SSW
313	2039382	4900.69	SSW
313	2047787	4900.69	SSW
313	2047783	4900.69	SSW
313	2047784	4900.69	SSW
313	2047786	4900.69	SSW
313	2047785	4900.69	SSW
313	2047811	4900.69	SSW
314	178209	4941.63	WNW
315	398312	5005.24	ENE
318	9925443	5072.82	NNE
319	658932	5078.38	SE
320	41927	5128.36	NNE
322	278431	5196.75	WNW
323	109584	5204.97	S

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Public Water Systems Violations and Enforcement Data

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
250	NNW	0.66	3,484.80	827.48	PWSV

Address Line 2: 3860 TRABUE RD
State Code: OH
Zip Code: 43228
City Name: COLUMBUS
Address Line 1: MANAGER
PWS ID: OH2538412
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/06/1994
Phone Number:

--Details--
Population Served Count: 100
City Served:
County Served:
State Served: OH
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
321	SE	0.98	5,162.80	793.56	PWSV

Address Line 2:
State Code: OH
Zip Code: 432041424
City Name: COLUMBUS
Address Line 1: 799 N HAGUE AVENUE
PWS ID: OH2548812
PWS Type Code: NTNCWS
PWS Type Description: Non-Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 09/06/2003
Phone Number: 614-276-3352

Wells and Additional Sources Detail Report

--Details--

Population Served Count: 90
City Served: COLUMBUS
County Served:
State Served: OH
Zip Code Served:

Safe Drinking Water Information System (SDWIS)

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
250	NNW	0.66	3,484.80	827.48	SDWIS

PWS ID: OH2538412
PWS Type: Transient non-community system
No of Facilities: 1
No of Violations: 0
No of Site Visits: 0
Cities Served: -
Counties Served: Franklin
Population Served Count: 100
Primacy Agency: Ohio
EPA Region: Region 5

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
316	SE	0.95	5,032.03	808.31	SDWIS

PWS ID: OH2548812
PWS Type: Non-Transient non-community system
No of Facilities: 3
No of Violations: 280
No of Site Visits: 7
Cities Served: COLUMBUS
Counties Served: Franklin
Population Served Count: 90
Primacy Agency: Ohio
EPA Region: Region 5

USGS National Water Information System

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
237	WSW	0.63	3,317.57	864.91	FED USGS

Reporting Agency: USGS Ohio Water Science Center
Site Number: USGS-395838083064400
Station Name: VERY LK NR COLUMBUS OH
Site Type: Lake, Reservoir, Impoundment
Latitude: 39.97728560000000

Wells and Additional Sources Detail Report

Longitude: -83.1121320000000
Date Drilled:
Well Depth:
Well Depth Unit:
Well Hole Depth:
W Hole Depth Unit:
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
270	NNW	0.70	3,700.20	831.78	FED USGS

Reporting Agency: USGS Ohio Water Science Center
Site Number: USGS-93904900253030
Station Name: FRANKLIN 00253 Aggregate GW
Site Type: Aggregate groundwater use
Latitude: 39.99027778000000
Longitude: -83.1027778000000
Date Drilled:
Well Depth:
Well Depth Unit:
Well Hole Depth:
W Hole Depth Unit:
Formation Type:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
281	NE	0.74	3,893.98	743.11	FED USGS

Reporting Agency: USGS Ohio Water Science Center
Site Number: USGS-395919083045700
Station Name: FR-22
Site Type: Well
Latitude: 39.98867487000000
Longitude: -83.0824086000000
Date Drilled: 19650130
Well Depth: 3623
Well Depth Unit: ft
Well Hole Depth: 3623
W Hole Depth Unit: ft
Formation Type:

Oil and Gas Wells

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
280	NE	0.73	3,867.95	743.07	OGW

API No: 34049200140000 County: FRANKLIN

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Wells and Additional Sources Detail Report

Well No:	1	Township:	COLUMBUS
Permit ISS:		Latitude:	39.988566440078586
Comp Date:		Longitude:	-83.0824146033856
Plug Date:	12-Feb-1965 00:00:00	BH Lat 83:	
Well Type:	OG_R	BH Long 83:	
IP Gas:		Slant:	V
IP Oil:		Prod FM1:	
Total Dept:		Prod FM2:	
Elev Gr:	688	Deepest FO:	
WL Symbol:	dry	Geo Phys Log:	
Map Symbol:	DRY HOLE	Acreage:	
Operator:	HISTORIC OWNER		
Operator Address:	2045 Morse Rd., Bldg F-2		
Operator Phone:	6148885080		
Lease Name:	MARBLE CLIFF QUARRIES		
Zip1:	43229		
Zip2:			
Well Status:	Plugged and Abandoned		
Dt Status:	12-Sep-2006 00:00:00		
Wl Permit:	0014		

Public Water Systems

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
317	SE	0.96	5,060.06	807.82	PWS

PWS ID:	OH2548812	Population:	90
PWS Status:	I	County:	FRANKLIN
System Type:	Noncommunity Nontransient	Longitude:	39.970378
Source:	GW	Latitude:	-83.081542
Latitude DMS:	-830453.55		
Longitude DMS:	395813.36		

Water Wells Log Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	-	0.00	0.00	808.92	WATER WELLS

Well Log No:	41926	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN

Wells and Additional Sources Detail Report

Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	1
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3344	Total Depth:	42
Street Name:	BROOKSIDE DR	Dt of Completion:	05/14/1948
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	810
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	809.3	Latitude:	39.981176
Case Lengt:	42	Longitude:	-83.095002
Completion:	-682732800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	BENNET,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	-	0.00	0.00	842.03	WATER WELLS

Well Log No:	41933	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	

Wells and Additional Sources Detail Report

Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	13
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:		Total Depth:	50
Street Name:	BROOKSIDE DR	Dt of Completion:	05/26/1948
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	840
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	841.2	Latitude:	39.979799
Case Lengt:	50	Longitude:	-83.100364
Completion:	-681696000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	DAILEY,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	ESE	0.01	70.18	817.31	WATER WELLS

Well Log No:	300784	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	

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Wells and Additional Sources Detail Report

Test Rate:	15	Loc Area:	
Draw Down:		S Water Level:	15
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3382	Total Depth:	46
Street Name:	BROOKSIDE BLVD	Dt of Completion:	12/04/1963
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	819
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	816.5	Latitude:	39.979846
Case Lengt:	46	Longitude:	-83.095249
Completion:	-191808000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	CONLEY, CARL		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	E	0.01	72.70	824.48	WATER WELLS

Well Log No:	286288	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	

Wells and Additional Sources Detail Report

Draw Down:		S Water Level:	60
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3296	Total Depth:	114
Street Name:	BROOKSIDE BLVD	Dt of Completion:	04/09/1964
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	818
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	824.4	Latitude:	39.98053
Case Lengt:	114	Longitude:	-83.093553
Completion:	-180835200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	SIX, FLOYD		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	SE	0.01	78.59	820.83	WATER WELLS

Well Log No:	406315	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	8	Loc Area:	
Draw Down:		S Water Level:	21

Wells and Additional Sources Detail Report

Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3408	Total Depth:	46
Street Name:	BROOKSIDE BLVD	Dt of Completion:	11/27/1970
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	820
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	819.7	Latitude:	39.97968
Case Lengt:	46	Longitude:	-83.095655
Completion:	28512000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	PENNINGTON, PHILIP		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
5	E	0.02	88.75	823.13	WATER WELLS

Well Log No:	354188	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	8	Loc Area:	
Draw Down:		S Water Level:	29
Sub Name:		S Water Meas Pt Cd:	

Wells and Additional Sources Detail Report

Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3350	Total Depth:	48
Street Name:	BROOKSIDE BLVD	Dt of Completion:	07/07/1967
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	819
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	822.6	Latitude:	39.980087
Case Lengt:	48	Longitude:	-83.094392
Completion:	-78537600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	NEELY, R		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	E	0.02	98.68	825.54	WATER WELLS

Well Log No:	146521	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	38
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	

Wells and Additional Sources Detail Report

Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3288	Total Depth:	103
Street Name:	BROOKSIDE BLVD	Dt of Completion:	09/27/1955
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	819
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	825.3	Latitude:	39.980645
Case Lengt:		Longitude:	-83.093212
Completion:	-450144000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	SIX, RICHARD		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	SSE	0.02	99.33	824.48	WATER WELLS

Well Log No:	385342	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	8	Loc Area:	
Draw Down:		S Water Level:	27
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	

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Wells and Additional Sources Detail Report

Str Direction Code:		Screen Length:	
Street No:	3420	Total Depth:	46
Street Name:	BROOKSIDE BLVD	Dt of Completion:	01/17/1970
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	820
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	824.9	Latitude:	39.97949
Case Lengt:	46	Longitude:	-83.096171
Completion:	1382400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	TAULEY, RALPH		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
8	SSE	0.02	116.97	824.79	WATER WELLS

Well Log No:	797946	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	15	Loc Area:	
Draw Down:		S Water Level:	32
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	

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Wells and Additional Sources Detail Report

Street No:	3382	Total Depth:	89
Street Name:	BROOKSIDE BLVD	Dt of Completion:	08/15/1994
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	821
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	821.3	Latitude:	39.97944
Case Lengt:	79	Longitude:	-83.09606
Completion:	776908800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	CONLEY, BETTY		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
9	E	0.03	144.40	825.34	WATER WELLS

Well Log No:	243891	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	60
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3262	Total Depth:	121

Wells and Additional Sources Detail Report

Street Name:	BROOKSIDE BLVD	Dt of Completion:	08/29/1963
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	821
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	825.4	Latitude:	39.98033
Case Lengt:	121	Longitude:	-83.09347
Completion:	-200188800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	LAND T. CONSTRUCTION,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	SW	0.03	184.21	842.84	WATER WELLS

Well Log No:	35635	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	20	Loc Area:	
Draw Down:		S Water Level:	21
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:		Total Depth:	138
Street Name:	WILSON RD	Dt of Completion:	04/21/1949

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Wells and Additional Sources Detail Report

Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	131
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	840
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	843.2	Latitude:	39.978635
Case Lengt:		Longitude:	-83.099478
Completion:	-653184000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	LATHAM, HUGH		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
11	ESE	0.04	189.59	820.03	WATER WELLS

Well Log No:	2009263	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	20	Loc Area:	
Draw Down:		S Water Level:	20
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3309	Total Depth:	52
Street Name:	BROOKSIDE BLVD	Dt of Completion:	03/28/2007
Street Type Code:		Located Ind:	

Wells and Additional Sources Detail Report

Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	47
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	823
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	820	Latitude:	39.97994
Case Lengt:	48	Longitude:	-83.09394
Completion:	1175040000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	BUYERS INC., FIRST TIME		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	SE	0.04	208.84	824.78	WATER WELLS

Well Log No:	776913	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	15	Loc Area:	
Draw Down:		S Water Level:	25
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3365	Total Depth:	74
Street Name:	BROOKSIDE BLVD	Dt of Completion:	09/02/1993
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	

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Wells and Additional Sources Detail Report

Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	825
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	824.8	Latitude:	39.9793
Case Lengt:	64	Longitude:	-83.09562
Completion:	746928000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	CONLEY, BETTY		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
13	SE	0.04	209.39	823.61	WATER WELLS

Well Log No:	752894	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	CABLE TOOL	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	20	Loc Area:	
Draw Down:		S Water Level:	18
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3343	Total Depth:	52
Street Name:	BROOKSIDE BLVD	Dt of Completion:	11/10/1992
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	

Wells and Additional Sources Detail Report

City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	825
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	822.4	Latitude:	39.97943
Case Lengt:	52	Longitude:	-83.09524
Completion:	721353600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	WALLACE, SHIRLEY		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	SE	0.04	228.76	823.61	WATER WELLS

Well Log No:	234496	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	12	Loc Area:	
Draw Down:		S Water Level:	19
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3403	Total Depth:	61
Street Name:	BROOKSIDE BLVD	Dt of Completion:	08/17/1960
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	

Wells and Additional Sources Detail Report

State Code:		Water Level El:	826
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	824.4	Latitude:	39.979371
Case Lengt:	61	Longitude:	-83.095242
Completion:	-295833600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	BRAGG, JAMES		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
15	SE	0.04	233.62	824.40	WATER WELLS

Well Log No:	431460	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	8	Loc Area:	
Draw Down:		S Water Level:	19
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3411	Total Depth:	111
Street Name:	BROOKSIDE BLVD	Dt of Completion:	04/03/1975
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	827

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Wells and Additional Sources Detail Report

Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	825	Latitude:	39.979285
Case Lengt:	111	Longitude:	-83.095448
Completion:	165715200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	IRWIN, HOWARD		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
16	SW	0.04	237.04	843.36	WATER WELLS

Well Log No:	2061204	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	MUD/AIR ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	20	Loc Area:	
Draw Down:		S Water Level:	48
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3550	Total Depth:	190
Street Name:	BROOKSIDE BLVD	Dt of Completion:	01/18/2017
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	140
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	869
Zip:		Well Drilled By:	

Wells and Additional Sources Detail Report

Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:		Latitude:	39.97843
Case Lengt:	145	Longitude:	-83.09961
Completion:	1484697600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	LOPEZ, JOSE		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
17	E	0.05	242.64	824.48	WATER WELLS

Well Log No:	1011450	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:		Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	30	Loc Area:	
Draw Down:		S Water Level:	41
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3281	Total Depth:	109
Street Name:	BROOKSIDE	Dt of Completion:	08/10/2009
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	822
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	

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Wells and Additional Sources Detail Report

Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	824.3	Latitude:	39.98012
Case Lengt:	109	Longitude:	-83.09325
Completion:	1249862400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	PEREZ, FRANCISCO		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
18	ESE	0.05	244.04	821.20	WATER WELLS

Well Log No:	346688	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	14
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3309	Total Depth:	44
Street Name:	BROOKSIDE BLVD	Dt of Completion:	06/13/1967
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	824
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	

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Wells and Additional Sources Detail Report

Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	820.8	Latitude:	39.979801
Case Lengt:	44	Longitude:	-83.093868
Completion:	-80611200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	FRABOTT, CARL		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	ESE	0.05	256.29	824.68	WATER WELLS

Well Log No:	1019784	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	CABLE TOOL	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	12	Loc Area:	
Draw Down:		S Water Level:	35
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3351	Total Depth:	59
Street Name:	BROOKSIDE BLVD	Dt of Completion:	01/23/2017
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	828
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	

Wells and Additional Sources Detail Report

Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:		Latitude:	39.979514
Case Lengt:	56	Longitude:	-83.09459
Completion:	1485129600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	WALLACE, DIANE		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
20	E	0.05	262.72	824.54	WATER WELLS

Well Log No:	328951	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	20	Loc Area:	
Draw Down:		S Water Level:	20
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3289	Total Depth:	68
Street Name:	BROOKSIDE BLVD	Dt of Completion:	01/13/1965
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	65
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	823
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	

Wells and Additional Sources Detail Report

Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	824.4	Latitude:	39.980018
Case Lengt:	64	Longitude:	-83.093303
Completion:	-156729600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	URBAN, FLORENCE		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
21	SSW	0.05	265.74	833.13	WATER WELLS

Well Log No:	173262	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	35
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3460	Total Depth:	68
Street Name:	BROOKSIDE BLVD	Dt of Completion:	06/13/1956
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	48
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	830
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	

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Wells and Additional Sources Detail Report

Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	832.7	Latitude:	39.979122
Case Lengt:	48	Longitude:	-83.09737
Completion:	-427680000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	HORSLEY, SHERMAN		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
22	SSW	0.05	274.55	838.73	WATER WELLS

Well Log No:	140255	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	30
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3468	Total Depth:	58
Street Name:	BROOKSIDE BLVD	Dt of Completion:	09/21/1954
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	35
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	837
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	

Wells and Additional Sources Detail Report

Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	838.3	Latitude:	39.978994
Case Lengt:	52	Longitude:	-83.097662
Completion:	-482198400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	JENKIN, GERMAN		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
23	SW	0.05	282.91	843.16	WATER WELLS

Well Log No:	647439	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	71
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3566	Total Depth:	199
Street Name:	BROOKSIDE BLVD	Dt of Completion:	07/28/1989
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	186
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	843
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	

Wells and Additional Sources Detail Report

Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	843.3	Latitude:	39.978181
Case Lengt:	186	Longitude:	-83.099956
Completion:	617587200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	SCHIRTZINGER, JAMES		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
23	SW	0.05	282.91	843.16	WATER WELLS

Well Log No:	114706	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	12
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3566	Total Depth:	160
Street Name:	BROOKSIDE BLVD	Dt of Completion:	09/11/1953
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	843
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	

Wells and Additional Sources Detail Report

Sustained Yield:		Horiz Datum Code:	
Dem Elev:	843.3	Latitude:	39.978181
Case Lengt:	160	Longitude:	-83.099956
Completion:	-514598400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	SHIRTZINGER,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
24	S	0.05	287.05	828.29	WATER WELLS

Well Log No:	156626	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	20
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:		Total Depth:	44
Street Name:	BROOKSIDE BLVD	Dt of Completion:	06/15/1955
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	823
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	

Wells and Additional Sources Detail Report

Dem Elev:	827.7	Latitude:	39.979226
Case Lengt:	44	Longitude:	-83.096886
Completion:	-459129600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	YOUNG, SAM		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
25	ESE	0.06	291.97	823.20	WATER WELLS

Well Log No:	312146	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	8	Loc Area:	
Draw Down:		S Water Level:	20
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3295	Total Depth:	54
Street Name:	BROOKSIDE BLVD	Dt of Completion:	07/05/1966
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	823
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	823.5	Latitude:	39.979878

Wells and Additional Sources Detail Report

Case Lengt:	54	Longitude:	-83.093366
Completion:	-110246400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	SADLER, JOE		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
25	ESE	0.06	291.97	823.20	WATER WELLS

Well Log No:	208478	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	18
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3295	Total Depth:	51
Street Name:	BROOKSIDE BLVD	Dt of Completion:	09/23/1959
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	823
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	823.5	Latitude:	39.979878
Case Lengt:	51	Longitude:	-83.093366

Wells and Additional Sources Detail Report

Completion:	-324259200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	SADLER, JOE		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
26	SW	0.06	296.46	843.24	WATER WELLS

Well Log No:	644584	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	20	Loc Area:	
Draw Down:		S Water Level:	45
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3580	Total Depth:	182
Street Name:	BROOKSIDE BLVD	Dt of Completion:	01/24/1984
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	165
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	842
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	843.3	Latitude:	39.978116
Case Lengt:	172	Longitude:	-83.100166
Completion:	443750400000	Changed By:	

Wells and Additional Sources Detail Report

Draw Down Test Dur:
Sec Owner Name: SADLER, JOE
Comments:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
27	SSE	0.06	301.97	827.27	WATER WELLS

Well Log No:	269434	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	20	Loc Area:	
Draw Down:		S Water Level:	19
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3419	Total Depth:	115
Street Name:	BROOKSIDE BLVD	Dt of Completion:	06/13/1962
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	828
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	826.5	Latitude:	39.978979
Case Lengt:	115	Longitude:	-83.095745
Completion:	-238377600000	Changed By:	
Draw Down Test Dur:			

Wells and Additional Sources Detail Report

Sec Owner Name: HOLT, ELLIS
Comments:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
28	SW	0.06	302.87	842.98	WATER WELLS

Well Log No:	994045	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	30	Loc Area:	
Draw Down:		S Water Level:	70
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3558	Total Depth:	158
Street Name:	BROOKSIDE BLVD	Dt of Completion:	09/28/2005
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	153
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	843
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	842.9	Latitude:	39.97819
Case Lengt:	158	Longitude:	-83.09973
Completion:	1127865600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	ESTEP, ROBERT		

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Wells and Additional Sources Detail Report

Comments:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
29	SW	0.06	303.65	841.61	WATER WELLS

Well Log No:	903923	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	20	Loc Area:	
Draw Down:		S Water Level:	75
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3522	Total Depth:	147
Street Name:	BROOKSIDE BLVD	Dt of Completion:	11/17/1999
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	126
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	842
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	841.9	Latitude:	39.97849
Case Lengt:	130	Longitude:	-83.09886
Completion:	942796800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	GOWER, GEORGE		
Comments:			

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
30	SW	0.06	318.85	844.46	WATER WELLS

Well Log No:	511031	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	15	Loc Area:	
Draw Down:		S Water Level:	33
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3586	Total Depth:	173
Street Name:	BROOKSIDE BLVD	Dt of Completion:	05/11/1977
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	152
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	841
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	844.5	Latitude:	39.978066
Case Lengt:	160	Longitude:	-83.100426
Completion:	232156800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	FRANK, JOHN		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

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Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
30	SW	0.06	318.85	844.46	WATER WELLS

Well Log No:	657942	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	20	Loc Area:	
Draw Down:		S Water Level:	40
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3586	Total Depth:	168
Street Name:	BROOKSIDE BLVD	Dt of Completion:	09/10/1986
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	157
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	841
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	844.5	Latitude:	39.978066
Case Lengt:	160	Longitude:	-83.100426
Completion:	526694400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	FRANK, JOHN		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
31	SW	0.06	318.91	843.42	WATER WELLS

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Wells and Additional Sources Detail Report

Well Log No:	35642	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	20	Loc Area:	
Draw Down:		S Water Level:	16
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:		Total Depth:	67
Street Name:	WILSON RD	Dt of Completion:	10/10/1949
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	841
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	843.5	Latitude:	39.978178
Case Lengt:	67	Longitude:	-83.100817
Completion:	-638323200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	HUMPHREY,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
32	E	0.06	321.49	824.91	WATER WELLS

Wells and Additional Sources Detail Report

Well Log No:	398360	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	8	Loc Area:	
Draw Down:		S Water Level:	52
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3273	Total Depth:	112
Street Name:	BROOKSIDE BLVD	Dt of Completion:	03/03/1970
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	823
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	825.2	Latitude:	39.980056
Case Lengt:	112	Longitude:	-83.0929
Completion:	5270400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	MOORE, E		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
33	E	0.06	327.16	825.18	WATER WELLS

Well Log No:	141712	Pump Type:	

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Wells and Additional Sources Detail Report

Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	50
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3255	Total Depth:	114
Street Name:	BROOKSIDE BLVD	Dt of Completion:	11/05/1954
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	823
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	825.4	Latitude:	39.980272
Case Lengt:	114	Longitude:	-83.092509
Completion:	-478310400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	DINARDS, VINCENT		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
34	S	0.07	387.40	832.65	WATER WELLS

Well Log No:	251801	Pump Type:	
Permit No:		Pump Capacity:	

Wells and Additional Sources Detail Report

Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	25	Loc Area:	
Draw Down:		S Water Level:	17
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3437	Total Depth:	53
Street Name:	BROOKSIDE BLVD	Dt of Completion:	05/18/1960
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	831
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	833	Latitude:	39.97887
Case Lengt:	53	Longitude:	-83.09687
Completion:	-303696000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	HAKES, CHARLES		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
35	SW	0.07	390.13	844.76	WATER WELLS

Well Log No:	111237	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	

Wells and Additional Sources Detail Report

Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	15
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3590	Total Depth:	44
Street Name:	BROOKSIDE DR	Dt of Completion:	08/19/1953
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	841
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	844.9	Latitude:	39.977951
Case Lengt:	44	Longitude:	-83.1008
Completion:	-516585600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	WOODS, JOHN		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
36	SW	0.08	405.72	843.25	WATER WELLS

Well Log No:	744222	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	

Wells and Additional Sources Detail Report

Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	21
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3590	Total Depth:	71
Street Name:	BROOKSIDE	Dt of Completion:	03/24/1992
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	841
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	843.9	Latitude:	39.97786
Case Lengt:	61	Longitude:	-83.10064
Completion:	701395200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	M.O.R.P.C. PAUL BRUN,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
37	SW	0.08	406.43	843.88	WATER WELLS

Well Log No:	956232	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	

Wells and Additional Sources Detail Report

Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:		Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	30	Loc Area:	
Draw Down:		S Water Level:	21
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3563	Total Depth:	52
Street Name:	BROOKSIDE BLVD	Dt of Completion:	04/24/2003
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	842
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	844	Latitude:	39.97789
Case Lengt:	46	Longitude:	-83.0997
Completion:	1051142400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	MAY, RON		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
38	SSW	0.08	417.20	840.57	WATER WELLS

Well Log No:	296307	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	

Wells and Additional Sources Detail Report

Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3523	Total Depth:	63
Street Name:	BROOKSIDE BLVD	Dt of Completion:	09/26/1963
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	841
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	840.5	Latitude:	39.978263
Case Lengt:	63	Longitude:	-83.098529
Completion:	-197769600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	PENNINGTON, PHILIP		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
39	SSW	0.08	417.96	837.88	WATER WELLS

Well Log No:	165089	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	

Wells and Additional Sources Detail Report

Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	7	Loc Area:	
Draw Down:		S Water Level:	32
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3469	Total Depth:	48
Street Name:	BROOKSIDE BLVD	Dt of Completion:	08/11/1959
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	842
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	837.6	Latitude:	39.978619
Case Lengt:	48	Longitude:	-83.097498
Completion:	-327974400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	LESTER,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
39	SSW	0.08	417.96	837.88	WATER WELLS

Well Log No:	685156	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	

Wells and Additional Sources Detail Report

Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	34
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3469	Total Depth:	100
Street Name:	BROOKSIDE BLVD	Dt of Completion:	06/30/1988
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	50
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	842
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	837.6	Latitude:	39.978619
Case Lengt:	65	Longitude:	-83.097498
Completion:	583632000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	HICKMAN, ALDIE		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
40	SW	0.08	417.97	844.19	WATER WELLS

Well Log No:	274114	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	

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Wells and Additional Sources Detail Report

Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	15	Loc Area:	
Draw Down:		S Water Level:	23
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3563	Total Depth:	52
Street Name:	BROOKSIDE BLVD	Dt of Completion:	02/02/1963
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	842
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	844	Latitude:	39.977844
Case Lengt:	52	Longitude:	-83.099743
Completion:	-218160000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	HAMMACK, HAROLD		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
41	SW	0.08	422.40	841.21	WATER WELLS

Well Log No:	647409	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN

Wells and Additional Sources Detail Report

Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	16	Loc Area:	
Draw Down:		S Water Level:	91
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3547	Total Depth:	199
Street Name:	BROOKSIDE BLVD	Dt of Completion:	08/09/1984
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	175
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	842
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	840.9	Latitude:	39.978084
Case Lengt:	181	Longitude:	-83.098999
Completion:	460857600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	JUSTUS, GLADYS		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
41	SW	0.08	422.40	841.21	WATER WELLS

Well Log No:	83529	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	

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Wells and Additional Sources Detail Report

Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	37
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3547	Total Depth:	55
Street Name:	BROOKSIDE BLVD	Dt of Completion:	05/16/1955
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	842
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	840.9	Latitude:	39.978084
Case Lengt:	55	Longitude:	-83.098999
Completion:	-461721600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	JUSTUS, HARRY		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
42	SW	0.08	422.85	840.54	WATER WELLS

Well Log No:	251802	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	

Wells and Additional Sources Detail Report

Test Rate:	15	Loc Area:	
Draw Down:		S Water Level:	45
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3531	Total Depth:	198
Street Name:	BROOKSIDE BLVD	Dt of Completion:	09/08/1960
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	163
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	842
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	840.7	Latitude:	39.978173
Case Lengt:	190	Longitude:	-83.098739
Completion:	-293932800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	SEAGRAVES, J		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
43	SW	0.08	424.90	842.83	WATER WELLS

Well Log No:	83530	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	

Wells and Additional Sources Detail Report

Draw Down:		S Water Level:	48
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3553	Total Depth:	161
Street Name:	BROOKSIDE BLVD	Dt of Completion:	05/28/1955
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	843
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	842.7	Latitude:	39.977959
Case Lengt:	161	Longitude:	-83.099337
Completion:	-460684800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	EDGAR, MICHALL		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
44	WSW	0.09	455.24	842.73	WATER WELLS

Well Log No:	114732	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	34

Wells and Additional Sources Detail Report

Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1204	Total Depth:	50
Street Name:	WILSON RD	Dt of Completion:	04/14/1954
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	841
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	842.7	Latitude:	39.978036
Case Lengt:	51	Longitude:	-83.101368
Completion:	-496022400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	FOSTER,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
45	WSW	0.09	457.17	842.73	WATER WELLS

Well Log No:	2061806	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	DIRECT PUSH	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	15.7
Sub Name:		S Water Meas Pt Cd:	

Wells and Additional Sources Detail Report

Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1188	Total Depth:	24
Street Name:	WILSON RD	Dt of Completion:	03/15/2017
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:		Latitude:	39.97799
Case Lengt:	14	Longitude:	-83.101314
Completion:	1489536000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	UNITED DAIRY FARMERS,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
46	SW	0.09	476.57	842.89	WATER WELLS

Well Log No:	892348	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	18	Loc Area:	
Draw Down:		S Water Level:	24
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	

Wells and Additional Sources Detail Report

Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3585	Total Depth:	36
Street Name:	BROOKSIDE BLVD	Dt of Completion:	06/01/2000
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	841
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	843	Latitude:	39.97763
Case Lengt:	37	Longitude:	-83.10044
Completion:	959817600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	HUNTER , BOB		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
47	WSW	0.09	487.15	842.16	WATER WELLS

Well Log No:	2061805	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	DIRECT PUSH	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	14
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	

Wells and Additional Sources Detail Report

Str Direction Code:		Screen Length:	
Street No:	1188	Total Depth:	20
Street Name:	WILSON RD	Dt of Completion:	03/15/2017
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:		Latitude:	39.977979
Case Lengt:	10	Longitude:	-83.101455
Completion:	1489536000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	UNITED DAIRY FARMERS,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
48	SE	0.09	488.04	831.40	WATER WELLS

Well Log No:	234526	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	7	Loc Area:	
Draw Down:		S Water Level:	24
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	

Wells and Additional Sources Detail Report

Street No:	3364	Total Depth:	92
Street Name:	DOVER RD	Dt of Completion:	09/04/1959
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	831
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	831.7	Latitude:	39.978642
Case Lengt:	92	Longitude:	-83.095093
Completion:	-325900800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	BIGGS, RICHARD		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
49	SSE	0.09	488.79	831.27	WATER WELLS

Well Log No:	164811	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	22
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3382	Total Depth:	62

Wells and Additional Sources Detail Report

Street Name:	DOVER RD	Dt of Completion:	02/29/1956
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	832
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	831.4	Latitude:	39.978567
Case Lengt:	62	Longitude:	-83.095303
Completion:	-436752000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	BLAKE, GERALD		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
50	ESE	0.09	496.60	823.55	WATER WELLS

Well Log No:	286297	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	12
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3270	Total Depth:	56
Street Name:	DOVER RD	Dt of Completion:	07/14/1964

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Wells and Additional Sources Detail Report

Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	826
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	823.5	Latitude:	39.979391
Case Lengt:	56	Longitude:	-83.09299
Completion:	-172540800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	ROGER, JOHN		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
51	ESE	0.09	498.21	823.22	WATER WELLS

Well Log No:	164824	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	10
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3300	Total Depth:	59
Street Name:	DOVER RD	Dt of Completion:	06/02/1956
Street Type Code:		Located Ind:	

Wells and Additional Sources Detail Report

Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	827
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	823.1	Latitude:	39.979138
Case Lengt:	59	Longitude:	-83.093573
Completion:	-428630400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	MAYES, HARRY		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
52	SE	0.09	499.48	825.66	WATER WELLS

Well Log No:	242218	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	12
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3350	Total Depth:	54
Street Name:	DOVER RD	Dt of Completion:	04/26/1990
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	

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Wells and Additional Sources Detail Report

Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	830
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	825.7	Latitude:	39.978821
Case Lengt:	54	Longitude:	-83.094477
Completion:	641088000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	FOWLER, LAWRENCE		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
53	SE	0.09	500.06	830.75	WATER WELLS

Well Log No:	286298	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	20
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3358	Total Depth:	81
Street Name:	DOVER RD	Dt of Completion:	07/14/1964
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	

Wells and Additional Sources Detail Report

City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	831
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	831.1	Latitude:	39.978707
Case Lengt:	81	Longitude:	-83.094801
Completion:	-172540800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	L & T CONSTRUCTION,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
54	SW	0.10	501.93	843.32	WATER WELLS

Well Log No:	141725	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	17
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3591	Total Depth:	33
Street Name:	BROOKSIDE BLVD	Dt of Completion:	12/03/1954
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	

Wells and Additional Sources Detail Report

State Code:		Water Level El:	842
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	843.4	Latitude:	39.977563
Case Lengt:	33	Longitude:	-83.100472
Completion:	-475891200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	WHITE,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
55	WSW	0.10	523.23	841.59	WATER WELLS

Well Log No:	271156	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	5	Loc Area:	
Draw Down:		S Water Level:	16
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1194	Total Depth:	43
Street Name:	WILSON RD	Dt of Completion:	12/21/1961
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	841

Wells and Additional Sources Detail Report

Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	841.9	Latitude:	39.97789
Case Lengt:	42	Longitude:	-83.10153
Completion:	-253411200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	STICKLER,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
55	WSW	0.10	523.23	841.59	WATER WELLS

Well Log No:	2061804	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	DIRECT PUSH	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	15.8
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1188	Total Depth:	22
Street Name:	WILSON RD	Dt of Completion:	03/15/2017
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	
Zip:		Well Drilled By:	

Wells and Additional Sources Detail Report

Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:		Latitude:	39.977897
Case Lengt:	12	Longitude:	-83.101521
Completion:	1489536000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	UNITED DAIRY FARMERS,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
56	ESE	0.10	528.44	823.72	WATER WELLS

Well Log No:	153935	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	18	Loc Area:	
Draw Down:		S Water Level:	24
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3266	Total Depth:	97
Street Name:	DOVER RD	Dt of Completion:	05/18/1957
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	50
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	825
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	

Wells and Additional Sources Detail Report

Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	823.6	Latitude:	39.979456
Case Lengt:	51	Longitude:	-83.092698
Completion:	-398390400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	HARDY, JOHN		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
57	SE	0.10	529.75	825.61	WATER WELLS

Well Log No:	2050921	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	50	Loc Area:	
Draw Down:		S Water Level:	22
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3350	Total Depth:	68
Street Name:	DOVER RD	Dt of Completion:	01/19/2015
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	850
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	

Wells and Additional Sources Detail Report

Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	825.3	Latitude:	39.97876
Case Lengt:	68	Longitude:	-83.09439
Completion:	1421625600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	COWGILL, KAREN		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
58	SSE	0.10	541.13	833.24	WATER WELLS

Well Log No:	520952	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	15	Loc Area:	
Draw Down:		S Water Level:	40
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3410	Total Depth:	106
Street Name:	DOVER RD	Dt of Completion:	08/01/1977
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	833
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	

Wells and Additional Sources Detail Report

Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	833.7	Latitude:	39.978275
Case Lengt:	106	Longitude:	-83.096017
Completion:	239241600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	MILL, BILL		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
59	SE	0.10	547.77	824.95	WATER WELLS

Well Log No:	752898	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	CABLE TOOL	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	30
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3330	Total Depth:	63
Street Name:	DOVER RD	Dt of Completion:	12/07/1992
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	830
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	

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Wells and Additional Sources Detail Report

Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	825.1	Latitude:	39.97873
Case Lengt:	63	Longitude:	-83.09432
Completion:	723686400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	MEADORS, LEROY		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
60	ESE	0.10	548.66	823.50	WATER WELLS

Well Log No:	316207	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	50
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3254	Total Depth:	74
Street Name:	DOVER RD	Dt of Completion:	10/24/1964
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	824
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	

Wells and Additional Sources Detail Report

Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	823.4	Latitude:	39.97957
Case Lengt:	74	Longitude:	-83.092392
Completion:	-163728000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	JENKINS, WITHROW		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
61	ESE	0.10	550.93	823.04	WATER WELLS

Well Log No:	756083	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	8	Loc Area:	
Draw Down:		S Water Level:	60
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3296	Total Depth:	165
Street Name:	DOVER RD	Dt of Completion:	08/10/1992
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	51
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	827
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	

Wells and Additional Sources Detail Report

Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	823.1	Latitude:	39.97906
Case Lengt:	57	Longitude:	-83.09334
Completion:	713404800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	WOTRING, PHYLLIS		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
62	ESE	0.10	551.75	822.86	WATER WELLS

Well Log No:	1007482	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	8	Loc Area:	
Draw Down:		S Water Level:	30
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3284	Total Depth:	142
Street Name:	DOVE RD	Dt of Completion:	06/15/2007
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	80
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	826
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	

Wells and Additional Sources Detail Report

Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	822.9	Latitude:	39.97915
Case Lengt:	82	Longitude:	-83.0931
Completion:	1181865600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	WATRING, MIKE		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
63	S	0.11	557.93	836.51	WATER WELLS

Well Log No:	63574	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	15
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:		Total Depth:	30
Street Name:	DOVER RD	Dt of Completion:	06/30/1950
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	838
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	

Wells and Additional Sources Detail Report

Sustained Yield:		Horiz Datum Code:	
Dem Elev:	836	Latitude:	39.978289
Case Lengt:	30	Longitude:	-83.096671
Completion:	-615600000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	FIELD, CHESTER		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
64	S	0.11	562.02	834.84	WATER WELLS

Well Log No:	644615	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	20	Loc Area:	
Draw Down:		S Water Level:	33
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3416	Total Depth:	120
Street Name:	DOVER RD	Dt of Completion:	09/10/1984
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	835
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	

Wells and Additional Sources Detail Report

Dem Elev:	834.2	Latitude:	39.978221
Case Lengt:	120	Longitude:	-83.096274
Completion:	463622400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	DAVIS, CARMELIA		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
65	SE	0.11	567.52	829.35	WATER WELLS

Well Log No:	1004211	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:		Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	40	Loc Area:	
Draw Down:		S Water Level:	30
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3358	Total Depth:	90
Street Name:	DOVER RD	Dt of Completion:	06/15/2007
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	831
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	830.5	Latitude:	39.978533

Wells and Additional Sources Detail Report

Case Lengt:	90	Longitude:	-83.094717
Completion:	1181865600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	DAVIS, JAMES		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
66	SW	0.11	572.64	842.26	WATER WELLS

Well Log No:	63575	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	15
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:		Total Depth:	30
Street Name:	DOVER RD	Dt of Completion:	07/01/1950
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	842
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	842.1	Latitude:	39.977373
Case Lengt:	30	Longitude:	-83.099934

Wells and Additional Sources Detail Report

Completion:	-615513600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	PIERSON, HARRY		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
67	SSW	0.11	573.61	842.13	WATER WELLS

Well Log No:	80328	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	37
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3447	Total Depth:	63
Street Name:	DOVER RD	Dt of Completion:	
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	842
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	842.4	Latitude:	39.977648
Case Lengt:	63	Longitude:	-83.098943
Completion:		Changed By:	

Wells and Additional Sources Detail Report

Draw Down Test Dur:
Sec Owner Name: JENKINS, JAMES
Comments:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
68	SW	0.11	586.13	842.26	WATER WELLS

Well Log No:	996417	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:		Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	20	Loc Area:	
Draw Down:		S Water Level:	66
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3520	Total Depth:	194
Street Name:	DOVER	Dt of Completion:	12/14/2005
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	842
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	842.4	Latitude:	39.97733
Case Lengt:	195	Longitude:	-83.09999
Completion:	1134518400000	Changed By:	
Draw Down Test Dur:			

Wells and Additional Sources Detail Report

Sec Owner Name: BOWMAN, HELEN
Comments:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
69	WSW	0.11	593.01	834.95	WATER WELLS

Well Log No:	186192	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	28
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1231	Total Depth:	81
Street Name:	WILSON RD	Dt of Completion:	05/25/1959
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	63
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	837
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	835.5	Latitude:	39.97857
Case Lengt:	63	Longitude:	-83.10234
Completion:	-334713600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	CONLEY, RAY		

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Wells and Additional Sources Detail Report

Comments:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
70	S	0.12	616.79	835.88	WATER WELLS

Well Log No:	644611	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	5	Loc Area:	
Draw Down:		S Water Level:	45
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3422	Total Depth:	122
Street Name:	DOVER RD	Dt of Completion:	08/30/1984
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	69
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	837
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	835.6	Latitude:	39.978097
Case Lengt:	75	Longitude:	-83.096533
Completion:	462672000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	HARDEN, DONALD		
Comments:			

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
70	S	0.12	616.79	835.88	WATER WELLS

Well Log No:	242053	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	25
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3422	Total Depth:	50
Street Name:	DOVER RD	Dt of Completion:	10/22/1959
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	837
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	835.6	Latitude:	39.978097
Case Lengt:	50	Longitude:	-83.096533
Completion:	-321753600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	WILSON, OLIVER		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Wells and Additional Sources Detail Report

71	SE	0.12	646.86	823.13	WATER WELLS

Well Log No:	952420	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	20	Loc Area:	
Draw Down:		S Water Level:	35
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3313	Total Depth:	90
Street Name:	DOVER RD	Dt of Completion:	10/01/2002
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	66
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	828
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	823	Latitude:	39.97874
Case Lengt:	70	Longitude:	-83.09343
Completion:	1033430400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	BARNES, BRUCE		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
72	SE	0.12	647.05	826.00	WATER WELLS

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Wells and Additional Sources Detail Report

Well Log No:	716773	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	20
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3329	Total Depth:	66
Street Name:	DOVER RD	Dt of Completion:	09/28/1990
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	63
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	830
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	825.5	Latitude:	39.97849
Case Lengt:	56	Longitude:	-83.09415
Completion:	654480000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	HAY, KENNETH		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
73	SE	0.12	654.96	824.68	WATER WELLS

Wells and Additional Sources Detail Report

Well Log No:	274067	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	15	Loc Area:	
Draw Down:		S Water Level:	15
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3329	Total Depth:	48
Street Name:	DOVER RD	Dt of Completion:	07/31/1962
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	829
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	824.9	Latitude:	39.978549
Case Lengt:	48	Longitude:	-83.093911
Completion:	-234230400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	KESTERSON, ROBERT		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
74	SSE	0.12	658.55	831.53	WATER WELLS

Well Log No:	257141	Pump Type:	

Wells and Additional Sources Detail Report

Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	25
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3379	Total Depth:	65
Street Name:	DOVER RD	Dt of Completion:	10/03/1961
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	833
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	831.8	Latitude:	39.978129
Case Lengt:	65	Longitude:	-83.095092
Completion:	-260236800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	DELONG, FRANK		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
75	SE	0.13	670.05	826.00	WATER WELLS

Well Log No:	156415	Pump Type:	
Permit No:		Pump Capacity:	

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Wells and Additional Sources Detail Report

Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	14
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3335	Total Depth:	82
Street Name:	DOVER RD	Dt of Completion:	11/01/1955
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	68
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	830
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	826.4	Latitude:	39.978436
Case Lengt:	68	Longitude:	-83.094106
Completion:	-447120000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	ORAHOD, JOHN		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
76	ESE	0.13	680.04	823.02	WATER WELLS

Well Log No:	316205	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	

Wells and Additional Sources Detail Report

Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	20
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3271	Total Depth:	54
Street Name:	DOVER RD	Dt of Completion:	10/24/1964
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	50
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	826
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	822.9	Latitude:	39.978931
Case Lengt:	50	Longitude:	-83.092697
Completion:	-163728000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	WOTZING, ROBERT		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
77	SSW	0.13	688.96	841.04	WATER WELLS

Well Log No:	257458	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	

Wells and Additional Sources Detail Report

Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	50
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3516	Total Depth:	70
Street Name:	DOVER RD	Dt of Completion:	12/01/1960
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	841
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	841.2	Latitude:	39.977475
Case Lengt:	70	Longitude:	-83.098441
Completion:	-286675200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	COLEMAN, GEORGE		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
78	SSW	0.13	693.82	842.05	WATER WELLS

Well Log No:	146513	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	

Wells and Additional Sources Detail Report

Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	10
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3530	Total Depth:	40
Street Name:	DOVER RD	Dt of Completion:	07/06/1955
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	842
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	843	Latitude:	39.977207
Case Lengt:	40	Longitude:	-83.09917
Completion:	-457315200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	KESTERSON, HAROLD		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
79	SSW	0.13	694.18	841.64	WATER WELLS

Well Log No:	428205	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	

Wells and Additional Sources Detail Report

Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	15	Loc Area:	
Draw Down:		S Water Level:	56
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3520	Total Depth:	207
Street Name:	DOVER RD	Dt of Completion:	12/06/1971
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	186
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	842
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	841.9	Latitude:	39.977347
Case Lengt:	186	Longitude:	-83.098764
Completion:	60825600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	THOMPSON, CLARENCE		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
80	SSW	0.13	696.75	842.62	WATER WELLS

Well Log No:	454921	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	

Wells and Additional Sources Detail Report

Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	20
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3524	Total Depth:	44
Street Name:	DOVER RD	Dt of Completion:	07/14/1973
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	842
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	842.9	Latitude:	39.977272
Case Lengt:	44	Longitude:	-83.09896
Completion:	111456000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	TOMPSON, RALPH		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
80	SSW	0.13	696.75	842.62	WATER WELLS

Well Log No:	657940	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	

Wells and Additional Sources Detail Report

Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3524	Total Depth:	190
Street Name:	DOVER RD	Dt of Completion:	09/09/1986
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	161
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	842
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	842.9	Latitude:	39.977271
Case Lengt:	168	Longitude:	-83.098958
Completion:	526608000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	THOMPSON, HERB		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
81	SW	0.13	700.56	842.45	WATER WELLS

Well Log No:	214975	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	

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Wells and Additional Sources Detail Report

Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3554	Total Depth:	42
Street Name:	DOVER RD	Dt of Completion:	02/26/1959
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	842
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	842.8	Latitude:	39.977054
Case Lengt:	42	Longitude:	-83.099671
Completion:	-342316800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	ROSS, GLENN		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
82	S	0.13	705.72	838.19	WATER WELLS

Well Log No:	257122	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN

Wells and Additional Sources Detail Report

Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	30
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3448	Total Depth:	115
Street Name:	DOVER RD	Dt of Completion:	08/10/1961
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	111
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	840
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	838.3	Latitude:	39.977918
Case Lengt:	111	Longitude:	-83.097021
Completion:	-264902400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	JENKINS, GERMAN		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
83	SSW	0.13	707.38	840.43	WATER WELLS

Well Log No:	161295	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	

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Wells and Additional Sources Detail Report

Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3510	Total Depth:	100
Street Name:	DOVER RD	Dt of Completion:	11/23/1956
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	841
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	840.6	Latitude:	39.977538
Case Lengt:	100	Longitude:	-83.0981
Completion:	-413596800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	GREEN, WILLIAM		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
84	SSE	0.13	707.91	836.46	WATER WELLS

Well Log No:	280332	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	

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Wells and Additional Sources Detail Report

Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	55
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3415	Total Depth:	66
Street Name:	DOVER RD	Dt of Completion:	02/13/1963
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	835
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	836.3	Latitude:	39.977822
Case Lengt:	66	Longitude:	-83.095903
Completion:	-217209600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	BEE, LLOYD		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
85	ESE	0.13	710.09	823.65	WATER WELLS

Well Log No:	234487	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	6	Loc Area:	

Wells and Additional Sources Detail Report

Draw Down:		S Water Level:	14
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3259	Total Depth:	50
Street Name:	DOVER RD	Dt of Completion:	06/15/1960
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	40
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	825
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	823.5	Latitude:	39.979057
Case Lengt:	42	Longitude:	-83.092309
Completion:	-301276800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	ROSS, CHARLES		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
86	SSW	0.14	714.61	839.83	WATER WELLS

Well Log No:	380668	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	15	Loc Area:	
Draw Down:		S Water Level:	30

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Wells and Additional Sources Detail Report

Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3500	Total Depth:	98
Street Name:	DOVER RD	Dt of Completion:	10/17/1968
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	34
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	840
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	839.7	Latitude:	39.97769
Case Lengt:	98	Longitude:	-83.0976
Completion:	-38102400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	STEUGER, VICTOR		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
87	SW	0.14	716.81	844.01	WATER WELLS

Well Log No:	854966	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	50	Loc Area:	
Draw Down:		S Water Level:	37
Sub Name:		S Water Meas Pt Cd:	

Wells and Additional Sources Detail Report

Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1154	Total Depth:	172
Street Name:	WILSON RD	Dt of Completion:	06/04/1997
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	153
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	843
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	843.9	Latitude:	39.97704
Case Lengt:	157	Longitude:	-83.10095
Completion:	865382400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	ENDICOTT, KENIZE		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
88	ESE	0.14	720.54	822.62	WATER WELLS

Well Log No:	643757	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	6	Loc Area:	
Draw Down:		S Water Level:	24
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	

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Wells and Additional Sources Detail Report

Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3255	Total Depth:	70
Street Name:	DOVER RD	Dt of Completion:	12/12/1984
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	65
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	824
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	822.7	Latitude:	39.979196
Case Lengt:	47	Longitude:	-83.092018
Completion:	471657600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	JENKINS, THURMAN		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
89	ESE	0.14	727.60	822.39	WATER WELLS

Well Log No:	463630	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	12	Loc Area:	
Draw Down:		S Water Level:	34
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	

Wells and Additional Sources Detail Report

Str Direction Code:		Screen Length:	
Street No:	3247	Total Depth:	112
Street Name:	DOVER RD	Dt of Completion:	01/08/1974
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	47
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	824
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	822.4	Latitude:	39.979298
Case Lengt:	52	Longitude:	-83.091808
Completion:	126835200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	JORDON, AL		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
90	SW	0.14	736.85	843.86	WATER WELLS

Well Log No:	111284	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	20
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	

Wells and Additional Sources Detail Report

Street No:	3570	Total Depth:	32
Street Name:	DOVER RD	Dt of Completion:	07/29/1954
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	843
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	844	Latitude:	39.976915
Case Lengt:	32	Longitude:	-83.099977
Completion:	-486864000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	SMITH, HERBERT		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
91	S	0.14	737.57	837.35	WATER WELLS

Well Log No:	131036	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	24
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3425	Total Depth:	48

Wells and Additional Sources Detail Report

Street Name:	DOVER RD	Dt of Completion:	04/27/1955
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	836
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	837.1	Latitude:	39.977734
Case Lengt:	48	Longitude:	-83.096113
Completion:	-463363200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	FLOWERS, W		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
92	S	0.14	754.62	838.34	WATER WELLS

Well Log No:	952421	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL & CLAY	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	15	Loc Area:	
Draw Down:		S Water Level:	40
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3447	Total Depth:	110
Street Name:	DOVER RD	Dt of Completion:	09/13/2002

Wells and Additional Sources Detail Report

Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	75
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	837
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	838.5	Latitude:	39.9777
Case Lengt:	82	Longitude:	-83.09641
Completion:	1031875200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	TILLY, KEITH		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
93	SSE	0.15	778.05	831.36	WATER WELLS

Well Log No:	2052596	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	MUD ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	100	Loc Area:	
Draw Down:		S Water Level:	28
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3379	Total Depth:	107
Street Name:	DOVER RD	Dt of Completion:	06/17/2015
Street Type Code:		Located Ind:	

Wells and Additional Sources Detail Report

Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	831
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	831.3	Latitude:	39.97786
Case Lengt:	107	Longitude:	-83.09483
Completion:	1434499200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	WHETSTONE, JOHN		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
94	SW	0.15	792.05	845.07	WATER WELLS

Well Log No:	243950	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	16
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3549	Total Depth:	36
Street Name:	DOVER RD	Dt of Completion:	12/14/1960
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	

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Wells and Additional Sources Detail Report

Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	843
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	844.5	Latitude:	39.97676
Case Lengt:	36	Longitude:	-83.10044
Completion:	-285552000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	STENGER, VICTOR		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
95	SSW	0.16	849.80	842.51	WATER WELLS

Well Log No:	644646	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	54
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3529	Total Depth:	200
Street Name:	DOVER RD	Dt of Completion:	10/23/1984
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	173

Wells and Additional Sources Detail Report

City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	841
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	842.7	Latitude:	39.976986
Case Lengt:	176	Longitude:	-83.098454
Completion:	467337600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	MULLINS, JAMES		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
96	S	0.16	854.41	838.93	WATER WELLS

Well Log No:	271940	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	30
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3461	Total Depth:	62
Street Name:	DOVER RD	Dt of Completion:	09/06/1962
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	

Wells and Additional Sources Detail Report

State Code:		Water Level El:	839
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	838.8	Latitude:	39.977443
Case Lengt:	62	Longitude:	-83.097099
Completion:	-231033600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	JENKINS, JAMES		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
97	S	0.16	854.84	838.05	WATER WELLS

Well Log No:	2077225	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	MUD/AIR ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	12	Loc Area:	
Draw Down:		S Water Level:	40
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3461	Total Depth:	104
Street Name:	DOVER RD	Dt of Completion:	12/11/2019
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	848

Wells and Additional Sources Detail Report

Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:		Latitude:	39.97749
Case Lengt:	104	Longitude:	-83.09696
Completion:	1576022400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	GARCIA, BARBY		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
98	W	0.16	856.20	851.02	WATER WELLS

Well Log No:	88028	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	ROCK	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	20	Loc Area:	
Draw Down:		S Water Level:	35
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1333	Total Depth:	94
Street Name:	WILSON RD	Dt of Completion:	12/30/1952
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	91
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	850
Zip:		Well Drilled By:	

Wells and Additional Sources Detail Report

Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	851.3	Latitude:	39.980676
Case Lengt:		Longitude:	-83.103668
Completion:	-536630400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	COWGILL, HARVEY		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
99	SE	0.16	858.92	825.51	WATER WELLS

Well Log No:	252616	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	12	Loc Area:	
Draw Down:		S Water Level:	25
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1240	Total Depth:	74
Street Name:	GLADSTONE	Dt of Completion:	08/17/1961
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	829
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	

Wells and Additional Sources Detail Report

Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	825.7	Latitude:	39.97806
Case Lengt:	74	Longitude:	-83.09355
Completion:	-264297600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	HOOVER, C		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
100	SSE	0.17	875.30	834.13	WATER WELLS

Well Log No:	55867	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	ROCK	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	25	Loc Area:	
Draw Down:		S Water Level:	17
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:		Total Depth:	101
Street Name:	EL PASO DR	Dt of Completion:	08/18/1949
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	96
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	833
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	

Wells and Additional Sources Detail Report

Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	835	Latitude:	39.977579
Case Lengt:	94	Longitude:	-83.094796
Completion:	-642902400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	THOMPSON,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
101	SW	0.18	932.88	843.80	WATER WELLS

Well Log No:	156414	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	28
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1050	Total Depth:	109
Street Name:	WILSON RD	Dt of Completion:	10/29/1955
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	88
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	844
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	

Wells and Additional Sources Detail Report

Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	843.8	Latitude:	39.97638
Case Lengt:	88	Longitude:	-83.10056
Completion:	-447379200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	HULLS, GLEN		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
102	ESE	0.18	933.35	821.75	WATER WELLS

Well Log No:	406270	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	8	Loc Area:	
Draw Down:		S Water Level:	25
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3506	Total Depth:	72
Street Name:	PLAINVIEW DR	Dt of Completion:	08/12/1970
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	63
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	825
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	

Wells and Additional Sources Detail Report

Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	821.8	Latitude:	39.978584
Case Lengt:	63	Longitude:	-83.091802
Completion:	19267200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	TETLOW,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
103	SSE	0.18	955.10	832.98	WATER WELLS

Well Log No:	372386	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	30
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3610	Total Depth:	67
Street Name:	PLAINVIEW DR	Dt of Completion:	08/07/1968
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	831
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	

Wells and Additional Sources Detail Report

Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	833.3	Latitude:	39.977468
Case Lengt:	67	Longitude:	-83.094423
Completion:	-44236800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	HOWELL, MILFORD		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
104	SSE	0.18	962.56	832.96	WATER WELLS

Well Log No:	280375	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	12	Loc Area:	
Draw Down:		S Water Level:	30
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3626	Total Depth:	96
Street Name:	PLAINVIEW DR	Dt of Completion:	08/20/1962
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	832
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	

Wells and Additional Sources Detail Report

Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	833	Latitude:	39.977379
Case Lengt:	96	Longitude:	-83.094615
Completion:	-232502400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	FAUBERT, JOHN		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
105	SSE	0.18	964.85	835.93	WATER WELLS

Well Log No:	208383	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	15	Loc Area:	
Draw Down:		S Water Level:	22
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3640	Total Depth:	125
Street Name:	PLAINVIEW DR	Dt of Completion:	07/28/1958
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	835
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	

Wells and Additional Sources Detail Report

Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	835.6	Latitude:	39.977163
Case Lengt:	125	Longitude:	-83.095426
Completion:	-360720000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	BLEVINS, R		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
105	SSE	0.18	964.85	835.93	WATER WELLS

Well Log No:	135016	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	26
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3640	Total Depth:	57
Street Name:	PLAINVIEW DR	Dt of Completion:	01/26/1955
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	835
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	

Wells and Additional Sources Detail Report

Sustained Yield:		Horiz Datum Code:	
Dem Elev:	835.6	Latitude:	39.977163
Case Lengt:	57	Longitude:	-83.095426
Completion:	-471225600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	FLOYD, JOHN		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
106	SE	0.18	965.58	825.37	WATER WELLS

Well Log No:	383260	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	26
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3548	Total Depth:	62
Street Name:	PLAINVIEW DR	Dt of Completion:	12/27/1968
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	828
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	

Wells and Additional Sources Detail Report

Dem Elev:	825.5	Latitude:	39.977953
Case Lengt:	62	Longitude:	-83.092932
Completion:	-31968000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	FLOWERS, JOHN		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
107	SE	0.19	986.50	825.49	WATER WELLS

Well Log No:	354187	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	8	Loc Area:	
Draw Down:		S Water Level:	29
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3532	Total Depth:	60
Street Name:	PLAINVIEW DR	Dt of Completion:	07/05/1967
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	53
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	827
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	824.9	Latitude:	39.97796

Wells and Additional Sources Detail Report

Case Lengt:	53	Longitude:	-83.09273
Completion:	-78710400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	BAKER, EFFIE		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
108	S	0.19	1,028.81	838.18	WATER WELLS

Well Log No:	191202	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	6	Loc Area:	
Draw Down:		S Water Level:	28
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3658	Total Depth:	80
Street Name:	PLAINVIEW DR	Dt of Completion:	10/25/1956
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	57
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	837
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	838.3	Latitude:	39.976935
Case Lengt:	59	Longitude:	-83.096042

Wells and Additional Sources Detail Report

Completion:	-416102400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	SMITH, CLARENCE		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
109	S	0.20	1,057.51	839.09	WATER WELLS

Well Log No:	280382	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	12	Loc Area:	
Draw Down:		S Water Level:	31
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3684	Total Depth:	61
Street Name:	PLAINVIEW DR	Dt of Completion:	10/02/1962
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	838
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	838.9	Latitude:	39.97686
Case Lengt:	61	Longitude:	-83.096316
Completion:	-228787200000	Changed By:	

Wells and Additional Sources Detail Report

Draw Down Test Dur:
Sec Owner Name: KESTERSON, C
Comments:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
110	SSE	0.20	1,066.38	835.12	WATER WELLS

Well Log No:	2023578	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	7	Loc Area:	
Draw Down:		S Water Level:	36
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3613	Total Depth:	61
Street Name:	PLAINVIEW DR	Dt of Completion:	08/17/2009
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	833
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	835.5	Latitude:	39.97704
Case Lengt:	51	Longitude:	-83.0947
Completion:	1250467200000	Changed By:	
Draw Down Test Dur:			

Wells and Additional Sources Detail Report

Sec Owner Name: SMUCKER, JERRY
Comments:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
111	SE	0.21	1,083.88	824.74	WATER WELLS

Well Log No:	731713	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	CABLE TOOL	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	15	Loc Area:	
Draw Down:		S Water Level:	22
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3523	Total Depth:	66
Street Name:	PLAINVIEW DR	Dt of Completion:	10/12/1991
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	827
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	825.1	Latitude:	39.97775
Case Lengt:		Longitude:	-83.09249
Completion:	687225600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	COX, LINDA		

Wells and Additional Sources Detail Report

Comments:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
112	SE	0.21	1,085.15	830.05	WATER WELLS

Well Log No:	963078	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL & CLAY	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	35
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3581	Total Depth:	86
Street Name:	PLAINVIEW DR	Dt of Completion:	09/03/2003
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	830
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	830.2	Latitude:	39.97732
Case Lengt:	76	Longitude:	-83.09372
Completion:	1062547200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	ROCKHOLD, GLENN		
Comments:			

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
113	SSE	0.21	1,086.65	832.78	WATER WELLS

Well Log No:	863255	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL & CLAY	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	30	Loc Area:	
Draw Down:		S Water Level:	25
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3597	Total Depth:	70
Street Name:	PLAINVIEW	Dt of Completion:	10/06/1997
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	831
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	832.8	Latitude:	39.97717
Case Lengt:	62	Longitude:	-83.09414
Completion:	876096000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	RAYBURN, GEORGE		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Wells and Additional Sources Detail Report

114	S	0.21	1,086.93	840.30	WATER WELLS

Well Log No:	296407	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	18
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3686	Total Depth:	60
Street Name:	PLAINVIEW DR	Dt of Completion:	05/25/1963
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	838
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	840.4	Latitude:	39.976785
Case Lengt:	60	Longitude:	-83.096429
Completion:	-208483200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	KESTERSON, C		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
114	S	0.21	1,086.93	840.30	WATER WELLS

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Wells and Additional Sources Detail Report

Well Log No:	191208	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	14	Loc Area:	
Draw Down:		S Water Level:	21
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3686	Total Depth:	62
Street Name:	PLAINVIEW DR	Dt of Completion:	11/23/1956
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	838
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	840.4	Latitude:	39.976785
Case Lengt:	62	Longitude:	-83.096429
Completion:	-413596800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	THOMPSON, JOHN		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
115	SE	0.21	1,087.42	826.86	WATER WELLS

Wells and Additional Sources Detail Report

Well Log No:	385260	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	8	Loc Area:	
Draw Down:		S Water Level:	16
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3549	Total Depth:	75
Street Name:	PLAINVIEW DR	Dt of Completion:	04/30/1969
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	828
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	825.8	Latitude:	39.977643
Case Lengt:	75	Longitude:	-83.092768
Completion:	-21254400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	HOOVER, FRANK		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
116	SSE	0.21	1,093.62	834.20	WATER WELLS

Well Log No:	372384	Pump Type:	

Wells and Additional Sources Detail Report

Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	12	Loc Area:	
Draw Down:		S Water Level:	32
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3599	Total Depth:	62
Street Name:	PLAINVIEW DR	Dt of Completion:	07/26/1968
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	832
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	834.4	Latitude:	39.977087
Case Lengt:	62	Longitude:	-83.094319
Completion:	-45273600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	SIMONS, JAMES		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
117	SE	0.21	1,096.45	824.20	WATER WELLS

Well Log No:	296306	Pump Type:	
Permit No:		Pump Capacity:	

Wells and Additional Sources Detail Report

Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	28
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3519	Total Depth:	64
Street Name:	PLAINVIEW DR	Dt of Completion:	09/23/1963
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	51
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	826
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	824.7	Latitude:	39.977783
Case Lengt:	52	Longitude:	-83.092299
Completion:	-198028800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	HILL, LINDA		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
117	SE	0.21	1,096.45	824.20	WATER WELLS

Well Log No:	372371	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	

Wells and Additional Sources Detail Report

Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	15	Loc Area:	
Draw Down:		S Water Level:	17
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3519	Total Depth:	80
Street Name:	PLAINVIEW DR	Dt of Completion:	05/10/1968
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	50
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	826
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	824.7	Latitude:	39.977783
Case Lengt:	50	Longitude:	-83.092299
Completion:	-51926400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	HILL, LULA		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
118	SE	0.21	1,107.14	832.16	WATER WELLS

Well Log No:	280331	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	

Wells and Additional Sources Detail Report

Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	23
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3595	Total Depth:	89
Street Name:	PLAINVIEW DR	Dt of Completion:	02/08/1963
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	830
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	831.9	Latitude:	39.977215
Case Lengt:	89	Longitude:	-83.093832
Completion:	-217641600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	STURGELL, LESSTER		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
119	SE	0.21	1,111.55	830.08	WATER WELLS

Well Log No:	525699	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	

Wells and Additional Sources Detail Report

Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	20	Loc Area:	
Draw Down:		S Water Level:	30
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3577	Total Depth:	81
Street Name:	PLAINVIEW DR	Dt of Completion:	01/05/1980
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	830
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	830.3	Latitude:	39.977341
Case Lengt:	81	Longitude:	-83.09343
Completion:	315878400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	GENICKS, BETTY		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
120	S	0.21	1,127.60	839.97	WATER WELLS

Well Log No:	191211	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	

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Wells and Additional Sources Detail Report

Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	14	Loc Area:	
Draw Down:		S Water Level:	26
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3698	Total Depth:	115
Street Name:	PLAINVIEW DR	Dt of Completion:	12/11/1956
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	839
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	840.3	Latitude:	39.976667
Case Lengt:	115	Longitude:	-83.096964
Completion:	-412041600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	SMITH, LEO		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
120	S	0.21	1,127.60	839.97	WATER WELLS

Well Log No:	347452	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	

Wells and Additional Sources Detail Report

Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	30
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3698	Total Depth:	106
Street Name:	PLAINVIEW	Dt of Completion:	07/09/1966
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	839
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	840.3	Latitude:	39.976667
Case Lengt:	106	Longitude:	-83.096964
Completion:	-109900800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	DOWNING, LESTER		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
121	SSE	0.21	1,133.27	837.06	WATER WELLS

Well Log No:	330216	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	

Wells and Additional Sources Detail Report

Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	39
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3649	Total Depth:	73
Street Name:	PLAINVIEW DR	Dt of Completion:	08/12/1965
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	70
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	836
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	837.1	Latitude:	39.97668
Case Lengt:	73	Longitude:	-83.09553
Completion:	-138499200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	DOWNING,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
122	S	0.22	1,152.89	838.14	WATER WELLS

Well Log No:	647406	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	

Wells and Additional Sources Detail Report

Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	31
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3657	Total Depth:	106
Street Name:	PLAINVIEW DR	Dt of Completion:	12/15/1984
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	45
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	837
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	838.2	Latitude:	39.976601
Case Lengt:	57	Longitude:	-83.095835
Completion:	471916800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	TAYLOR, STEVE		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
123	S	0.22	1,164.89	838.80	WATER WELLS

Well Log No:	968801	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN

Wells and Additional Sources Detail Report

Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	40
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3686	Total Depth:	101
Street Name:	PLAINVIEW DR	Dt of Completion:	10/20/2003
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	79
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	839
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	838.8	Latitude:	39.97659
Case Lengt:		Longitude:	-83.09667
Completion:	1066608000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	KING, FLOYD		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
124	S	0.23	1,190.33	837.27	WATER WELLS

Well Log No:	95862	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	

Wells and Additional Sources Detail Report

Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	15
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3730	Total Depth:	29
Street Name:	PLAINVIEW DR	Dt of Completion:	09/29/1952
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	840
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	837.9	Latitude:	39.97633
Case Lengt:	29	Longitude:	-83.09739
Completion:	-544579200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	POWELL, D		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
125	SSW	0.23	1,191.17	839.25	WATER WELLS

Well Log No:	111307	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	

Wells and Additional Sources Detail Report

Test Rate:	5	Loc Area:	
Draw Down:		S Water Level:	5
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3764	Total Depth:	133
Street Name:	PLAINVIEW DR	Dt of Completion:	03/01/1951
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	840
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	839.4	Latitude:	39.97618
Case Lengt:		Longitude:	-83.09781
Completion:	-594518400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	HEISER, J		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
125	SSW	0.23	1,191.17	839.25	WATER WELLS

Well Log No:	255430	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	

Wells and Additional Sources Detail Report

Draw Down:		S Water Level:	30
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3760	Total Depth:	122
Street Name:	PLAINVIEW DR	Dt of Completion:	04/24/1961
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	120
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	840
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	839.3	Latitude:	39.97619
Case Lengt:	122	Longitude:	-83.09779
Completion:	-274233600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	HINTZ,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
126	SE	0.23	1,197.91	824.16	WATER WELLS

Well Log No:	385261	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	8	Loc Area:	
Draw Down:		S Water Level:	14

Wells and Additional Sources Detail Report

Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3513	Total Depth:	52
Street Name:	PLAINVIEW DR	Dt of Completion:	05/02/1969
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	824
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	824.2	Latitude:	39.977701
Case Lengt:	52	Longitude:	-83.091763
Completion:	-21081600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	HOOVER, PAUL		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
127	WNW	0.23	1,200.25	848.33	WATER WELLS

Well Log No:	186195	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	20	Loc Area:	
Draw Down:		S Water Level:	21
Sub Name:		S Water Meas Pt Cd:	

Wells and Additional Sources Detail Report

Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1443	Total Depth:	73
Street Name:	WILSON RD	Dt of Completion:	06/16/1959
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	847
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	847.4	Latitude:	39.98182
Case Lengt:	73	Longitude:	-83.10426
Completion:	-332812800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	RAUSCH, PAUL		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
128	S	0.23	1,214.45	838.07	WATER WELLS

Well Log No:	257159	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	39
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	

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Wells and Additional Sources Detail Report

Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3673	Total Depth:	86
Street Name:	PLAINVIEW DR	Dt of Completion:	11/30/1961
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	74
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	838
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	837.9	Latitude:	39.976426
Case Lengt:	76	Longitude:	-83.096223
Completion:	-255225600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	L & J CONSTRUCTION,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
129	S	0.24	1,255.07	838.68	WATER WELLS

Well Log No:	752882	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	CABLE TOOL	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	15	Loc Area:	
Draw Down:		S Water Level:	30
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	

Wells and Additional Sources Detail Report

Str Direction Code:		Screen Length:	
Street No:	3687	Total Depth:	95
Street Name:	PLAINVIEW	Dt of Completion:	07/10/1992
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	89
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	839
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	838.7	Latitude:	39.97633
Case Lengt:	91	Longitude:	-83.09655
Completion:	710726400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	BOWMAN, LISA		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
130	S	0.24	1,255.54	838.68	WATER WELLS

Well Log No:	478180	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	

Wells and Additional Sources Detail Report

Street No:	3687	Total Depth:	33
Street Name:	PLAINVIEW DR	Dt of Completion:	06/08/1977
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	838
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	838.5	Latitude:	39.976324
Case Lengt:	33	Longitude:	-83.096483
Completion:	234576000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	MCKEE, EDWARD		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
131	S	0.24	1,290.40	841.73	WATER WELLS

Well Log No:	239457	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	16
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3779	Total Depth:	106

Wells and Additional Sources Detail Report

Street Name:	PLAINVIEW DR	Dt of Completion:	12/07/1959
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	105
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	840
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	840.9	Latitude:	39.9759
Case Lengt:	106	Longitude:	-83.09776
Completion:	-317779200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	MONTMAY, ROBERT		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
132	S	0.24	1,290.82	840.03	WATER WELLS

Well Log No:	261953	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	8	Loc Area:	
Draw Down:		S Water Level:	35
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3759	Total Depth:	119
Street Name:	PLAINVIEW DR	Dt of Completion:	07/13/1961

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Wells and Additional Sources Detail Report

Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	116
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	840
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	840.1	Latitude:	39.97593
Case Lengt:	116	Longitude:	-83.09767
Completion:	-267321600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	COPLEY, CLARENCE		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
133	S	0.24	1,290.85	839.59	WATER WELLS

Well Log No:	83514	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	14
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3725	Total Depth:	32
Street Name:	PLAINVIEW DR	Dt of Completion:	10/26/1954
Street Type Code:		Located Ind:	

Wells and Additional Sources Detail Report

Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	840
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	839.2	Latitude:	39.97609
Case Lengt:	33	Longitude:	-83.0972
Completion:	-479174400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	SCAGGS, S		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
133	S	0.24	1,290.85	839.59	WATER WELLS

Well Log No:	744353	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	7	Loc Area:	
Draw Down:		S Water Level:	22
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3717	Total Depth:	47
Street Name:	PLAINVIEW DR	Dt of Completion:	01/04/1992
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	

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Wells and Additional Sources Detail Report

Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	840
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	838.8	Latitude:	39.9761
Case Lengt:	47	Longitude:	-83.09719
Completion:	694483200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	JUSTUS, BRUCE		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
134	S	0.25	1,305.89	839.27	WATER WELLS

Well Log No:	296434	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	STONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	43
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3689	Total Depth:	106
Street Name:	PLAINVIEW DR	Dt of Completion:	10/16/1963
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	91

Wells and Additional Sources Detail Report

City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	839
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	839.1	Latitude:	39.976196
Case Lengt:	102	Longitude:	-83.096774
Completion:	-196041600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	ROYSTER, ELNA		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
135	S	0.25	1,319.69	841.69	WATER WELLS

Well Log No:	83515	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	17
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3717	Total Depth:	33
Street Name:	PLAINVIEW DR	Dt of Completion:	10/30/1954
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	

Wells and Additional Sources Detail Report

State Code:		Water Level El:	840
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	842.4	Latitude:	39.975817
Case Lengt:	33	Longitude:	-83.097745
Completion:	-478828800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	JUSTUS, ROBERT		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
136	S	0.30	1,599.50	823.21	WATER WELLS

Well Log No:	63573	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	5	Loc Area:	
Draw Down:		S Water Level:	15
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3577	Total Depth:	47
Street Name:	PLAINVIEW DR	Dt of Completion:	06/29/1950
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	839

Wells and Additional Sources Detail Report

Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	817.3	Latitude:	39.975093
Case Lengt:	47	Longitude:	-83.097403
Completion:	-615686400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	HAYSLIP,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
137	NE	0.32	1,682.82	807.84	WATER WELLS

Well Log No:	314343	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	82
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3177	Total Depth:	118
Street Name:	CHIPPEWA DR	Dt of Completion:	02/09/1966
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	85
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	810
Zip:		Well Drilled By:	

Wells and Additional Sources Detail Report

Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	807.9	Latitude:	39.986056
Case Lengt:	86	Longitude:	-83.090453
Completion:	-122860800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	WINNER HOMES,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
138	E	0.34	1,786.41	808.52	WATER WELLS

Well Log No:	37430	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	1	Loc Area:	
Draw Down:		S Water Level:	30
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1205	Total Depth:	70
Street Name:	HAGUE AVE	Dt of Completion:	02/01/1948
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	36
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	812
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	

Wells and Additional Sources Detail Report

Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	808.3	Latitude:	39.980274
Case Lengt:	36	Longitude:	-83.086537
Completion:	-691632000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	SEIPEL,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
139	NE	0.35	1,821.82	807.96	WATER WELLS

Well Log No:	736371	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	25	Loc Area:	
Draw Down:		S Water Level:	60
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1500	Total Depth:	160
Street Name:	HAGUE RD	Dt of Completion:	10/21/1991
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	30
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	809
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	

Wells and Additional Sources Detail Report

Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	808.8	Latitude:	39.98534
Case Lengt:	98	Longitude:	-83.08843
Completion:	688003200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	MODLICH, DAN		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
140	NW	0.35	1,840.95	844.72	WATER WELLS

Well Log No:	35636	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	20	Loc Area:	
Draw Down:		S Water Level:	12
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:		Total Depth:	72
Street Name:	WILSON RD	Dt of Completion:	02/23/1949
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	842
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	

Wells and Additional Sources Detail Report

Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	844.8	Latitude:	39.984773
Case Lengt:		Longitude:	-83.103322
Completion:	-658108800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	HARTLEY,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
141	SSW	0.37	1,940.53	842.11	WATER WELLS

Well Log No:	2038724	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	3.5
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	36100	Total Depth:	9
Street Name:	INTERCHANGE RD	Dt of Completion:	05/17/2012
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	843
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	

Wells and Additional Sources Detail Report

Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	841.9	Latitude:	39.973617
Case Lengt:	2	Longitude:	-83.0997
Completion:	1337212800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	PILOT TRAVEL CENTER,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
142	NNW	0.37	1,950.17	840.95	WATER WELLS

Well Log No:	921984	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1580	Total Depth:	38
Street Name:	HARDON RD	Dt of Completion:	07/28/2001
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	841
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	

Wells and Additional Sources Detail Report

Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	841.5	Latitude:	39.98596
Case Lengt:	35	Longitude:	-83.09924
Completion:	996278400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	CITY OF COLUMBUS,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
142	NNW	0.37	1,950.17	840.95	WATER WELLS

Well Log No:	921985	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1580	Total Depth:	33
Street Name:	HARDON RD	Dt of Completion:	07/30/2001
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	841
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	

Wells and Additional Sources Detail Report

Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	841.5	Latitude:	39.98596
Case Lengt:	29	Longitude:	-83.09924
Completion:	996451200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	CITY OF COLUMBUS,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
142	NNW	0.37	1,950.17	840.95	WATER WELLS

Well Log No:	921983	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1580	Total Depth:	32
Street Name:	HARDON RD	Dt of Completion:	07/28/2001
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	841
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	

Wells and Additional Sources Detail Report

Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	841.5	Latitude:	39.98596
Case Lengt:	29	Longitude:	-83.09924
Completion:	996278400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	CITY OF COLUMBUS,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
142	NNW	0.37	1,950.17	840.95	WATER WELLS

Well Log No:	921982	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1580	Total Depth:	34
Street Name:	HARDON RD	Dt of Completion:	07/27/2001
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	841
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	

Wells and Additional Sources Detail Report

Sustained Yield:		Horiz Datum Code:	
Dem Elev:	841.5	Latitude:	39.98596
Case Lengt:	29	Longitude:	-83.09924
Completion:	996192000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	CITY OF COLUMBUS,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
142	NNW	0.37	1,950.17	840.95	WATER WELLS

Well Log No:	921988	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1580	Total Depth:	28
Street Name:	HARDON RD	Dt of Completion:	07/29/2001
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	841
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	

Wells and Additional Sources Detail Report

Dem Elev:	841.5	Latitude:	39.98596
Case Lengt:	25	Longitude:	-83.09924
Completion:	996364800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	CITY OF COLUMBUS,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
142	NNW	0.37	1,950.17	840.95	WATER WELLS

Well Log No:	921987	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1580	Total Depth:	30
Street Name:	HARDON RD	Dt of Completion:	07/29/2001
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	841
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	841.5	Latitude:	39.98596

Wells and Additional Sources Detail Report

Case Lengt:	27	Longitude:	-83.09924
Completion:	996364800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	CITY OF COLUMBUS,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
142	NNW	0.37	1,950.17	840.95	WATER WELLS

Well Log No:	921986	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1580	Total Depth:	38
Street Name:	HARDON RD	Dt of Completion:	07/28/2001
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	841
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	841.5	Latitude:	39.98596
Case Lengt:	35	Longitude:	-83.09924

Wells and Additional Sources Detail Report

Completion:	996278400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	CITY OF COLUMBUS,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
143	WNW	0.37	1,950.33	854.11	WATER WELLS

Well Log No:	2056068	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	35
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1570	Total Depth:	100
Street Name:	ALTON DARBY CREEK RD	Dt of Completion:	02/22/2016
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	75
City:	NORWICH	Drill Year:	
State Code:		Water Level El:	923
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:		Latitude:	39.982305
Case Lengt:	83	Longitude:	-83.107
Completion:	1456099200000	Changed By:	

Wells and Additional Sources Detail Report

Draw Down Test Dur:
Sec Owner Name: LARSON, JEFF
Comments:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
144	SSW	0.37	1,959.06	841.81	WATER WELLS

Well Log No:	2038726	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	CLAY	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	3.2
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3600	Total Depth:	10
Street Name:	INTERCHANGE RD	Dt of Completion:	05/17/2012
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	843
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	841.8	Latitude:	39.973567
Case Lengt:	2	Longitude:	-83.099683
Completion:	1337212800000	Changed By:	
Draw Down Test Dur:			

Wells and Additional Sources Detail Report

Sec Owner Name: PILOT TRAVEL CENTER,
Comments:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
145	SSW	0.37	1,962.94	841.63	WATER WELLS

Well Log No:	2038725	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	9
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3600	Total Depth:	9
Street Name:	INTERCHANGE RD	Dt of Completion:	05/17/2012
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	844
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	841.7	Latitude:	39.97355
Case Lengt:	2	Longitude:	-83.0998
Completion:	1337212800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	PILOT TRAVEL CENTER,		

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Wells and Additional Sources Detail Report

Comments:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
146	NE	0.37	1,971.49	812.91	WATER WELLS

Well Log No:	864661	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	15	Loc Area:	
Draw Down:		S Water Level:	15
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1570	Total Depth:	125
Street Name:	HAGUE AVE	Dt of Completion:	09/29/1997
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	62
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	817
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	813	Latitude:	39.98627
Case Lengt:	105	Longitude:	-83.08897
Completion:	875491200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	PARKINSON, DON		
Comments:			

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
147	SE	0.38	2,011.58	828.56	WATER WELLS

Well Log No:	2008066	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	15	Loc Area:	
Draw Down:		S Water Level:	50
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3290	Total Depth:	161
Street Name:	EL PASO	Dt of Completion:	02/01/2007
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	85
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	827
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	828.2	Latitude:	39.9753
Case Lengt:	127	Longitude:	-83.0915
Completion:	1170288000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	AMC MORTGAGE,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
148	SSW	0.39	2,051.37	843.02	WATER WELLS

Well Log No:	931083	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:		Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3600	Total Depth:	17
Street Name:	INTERCHANGE RD	Dt of Completion:	12/10/2002
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	7
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	843
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	842.7	Latitude:	39.97333
Case Lengt:	5	Longitude:	-83.09944
Completion:	1039478400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	PILOT TRAVEL CENTER,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
149	E	0.40	2,091.14	819.43	WATER WELLS

Wells and Additional Sources Detail Report

Well Log No:	41911	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	27
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1229	Total Depth:	65
Street Name:	HAGUE AVE	Dt of Completion:	04/22/1948
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	22
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	814
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	819	Latitude:	39.979063
Case Lengt:	22	Longitude:	-83.085884
Completion:	-684633600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	LUCAS, ED		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
150	WNW	0.40	2,093.39	852.08	WATER WELLS

Wells and Additional Sources Detail Report

Well Log No:	173683	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	12	Loc Area:	
Draw Down:		S Water Level:	12
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	4125	Total Depth:	107
Street Name:	ONGARO DR	Dt of Completion:	08/04/1957
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	95
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	850
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	852.4	Latitude:	39.983955
Case Lengt:	96	Longitude:	-83.106069
Completion:	-391651200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	MCFARLAND, RICHARD		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
151	WNW	0.41	2,143.22	854.01	WATER WELLS

Well Log No:	219123	Pump Type:	

Wells and Additional Sources Detail Report

Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	12	Loc Area:	
Draw Down:		S Water Level:	34
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	4143	Total Depth:	91
Street Name:	ONGARO DR	Dt of Completion:	08/29/1958
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	66
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	850
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	853.8	Latitude:	39.983722
Case Lengt:	67	Longitude:	-83.106592
Completion:	-357955200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	CASSELL, ROBERT		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
152	SSW	0.41	2,158.30	843.34	WATER WELLS

Well Log No:	931082	Pump Type:	
Permit No:		Pump Capacity:	

Wells and Additional Sources Detail Report

Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:		Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3600	Total Depth:	15
Street Name:	INTERCHANGE RD	Dt of Completion:	12/10/2002
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	843
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	843	Latitude:	39.97306
Case Lengt:	10	Longitude:	-83.09917
Completion:	1039478400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	PILOT TRAVEL CENTER,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
152	SSW	0.41	2,158.30	843.34	WATER WELLS

Well Log No:	931081	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	

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Wells and Additional Sources Detail Report

Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:		Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3600	Total Depth:	20
Street Name:	INTERCHANGE RD	Dt of Completion:	12/10/2002
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	2
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	843
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	843	Latitude:	39.97306
Case Lengt:	10	Longitude:	-83.09917
Completion:	1039478400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	PILOT TRAVEL CENTER,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
153	WNW	0.42	2,202.20	852.12	WATER WELLS

Well Log No:	280406	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	

Wells and Additional Sources Detail Report

Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	22
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	4147	Total Depth:	82
Street Name:	ONGARO DR	Dt of Completion:	07/27/1962
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	63
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	850
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	852.5	Latitude:	39.98382
Case Lengt:	66	Longitude:	-83.10676
Completion:	-234576000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	MUELLER, WILLIAM		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
154	NW	0.42	2,215.26	849.95	WATER WELLS

Well Log No:	397666	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	

Wells and Additional Sources Detail Report

Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	25	Loc Area:	
Draw Down:		S Water Level:	40
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1550	Total Depth:	153
Street Name:	WILSON RD	Dt of Completion:	12/10/1969
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	138
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	852
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	850	Latitude:	39.98492
Case Lengt:	138	Longitude:	-83.105396
Completion:	-1900800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	ONGARO GARDEN CENTER,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
155	SE	0.42	2,215.69	824.27	WATER WELLS

Well Log No:	380685	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	

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Wells and Additional Sources Detail Report

Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	15	Loc Area:	
Draw Down:		S Water Level:	16
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3285	Total Depth:	60
Street Name:	EL PASO DR	Dt of Completion:	04/24/1969
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	825
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	824.2	Latitude:	39.97499
Case Lengt:	60	Longitude:	-83.09063
Completion:	-21772800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	COLEMAN, WILLIAM		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
156	SE	0.42	2,217.63	823.21	WATER WELLS

Well Log No:	165158	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	

Wells and Additional Sources Detail Report

Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	18
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3265	Total Depth:	52
Street Name:	EL PASO DR	Dt of Completion:	12/06/1955
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	824
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	823.2	Latitude:	39.97503
Case Lengt:	52	Longitude:	-83.09051
Completion:	-444096000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	MCKENZIE, CHARLES		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
157	WNW	0.42	2,220.01	850.23	WATER WELLS

Well Log No:	948353	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	

Wells and Additional Sources Detail Report

Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	40	Loc Area:	
Draw Down:		S Water Level:	45
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	4120	Total Depth:	122
Street Name:	ONGARO DR	Dt of Completion:	07/25/2002
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	97
City:	COLUMBUS	Drill Year:	
State Code:		Water Level El:	850
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	850.1	Latitude:	39.98429
Case Lengt:	105	Longitude:	-83.10627
Completion:	1027555200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	WHITE, BILL		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
158	S	0.43	2,254.62	835.76	WATER WELLS

Well Log No:	269438	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	

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Wells and Additional Sources Detail Report

Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	15	Loc Area:	
Draw Down:		S Water Level:	29
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3450	Total Depth:	99
Street Name:	EL PASO DR	Dt of Completion:	07/14/1962
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	96
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	838
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	835.8	Latitude:	39.97357
Case Lengt:	96	Longitude:	-83.09601
Completion:	-235699200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	POST, DONALD		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
159	SSW	0.43	2,269.21	842.81	WATER WELLS

Well Log No:	931080	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN

Wells and Additional Sources Detail Report

Aquifer Type Code:	ROCK	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3600	Total Depth:	16
Street Name:	INTERCHANGE RD	Dt of Completion:	12/09/2002
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	11
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	845
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	843.8	Latitude:	39.9727
Case Lengt:	6	Longitude:	-83.10009
Completion:	1039392000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	PILOT TRAVEL CENTER,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
160	WNW	0.43	2,272.69	852.25	WATER WELLS

Well Log No:	229312	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	

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Wells and Additional Sources Detail Report

Flowing Well Ind:		Loc Map Year:	
Test Rate:	20	Loc Area:	
Draw Down:		S Water Level:	22
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	4140	Total Depth:	85
Street Name:	ONGARO	Dt of Completion:	09/14/1959
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	66
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	850
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	853.4	Latitude:	39.98412
Case Lengt:	66	Longitude:	-83.10675
Completion:	-325036800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	CANTRALL, NORA		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
161	WNW	0.43	2,286.08	852.84	WATER WELLS

Well Log No:	186168	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	STONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	

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Wells and Additional Sources Detail Report

Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	9
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	4161	Total Depth:	82
Street Name:	ONGARO DR	Dt of Completion:	03/07/1958
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	61
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	850
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	852.8	Latitude:	39.983719
Case Lengt:	61	Longitude:	-83.107252
Completion:	-373075200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	BONDMANKO, DON		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
162	WNW	0.44	2,319.14	849.77	WATER WELLS

Well Log No:	219091	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	12	Loc Area:	

Wells and Additional Sources Detail Report

Draw Down:		S Water Level:	44
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	4138	Total Depth:	82
Street Name:	ONGARO DR	Dt of Completion:	07/02/1959
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	78
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	850
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	848.5	Latitude:	39.984325
Case Lengt:	78	Longitude:	-83.106726
Completion:	-331430400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	HARTLEY, HOMER		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
163	S	0.44	2,335.63	836.59	WATER WELLS

Well Log No:	397665	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	15	Loc Area:	
Draw Down:		S Water Level:	32

Wells and Additional Sources Detail Report

Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3419	Total Depth:	115
Street Name:	EL PASO DR	Dt of Completion:	12/06/1969
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	113
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	837
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	836.5	Latitude:	39.973366
Case Lengt:	114	Longitude:	-83.095472
Completion:	-2246400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	CHURCH OF GOD,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
164	S	0.45	2,361.66	838.80	WATER WELLS

Well Log No:	925301	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	CLAY & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	100	Loc Area:	
Draw Down:		S Water Level:	55
Sub Name:		S Water Meas Pt Cd:	

Wells and Additional Sources Detail Report

Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3543	Total Depth:	122
Street Name:	EL PASO DR	Dt of Completion:	12/05/2000
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	97
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	840
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	838.9	Latitude:	39.97285
Case Lengt:	104	Longitude:	-83.0973
Completion:	975974400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	EMMERT, MARK		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
165	WNW	0.45	2,364.28	853.18	WATER WELLS

Well Log No:	2045494	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	12	Loc Area:	
Draw Down:		S Water Level:	33
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	

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Wells and Additional Sources Detail Report

Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	4156	Total Depth:	82
Street Name:	ONGARO DR	Dt of Completion:	10/18/2013
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	66
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	850
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	853.2	Latitude:	39.98397
Case Lengt:	69	Longitude:	-83.10735
Completion:	1382054400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	HUBERT, MARY		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
166	WNW	0.45	2,389.16	854.67	WATER WELLS

Well Log No:	186193	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	20	Loc Area:	
Draw Down:		S Water Level:	24
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	

Wells and Additional Sources Detail Report

Str Direction Code:		Screen Length:	
Street No:	4187	Total Depth:	82
Street Name:	ONGARO DR	Dt of Completion:	06/09/1959
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	57
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	851
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	855	Latitude:	39.983628
Case Lengt:	57	Longitude:	-83.107794
Completion:	-333417600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	CRABB, NEAL		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
167	S	0.45	2,398.29	839.09	WATER WELLS

Well Log No:	502773	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	32
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	

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Wells and Additional Sources Detail Report

Street No:	3555	Total Depth:	122
Street Name:	EL PASO RD	Dt of Completion:	07/18/1977
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	100
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	840
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	839.2	Latitude:	39.97277
Case Lengt:	105	Longitude:	-83.097205
Completion:	238032000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	JORDAN, JEFF		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
168	S	0.46	2,403.49	837.36	WATER WELLS

Well Log No:	329311	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	30
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3455	Total Depth:	94

Wells and Additional Sources Detail Report

Street Name:	EL PASO	Dt of Completion:	04/13/1965
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	92
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	838
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	839	Latitude:	39.973164
Case Lengt:		Longitude:	-83.095845
Completion:	-148953600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	BETMAN CONSTRUCTION,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
169	S	0.46	2,406.38	837.63	WATER WELLS

Well Log No:	316206	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	35
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3465	Total Depth:	102
Street Name:	EL PASO	Dt of Completion:	10/24/1964

Wells and Additional Sources Detail Report

Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	98
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	838
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	837.8	Latitude:	39.973074
Case Lengt:	98	Longitude:	-83.096219
Completion:	-163728000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	, HOLLY		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
170	S	0.46	2,414.85	838.48	WATER WELLS

Well Log No:	302215	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	15	Loc Area:	
Draw Down:		S Water Level:	30
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3481	Total Depth:	109
Street Name:	EL PASO	Dt of Completion:	10/09/1964
Street Type Code:		Located Ind:	

Wells and Additional Sources Detail Report

Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	101
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	839
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	838.3	Latitude:	39.972947
Case Lengt:	105	Longitude:	-83.096511
Completion:	-165024000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	SMITH, CARL		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
171	SSE	0.46	2,450.18	835.43	WATER WELLS

Well Log No:	370574	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	20	Loc Area:	
Draw Down:		S Water Level:	70
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:		Total Depth:	192
Street Name:	EL PASO DR	Dt of Completion:	12/28/1967
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	

Wells and Additional Sources Detail Report

Sec Add No:		Depth To Bedrock:	166
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	835
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	835.5	Latitude:	39.973197
Case Lengt:	166	Longitude:	-83.09419
Completion:	-63504000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	CHURCH OF GOD,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
172	NW	0.48	2,524.58	846.20	WATER WELLS

Well Log No:	255896	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	47
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1585	Total Depth:	162
Street Name:	WILSON RD	Dt of Completion:	08/15/1963
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	137

Wells and Additional Sources Detail Report

City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	847
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	846.7	Latitude:	39.985301
Case Lengt:	137	Longitude:	-83.106491
Completion:	-201398400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	BURKART, HAROLD		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
173	SSE	0.48	2,526.62	831.69	WATER WELLS

Well Log No:	687357	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	20	Loc Area:	
Draw Down:		S Water Level:	30
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3292	Total Depth:	107
Street Name:	LOWELL DR	Dt of Completion:	09/07/1988
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	

Wells and Additional Sources Detail Report

State Code:		Water Level El:	832
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	831.4	Latitude:	39.973509
Case Lengt:	107	Longitude:	-83.092194
Completion:	589593600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	STEPHENS, CHARLES		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
174	WNW	0.48	2,549.88	854.76	WATER WELLS

Well Log No:	186194	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	20	Loc Area:	
Draw Down:		S Water Level:	24
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	4215	Total Depth:	83
Street Name:	ONGARO DR	Dt of Completion:	06/09/1959
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	55
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	851

Wells and Additional Sources Detail Report

Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	854.5	Latitude:	39.983597
Case Lengt:	55	Longitude:	-83.108507
Completion:	-333417600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	CRABB, NEAL		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
175	WNW	0.49	2,563.07	853.07	WATER WELLS

Well Log No:	302246	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	15	Loc Area:	
Draw Down:		S Water Level:	22
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	4190	Total Depth:	69
Street Name:	ONGARO DR	Dt of Completion:	09/08/1967
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	45
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	850
Zip:		Well Drilled By:	

Wells and Additional Sources Detail Report

Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	852.4	Latitude:	39.984159
Case Lengt:	59	Longitude:	-83.108059
Completion:	-73094400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	RECOB, HAROLD		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
176	S	0.49	2,578.45	835.92	WATER WELLS

Well Log No:	460443	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	20	Loc Area:	
Draw Down:		S Water Level:	45
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3360	Total Depth:	202
Street Name:	LOWELL DR	Dt of Completion:	10/10/1973
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	148
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	836
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	

Wells and Additional Sources Detail Report

Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	835.8	Latitude:	39.972752
Case Lengt:	155	Longitude:	-83.094807
Completion:	119059200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	PAINTER, BILL		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
177	S	0.49	2,610.33	834.57	WATER WELLS

Well Log No:	460426	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	25	Loc Area:	
Draw Down:		S Water Level:	33
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3400	Total Depth:	135
Street Name:	LOWELL DR	Dt of Completion:	09/13/1973
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	125
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	836
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	

Wells and Additional Sources Detail Report

Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	834.6	Latitude:	39.972632
Case Lengt:	130	Longitude:	-83.095141
Completion:	116726400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	CORBIN,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
178	S	0.50	2,655.06	839.24	WATER WELLS

Well Log No:	338706	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	20	Loc Area:	
Draw Down:		S Water Level:	32
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	932	Total Depth:	113
Street Name:	WILSON RD	Dt of Completion:	10/14/1965
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	110
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	841
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	

Wells and Additional Sources Detail Report

Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	839.3	Latitude:	39.97186
Case Lengt:	110	Longitude:	-83.09792
Completion:	-133056000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	DELONG, FLAVIN		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
179	S	0.50	2,656.21	836.65	WATER WELLS

Well Log No:	370586	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	15	Loc Area:	
Draw Down:		S Water Level:	35
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3416	Total Depth:	115
Street Name:	LOWELL DR	Dt of Completion:	04/10/1968
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	837
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	

Wells and Additional Sources Detail Report

Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	836.6	Latitude:	39.972485
Case Lengt:	115	Longitude:	-83.095447
Completion:	-54518400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	ARLINGTON CONSTRUCTI,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
180	NNE	0.51	2,670.19	823.56	WATER WELLS

Well Log No:	62965	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	72
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1705	Total Depth:	114
Street Name:	HAGUE AVE	Dt of Completion:	08/30/1949
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	35
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	826
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	

Wells and Additional Sources Detail Report

Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	822.9	Latitude:	39.989197
Case Lengt:	35	Longitude:	-83.091753
Completion:	-641865600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	WASSERMUTH,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
181	NW	0.51	2,690.33	849.65	WATER WELLS

Well Log No:	257109	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	15	Loc Area:	
Draw Down:		S Water Level:	48
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1621	Total Depth:	110
Street Name:	WILSON RD	Dt of Completion:	07/13/1961
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	97
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	851
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	

Wells and Additional Sources Detail Report

Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	849.8	Latitude:	39.985789
Case Lengt:	97	Longitude:	-83.106678
Completion:	-267321600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	DAY LOR BUILDERS,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
181	NW	0.51	2,690.33	849.65	WATER WELLS

Well Log No:	342693	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	12	Loc Area:	
Draw Down:		S Water Level:	50
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1621	Total Depth:	143
Street Name:	WILSON RD	Dt of Completion:	07/13/1966
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	108
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	851
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	

Wells and Additional Sources Detail Report

Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	849.8	Latitude:	39.985789
Case Lengt:	111	Longitude:	-83.106678
Completion:	-109555200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	KARSHNER, GLENN		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
182	WNW	0.51	2,712.19	854.29	WATER WELLS

Well Log No:	229336	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	20
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	4241	Total Depth:	68
Street Name:	ONGARO DR	Dt of Completion:	06/04/1960
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	61
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	854
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	

Wells and Additional Sources Detail Report

Sustained Yield:		Horiz Datum Code:	
Dem Elev:	855.8	Latitude:	39.983621
Case Lengt:	61	Longitude:	-83.109164
Completion:	-302227200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	CHERRY, JOHN		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
183	SSE	0.52	2,720.85	833.47	WATER WELLS

Well Log No:	868191	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	50	Loc Area:	
Draw Down:		S Water Level:	35
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3367	Total Depth:	102
Street Name:	LOWELL DR	Dt of Completion:	12/31/1997
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	833
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	

Wells and Additional Sources Detail Report

Dem Elev:	833.8	Latitude:	39.97251
Case Lengt:	97	Longitude:	-83.09377
Completion:	883526400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	THOMLINSON, DOUG		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
184	SSE	0.52	2,723.12	834.28	WATER WELLS

Well Log No:	2067071	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	50	Loc Area:	
Draw Down:		S Water Level:	28
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3321	Total Depth:	129
Street Name:	LOWELL DR	Dt of Completion:	03/13/2018
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	832
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:		Latitude:	39.97269

Wells and Additional Sources Detail Report

Case Lengt:	129	Longitude:	-83.09295
Completion:	1520899200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	MOSCA, CLAIRA		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
185	SSE	0.52	2,729.98	834.88	WATER WELLS

Well Log No:	357457	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	7	Loc Area:	
Draw Down:		S Water Level:	16
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3355	Total Depth:	37
Street Name:	LOWELL DR	Dt of Completion:	10/06/1966
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	832
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	834.8	Latitude:	39.972542
Case Lengt:	37	Longitude:	-83.093485

Wells and Additional Sources Detail Report

Completion:	-102211200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	FULCHER, GENE		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
185	SSE	0.52	2,729.98	834.88	WATER WELLS

Well Log No:	639326	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	30	Loc Area:	
Draw Down:		S Water Level:	30
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3355	Total Depth:	155
Street Name:	LOWELL DR	Dt of Completion:	06/15/1983
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	150
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	832
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	834.8	Latitude:	39.972542
Case Lengt:	155	Longitude:	-83.093485
Completion:	424483200000	Changed By:	

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Wells and Additional Sources Detail Report

Draw Down Test Dur:
Sec Owner Name: DOUGLAS, DON
Comments:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
186	S	0.52	2,732.08	839.01	WATER WELLS

Well Log No:	215337	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	75
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:		Total Depth:	122
Street Name:		Dt of Completion:	06/25/1959
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	120
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	841
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	839.4	Latitude:	39.97168
Case Lengt:	121	Longitude:	-83.097727
Completion:	-332035200000	Changed By:	
Draw Down Test Dur:			

Wells and Additional Sources Detail Report

Sec Owner Name: COMBS, RAY
Comments:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
187	SSE	0.52	2,741.30	833.92	WATER WELLS

Well Log No:	477727	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:		Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	1	Loc Area:	
Draw Down:		S Water Level:	80
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3303	Total Depth:	180
Street Name:	LOWELL DR	Dt of Completion:	04/04/1975
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	832
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	834	Latitude:	39.972811
Case Lengt:	161	Longitude:	-83.092353
Completion:	165801600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	MILLER, BOB		

Wells and Additional Sources Detail Report

Comments:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
188	WNW	0.52	2,758.42	858.73	WATER WELLS

Well Log No:	2056744	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	20	Loc Area:	
Draw Down:		S Water Level:	30
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	4241	Total Depth:	82
Street Name:	ONGARO DR	Dt of Completion:	04/18/2016
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	54
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	854
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:		Latitude:	39.98343
Case Lengt:	63	Longitude:	-83.10949
Completion:	1460937600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	MELTZER, PETER		
Comments:			

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
189	NE	0.52	2,771.99	827.17	WATER WELLS

Well Log No:	9925354	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	STONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:		Total Depth:	165
Street Name:		Dt of Completion:	09/27/1940
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	54
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	825
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	827.4	Latitude:	39.988584
Case Lengt:	105	Longitude:	-83.08836
Completion:	-923443200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	MARBLE CLIFF QUARRY,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
190	SSW	0.53	2,787.14	844.95	WATER WELLS

Well Log No:	312129	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	32
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3600	Total Depth:	86
Street Name:	FERRELL DR	Dt of Completion:	02/16/1966
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	80
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	842
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	844.1	Latitude:	39.971282
Case Lengt:	84	Longitude:	-83.099882
Completion:	-122256000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	WINNER HOMES,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
191	WNW	0.53	2,793.59	854.61	WATER WELLS

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Wells and Additional Sources Detail Report

Well Log No:	255900	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	20	Loc Area:	
Draw Down:		S Water Level:	31
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	4230	Total Depth:	63
Street Name:	ONGARO DR	Dt of Completion:	10/08/1963
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	53
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	850
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	854.6	Latitude:	39.984074
Case Lengt:	53	Longitude:	-83.109143
Completion:	-196732800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	GOVE, ROGER		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
191	WNW	0.53	2,793.59	854.61	WATER WELLS

Wells and Additional Sources Detail Report

Well Log No:	645645	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	34
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	4230	Total Depth:	82
Street Name:	ONGARO DR	Dt of Completion:	08/07/1984
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	51
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	850
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	854.6	Latitude:	39.984074
Case Lengt:	60	Longitude:	-83.109143
Completion:	460684800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	MCCOMB, WILLIAM		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
192	S	0.53	2,807.33	833.98	WATER WELLS

Well Log No:	370575	Pump Type:	

Wells and Additional Sources Detail Report

Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	12	Loc Area:	
Draw Down:		S Water Level:	40
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3399	Total Depth:	77
Street Name:	LOWELL DR	Dt of Completion:	01/01/1968
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	833
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	833.7	Latitude:	39.972161
Case Lengt:	77	Longitude:	-83.094434
Completion:	-63158400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	ARLINGTON CONSTRUCTI,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
193	SSW	0.53	2,809.65	843.19	WATER WELLS

Well Log No:	304220	Pump Type:	
Permit No:		Pump Capacity:	

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Wells and Additional Sources Detail Report

Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	ROCK	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	8	Loc Area:	
Draw Down:		S Water Level:	29
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3592	Total Depth:	132
Street Name:	FERRELL PL	Dt of Completion:	11/17/1963
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	125
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	842
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	843.3	Latitude:	39.971232
Case Lengt:	125	Longitude:	-83.099575
Completion:	-193276800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	WINNER HOMES,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
194	S	0.53	2,809.99	841.73	WATER WELLS

Well Log No:	314414	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	

Wells and Additional Sources Detail Report

Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	8	Loc Area:	
Draw Down:		S Water Level:	30
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3564	Total Depth:	95
Street Name:	FERRELL DR	Dt of Completion:	06/16/1965
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	93
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	842
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	842.2	Latitude:	39.971313
Case Lengt:	93	Longitude:	-83.098634
Completion:	-143424000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	WINNER HOMES,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
195	S	0.54	2,838.44	834.83	WATER WELLS

Well Log No:	354544	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	

Wells and Additional Sources Detail Report

Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	15	Loc Area:	
Draw Down:		S Water Level:	37
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3415	Total Depth:	112
Street Name:	LOWELL DR	Dt of Completion:	07/25/1967
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	835
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	834.5	Latitude:	39.972033
Case Lengt:	112	Longitude:	-83.094794
Completion:	-76982400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	ARLINGTON CONSTRUCTI,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
196	SSW	0.54	2,848.92	844.59	WATER WELLS

Well Log No:	304219	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	

Wells and Additional Sources Detail Report

Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	ROCK	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	6	Loc Area:	
Draw Down:		S Water Level:	35
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3584	Total Depth:	121
Street Name:	FERRELL PL	Dt of Completion:	11/10/1963
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	120
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	841
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	844.8	Latitude:	39.971148
Case Lengt:	120	Longitude:	-83.0992
Completion:	-193881600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	WINNER HOMES,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
197	S	0.54	2,854.99	836.00	WATER WELLS

Well Log No:	805878	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	

Wells and Additional Sources Detail Report

Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	ROCK & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	15	Loc Area:	
Draw Down:		S Water Level:	39
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3415	Total Depth:	120
Street Name:	LOWELL DR	Dt of Completion:	11/30/1994
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	837
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	834.9	Latitude:	39.97194
Case Lengt:	110	Longitude:	-83.09541
Completion:	786153600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	KINDLER, BOB		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
198	S	0.54	2,860.60	835.45	WATER WELLS

Well Log No:	354546	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	

Wells and Additional Sources Detail Report

Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	12	Loc Area:	
Draw Down:		S Water Level:	40
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3431	Total Depth:	117
Street Name:	LOWELL DR	Dt of Completion:	08/15/1967
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	835
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	835.8	Latitude:	39.971946
Case Lengt:	117	Longitude:	-83.095082
Completion:	-75168000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	ARLINGTON CONSTRUCTI,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
199	S	0.55	2,882.57	841.04	WATER WELLS

Well Log No:	312094	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	

Wells and Additional Sources Detail Report

Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	39
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3570	Total Depth:	97
Street Name:	FERRELL PL	Dt of Completion:	09/08/1964
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	84
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	841
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	841.4	Latitude:	39.9711
Case Lengt:	96	Longitude:	-83.09873
Completion:	-167702400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	WINTER HOMES,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
200	S	0.55	2,889.99	837.21	WATER WELLS

Well Log No:	354526	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	

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Wells and Additional Sources Detail Report

Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	12	Loc Area:	
Draw Down:		S Water Level:	50
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3447	Total Depth:	95
Street Name:	LOWELL DR	Dt of Completion:	05/11/1967
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	837
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	837.1	Latitude:	39.971843
Case Lengt:	95	Longitude:	-83.095423
Completion:	-83462400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	ARLINGTON CONSTRUCTI,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
201	S	0.55	2,894.40	837.21	WATER WELLS

Well Log No:	2025238	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN

Wells and Additional Sources Detail Report

Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	40	Loc Area:	
Draw Down:		S Water Level:	33
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3447	Total Depth:	100
Street Name:	LOWELL DR	Dt of Completion:	11/25/2009
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	837
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	837.5	Latitude:	39.971833
Case Lengt:	100	Longitude:	-83.095383
Completion:	1259107200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	DYE, WILLIAM		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
202	WNW	0.55	2,913.56	859.06	WATER WELLS

Well Log No:	296171	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	

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Wells and Additional Sources Detail Report

Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	28
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	4269	Total Depth:	95
Street Name:	ONGARO DR	Dt of Completion:	08/02/1963
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	47
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	860
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	859.1	Latitude:	39.983559
Case Lengt:	48	Longitude:	-83.110027
Completion:	-202521600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	FISHER, ROBERT		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
203	NW	0.55	2,929.84	851.69	WATER WELLS

Well Log No:	142712	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	

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Wells and Additional Sources Detail Report

Test Rate:	20	Loc Area:	
Draw Down:		S Water Level:	40
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1550	Total Depth:	148
Street Name:	WILSON RD	Dt of Completion:	12/16/1954
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	138
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	851
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	851.1	Latitude:	39.987006
Case Lengt:	138	Longitude:	-83.106032
Completion:	-474768000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	MCFARLAND, R		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
204	WNW	0.56	2,940.93	856.48	WATER WELLS

Well Log No:	385303	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	8	Loc Area:	

Wells and Additional Sources Detail Report

Draw Down:		S Water Level:	32
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	4248	Total Depth:	86
Street Name:	ONGARO DR	Dt of Completion:	12/30/1968
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	65
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	860
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	856	Latitude:	39.984231
Case Lengt:		Longitude:	-83.109637
Completion:	-31708800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	OLSON, JERRY		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
205	S	0.56	2,946.48	839.60	WATER WELLS

Well Log No:	271153	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	ROCK	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	5	Loc Area:	
Draw Down:		S Water Level:	30

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Wells and Additional Sources Detail Report

Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	875	Total Depth:	120
Street Name:	WILSON RD	Dt of Completion:	11/26/1961
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	117
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	841
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	839.8	Latitude:	39.97105
Case Lengt:	120	Longitude:	-83.09785
Completion:	-255571200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	TURNER, W		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
206	NW	0.56	2,949.91	852.00	WATER WELLS

Well Log No:	188727	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	12	Loc Area:	
Draw Down:		S Water Level:	36
Sub Name:		S Water Meas Pt Cd:	

Wells and Additional Sources Detail Report

Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1648	Total Depth:	139
Street Name:	WILSON RD	Dt of Completion:	09/12/1957
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	851
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	852.5	Latitude:	39.98668
Case Lengt:	139	Longitude:	-83.10674
Completion:	-388281600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	MCFARLAND,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
207	SSE	0.56	2,965.61	827.76	WATER WELLS

Well Log No:	2063522	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	25.6
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	

Wells and Additional Sources Detail Report

Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3535	Total Depth:	35.4
Street Name:	CLIME RD	Dt of Completion:	07/02/2014
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:		Latitude:	39.97275
Case Lengt:	25	Longitude:	-83.09057
Completion:	1404259200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	UNITED DAIRY FARMERS,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
208	SSW	0.56	2,973.84	845.08	WATER WELLS

Well Log No:	2021849	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	12	Loc Area:	
Draw Down:		S Water Level:	42
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	

Wells and Additional Sources Detail Report

Str Direction Code:		Screen Length:	
Street No:	3599	Total Depth:	162
Street Name:	FERRELL PL	Dt of Completion:	03/17/2009
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	92
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	840
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	845	Latitude:	39.970767
Case Lengt:	133	Longitude:	-83.099983
Completion:	1237248000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	MOORE, JOE		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
209	S	0.56	2,974.40	839.27	WATER WELLS

Well Log No:	304221	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	ROCK	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	30
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	

Wells and Additional Sources Detail Report

Street No:	3565	Total Depth:	130
Street Name:	FERRELL PL	Dt of Completion:	12/03/1963
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	88
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	841
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	839.3	Latitude:	39.97087
Case Lengt:	116	Longitude:	-83.09852
Completion:	-191894400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	WINNER HOMES,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
210	SSW	0.57	2,984.46	842.55	WATER WELLS

Well Log No:	2037907	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	15	Loc Area:	
Draw Down:		S Water Level:	42
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3591	Total Depth:	216

Wells and Additional Sources Detail Report

Street Name:	FERRELL PL	Dt of Completion:	04/25/2012
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	133
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	840
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	843.1	Latitude:	39.97075
Case Lengt:	136	Longitude:	-83.0996
Completion:	1335312000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	KNIGHT, JOE		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
211	SSW	0.57	2,996.18	842.48	WATER WELLS

Well Log No:	312093	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	48
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3599	Total Depth:	132
Street Name:	FERRELL DR	Dt of Completion:	09/08/1964

Wells and Additional Sources Detail Report

Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	114
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	840
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	842.9	Latitude:	39.970705
Case Lengt:	131	Longitude:	-83.100024
Completion:	-167702400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	WINNER HOMES,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
212	SSW	0.57	3,021.98	842.89	WATER WELLS

Well Log No:	314415	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	8	Loc Area:	
Draw Down:		S Water Level:	30
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3591	Total Depth:	97
Street Name:	FERRELL DR	Dt of Completion:	06/16/1965
Street Type Code:		Located Ind:	

Wells and Additional Sources Detail Report

Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	95
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	840
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	843.2	Latitude:	39.970644
Case Lengt:	96	Longitude:	-83.099666
Completion:	-143424000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	WINNER HOMES,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
213	W	0.57	3,031.93	864.37	WATER WELLS

Well Log No:	302241	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	20	Loc Area:	
Draw Down:		S Water Level:	18
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1420	Total Depth:	78
Street Name:	HICKORY RUN DR	Dt of Completion:	04/20/1967
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	

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Wells and Additional Sources Detail Report

Sec Add No:		Depth To Bedrock:	44
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	867
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	864.2	Latitude:	39.981803
Case Lengt:	52	Longitude:	-83.111318
Completion:	-85276800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	BOELL, JOHN		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
214	S	0.58	3,049.79	841.37	WATER WELLS

Well Log No:	302230	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	15	Loc Area:	
Draw Down:		S Water Level:	19
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3575	Total Depth:	99
Street Name:	FERRELL PL	Dt of Completion:	02/26/1966
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	69

Wells and Additional Sources Detail Report

City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	840
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	842.1	Latitude:	39.970638
Case Lengt:	71	Longitude:	-83.098714
Completion:	-121392000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	GROOMS, OTTIS		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
215	WNW	0.58	3,069.39	858.69	WATER WELLS

Well Log No:	438493	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	8	Loc Area:	
Draw Down:		S Water Level:	50
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	4266	Total Depth:	82
Street Name:	ONGARO DR	Dt of Completion:	08/01/1974
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	52
City:	FRANKLIN	Drill Year:	

Wells and Additional Sources Detail Report

State Code:		Water Level El:	861
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	858.6	Latitude:	39.984131
Case Lengt:	52	Longitude:	-83.110253
Completion:	144547200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	REED, LARRY		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
216	WNW	0.58	3,086.92	856.12	WATER WELLS

Well Log No:	229305	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	20
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	4287	Total Depth:	51
Street Name:	ONGARO DR	Dt of Completion:	07/25/1959
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	47
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	860

Wells and Additional Sources Detail Report

Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	857.2	Latitude:	39.983613
Case Lengt:	47	Longitude:	-83.110684
Completion:	-329443200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	CRABLE, NEAL		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
217	S	0.59	3,103.81	839.27	WATER WELLS

Well Log No:	215334	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	32
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	853	Total Depth:	45
Street Name:	WILSON RD	Dt of Completion:	06/03/1959
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	840
Zip:		Well Drilled By:	

Wells and Additional Sources Detail Report

Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	839.7	Latitude:	39.97065
Case Lengt:	45	Longitude:	-83.09761
Completion:	-333936000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	WINNER HOMES,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
218	S	0.59	3,107.41	839.23	WATER WELLS

Well Log No:	300780	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	20	Loc Area:	
Draw Down:		S Water Level:	34
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	850	Total Depth:	111
Street Name:	WILSON RD	Dt of Completion:	11/14/1963
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	95
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	840
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	

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Wells and Additional Sources Detail Report

Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	839.5	Latitude:	39.97071
Case Lengt:	97	Longitude:	-83.09726
Completion:	-193536000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	PAUL FRILING CO,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
218	S	0.59	3,107.41	839.23	WATER WELLS

Well Log No:	2009668	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SILT & CLAY	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	10
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	850	Total Depth:	16
Street Name:	WILSON RD	Dt of Completion:	05/08/2007
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	COLUMBUS	Drill Year:	
State Code:		Water Level El:	840
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	

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Wells and Additional Sources Detail Report

Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	839.5	Latitude:	39.97071
Case Lengt:	5	Longitude:	-83.09726
Completion:	1178582400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	BP,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
219	W	0.60	3,141.98	863.87	WATER WELLS

Well Log No:	228214	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	12	Loc Area:	
Draw Down:		S Water Level:	27
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1325	Total Depth:	100
Street Name:	HICKORY RUN DR	Dt of Completion:	08/18/1962
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	96
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	870
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	

Wells and Additional Sources Detail Report

Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	863.9	Latitude:	39.98115
Case Lengt:	96	Longitude:	-83.11188
Completion:	-232675200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	WIDULA, JOE		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
219	W	0.60	3,141.98	863.87	WATER WELLS

Well Log No:	228233	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	12	Loc Area:	
Draw Down:		S Water Level:	27
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1321	Total Depth:	100
Street Name:	HICKORY RUN DR	Dt of Completion:	06/13/1963
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	53
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	870
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	

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Wells and Additional Sources Detail Report

Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	863.9	Latitude:	39.98115
Case Lengt:	53	Longitude:	-83.11188
Completion:	-206841600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	WIDULA, JOE		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
220	WNW	0.60	3,144.65	859.26	WATER WELLS

Well Log No:	559868	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	50
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	4280	Total Depth:	102
Street Name:	ONGARO RD	Dt of Completion:	10/18/1979
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	51
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	860
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	

Wells and Additional Sources Detail Report

Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	859.3	Latitude:	39.984163
Case Lengt:	61	Longitude:	-83.110539
Completion:	309052800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	GEORGE YOUNG BUILDER,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
221	S	0.60	3,158.68	839.50	WATER WELLS

Well Log No:	961085	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SILT & CLAY	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	845	Total Depth:	50
Street Name:	WILSON RD	Dt of Completion:	03/18/2003
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	838
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	

Wells and Additional Sources Detail Report

Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	839.1	Latitude:	39.97051
Case Lengt:	4	Longitude:	-83.09753
Completion:	1047945600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	SHELL STATION,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
221	S	0.60	3,158.68	839.50	WATER WELLS

Well Log No:	961086	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SILT & CLAY	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	845	Total Depth:	26
Street Name:	WILSON RD	Dt of Completion:	03/19/2003
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	838
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	

Wells and Additional Sources Detail Report

Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	839.1	Latitude:	39.97051
Case Lengt:	4	Longitude:	-83.09753
Completion:	1048032000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	SHELL STATION,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
221	S	0.60	3,158.68	839.50	WATER WELLS

Well Log No:	961084	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	845	Total Depth:	14
Street Name:	WILSON RD	Dt of Completion:	03/18/2003
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	838
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	

Wells and Additional Sources Detail Report

Sustained Yield:		Horiz Datum Code:	
Dem Elev:	839.1	Latitude:	39.97051
Case Lengt:	3	Longitude:	-83.09753
Completion:	1047945600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	SHELL STATION,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
221	S	0.60	3,158.68	839.50	WATER WELLS

Well Log No:	961083	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SILT & CLAY	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	845	Total Depth:	22
Street Name:	WILSON RD	Dt of Completion:	03/17/2003
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	838
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	

Wells and Additional Sources Detail Report

Dem Elev:	839.1	Latitude:	39.97051
Case Lengt:	4	Longitude:	-83.09753
Completion:	1047859200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	SHELL STATION,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
222	WNW	0.60	3,189.11	864.50	WATER WELLS

Well Log No:	255867	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	30
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1456	Total Depth:	75
Street Name:	HICKORY RUN DR	Dt of Completion:	08/27/1961
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	54
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	864
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	864.5	Latitude:	39.982639

Wells and Additional Sources Detail Report

Case Lengt:	54	Longitude:	-83.111593
Completion:	-263433600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	LANANA,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
223	W	0.60	3,192.53	864.72	WATER WELLS

Well Log No:	287378	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	15	Loc Area:	
Draw Down:		S Water Level:	27
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1415	Total Depth:	100
Street Name:	HICKORY RUN DR	Dt of Completion:	06/12/1963
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	35
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	869
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	864.5	Latitude:	39.981641
Case Lengt:	52	Longitude:	-83.111951

Wells and Additional Sources Detail Report

Completion:	-206928000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	RICE, CLARENCE		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
224	S	0.61	3,207.22	837.81	WATER WELLS

Well Log No:	821722	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	5.8
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	840	Total Depth:	14
Street Name:	WILSON RD	Dt of Completion:	12/30/1996
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	838
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	838.1	Latitude:	39.97046
Case Lengt:	7	Longitude:	-83.0971
Completion:	851904000000	Changed By:	

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Wells and Additional Sources Detail Report

Draw Down Test Dur:
Sec Owner Name: BP OIL CO.,
Comments:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
224	S	0.61	3,207.22	837.81	WATER WELLS

Well Log No:	821724	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	5
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	840	Total Depth:	24
Street Name:	WILSON RD	Dt of Completion:	12/30/1996
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	6
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	838
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	838.1	Latitude:	39.97046
Case Lengt:	16	Longitude:	-83.0971
Completion:	851904000000	Changed By:	
Draw Down Test Dur:			

Wells and Additional Sources Detail Report

Sec Owner Name: BP OIL CO.,
Comments:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
224	S	0.61	3,207.22	837.81	WATER WELLS

Well Log No:	821723	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	7.2
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	840	Total Depth:	16
Street Name:	WILSON RD	Dt of Completion:	12/30/1996
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	838
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	838.1	Latitude:	39.97046
Case Lengt:	10	Longitude:	-83.0971
Completion:	851904000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	BP OIL CO.,		

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Wells and Additional Sources Detail Report

Comments:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
225	W	0.61	3,221.75	866.09	WATER WELLS

Well Log No:	854969	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	30
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1412	Total Depth:	142
Street Name:	HICKORY RUN DR	Dt of Completion:	06/06/1997
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	53
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	866
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	866.1	Latitude:	39.98238
Case Lengt:	56	Longitude:	-83.11182
Completion:	865555200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	GEORGE, JERRY		
Comments:			

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
225	W	0.61	3,221.75	866.09	WATER WELLS

Well Log No:	859191	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	15	Loc Area:	
Draw Down:		S Water Level:	40
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1412	Total Depth:	162
Street Name:	HICKORY RUN DR	Dt of Completion:	08/11/1997
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	48
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	866
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	866.1	Latitude:	39.98238
Case Lengt:	57	Longitude:	-83.11182
Completion:	871257600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	GEORGE, JERRY		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

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226	S	0.61	3,222.01	840.22	WATER WELLS

Well Log No:	339961	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	20	Loc Area:	
Draw Down:		S Water Level:	30
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	815	Total Depth:	94
Street Name:	WILSON RD	Dt of Completion:	12/17/1965
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	87
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	837
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	840	Latitude:	39.97035
Case Lengt:	87	Longitude:	-83.09743
Completion:	-127526400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	JOWETT, JOHN		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
226	S	0.61	3,222.01	840.22	WATER WELLS

Wells and Additional Sources Detail Report

Well Log No:	314368	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	8	Loc Area:	
Draw Down:		S Water Level:	38
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	827	Total Depth:	92
Street Name:	WILSON RD	Dt of Completion:	06/15/1965
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	837
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	840	Latitude:	39.97035
Case Lengt:	92	Longitude:	-83.09743
Completion:	-143510400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	WINNER HOMES,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
227	WNW	0.61	3,246.01	864.52	WATER WELLS

Wells and Additional Sources Detail Report

Well Log No:	326197	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	15	Loc Area:	
Draw Down:		S Water Level:	32
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1470	Total Depth:	96
Street Name:	HICKORY RUN DR	Dt of Completion:	07/16/1968
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	51
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	863
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	864.1	Latitude:	39.982891
Case Lengt:	58	Longitude:	-83.111695
Completion:	-46137600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	RUSSELL, ROBERT		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
228	ESE	0.62	3,250.20	803.02	WATER WELLS

Well Log No:	686220	Pump Type:	

Wells and Additional Sources Detail Report

Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	12
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1015	Total Depth:	75
Street Name:	CROMWELL AVE	Dt of Completion:	08/26/1988
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	15
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	801
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	802.7	Latitude:	39.97476
Case Lengt:	38	Longitude:	-83.084822
Completion:	588556800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	CASTO, CLARENCE		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
229	NW	0.62	3,253.53	852.46	WATER WELLS

Well Log No:	257136	Pump Type:	
Permit No:		Pump Capacity:	

Wells and Additional Sources Detail Report

Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	15	Loc Area:	
Draw Down:		S Water Level:	32
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:		Total Depth:	120
Street Name:	WILSON/TRABUE RD	Dt of Completion:	09/16/1961
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	55
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	853
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	852.5	Latitude:	39.987145
Case Lengt:	77	Longitude:	-83.107714
Completion:	-261705600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	STANDARD OIL CO,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
230	WNW	0.62	3,263.29	864.22	WATER WELLS

Well Log No:	255898	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	

Wells and Additional Sources Detail Report

Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	20	Loc Area:	
Draw Down:		S Water Level:	34
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1444	Total Depth:	87
Street Name:	HICKORY RUN	Dt of Completion:	09/10/1963
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	49
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	865
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	864.8	Latitude:	39.98257
Case Lengt:	49	Longitude:	-83.1119
Completion:	-199152000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	CROFF, DONALD		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
231	NW	0.62	3,277.35	850.31	WATER WELLS

Well Log No:	862078	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	

Wells and Additional Sources Detail Report

Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	3.3
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	4101	Total Depth:	22
Street Name:	TRABUE RD	Dt of Completion:	02/18/1997
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	852
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	850.1	Latitude:	39.9874
Case Lengt:	7	Longitude:	-83.10744
Completion:	856224000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	BP OIL,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
231	NW	0.62	3,277.35	850.31	WATER WELLS

Well Log No:	862077	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	

Wells and Additional Sources Detail Report

Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	7.9
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	4101	Total Depth:	20
Street Name:	TRABUE RD	Dt of Completion:	02/17/1997
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	852
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	850.1	Latitude:	39.9874
Case Lengt:	15	Longitude:	-83.10744
Completion:	856137600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	BP OIL,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
232	WNW	0.62	3,278.71	864.93	WATER WELLS

Well Log No:	281940	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

Wells and Additional Sources Detail Report

Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	12	Loc Area:	
Draw Down:		S Water Level:	28
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1486	Total Depth:	90
Street Name:	HICKORY RUN DR	Dt of Completion:	09/24/1962
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	43
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	860
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	864.1	Latitude:	39.983144
Case Lengt:	46	Longitude:	-83.111697
Completion:	-229478400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	BORROR, RAY		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
233	WNW	0.62	3,279.70	865.06	WATER WELLS

Well Log No:	907946	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	

Wells and Additional Sources Detail Report

Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	30	Loc Area:	
Draw Down:		S Water Level:	45
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1456	Total Depth:	102
Street Name:	HICKORY RUN RD	Dt of Completion:	05/17/2000
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	37
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	864
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	865.1	Latitude:	39.98267
Case Lengt:	48	Longitude:	-83.11192
Completion:	958521600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	LOMANO , MIKE		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
234	WNW	0.62	3,295.46	859.94	WATER WELLS

Well Log No:	302222	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	

Wells and Additional Sources Detail Report

Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	20	Loc Area:	
Draw Down:		S Water Level:	29
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1567	Total Depth:	72
Street Name:	ONGARO RD	Dt of Completion:	10/20/1965
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	60
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	860
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	859.8	Latitude:	39.983923
Case Lengt:	61	Longitude:	-83.111315
Completion:	-132537600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	CRAB, NEAL		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
235	W	0.63	3,309.37	865.59	WATER WELLS

Well Log No:	284371	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	

Wells and Additional Sources Detail Report

Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	20	Loc Area:	
Draw Down:		S Water Level:	28
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1455	Total Depth:	102
Street Name:	HICKORY RUN RD	Dt of Completion:	10/18/1962
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	44
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	866
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	865	Latitude:	39.982384
Case Lengt:	45	Longitude:	-83.112144
Completion:	-227404800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	RIFE, DAVE		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
236	ESE	0.63	3,312.57	808.01	WATER WELLS

Well Log No:	63652	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN

Wells and Additional Sources Detail Report

Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	20
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1009	Total Depth:	36
Street Name:	HAGUE AVE	Dt of Completion:	07/20/1949
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	807
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	808	Latitude:	39.97581
Case Lengt:	36	Longitude:	-83.08331
Completion:	-645408000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	CAPTAIN, E		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
238	S	0.63	3,339.67	839.00	WATER WELLS

Well Log No:	298103	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	ROCK	Township Code:	

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Wells and Additional Sources Detail Report

Flowing Well Ind:		Loc Map Year:	
Test Rate:	11	Loc Area:	
Draw Down:		S Water Level:	29
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	799	Total Depth:	96
Street Name:	WILSON RD	Dt of Completion:	06/23/1963
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	95
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	839
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	838.9	Latitude:	39.97005
Case Lengt:	90	Longitude:	-83.09726
Completion:	-205977600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	BURGESS BROS,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
239	W	0.63	3,347.96	865.97	WATER WELLS

Well Log No:	2076181	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AIR ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	

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Wells and Additional Sources Detail Report

Test Rate:	70	Loc Area:	
Draw Down:		S Water Level:	43
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1400	Total Depth:	160
Street Name:	WHITE ASH DR	Dt of Completion:	09/27/2019
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	845
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:		Latitude:	39.98092
Case Lengt:	50	Longitude:	-83.11266
Completion:	1569542400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	SNYDER, BRENT		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
240	N	0.64	3,373.04	832.43	WATER WELLS

Well Log No:	97230	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	FILL MATERIAL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	3	Loc Area:	

Wells and Additional Sources Detail Report

Draw Down:		S Water Level:	30
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:		Total Depth:	113
Street Name:	TRABUE RD	Dt of Completion:	08/01/1952
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	85
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	831
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	832.6	Latitude:	39.990367
Case Lengt:	96	Longitude:	-83.098241
Completion:	-549676800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	BARTELS, JOHN		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
241	W	0.64	3,376.92	866.04	WATER WELLS

Well Log No:	255893	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	20	Loc Area:	
Draw Down:		S Water Level:	31

Wells and Additional Sources Detail Report

Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1400	Total Depth:	102
Street Name:	WHITE ASH DR	Dt of Completion:	06/06/1963
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	40
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	869
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	866.5	Latitude:	39.981541
Case Lengt:	46	Longitude:	-83.112646
Completion:	-207446400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	CRABBE, NEAL		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
242	WNW	0.64	3,379.65	863.03	WATER WELLS

Well Log No:	346524	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	80
Sub Name:		S Water Meas Pt Cd:	

Wells and Additional Sources Detail Report

Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1600	Total Depth:	107
Street Name:	ONGARO DR	Dt of Completion:	09/29/1966
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	97
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	863
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	862.7	Latitude:	39.984905
Case Lengt:	98	Longitude:	-83.110935
Completion:	-102816000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	MELORGNO, GEORGE		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
243	W	0.64	3,393.12	866.93	WATER WELLS

Well Log No:	257188	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	15	Loc Area:	
Draw Down:		S Water Level:	34
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	

Wells and Additional Sources Detail Report

Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1388	Total Depth:	89
Street Name:	WHITE ASH DR	Dt of Completion:	05/15/1962
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	43
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	870
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	866.8	Latitude:	39.981128
Case Lengt:	48	Longitude:	-83.112789
Completion:	-240883200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	THE ANDOVER CONST CO,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
244	WNW	0.64	3,394.27	863.92	WATER WELLS

Well Log No:	257152	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	15	Loc Area:	
Draw Down:		S Water Level:	35
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	

Wells and Additional Sources Detail Report

Str Direction Code:		Screen Length:	
Street No:	1470	Total Depth:	110
Street Name:	WHITE ASH DR	Dt of Completion:	11/06/1961
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	39
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	864
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	863.7	Latitude:	39.982762
Case Lengt:	41	Longitude:	-83.112311
Completion:	-257299200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	DAY-LOR BUILDERS,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
245	W	0.65	3,409.22	866.83	WATER WELLS

Well Log No:	255894	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	20	Loc Area:	
Draw Down:		S Water Level:	29
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	

Wells and Additional Sources Detail Report

Street No:	1410	Total Depth:	102
Street Name:	WHITE ASH DR	Dt of Completion:	06/08/1963
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	42
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	867
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	866.7	Latitude:	39.981969
Case Lengt:	42	Longitude:	-83.11265
Completion:	-207273600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	CRABBE, NEAL		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
246	W	0.65	3,429.94	865.81	WATER WELLS

Well Log No:	302223	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	20	Loc Area:	
Draw Down:		S Water Level:	32
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1428	Total Depth:	94

Wells and Additional Sources Detail Report

Street Name:	WHITE ASH DR	Dt of Completion:	10/26/1965
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	63
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	866
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	866	Latitude:	39.982318
Case Lengt:	63	Longitude:	-83.112614
Completion:	-132019200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	CRABBE, NEAL		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
247	WNW	0.66	3,464.12	863.63	WATER WELLS

Well Log No:	939917	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	40	Loc Area:	
Draw Down:		S Water Level:	41
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1591	Total Depth:	118
Street Name:	ONGARO DR	Dt of Completion:	07/19/2002

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Wells and Additional Sources Detail Report

Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	51
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	864
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	863.8	Latitude:	39.98461
Case Lengt:	102	Longitude:	-83.11152
Completion:	1027036800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	ASBURY, CATHERINE		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
248	WNW	0.66	3,474.68	864.26	WATER WELLS

Well Log No:	2005199	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	40
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	4280	Total Depth:	102
Street Name:	ONGARO DR	Dt of Completion:	09/18/2006
Street Type Code:		Located Ind:	

Wells and Additional Sources Detail Report

Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	100
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	863
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	863.4	Latitude:	39.98426
Case Lengt:	59	Longitude:	-83.11181
Completion:	1158537600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	MOORE, KEN		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
249	W	0.66	3,477.70	868.03	WATER WELLS

Well Log No:	255875	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	15	Loc Area:	
Draw Down:		S Water Level:	28
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	4303	Total Depth:	96
Street Name:	WHITE ASH DR	Dt of Completion:	06/21/1962
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	

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Wells and Additional Sources Detail Report

Sec Add No:		Depth To Bedrock:	89
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	871
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	867.9	Latitude:	39.980987
Case Lengt:	89	Longitude:	-83.113116
Completion:	-237686400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	CRABB, NEAL		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
251	WNW	0.66	3,491.52	864.41	WATER WELLS

Well Log No:	284372	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	20	Loc Area:	
Draw Down:		S Water Level:	30
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1450	Total Depth:	90
Street Name:	WHITE ASH DR	Dt of Completion:	10/22/1962
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	40

Wells and Additional Sources Detail Report

City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	864
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	864.1	Latitude:	39.98265
Case Lengt:	42	Longitude:	-83.11272
Completion:	-227059200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	RIFE, DAVE		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
252	WNW	0.66	3,492.54	862.98	WATER WELLS

Well Log No:	247825	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	12	Loc Area:	
Draw Down:		S Water Level:	35
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1493	Total Depth:	75
Street Name:	HICKORY RUN DR	Dt of Completion:	10/06/1960
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	42
City:	FRANKLIN	Drill Year:	

Wells and Additional Sources Detail Report

State Code:		Water Level El:	860
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	863.2	Latitude:	39.983299
Case Lengt:	43	Longitude:	-83.112437
Completion:	-291513600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	SYNDER, CHARLES		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
253	WNW	0.66	3,503.45	864.10	WATER WELLS

Well Log No:	229349	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	32
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1605	Total Depth:	96
Street Name:	ONGARO DR	Dt of Completion:	11/01/1960
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	78
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	865

Wells and Additional Sources Detail Report

Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	864.2	Latitude:	39.984789
Case Lengt:	91	Longitude:	-83.111547
Completion:	-289267200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	MILANO, TONY		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
254	S	0.67	3,524.72	841.08	WATER WELLS

Well Log No:	62967	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	24
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1165	Total Depth:	45
Street Name:	GRACE ST	Dt of Completion:	09/05/1949
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	842
Zip:		Well Drilled By:	

Wells and Additional Sources Detail Report

Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	841.5	Latitude:	39.969309
Case Lengt:	45	Longitude:	-83.098874
Completion:	-641347200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	POST,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
255	SE	0.67	3,535.08	815.52	WATER WELLS

Well Log No:	544423	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	20	Loc Area:	
Draw Down:		S Water Level:	11
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	777	Total Depth:	59
Street Name:	WILLOW BEND LN	Dt of Completion:	02/28/1979
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	812
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	

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Wells and Additional Sources Detail Report

Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	816.8	Latitude:	39.97166
Case Lengt:	59	Longitude:	-83.08877
Completion:	289008000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	BUCHANAN, HAROLD		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
256	WNW	0.68	3,565.29	864.70	WATER WELLS

Well Log No:	729407	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	CABLE TOOL	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	40	Loc Area:	
Draw Down:		S Water Level:	45
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1636	Total Depth:	130
Street Name:	ONGARO DR	Dt of Completion:	09/19/1991
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	120
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	864
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	

Wells and Additional Sources Detail Report

Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	864.7	Latitude:	39.98537
Case Lengt:		Longitude:	-83.11133
Completion:	685238400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	KENOYER, TIM		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
257	WNW	0.68	3,588.37	865.19	WATER WELLS

Well Log No:	255866	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	32
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1473	Total Depth:	83
Street Name:	WHITE ASH	Dt of Completion:	08/07/1961
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	52
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	861
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	

Wells and Additional Sources Detail Report

Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	865.4	Latitude:	39.983074
Case Lengt:	52	Longitude:	-83.112906
Completion:	-265161600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	SWINFORD, LESS		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
258	W	0.68	3,591.68	868.99	WATER WELLS

Well Log No:	499375	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	40
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	4321	Total Depth:	101
Street Name:	WHITE ASH DR	Dt of Completion:	11/12/1976
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	80
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	872
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	

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Wells and Additional Sources Detail Report

Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	869.3	Latitude:	39.980858
Case Lengt:	85	Longitude:	-83.113543
Completion:	216604800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	GEORGE, JERRY		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
259	W	0.68	3,594.54	868.99	WATER WELLS

Well Log No:	2029245	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	42
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	4303	Total Depth:	90
Street Name:	WHITE ASH DR	Dt of Completion:	09/29/2010
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	45
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	872
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	

Wells and Additional Sources Detail Report

Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	868.9	Latitude:	39.980883
Case Lengt:	54	Longitude:	-83.11355
Completion:	1285718400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	BARTLEY, JESSA		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
260	WNW	0.68	3,607.23	865.15	WATER WELLS

Well Log No:	941353	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	15	Loc Area:	
Draw Down:		S Water Level:	70
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1650	Total Depth:	242
Street Name:	ONGARO DR	Dt of Completion:	01/25/2002
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	114
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	864
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	

Wells and Additional Sources Detail Report

Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	864.2	Latitude:	39.98554
Case Lengt:	142	Longitude:	-83.11136
Completion:	1011916800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	KONYER, TIM		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
261	W	0.68	3,609.31	867.93	WATER WELLS

Well Log No:	255873	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	15	Loc Area:	
Draw Down:		S Water Level:	20
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1443	Total Depth:	87
Street Name:	WHITE ASH DR	Dt of Completion:	03/27/1962
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	41
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	866
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	

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Wells and Additional Sources Detail Report

Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	868.2	Latitude:	39.982331
Case Lengt:	41	Longitude:	-83.113271
Completion:	-245116800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	CRABB, DONALD		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
262	W	0.68	3,613.34	867.76	WATER WELLS

Well Log No:	344574	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	15	Loc Area:	
Draw Down:		S Water Level:	35
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	4300	Total Depth:	85
Street Name:	WHITE ASH DR	Dt of Completion:	07/05/1966
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	45
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	870
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	

Wells and Additional Sources Detail Report

Sustained Yield:		Horiz Datum Code:	
Dem Elev:	868.3	Latitude:	39.981506
Case Lengt:		Longitude:	-83.11351
Completion:	-110246400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	NEFF, J		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
263	WNW	0.69	3,621.14	866.91	WATER WELLS

Well Log No:	354957	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	15	Loc Area:	
Draw Down:		S Water Level:	40
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1465	Total Depth:	102
Street Name:	WHITE ASH DR	Dt of Completion:	08/19/1966
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	38
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	863
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	

Wells and Additional Sources Detail Report

Dem Elev:	867	Latitude:	39.982677
Case Lengt:	40	Longitude:	-83.113192
Completion:	-106358400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	BASIL, ROBERT		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
264	SE	0.69	3,647.27	814.10	WATER WELLS

Well Log No:	335361	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	20
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3232	Total Depth:	44
Street Name:	PONDEROSA	Dt of Completion:	07/13/1965
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	808
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	814.5	Latitude:	39.972247

Wells and Additional Sources Detail Report

Case Lengt:	44	Longitude:	-83.086646
Completion:	-141091200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	CORDELL, L		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
265	W	0.69	3,667.75	867.73	WATER WELLS

Well Log No:	2040885	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	40	Loc Area:	
Draw Down:		S Water Level:	41
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1465	Total Depth:	122
Street Name:	WHITE ASH DR	Dt of Completion:	11/26/2012
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	41
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	865
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	868.3	Latitude:	39.98238
Case Lengt:	49	Longitude:	-83.11347

Wells and Additional Sources Detail Report

Completion:	1353888000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	PICKNELL, MARK		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
266	S	0.70	3,672.91	836.87	WATER WELLS

Well Log No:	119167	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	STONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	65
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	753	Total Depth:	81
Street Name:	WILSON RD	Dt of Completion:	08/18/1954
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	73
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	839
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	836.7	Latitude:	39.969167
Case Lengt:	74	Longitude:	-83.096949
Completion:	-485136000000	Changed By:	

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Wells and Additional Sources Detail Report

Draw Down Test Dur:
Sec Owner Name: DICK, ROBERT
Comments:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
267	SE	0.70	3,676.92	819.19	WATER WELLS

Well Log No:	1002361	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	30	Loc Area:	
Draw Down:		S Water Level:	21
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	777	Total Depth:	60
Street Name:	WILLOW BEND LN	Dt of Completion:	12/26/2006
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	816
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	819.2	Latitude:	39.971389
Case Lengt:	56	Longitude:	-83.088333
Completion:	1167091200000	Changed By:	
Draw Down Test Dur:			

Wells and Additional Sources Detail Report

Sec Owner Name: BUCHANAN, HAROLD
Comments:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
268	SE	0.70	3,690.40	818.88	WATER WELLS

Well Log No:	296161	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	15	Loc Area:	
Draw Down:		S Water Level:	27
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3238	Total Depth:	78
Street Name:	PONDEROSA DR	Dt of Completion:	07/03/1963
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	67
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	812
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	818.8	Latitude:	39.971905
Case Lengt:	67	Longitude:	-83.087036
Completion:	-205113600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	GILLEY, RICHARD		

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Wells and Additional Sources Detail Report

Comments:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
269	WNW	0.70	3,690.66	863.47	WATER WELLS

Well Log No:	243939	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	24
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	4310	Total Depth:	117
Street Name:	OAKVIEW DR	Dt of Completion:	10/19/1960
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	109
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	865
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	863.6	Latitude:	39.985469
Case Lengt:	110	Longitude:	-83.111782
Completion:	-290390400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	GEO MOOR & SONS,		
Comments:			

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
271	NW	0.70	3,701.77	854.12	WATER WELLS

Well Log No:	653728	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	42
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1735	Total Depth:	102
Street Name:	WILSON RD	Dt of Completion:	05/19/1988
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	60
City:	NORWICH	Drill Year:	
State Code:		Water Level El:	854
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	853.6	Latitude:	39.98842
Case Lengt:	65	Longitude:	-83.1082
Completion:	580003200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	SHEA, GEORGE		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

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Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
272	SE	0.70	3,716.41	821.46	WATER WELLS

Well Log No:	618670	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	20	Loc Area:	
Draw Down:		S Water Level:	28
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	750	Total Depth:	63
Street Name:	WILLOW BEND LN	Dt of Completion:	08/28/1985
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	817
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	821.7	Latitude:	39.971306
Case Lengt:	63	Longitude:	-83.088233
Completion:	494035200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	MARIO PONCHETLI BUIL,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
273	S	0.70	3,718.78	837.43	WATER WELLS

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Wells and Additional Sources Detail Report

Well Log No:	156407	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	22
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	717	Total Depth:	87
Street Name:	WILSON RD	Dt of Completion:	07/27/1955
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	75
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	838
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	837.5	Latitude:	39.96909
Case Lengt:	75	Longitude:	-83.09669
Completion:	-455500800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	KOPPENHAVEN, H		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
274	SE	0.70	3,721.39	815.71	WATER WELLS

Wells and Additional Sources Detail Report

Well Log No:	312070	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	15	Loc Area:	
Draw Down:		S Water Level:	27
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3216	Total Depth:	47
Street Name:	PONDEROSA DR	Dt of Completion:	05/22/1964
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	811
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	815.7	Latitude:	39.972213
Case Lengt:	47	Longitude:	-83.086253
Completion:	-177120000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	ADRIAN, CHUCK		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
275	WNW	0.71	3,736.25	861.91	WATER WELLS

Well Log No:	930751	Pump Type:	

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Wells and Additional Sources Detail Report

Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	CLAY/SAND/GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	30	Loc Area:	
Draw Down:		S Water Level:	46
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	4265	Total Depth:	142
Street Name:	TRABUE RD	Dt of Completion:	07/23/2001
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	114
City:	PRAIRIE	Drill Year:	
State Code:		Water Level El:	861
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	861.7	Latitude:	39.98613
Case Lengt:	123	Longitude:	-83.11137
Completion:	995846400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	SPOHN, WILLIAM		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
276	SE	0.71	3,766.53	821.82	WATER WELLS

Well Log No:	326526	Pump Type:	
Permit No:		Pump Capacity:	

Wells and Additional Sources Detail Report

Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	20	Loc Area:	
Draw Down:		S Water Level:	9
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3290	Total Depth:	73
Street Name:	PONDEROSA DR	Dt of Completion:	06/16/1965
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	819
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	821.8	Latitude:	39.97126
Case Lengt:	73	Longitude:	-83.087954
Completion:	-143424000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	MARTIN, JIM		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
277	SE	0.72	3,784.45	818.03	WATER WELLS

Well Log No:	771391	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	

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Wells and Additional Sources Detail Report

Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	CABLE TOOL	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	12	Loc Area:	
Draw Down:		S Water Level:	32
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3216	Total Depth:	56
Street Name:	PONDEROSA DR	Dt of Completion:	05/01/1994
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	814
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	818.5	Latitude:	39.97152
Case Lengt:	56	Longitude:	-83.08721
Completion:	767750400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	ARRASMITH, JAMES		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
278	SE	0.73	3,836.42	820.97	WATER WELLS

Well Log No:	706217	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	

Wells and Additional Sources Detail Report

Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	CABLE TOOL	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	20	Loc Area:	
Draw Down:		S Water Level:	16
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3258	Total Depth:	52
Street Name:	PONDEROSA DR	Dt of Completion:	01/20/1992
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	819
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	821.1	Latitude:	39.97117
Case Lengt:	52	Longitude:	-83.08764
Completion:	695865600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	WILLIAMS, RANDY		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
279	WNW	0.73	3,838.80	864.31	WATER WELLS

Well Log No:	210148	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	

Wells and Additional Sources Detail Report

Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	18	Loc Area:	
Draw Down:		S Water Level:	32
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	4318	Total Depth:	100
Street Name:	OAKVIEW DR	Dt of Completion:	07/20/1960
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	867
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	864.3	Latitude:	39.985512
Case Lengt:	100	Longitude:	-83.112375
Completion:	-298252800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	BRIGGS, HARRY		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
279	WNW	0.73	3,838.80	864.31	WATER WELLS

Well Log No:	605377	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	

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Wells and Additional Sources Detail Report

Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	39
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	4318	Total Depth:	121
Street Name:	OAKVIEW DR	Dt of Completion:	09/29/1981
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	99
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	867
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	864.3	Latitude:	39.985512
Case Lengt:	104	Longitude:	-83.112375
Completion:	370569600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	BRIGGS, HARRY		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
282	NW	0.74	3,931.95	858.35	WATER WELLS

Well Log No:	55860	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	

Wells and Additional Sources Detail Report

Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	6	Loc Area:	
Draw Down:		S Water Level:	32
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:		Total Depth:	85
Street Name:	WILSON RD	Dt of Completion:	04/22/1949
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	52
City:	NORWICH	Drill Year:	
State Code:		Water Level El:	857
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	857.9	Latitude:	39.988442
Case Lengt:	52	Longitude:	-83.109467
Completion:	-653097600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	UNIT-BUILT HOMES,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
283	WNW	0.75	3,934.28	864.16	WATER WELLS

Well Log No:	229350	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	

Wells and Additional Sources Detail Report

Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	33
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	4326	Total Depth:	105
Street Name:	OAKVIEW	Dt of Completion:	11/01/1960
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	101
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	869
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	864.1	Latitude:	39.985447
Case Lengt:	101	Longitude:	-83.112827
Completion:	-289267200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	HARBOR, CHARLES		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
284	S	0.75	3,940.53	835.62	WATER WELLS

Well Log No:	274099	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	

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Wells and Additional Sources Detail Report

Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	27
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	730	Total Depth:	43
Street Name:	WILSON RD	Dt of Completion:	10/31/1962
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	835
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	835.1	Latitude:	39.96861
Case Lengt:	43	Longitude:	-83.09601
Completion:	-226281600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	BALL, C		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
285	SE	0.75	3,952.84	818.64	WATER WELLS

Well Log No:	312195	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN

Wells and Additional Sources Detail Report

Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	8	Loc Area:	
Draw Down:		S Water Level:	31
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3233	Total Depth:	64
Street Name:	PONDEROSA DR	Dt of Completion:	05/16/1966
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	61
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	811
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	818.3	Latitude:	39.971314
Case Lengt:	62	Longitude:	-83.086499
Completion:	-114566400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	SCOLES, DON		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
286	SSE	0.75	3,952.97	824.40	WATER WELLS

Well Log No:	446116	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	

Wells and Additional Sources Detail Report

Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	15
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	745	Total Depth:	75
Street Name:	NIXON DR	Dt of Completion:	11/09/1972
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	822
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	824.6	Latitude:	39.970514
Case Lengt:	75	Longitude:	-83.088444
Completion:	90115200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	BALL BUILDERS,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
287	SE	0.75	3,953.82	819.26	WATER WELLS

Well Log No:	286274	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	

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Wells and Additional Sources Detail Report

Test Rate:		Loc Area:	
Draw Down:		S Water Level:	35
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3241	Total Depth:	72
Street Name:	PONDEROSA	Dt of Completion:	09/19/1963
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	60
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	813
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	819.2	Latitude:	39.971173
Case Lengt:	60	Longitude:	-83.086787
Completion:	-198374400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	GRANT, J		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
288	SE	0.75	3,981.97	819.83	WATER WELLS

Well Log No:	286260	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	

Wells and Additional Sources Detail Report

Draw Down:		S Water Level:	6
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3255	Total Depth:	36
Street Name:	PONDEROSA DR	Dt of Completion:	03/04/1963
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	814
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	819.8	Latitude:	39.97096
Case Lengt:	36	Longitude:	-83.08706
Completion:	-215568000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	DITTMAN, PAUL		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
289	SE	0.76	4,020.75	821.82	WATER WELLS

Well Log No:	296326	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	21

Wells and Additional Sources Detail Report

Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3267	Total Depth:	37
Street Name:	PONDEROSA DR	Dt of Completion:	05/08/1964
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	817
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	822.2	Latitude:	39.970711
Case Lengt:	37	Longitude:	-83.087361
Completion:	-178329600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	GUZZO, JOHN		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
290	NNW	0.76	4,027.81	836.40	WATER WELLS

Well Log No:	9925455	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	50	Loc Area:	
Draw Down:		S Water Level:	21
Sub Name:		S Water Meas Pt Cd:	

Wells and Additional Sources Detail Report

Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:		Total Depth:	300
Street Name:	TRABUE/WILSON RD	Dt of Completion:	01/24/1952
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	63
City:	NORWICH	Drill Year:	
State Code:		Water Level El:	839
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	836.1	Latitude:	39.990974
Case Lengt:	64	Longitude:	-83.104036
Completion:	-566092800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	CITY OF COLUMBUS,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
291	SSE	0.77	4,083.14	820.54	WATER WELLS

Well Log No:	287388	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	20	Loc Area:	
Draw Down:		S Water Level:	18
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	

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Wells and Additional Sources Detail Report

Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3293	Total Depth:	80
Street Name:	PONDEROSA DR	Dt of Completion:	08/30/1963
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	70
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	817
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	821	Latitude:	39.970375
Case Lengt:	70	Longitude:	-83.087729
Completion:	-200102400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	LOMBARD, RALPH		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
292	SSW	0.79	4,155.67	844.75	WATER WELLS

Well Log No:	968283	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	CLAY & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	

Wells and Additional Sources Detail Report

Str Direction Code:		Screen Length:	
Street No:	3849	Total Depth:	8
Street Name:	FISHER RD	Dt of Completion:	09/29/2003
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	847
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	844.8	Latitude:	39.96763
Case Lengt:	3	Longitude:	-83.10228
Completion:	1064793600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	ASHLAND CHEMICAL,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
293	S	0.80	4,207.68	834.23	WATER WELLS

Well Log No:	122722	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	ROCK	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	22
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	

Wells and Additional Sources Detail Report

Street No:	710	Total Depth:	99
Street Name:	WILSON RD	Dt of Completion:	12/18/1954
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	72
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	831
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	833.3	Latitude:	39.967955
Case Lengt:		Longitude:	-83.095544
Completion:	-474595200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	ONEAL,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
294	SW	0.81	4,251.07	857.27	WATER WELLS

Well Log No:	904778	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	4033	Total Depth:	37

Wells and Additional Sources Detail Report

Street Name:	FISHER RD	Dt of Completion:	03/08/2000
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	PRAIRIE	Drill Year:	
State Code:		Water Level El:	857
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	857.2	Latitude:	39.96847
Case Lengt:	5	Longitude:	-83.10696
Completion:	952473600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	CLARK OIL & REFINING,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
294	SW	0.81	4,251.07	857.27	WATER WELLS

Well Log No:	904781	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	CLAY & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	4033	Total Depth:	15
Street Name:	FISHER RD	Dt of Completion:	03/09/2000

Wells and Additional Sources Detail Report

Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	PRAIRIE	Drill Year:	
State Code:		Water Level El:	857
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	857.2	Latitude:	39.96847
Case Lengt:	5	Longitude:	-83.10696
Completion:	952560000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	CLARK OIL & REFINING,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
294	SW	0.81	4,251.07	857.27	WATER WELLS

Well Log No:	904776	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & CLAY	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	4033	Total Depth:	21
Street Name:	FISHER RD	Dt of Completion:	03/07/2000
Street Type Code:		Located Ind:	

Wells and Additional Sources Detail Report

Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	PRAIRIE	Drill Year:	
State Code:		Water Level El:	857
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	857.2	Latitude:	39.96847
Case Lengt:	5	Longitude:	-83.10696
Completion:	952387200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	CLARK OIL & REFINING,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
294	SW	0.81	4,251.07	857.27	WATER WELLS

Well Log No:	904779	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	CLAY	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	4033	Total Depth:	15
Street Name:	FISHER RD	Dt of Completion:	03/08/2000
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	

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Wells and Additional Sources Detail Report

Sec Add No:		Depth To Bedrock:	
City:	PRAIRIE	Drill Year:	
State Code:		Water Level El:	857
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	857.2	Latitude:	39.96847
Case Lengt:	4	Longitude:	-83.10696
Completion:	952473600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	CLARK OIL & REFINING,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
294	SW	0.81	4,251.07	857.27	WATER WELLS

Well Log No:	904777	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	CLAY	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	4033	Total Depth:	17
Street Name:	FISHER RD	Dt of Completion:	03/07/2000
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	

Wells and Additional Sources Detail Report

City:	TRURO	Drill Year:	
State Code:		Water Level El:	857
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	857.2	Latitude:	39.96847
Case Lengt:	4	Longitude:	-83.10696
Completion:	952387200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	CLARK OIL & REFINING,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
294	SW	0.81	4,251.07	857.27	WATER WELLS

Well Log No:	904780	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	CLAY	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	4033	Total Depth:	15
Street Name:	FISHER RD	Dt of Completion:	03/09/2000
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	PRAIRIE	Drill Year:	

Wells and Additional Sources Detail Report

State Code:		Water Level El:	857
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	857.2	Latitude:	39.96847
Case Lengt:	5	Longitude:	-83.10696
Completion:	952560000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	CLARK OIL & REFINING,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
295	SSW	0.81	4,285.70	854.04	WATER WELLS

Well Log No:	645643	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	18
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	4005	Total Depth:	102
Street Name:	FISHER RD	Dt of Completion:	08/03/1984
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	57
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	856

Wells and Additional Sources Detail Report

Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	854	Latitude:	39.968168
Case Lengt:	63	Longitude:	-83.106413
Completion:	460339200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	DUBLIN PLUMBING CO,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
296	SE	0.82	4,306.41	817.41	WATER WELLS

Well Log No:	274101	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	24
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3250	Total Depth:	42
Street Name:	FISHER RD	Dt of Completion:	11/01/1962
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	813
Zip:		Well Drilled By:	

Wells and Additional Sources Detail Report

Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	817.2	Latitude:	39.970264
Case Lengt:	42	Longitude:	-83.086312
Completion:	-226195200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	SOUTH, ROBERT		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
297	S	0.82	4,323.63	839.66	WATER WELLS

Well Log No:	912577	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3580	Total Depth:	15
Street Name:	FISHER RD	Dt of Completion:	04/19/2000
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	NORWICH	Drill Year:	
State Code:		Water Level El:	840
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	

Wells and Additional Sources Detail Report

Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	839.3	Latitude:	39.96717
Case Lengt:	5	Longitude:	-83.09813
Completion:	956102400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	COMMERCIAL MOVERS ,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
297	S	0.82	4,323.63	839.66	WATER WELLS

Well Log No:	912576	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL/SAND/CLAY	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3580	Total Depth:	18
Street Name:	FISHER RD	Dt of Completion:	04/19/2000
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	NORWICH	Drill Year:	
State Code:		Water Level El:	840
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	

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Wells and Additional Sources Detail Report

Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	839.3	Latitude:	39.96717
Case Lengt:	8	Longitude:	-83.09813
Completion:	956102400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	COMMERCIAL MOVERS ,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
297	S	0.82	4,323.63	839.66	WATER WELLS

Well Log No:	912578	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL/SAND/CLAY	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3580	Total Depth:	15
Street Name:	FISHER RD	Dt of Completion:	04/19/2000
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	NORWICH	Drill Year:	
State Code:		Water Level El:	840
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	

Wells and Additional Sources Detail Report

Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	839.3	Latitude:	39.96717
Case Lengt:	5	Longitude:	-83.09813
Completion:	956102400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	COMMERCIAL MOVERS ,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
298	SW	0.82	4,323.95	857.80	WATER WELLS

Well Log No:	444708	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	18	Loc Area:	
Draw Down:		S Water Level:	22
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	4033	Total Depth:	78
Street Name:	FISHER RD	Dt of Completion:	09/20/1972
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	64
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	858
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	

Wells and Additional Sources Detail Report

Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	857.7	Latitude:	39.968286
Case Lengt:	72	Longitude:	-83.107063
Completion:	85795200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	D E YOUNG INC,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
299	NW	0.83	4,394.87	859.10	WATER WELLS

Well Log No:	55863	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	ROCK	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	6	Loc Area:	
Draw Down:		S Water Level:	27
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:		Total Depth:	84
Street Name:	WILSON RD	Dt of Completion:	03/25/1949
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	76
City:	NORWICH	Drill Year:	
State Code:		Water Level El:	856
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	

Wells and Additional Sources Detail Report

Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	859	Latitude:	39.989417
Case Lengt:	76	Longitude:	-83.110527
Completion:	-655516800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	UNIT-BUILT HOMES,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
300	SE	0.84	4,418.85	817.60	WATER WELLS

Well Log No:	74411	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	STONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	12
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3250	Total Depth:	52
Street Name:	FISHER RD	Dt of Completion:	05/14/1949
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	35
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	819
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	

Wells and Additional Sources Detail Report

Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	817.7	Latitude:	39.96981
Case Lengt:	45	Longitude:	-83.08654
Completion:	-651196800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	SOUTH, R		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
301	WNW	0.84	4,421.67	863.11	WATER WELLS

Well Log No:	2036873	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	5.5
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1798	Total Depth:	17.3
Street Name:	ARLINGATE LN	Dt of Completion:	02/29/2012
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	NORWICH	Drill Year:	
State Code:		Water Level El:	866
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	

Wells and Additional Sources Detail Report

Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	862.8	Latitude:	39.987647
Case Lengt:	12	Longitude:	-83.112925
Completion:	1330473600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	BOEHRINGER INGELHEIM/ROXANE INC.,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
302	NNE	0.84	4,423.06	811.23	WATER WELLS

Well Log No:	637934	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	8	Loc Area:	
Draw Down:		S Water Level:	42
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3459	Total Depth:	107
Street Name:	TRABUE RD	Dt of Completion:	09/15/1983
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	102
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	812
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	

Wells and Additional Sources Detail Report

Sustained Yield:		Horiz Datum Code:	
Dem Elev:	810.4	Latitude:	39.99368
Case Lengt:	106	Longitude:	-83.08912
Completion:	432432000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	BALJAK, JOHN		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
302	NNE	0.84	4,423.06	811.23	WATER WELLS

Well Log No:	550008	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	STONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	8	Loc Area:	
Draw Down:		S Water Level:	40
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3459	Total Depth:	117
Street Name:	TRABUE RD	Dt of Completion:	05/26/1979
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	116
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	812
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	

Wells and Additional Sources Detail Report

Dem Elev:	810.4	Latitude:	39.99368
Case Lengt:	117	Longitude:	-83.08912
Completion:	296524800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	BALJAK, JOHN		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
303	WNW	0.84	4,445.56	862.88	WATER WELLS

Well Log No:	2036872	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	15.2
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1798	Total Depth:	49.4
Street Name:	ARLINGATE LN	Dt of Completion:	02/29/2012
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	NORWICH	Drill Year:	
State Code:		Water Level El:	866
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	862.3	Latitude:	39.987741

Wells and Additional Sources Detail Report

Case Lengt:	39.1	Longitude:	-83.112934
Completion:	1330473600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	BOEHRINGER INGELHEIM/ROXANE INC.,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
304	WNW	0.86	4,518.23	861.58	WATER WELLS

Well Log No:	2036645	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	5.1
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	1798	Total Depth:	40.9
Street Name:	ARLINGATE LN	Dt of Completion:	02/13/2012
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	NORWICH	Drill Year:	
State Code:		Water Level El:	866
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	861.3	Latitude:	39.987956
Case Lengt:	10	Longitude:	-83.113037

Wells and Additional Sources Detail Report

Completion: 1329091200000 Changed By:
Draw Down Test Dur:
Sec Owner Name: BOEHRINGER INGELHEIM/ROXANE INC.,
Comments:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
305	NW	0.89	4,695.70	848.77	WATER WELLS

Well Log No:	55862	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	ROCK	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	6	Loc Area:	
Draw Down:		S Water Level:	27
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:		Total Depth:	84
Street Name:	WILSON RD	Dt of Completion:	03/15/1949
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	72
City:	NORWICH	Drill Year:	
State Code:		Water Level El:	850
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	848.4	Latitude:	39.990249
Case Lengt:	72	Longitude:	-83.110911
Completion:	-656380800000	Changed By:	

Wells and Additional Sources Detail Report

Draw Down Test Dur:
Sec Owner Name: UNIT-BUILT HOMES,
Comments:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
306	WNW	0.89	4,702.33	872.06	WATER WELLS

Well Log No:	178210	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	20
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	4407	Total Depth:	75
Street Name:	TRABUE RD	Dt of Completion:	08/04/1956
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	57
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	874
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	872	Latitude:	39.984935
Case Lengt:	57	Longitude:	-83.116234
Completion:	-423187200000	Changed By:	
Draw Down Test Dur:			

Wells and Additional Sources Detail Report

Sec Owner Name: ARCHER, WILLIAM
Comments:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
307	S	0.90	4,759.98	832.06	WATER WELLS

Well Log No:	930698	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	CLAY & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	40	Loc Area:	
Draw Down:		S Water Level:	27
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	569	Total Depth:	75
Street Name:	WILSON RD	Dt of Completion:	05/08/2001
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	833
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	832.2	Latitude:	39.96646
Case Lengt:	70	Longitude:	-83.09515
Completion:	989280000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	CENTRAL READY MIX,		

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Wells and Additional Sources Detail Report

Comments:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
307	S	0.90	4,759.98	832.06	WATER WELLS

Well Log No:	930696	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	150	Loc Area:	
Draw Down:		S Water Level:	27
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	569	Total Depth:	106
Street Name:	WILSON RD	Dt of Completion:	05/07/2001
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	103
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	833
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	832.2	Latitude:	39.96646
Case Lengt:	96	Longitude:	-83.09515
Completion:	989193600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	CENTRAL READY MIX,		
Comments:			

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
307	S	0.90	4,759.98	832.06	WATER WELLS

Well Log No:	930697	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	CLAY & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	40	Loc Area:	
Draw Down:		S Water Level:	27
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	569	Total Depth:	75
Street Name:	WILSON RD	Dt of Completion:	05/11/2001
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	833
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	832.2	Latitude:	39.96646
Case Lengt:	70	Longitude:	-83.09515
Completion:	989539200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	CENTRAL READY MIX,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
308	SSE	0.90	4,768.31	823.95	WATER WELLS

Well Log No:	63726	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	15
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3375	Total Depth:	45
Street Name:	FISHER RD	Dt of Completion:	08/15/1950
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	823
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	823.9	Latitude:	39.967829
Case Lengt:	45	Longitude:	-83.089109
Completion:	-611625600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	TANNER, A		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
309	ENE	0.91	4,790.21	783.06	WATER WELLS

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Wells and Additional Sources Detail Report

Well Log No:	929216	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	ROTARY	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	100	Loc Area:	
Draw Down:		S Water Level:	61
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3040	Total Depth:	240
Street Name:	MCKINLEY AVE	Dt of Completion:	07/03/2001
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	14
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	779
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	780.8	Latitude:	39.98895
Case Lengt:	78	Longitude:	-83.07874
Completion:	994118400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	DECKER CONSTR,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
310	SSW	0.93	4,885.84	848.55	WATER WELLS

Wells and Additional Sources Detail Report

Well Log No:	2047813	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	CLAY/GRAVEL/SILT	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	15
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3849	Total Depth:	15
Street Name:	FISHER RD	Dt of Completion:	04/08/2014
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	847
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	848.9	Latitude:	39.96558
Case Lengt:	10	Longitude:	-83.10193
Completion:	1396915200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	ASHLAND CHEMICAL,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
310	SSW	0.93	4,885.84	848.55	WATER WELLS

Well Log No:	2047157	Pump Type:	

Wells and Additional Sources Detail Report

Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	CLAY/GRAVEL/SILT	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	15
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3849	Total Depth:	15
Street Name:	FISHER RD	Dt of Completion:	04/08/2014
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	847
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	848.9	Latitude:	39.96558
Case Lengt:	10	Longitude:	-83.10193
Completion:	1396915200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	ASHLAND CHEMICAL,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
311	ENE	0.93	4,887.64	786.98	WATER WELLS

Well Log No:	333783	Pump Type:	
Permit No:		Pump Capacity:	

Wells and Additional Sources Detail Report

Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	70
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	2950	Total Depth:	200
Street Name:	MCKINLEY AVE	Dt of Completion:	05/20/1966
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	76
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	781
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	787.2	Latitude:	39.98735
Case Lengt:		Longitude:	-83.07724
Completion:	-114220800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	MARBLE CLIFF QUARRIE,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
312	SSW	0.93	4,897.02	851.27	WATER WELLS

Well Log No:	566085	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	

Wells and Additional Sources Detail Report

Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	30	Loc Area:	
Draw Down:		S Water Level:	40
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3879	Total Depth:	80
Street Name:	FISHER RD	Dt of Completion:	10/23/1980
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	65
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	850
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	851.2	Latitude:	39.965881
Case Lengt:	69	Longitude:	-83.104438
Completion:	341107200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	FORD BROS.,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
313	SSW	0.93	4,900.69	850.07	WATER WELLS

Well Log No:	2039382	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	

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Wells and Additional Sources Detail Report

Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	CLAY/SAND/SILT	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	15
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3849	Total Depth:	15
Street Name:	FISHER RD	Dt of Completion:	08/27/2012
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	841
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	849.9	Latitude:	39.96555
Case Lengt:	7.5	Longitude:	-83.10207
Completion:	1346025600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	ASHLAND CHEMICAL,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
313	SSW	0.93	4,900.69	850.07	WATER WELLS

Well Log No:	2047787	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	

Wells and Additional Sources Detail Report

Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	CLAY/SAND/SILT	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	15
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3849	Total Depth:	15
Street Name:	FISHER RD	Dt of Completion:	08/27/2012
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	849
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	849.9	Latitude:	39.96555
Case Lengt:		Longitude:	-83.10207
Completion:	1346025600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	ASHLAND CHEMICAL,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
313	SSW	0.93	4,900.69	850.07	WATER WELLS

Well Log No:	2047783	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	

Wells and Additional Sources Detail Report

Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	CLAY/SAND/SILT	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	15
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3849	Total Depth:	15
Street Name:	FISHER RD	Dt of Completion:	08/27/2012
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	849
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	849.9	Latitude:	39.96555
Case Lengt:	7.5	Longitude:	-83.10207
Completion:	1346025600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	ASHLAND CHEMICAL,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
313	SSW	0.93	4,900.69	850.07	WATER WELLS

Well Log No:	2047784	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	

Wells and Additional Sources Detail Report

Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	CLAY/SAND/SILT	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	15
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3849	Total Depth:	15
Street Name:	FISHER RD	Dt of Completion:	08/27/2012
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	849
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	849.9	Latitude:	39.96555
Case Lengt:	7.5	Longitude:	-83.10207
Completion:	1346025600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	ASHLAND CHEMICAL,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
313	SSW	0.93	4,900.69	850.07	WATER WELLS

Well Log No:	2047786	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	

Wells and Additional Sources Detail Report

Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	CLAY/SAND/SILT	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	15
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3849	Total Depth:	15
Street Name:	FISHER RD	Dt of Completion:	08/27/2012
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	849
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	849.9	Latitude:	39.96555
Case Lengt:	7.5	Longitude:	-83.10207
Completion:	1346025600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	ASHLAND CHEMICAL,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
313	SSW	0.93	4,900.69	850.07	WATER WELLS

Well Log No:	2047785	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	

Wells and Additional Sources Detail Report

Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	CLAY/SAND/SILT	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	15
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3849	Total Depth:	15
Street Name:	FISHER RD	Dt of Completion:	08/27/2012
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	849
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	849.9	Latitude:	39.96555
Case Lengt:	7.5	Longitude:	-83.10207
Completion:	1346025600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	ASHLAND CHEMICAL,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
313	SSW	0.93	4,900.69	850.07	WATER WELLS

Well Log No:	2047811	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:	AUGER	U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN

Wells and Additional Sources Detail Report

Aquifer Type Code:	CLAY/SAND/SILT	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	15
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3849	Total Depth:	15
Street Name:	FISHER RD	Dt of Completion:	08/27/2012
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	849
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	849.9	Latitude:	39.96555
Case Lengt:	7.5	Longitude:	-83.10207
Completion:	1346025600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	ASHLAND CHEMICAL,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
314	WNW	0.94	4,941.63	874.13	WATER WELLS

Well Log No:	178209	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	

Wells and Additional Sources Detail Report

Flowing Well Ind:		Loc Map Year:	
Test Rate:	10	Loc Area:	
Draw Down:		S Water Level:	25
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	4455	Total Depth:	80
Street Name:	TRABUE RD	Dt of Completion:	08/05/1956
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	50
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	875
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	874	Latitude:	39.984754
Case Lengt:	50	Longitude:	-83.11725
Completion:	-423100800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	CRAY, JOHN		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
315	ENE	0.95	5,005.24	788.19	WATER WELLS

Well Log No:	398312	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	

Wells and Additional Sources Detail Report

Test Rate:	8	Loc Area:	
Draw Down:		S Water Level:	83
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	2880	Total Depth:	101
Street Name:	MCKINLEY AVE	Dt of Completion:	02/07/1970
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	2
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	786
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	788	Latitude:	39.98627
Case Lengt:	72	Longitude:	-83.07616
Completion:	3196800000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	GALLE BROS.,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
318	NNE	0.96	5,072.82	805.27	WATER WELLS

Well Log No:	9925443	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	MUD	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	

Wells and Additional Sources Detail Report

Draw Down:		S Water Level:	85
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:		Total Depth:	140
Street Name:		Dt of Completion:	05/20/1936
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	NORWICH	Drill Year:	
State Code:		Water Level El:	798
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	805.3	Latitude:	39.99523
Case Lengt:		Longitude:	-83.087751
Completion:	-1060905600000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	ST.MARGHERITA CHURCH,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
319	SE	0.96	5,078.38	807.32	WATER WELLS

Well Log No:	658932	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	60	Loc Area:	
Draw Down:		S Water Level:	60

Wells and Additional Sources Detail Report

Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	7955	Total Depth:	105
Street Name:	HAGUE AVE	Dt of Completion:	05/02/1988
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	30
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	809
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	807.4	Latitude:	39.97014
Case Lengt:	35	Longitude:	-83.08183
Completion:	578534400000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	MG PARTNERSHIP,		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
320	NNE	0.97	5,128.36	800.88	WATER WELLS

Well Log No:	41927	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:		Loc Area:	
Draw Down:		S Water Level:	72
Sub Name:		S Water Meas Pt Cd:	

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Wells and Additional Sources Detail Report

Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	3339	Total Depth:	197
Street Name:	TRABUE RD	Dt of Completion:	05/18/1948
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	6
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	789
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	801.4	Latitude:	39.99478
Case Lengt:	168	Longitude:	-83.08567
Completion:	-682387200000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	GRILL, DEVICTOR		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
322	WNW	0.98	5,196.75	881.93	WATER WELLS

Well Log No:	278431	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	LIMESTONE	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	7	Loc Area:	
Draw Down:		S Water Level:	26
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	

Wells and Additional Sources Detail Report

Sub No:		Cas HT:	
Str Direction Code:		Screen Length:	
Street No:	4478	Total Depth:	94
Street Name:	TRABUE RD	Dt of Completion:	01/08/1963
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	60
City:	NORWICH	Drill Year:	
State Code:		Water Level El:	880
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	885.1	Latitude:	39.98548
Case Lengt:	60	Longitude:	-83.11785
Completion:	-220320000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	RICE, GRANT		
Comments:			

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
323	S	0.99	5,204.97	836.07	WATER WELLS

Well Log No:	109584	Pump Type:	
Permit No:		Pump Capacity:	
Lot No:		Pump Set At:	
Sect No:		Pitless Type:	
Loc No:		Pump Inst By:	
Well Type Code:	W	Elev Source:	
Drill Type Code:		U Version:	
Test Type Code:		End User ID:	
Well Use Code:		County Code:	
Well Use Desc:		County:	FRANKLIN
Aquifer Type Code:	SAND & GRAVEL	Township Code:	
Flowing Well Ind:		Loc Map Year:	
Test Rate:	6	Loc Area:	
Draw Down:		S Water Level:	30
Sub Name:		S Water Meas Pt Cd:	
Sub Map Year:		S Water Level Date:	
Sub No:		Cas HT:	

Wells and Additional Sources Detail Report

Str Direction Code:		Screen Length:	
Street No:	401	Total Depth:	63
Street Name:	WILSON RD	Dt of Completion:	11/06/1953
Street Type Code:		Located Ind:	
Sec Add:		Assoc RPT Ind:	
Sec Add No:		Depth To Bedrock:	
City:	FRANKLIN	Drill Year:	
State Code:		Water Level El:	834
Zip:		Well Drilled By:	
Well Location Desc:		Subcon ODH No:	
Screen Slot Size:		Well Seal RPT No:	
Attatch Status:		Date Added:	
Screen Diam:		Added By:	
Screen Type:		Date Changed:	
Screen Mat:		Zone Code:	
Screened Intvl From:		Horiz X:	
Screened Intvl To:		Horiz Y:	
Sustained Yield:		Horiz Datum Code:	
Dem Elev:	836.1	Latitude:	39.96532
Case Lengt:	31	Longitude:	-83.09457
Completion:	-509760000000	Changed By:	
Draw Down Test Dur:			
Sec Owner Name:	COL & SOUTHERN OHIO,		
Comments:			

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Radon Information

This section lists any relevant radon information found for the target property.

Federal EPA Radon Zone for *FRANKLIN* County: **1**

Zone 1: Counties with predicted average indoor radon screening levels greater than 4 pCi/L
Zone 2: Counties with predicted average indoor radon screening levels from 2 to 4 pCi/L
Zone 3: Counties with predicted average indoor radon screening levels less than 2 pCi/L

Federal Area Radon Information for *FRANKLIN* County

No Measures/Homes:	170
Geometric Mean:	5.3
Arithmetic Mean:	7.4
Median:	5.4
Standard Deviation:	6.9
Maximum:	46
% >4 pCi/L:	64
% >20 pCi/L:	5
Notes on Data Table:	TABLE 1. Screening indoor radon data from the EP A/State Residential Radon Survey of Ohio conducted during 1988-89. Data represent 2-7 day charcoal canister measurements from the lowest level of each home tested.

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Appendix

Federal Sources

FEMA National Flood Hazard Layer — **FEMA FLOOD**

The National Flood Hazard Layer (NFHL) data incorporates Flood Insurance Rate Map (FIRM) databases published by the Federal Emergency Management Agency (FEMA), and any Letters Of Map Revision (LOMRs) that have been issued against those databases since their publication date. The FIRM Database is the digital, geospatial version of the flood hazard information shown on the published paper FIRMs. The FIRM Database depicts flood risk information and supporting data used to develop the risk data. The FIRM Database is derived from Flood Insurance Studies (FISs), previously published FIRMs, flood hazard analyses performed in support of the FISs and FIRMs, and new mapping data, where available.

Indoor Radon Data — **INDOOR RADON**

Indoor radon measurements tracked by the Environmental Protection Agency(EPA) and the State Residential Radon Survey.

Public Water Systems Violations and Enforcement Data — **PWSV**

List of drinking water violations and enforcement actions from the Safe Drinking Water Information System (SDWIS) made available by the Drinking Water Protection Division of the US EPA's Office of Groundwater and Drinking Water. Enforcement sensitive actions are not included in the data released by the EPA. Address information provided in SWDIS may correspond either with the physical location of the water system, or with a contact address.

Radon Zone Level — **RADON ZONE**

Areas showing the level of Radon Zones (level 1, 2 or 3) by county. This data is maintained by the Environmental Protection Agency (EPA).

Safe Drinking Water Information System (SDWIS) — **SDWIS**

The Safe Drinking Water Information System (SDWIS) contains information about public water systems as reported to US Environmental Protection Agency (EPA) by the states. Addresses may correspond with the location of the water system, or with a contact address.

Soil Survey Geographic database — **SSURGO**

The Soil Survey Geographic database (SSURGO) contains information about soil as collected by the National Cooperative Soil Survey at the Natural Resources Conservation Service (NRCS). Soil maps outline areas called map units. The map units are linked to soil properties in a database. Each map unit may contain one to three major components and some minor components.

U.S. Fish & Wildlife Service Wetland Data — **US WETLAND**

The U.S. Fish & Wildlife Service Wetland layer represents the approximate location and type of wetlands and deepwater habitats in the United States.

USGS Current Topo — **US TOPO**

US Topo topographic maps are produced by the National Geospatial Program of the U.S. Geological Survey (USGS). The project was launched in late 2009, and the term "US Topo" refers specifically to quadrangle topographic maps published in 2009 and later.

USGS Geology — **US GEOLOGY**

Seamless maps depicting geological information provided by the United States Geological Survey (USGS).

USGS National Water Information System — **FED USGS**

The U.S. Geological Survey (USGS)'s National Water Information System (NWIS) is the nation's principal repository of water resources data. This database includes comprehensive information of well-construction details, time-series data for gage height, streamflow, groundwater level, and precipitation and water use data.

Wells from NWIS — **FED USGS**

The U.S. Geological Survey's National Water Information System (NWIS) is the nation's principal repository of water resources data. The NWIS includes comprehensive information of well-construction details, time-series data for gage height, streamflow, groundwater level, and precipitation and water use data. This NWIW dataset contains select Site Types from the overall NWIS Sites data, limited to the following Group Site Types only: Groundwater Group Site Types: Well, Collector or Ranney type well, Hyporheic-zone well,

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Appendix

Interconnected Wells, Multiple wells; Spring Group Site Type: Spring; and Other Group Site Types: Aggregate groundwater use, Cistern.

State Sources

Oil and Gas Wells **OGW**

Oil and Gas Well Data by county collected by the Ohio Department of Natural Resources.

Public Water Systems **PWS**

Public water systems (PWSs) are regulated by the Ohio EPA Division of Drinking and Ground Waters (Ohio EPA DDAGW). Public water systems use either a ground water source, a surface water source or a ground water under the direct influence of surface water source.

Underground Injection Control Wells **UIC**

The Ohio Environmental Protection Agency provides this listing of Class I and Class V Underground Injection Control Wells.

Water Wells Log Report **WATER WELLS**

Water Wells Log Report developed and maintained by Department of Natural Resources.

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NEPA Report

Project Property:	*Kittle Wilson Road* *091564.00 Kittle Wilson Road* *Columbus, OH 43204*
Project No:	*091564.00*
Order No:	*22120101172*
Requested by:	*SME-USA*
Date Completed:	*12/06/2022*

Environmental Risk Information Services
A Division of Glacier Media Inc.
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TARGET PROPERTY SUMMARY

Kittle Wilson Road
091564.00 Kittle Wilson Road
Columbus, OH 43204

USGS Quadrangle: ***Southwest Columbus, OH***
Target Property Geometry: ***AREA***

Target Property Longitude(s)/Latitude(s):
(-83.100789, 39.979890), (-83.100231, 39.978928), (-83.096422, 39.980252), (-83.096111, 39.979759), (-83.094094, 39.980458), (-83.092785, 39.981247), (-83.093214, 39.981954), (-83.095875, 39.981000), (-83.095746, 39.980803), (-83.097195, 39.980293), (-83.097452, 39.980786), (-83.097978, 39.980647), (-83.098310, 39.980597), (-83.098815, 39.980548), (-83.099104, 39.980507), (-83.099405, 39.980433), (-83.099909, 39.980342), (-83.100241, 39.980310), (-83.100123, 39.980104), (-83.100789, 39.979890)

County/Parish Covered:
Franklin (OH)

Zipcode(s) Covered:
Columbus OH: 43204, 43228

State(s) Covered:
OH

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DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

(NEPA) FCC & FAA

Project Property:	*Kittle Wilson Road* *091564.00 Kittle Wilson Road* *Columbus, OH 43204*
Project No:	*091564.00*
Order No:	*22120101172*
Requested by:	*SME-USA*
Date Completed:	*12/06/2022*

Environmental Risk Information Services
A Division of Glacier Media Inc.
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DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

DATABASE FINDINGS SUMMARY

DATABASE	ACRONYM	LOCA-TABLE	UNLOCA-TABLE	SEARCH RADIUS (miles)
FEDERAL				
AM RADIO STRUCTURES	AMTOWERS	0	0	0.5000
ANTENNA STRUCTURE REGISTRATION	ASR	4	0	0.5000
CELLULAR TOWERS	CELLTOWERS	0	0	0.5000
DIGITAL OBSTACLE FILE	DOF	1	0	0.5000
SUB-TOTAL		**5**	**0**	
TOTAL		**5**	**0**	

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

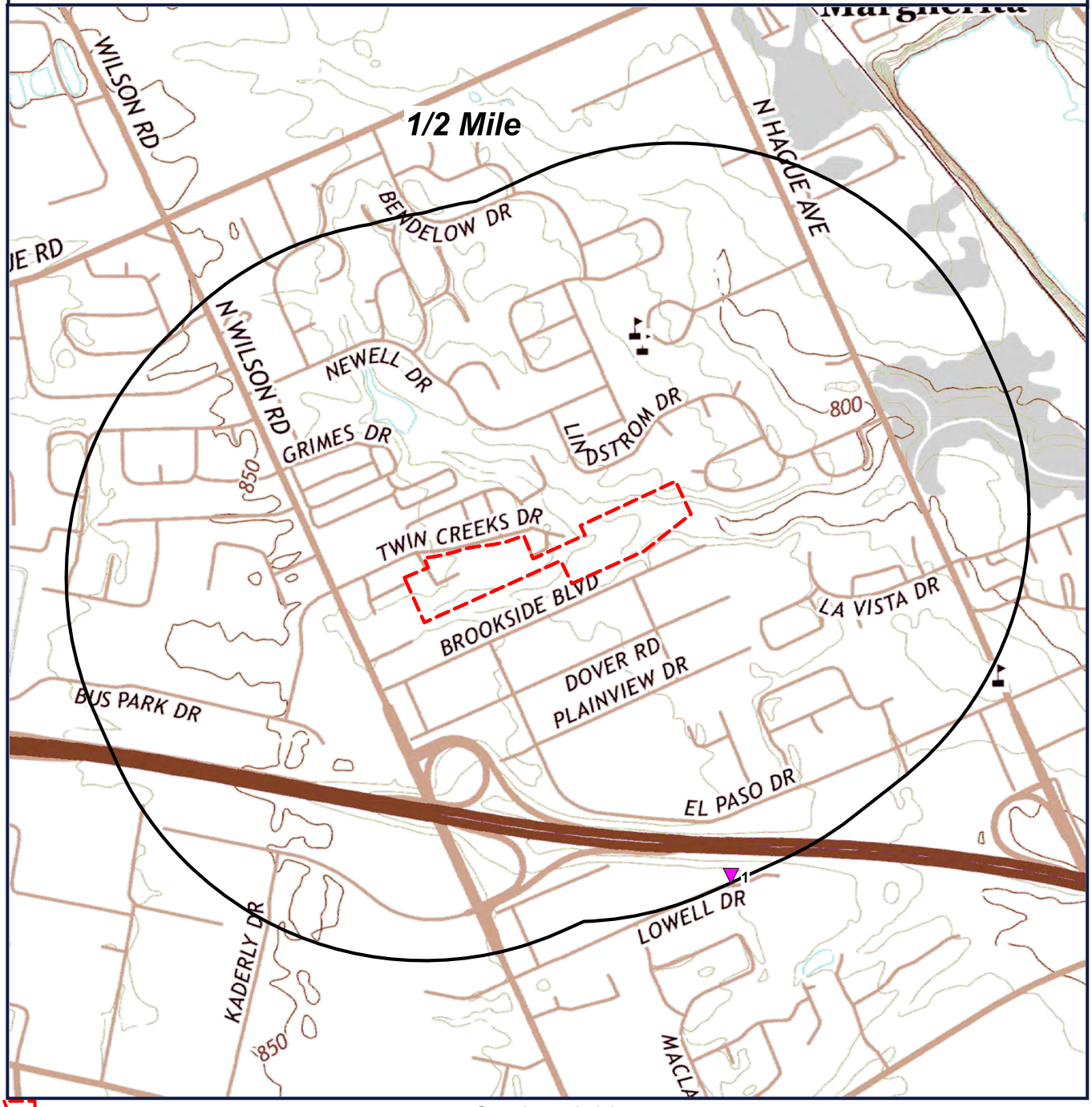
LOCATABLE DATABASE FINDINGS

ACRONYM	SEARCH RADIUS (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
FEDERAL								
AMTOWERS	.5000	0	0	0	0	NS	NS	0
ASR	.5000	0	0	0	4	NS	NS	4
CELLTOWERS	.5000	0	0	0	0	NS	NS	0
DOF	.5000	0	0	0	1	NS	NS	1
SUB-TOTAL		**0**	**0**	**0**	**5**	**0**	**0**	**5**
TOTAL		**0**	**0**	**0**	**5**	**0**	**0**	**5**

NOTES:
NS = NOT SEARCHED
TP/AP = TARGET PROPERTY/ADJACENT PROPERTY

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

FCC & FAA SITE MAP



Target Property (TP)
ASR

Quadrangle(s):
Southwest Columbus
Kittle Wilson Road
091564.00 Kittle Wilson Road
Columbus, OH
43204

N
W E
S

0' 600' 1200' 1800'
SCALE: 1" = 1200'

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

REPORT SUMMARY OF LOCATABLE SITES

MAP ID#	DATABASE NAME	SITE ID#	DISTANCE FROM SITE	SITE NAME	ADDRESS	CITY, ZIP CODE	PAGE #
1	ASR	4510729	0.491 SSE		3220 LOWELL DR.	COLUMBUS	1
1	ASR	4399584	0.491 SSE		3220 LOWELL DR.	COLUMBUS	2
1	ASR	4479733	0.491 SSE		3220 LOWELL DR.	COLUMBUS	3
1	DOF	39-077803	0.491 SSE			VALLEY VIEW	4
1	ASR	4447320	0.491 SSE		3220 LOWELL DR.	COLUMBUS	5

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

ANTENNA STRUCTURE REGISTRATION (ASR)

MAP ID# 1 **Distance from Property: 0.49 mi. SSE**

FILE NUMBER: **A1093406**
REGISTRATION NUMBER: **1302018**
DATE ISSUED: **11/29/2017**
FAA DATE ISSUED: **05/27/2016**
ADDRESS: **3220 LOWELL DR.**
CITY: **COLUMBUS**
STATE: **OH**
HEIGHT (ft): **45.7**
ELEVATION (ft.): **253.0**
OVERALL HEIGHT ABOVE GROUND (ft.): **48.5**
OVERALL HEIGHT ABOVE MEAN SEA LEVEL (ft.): **301.5**
LONGITUDE: **-83.091666667**
LATITUDE: **39.973500000**
LICENSE ID: **L01971970**
OWNER: **CAPITAL TELECOM HOLDINGS LLC**
OWNER ADDRESS: **820 MORRIS TURNPIKE, SUITE 104**
CITY: **SHORT HILLS**
STATE: **NJ**
ZIP: **07078**
SOURCE: **ASR**
STRUCTURE TYPE: **MTOWER**
REGISTRATION STATUS: **GRANTED**

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

ANTENNA STRUCTURE REGISTRATION (ASR)

MAP ID# 1 **Distance from Property: 0.49 mi. SSE**

FILE NUMBER: **A1003831**
REGISTRATION NUMBER: **NOT REPORTED**
DATE ISSUED: **NOT REPORTED**
FAA DATE ISSUED: **NOT REPORTED**
ADDRESS: **3220 LOWELL DR.**
CITY: **COLUMBUS**
STATE: **OH**
HEIGHT (ft): **45.7**
ELEVATION (ft.): **253.0**
OVERALL HEIGHT ABOVE GROUND (ft.): **48.5**
OVERALL HEIGHT ABOVE MEAN SEA LEVEL (ft.): **301.5**
LONGITUDE: **-83.091666667**
LATITUDE: **39.973500000**
LICENSE ID: **L01971970**
OWNER: **CAPITAL TELECOM HOLDINGS LLC**
OWNER ADDRESS: **820 MORRIS TURNPIKE, SUITE 104**
CITY: **SHORT HILLS**
STATE: **NJ**
ZIP: **07078**
SOURCE: **ASR**
STRUCTURE TYPE: **MTOWER**
REGISTRATION STATUS: **NOT REPORTED**

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

ANTENNA STRUCTURE REGISTRATION (ASR)

MAP ID# 1 **Distance from Property: 0.49 mi. SSE**

FILE NUMBER: **A1003831**
REGISTRATION NUMBER: **1302018**
DATE ISSUED: **04/20/2017**
FAA DATE ISSUED: **05/27/2016**
ADDRESS: **3220 LOWELL DR.**
CITY: **COLUMBUS**
STATE: **OH**
HEIGHT (ft): **45.7**
ELEVATION (ft.): **253.0**
OVERALL HEIGHT ABOVE GROUND (ft.): **48.5**
OVERALL HEIGHT ABOVE MEAN SEA LEVEL (ft.): **301.5**
LONGITUDE: **-83.091666667**
LATITUDE: **39.973500000**
LICENSE ID: **L01971970**
OWNER: **CAPITAL TELECOM HOLDINGS LLC**
OWNER ADDRESS: **820 MORRIS TURNPIKE, SUITE 104**
CITY: **SHORT HILLS**
STATE: **NJ**
ZIP: **07078**
SOURCE: **ASR**
STRUCTURE TYPE: **MTOWER**
REGISTRATION STATUS: **GRANTED**

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

DIGITAL OBSTACLE FILE (DOF)

MAP ID# 1 **Distance from Property: 0.49 mi. SSE**

OBSTACLE NUMBER: **39-077803**
VERIFICATION STATUS: **UNVERIFIED**
CITY: **VALLEY VIEW** STATE: **OH**
LONGITUDE: **-83.091666667**
LATITUDE: **39.973500000**
OBSTACLE TYPE: **POLE**
ABOVE GROUND LEVEL HEIGHT (FT): **00159**
ELEVATION IN MEAN SEA LEVEL (FT): **00988**
TYPE OF MARKING: **NONE**
SOURCE: **FAA**
FAA STUDY NUMBER: **2016AGL05258OE**

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

ANTENNA STRUCTURE REGISTRATION (ASR)

MAP ID# 1 **Distance from Property: 0.49 mi. SSE**

FILE NUMBER: **A1003831**
REGISTRATION NUMBER: **NOT REPORTED**
DATE ISSUED: **NOT REPORTED**
FAA DATE ISSUED: **05/27/2016**
ADDRESS: **3220 LOWELL DR.**
CITY: **COLUMBUS**
STATE: **OH**
HEIGHT (ft): **45.7**
ELEVATION (ft.): **253.0**
OVERALL HEIGHT ABOVE GROUND (ft.): **48.5**
OVERALL HEIGHT ABOVE MEAN SEA LEVEL (ft.): **301.5**
LONGITUDE: **-83.091666667**
LATITUDE: **39.973500000**
LICENSE ID: **L01971970**
OWNER: **CAPITAL TELECOM HOLDINGS LLC**
OWNER ADDRESS: **820 MORRIS TURNPIKE, SUITE 104**
CITY: **SHORT HILLS**
STATE: **NJ**
ZIP: **07078**
SOURCE: **ASR**
STRUCTURE TYPE: **MTOWER**
REGISTRATION STATUS: **NOT REPORTED**

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

ENVIRONMENTAL RECORDS DEFINITIONS - FEDERAL

AMTOWERS AM Radio Structures

VERSION DATE: 7/2022

The FCC maintains a database of the AM Radio Structures. The AM Broadcast Stations database contains stations that are full time stations using a non-directional antenna.

ASR Antenna Structure Registration

VERSION DATE: 7/2022

The Antenna Structure Registration (ASR) System is an online system that stores the location, height, marking and lighting, and other information on all antenna structures that are registered with the FCC. Antenna structure owners must use the ASR system to file new antenna structure registrations. Antenna structure owners also use the system to file updates to registrations such as modifications to existing structures, notifications of construction, and ownership changes.

CELLTOWERS Cellular Towers

VERSION DATE: 7/2022

The Cellular database is maintained by the FCC. Licensees use cellular radiotelephone service (commonly referred to as cellular) spectrum to provide a mobile telecommunications service for hire to the general public using cellular systems. Currently, cellular licensees must provide analog service, but may also provide digital service as well. Cellular licensees that operate digital networks may also offer advanced two-way data services. The Commission and other wireless industry representatives often refer to these services as "Mobile Telephone Services" and "Mobile Data Services."

DOF Digital Obstacle File

VERSION DATE: 6/2022

The FAA Digital Obstacle File is maintained by the FAA and National Oceanic and Atmospheric Administration. These man-made structures may affect air navigation therefore both the verified and unverified data is recorded in this database.

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

(NEPA) Historical Sites

Project Property:	*Kittle Wilson Road* *091564.00 Kittle Wilson Road* *Columbus, OH 43204*
Project No:	*091564.00*
Order No:	*22120101172*
Requested by:	*SME-USA*
Date Completed:	*12/06/2022*

Environmental Risk Information Services
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DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

DATABASE FINDINGS SUMMARY

DATABASE	ACRONYM	LOCA-TABLE	UNLOCA-TABLE	SEARCH RADIUS (miles)
FEDERAL				
HISTORIC BUILDINGS (HABS/HAER)	HSTBLDGS	0	0	0.5000
NATIONAL HISTORIC LANDMARKS	HSTLNDMKS	0	0	0.5000
NATIONAL REGISTER OF HISTORIC PLACES	HSTPLACES	0	0	0.5000
SUB-TOTAL		**0**	**0**	
TRIBAL				
INDIAN RESERVATIONS	INDIANRES	0	0	0.5000
SUB-TOTAL		**0**	**0**	
TOTAL		**0**	**0**	

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

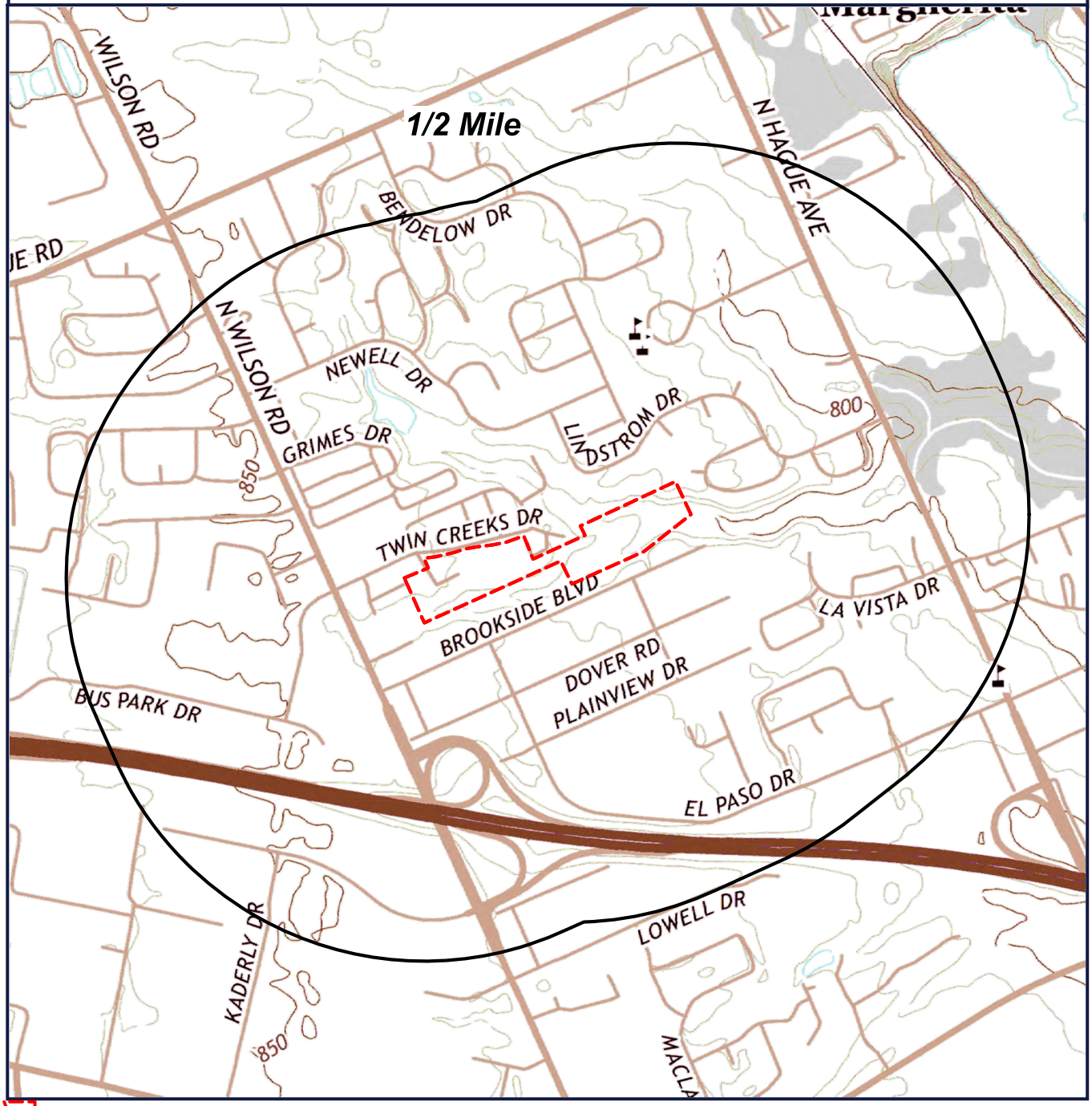
LOCATABLE DATABASE FINDINGS

ACRONYM	SEARCH RADIUS (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
FEDERAL								
HSTBLDGS	.5000	0	0	0	0	NS	NS	0
HSTLNDMKS	.5000	0	0	0	0	NS	NS	0
HSTPLACES	.5000	0	0	0	0	NS	NS	0
SUB-TOTAL		**0**	**0**	**0**	**0**	**0**	**0**	**0**
TRIBAL								
INDIANRES	.5000	0	0	0	0	NS	NS	0
SUB-TOTAL		**0**	**0**	**0**	**0**	**0**	**0**	**0**
TOTAL		**0**	**0**	**0**	**0**	**0**	**0**	**0**

NOTES:
NS = NOT SEARCHED
TP/AP = TARGET PROPERTY/ADJACENT PROPERTY

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

CULTURAL AND HISTORICAL SITE MAP



Target Property (TP)

Quadrangle(s):
Southwest Columbus
Kittle Wilson Road
091564.00 Kittle Wilson Road
Columbus, OH
43204

N
W E
S

0' 600' 1200' 1800'
SCALE: 1" = 1200'

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

HSTBLDGS Historic Buildings (HABS/HAER)

VERSION DATE: NR

This database includes buildings that are significant examples of the history of American engineering and architecture. Information is collected and entered into the National Historic American Building inventory, this database is maintained by the National Park Service (NPS).

HSTLNDMKS National Historic Landmarks

VERSION DATE: 6/2022

This National Park Service (NPS) database is a list of historic places that have tremendous importance in maintaining the heritage of the United States. The Secretary of the Interior decides on designation if the site possesses national significance.

HSTPLACES National Register of Historic Places

VERSION DATE: 6/2022

This database maintained by the National Park Service (NPS) contains a variety of places including districts, sites, buildings, structures, and objects. These places are chosen because they are significant in American history. Information is collected for each of the sites and is compiled into the National Register of Historic Places. Note on agency provided geospatial locations: Point and polygon features apply only to unrestricted/non-sensitive historic properties with a Listed status. These locations may have notable accuracy issues, especially the polygon data.

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

INDIANRES Indian Reservations

VERSION DATE: 9/2021

This database is extracted from select geographic and cartographic information from the U.S. Census Bureau. The Bureau of Indian Affairs (BIA) within the U.S. Department of the Interior (DOI) provides the list of federally recognized tribes. The American Indian/Alaska Native/Native Hawaiian (AIANNH) Areas includes the following legal entities: federally recognized American Indian reservations and off-reservation trust land areas, state-recognized American Indian reservations, and Hawaiian Home Lands (HHLs). The boundaries for federally recognized American Indian reservations and off-reservation trust lands are as of January 1, 2021. As documented in prior related Census data, the boundaries for state-recognized American Indian reservations and for state designated tribal statistical areas were delineated by state governor-appointed liaisons for the 2010 Census through the State American Indian Reservation Program and Tribal Statistical Areas Program respectively.

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(NEPA) Sensitive Receptor

Project Property:	*Kittle Wilson Road* *091564.00 Kittle Wilson Road* *Columbus, OH 43204*
Project No:	*091564.00*
Order No:	*22120101172*
Requested by:	*SME-USA*
Date Completed:	*12/06/2022*

Environmental Risk Information Services
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DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

DATABASE FINDINGS SUMMARY

DATABASE	ACRONYM	LOCA-TABLE	UNLOCA-TABLE	SEARCH RADIUS (miles)
FEDERAL				
HOSPITAL FACILITIES	HOSPITALS	0	0	0.5000
NURSING HOMES	NURSINGHOMES	0	0	0.5000
SUB-TOTAL		**0**	**0**	
TOTAL		**0**	**0**	

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

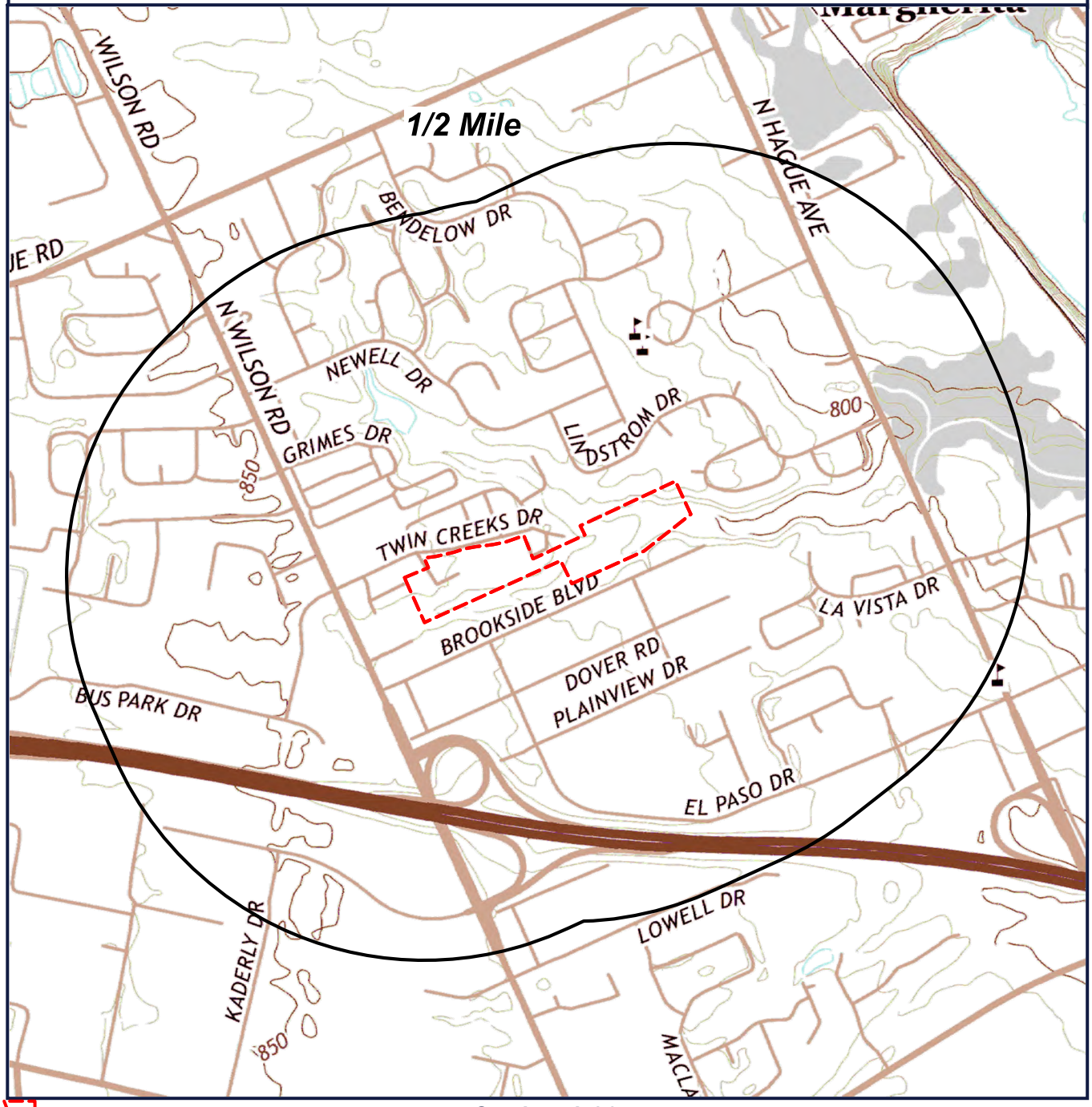
LOCATABLE DATABASE FINDINGS

ACRONYM	SEARCH RADIUS (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
FEDERAL								
HOSPITALS	.5000	0	0	0	0	NS	NS	0
NURSINGHOMES	.5000	0	0	0	0	NS	NS	0
SUB-TOTAL		**0**	**0**	**0**	**0**	**0**	**0**	**0**
TOTAL		**0**	**0**	**0**	**0**	**0**	**0**	**0**

NOTES:
NS = NOT SEARCHED
TP/AP = TARGET PROPERTY/ADJACENT PROPERTY

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

SENSITIVE RECEPTORS SITE MAP



Target Property (TP)

Quadrangle(s):
Southwest Columbus
Kittle Wilson Road
091564.00 Kittle Wilson Road
Columbus, OH
43204

N
W E
S

0' 600' 1200' 1800'
SCALE: 1" = 1200'

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

HOSPITALS Hospital Facilities

VERSION DATE: 6/2022

This feature class/shapefile contains locations of Hospitals for 50 US states, Washington D.C., US territories of Puerto Rico, Guam, American Samoa, Northern Mariana Islands, Palau, and Virgin Islands. The dataset only includes hospital facilities based on data acquired from various state departments or federal sources which has been referenced in the SOURCE field. Hospital facilities which do not occur in these sources will be not present in the database. The data contains Hospitals derived from various sources for the Homeland Infrastructure Foundation-Level Data (HIFLD) database.

NURSINGHOMES Nursing Homes

VERSION DATE: 6/2022

In December 2020, the Nursing Home Compare website was retired and replaced by the new Care Compare website (CMS.gov). This Provider Information database is provided by the Centers for Medicare & Medicaid Services (CMS), which includes general information on currently active nursing homes nationwide.

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

(NEPA) Natural Areas

Project Property:	*Kittle Wilson Road* *091564.00 Kittle Wilson Road* *Columbus, OH 43204*
Project No:	*091564.00*
Order No:	*22120101172*
Requested by:	*SME-USA*
Date Completed:	*12/06/2022*

Environmental Risk Information Services
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DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

DATABASE FINDINGS SUMMARY

DATABASE	ACRONYM	LOCA-TABLE	UNLOCA-TABLE	SEARCH RADIUS (miles)
FEDERAL				
COASTAL BARRIER RESOURCE SYSTEM	COASTAL	0	0	0.5000
NATURAL LANDMARKS	NTRLNDMKS	0	0	0.5000
NATIONAL WILDLIFE REFUGE SYSTEM	REFUGES	0	0	0.5000
NATIONAL WILD AND SCENIC RIVERS SYSTEM	RIVERS	0	0	0.5000
SUB-TOTAL		**0**	**0**	
TOTAL		**0**	**0**	

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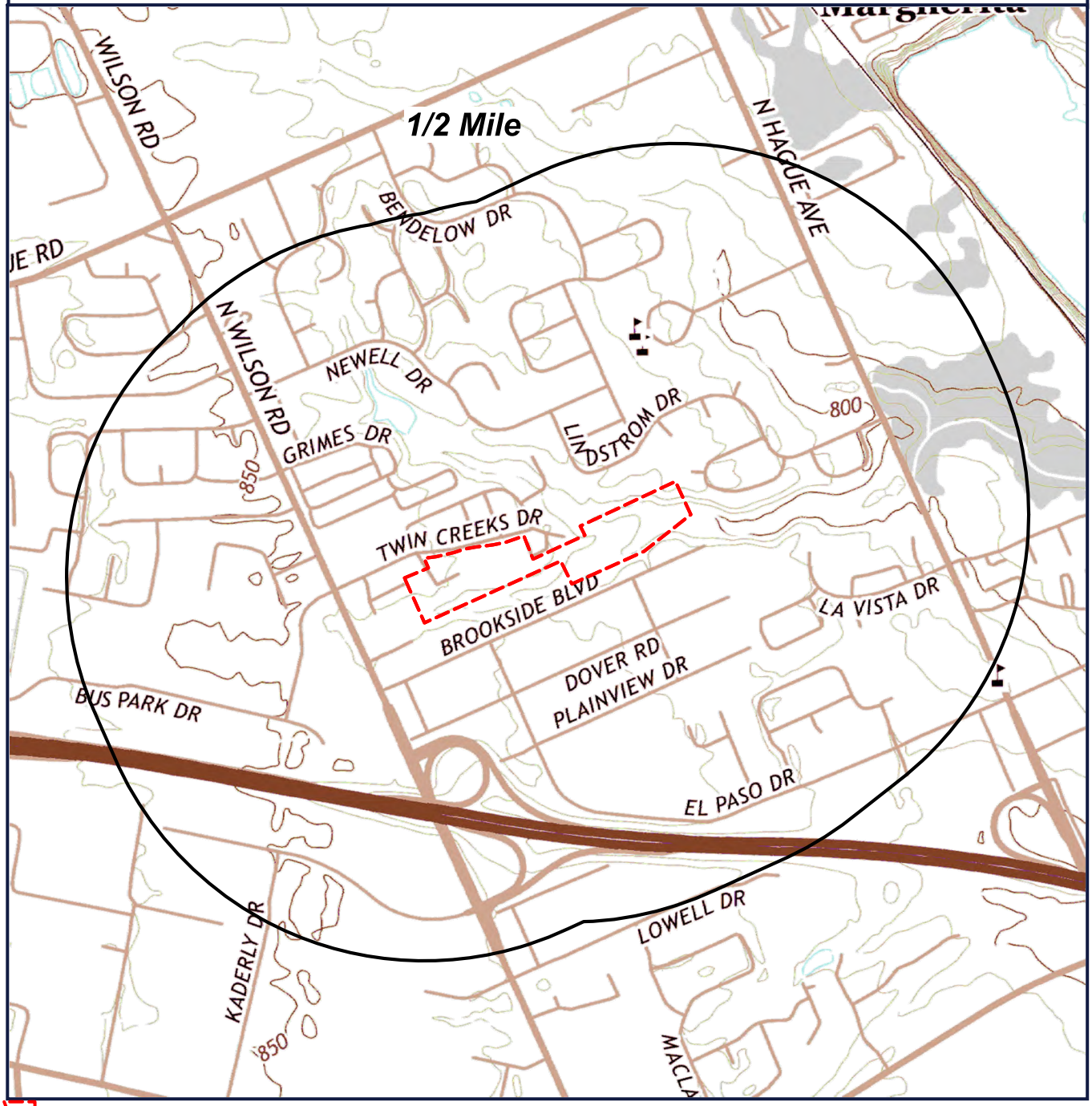
LOCATABLE DATABASE FINDINGS

ACRONYM	SEARCH RADIUS (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
FEDERAL								
COASTAL	.5000	0	0	0	0	NS	NS	0
NTRLNDMKS	.5000	0	0	0	0	NS	NS	0
REFUGES	.5000	0	0	0	0	NS	NS	0
RIVERS	.5000	0	0	0	0	NS	NS	0
SUB-TOTAL		**0**	**0**	**0**	**0**	**0**	**0**	**0**
TOTAL		**0**	**0**	**0**	**0**	**0**	**0**	**0**

NOTES:
NS = NOT SEARCHED
TP/AP = TARGET PROPERTY/ADJACENT PROPERTY

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

NATURAL AREAS SITE MAP



Target Property (TP)

Quadrangle(s):
Southwest Columbus
Kittle Wilson Road
091564.00 Kittle Wilson Road
Columbus, OH
43204

N
W E
S

0' 600' 1200' 1800'
SCALE: 1" = 1200'

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

ENVIRONMENTAL RECORDS DEFINITIONS - FEDERAL

COASTAL Coastal Barrier Resource System

VERSION DATE: 3/2019

Coastal barriers are landforms that protect the mainland from the full impact from wind, wave and tidal energies. The Coastal Barrier Resources System (CBRS) database is maintained by the Federal Emergency Management Agency (FEMA). The CBRS laws are defined based on maps drawn by the Department of Interior (DOI) that depict the boundaries of the individual coastal areas. The purpose of these laws were to minimize loss of human life by discouraging development in high risk areas, reduce wasteful expenditure of Federal resources, and to protect the natural resources associated with coastal barriers. The U.S. Fish and Wildlife Services are responsible for maintaining the official maps of the CBRS and should be contacted if further information is needed.

NTRLNDMKS Natural Landmarks

VERSION DATE: NR

This database contains the best remaining examples of natural beauty in the nation both ecologically and geologically. Sites meeting the standards for designation as Natural Landmarks are entered into the National Registry of Natural Landmarks, which is maintained by the National Park Service (NPS).

REFUGES National Wildlife Refuge System

VERSION DATE: 4/2022

The National Wildlife Refuge System Inventory is a database that is maintained by the U.S. Fish and Wildlife Service (USFWS). Refuges are a system of Federal lands and waters chosen specifically for their value to the wildlife. These refuges are managed to protect the wildlife and habitat resources. This data depicts lands and waters administered by the USFWS in North America, U.S. Trust Territories and Possessions; it may also include inholdings that are not administered by USFWS. The USFWS gives no warranty, expressed or implied, as to the accuracy, reliability, or completeness of the data.

RIVERS National Wild And Scenic Rivers System

VERSION DATE: 12/2021

This United States Department of Agriculture (USDA) Forest Service dataset depicts the classification of each wild and scenic river segment designated by Congress and the Secretary of the Interior for the United States and Puerto Rico. The layer was created by a multi-agency effort including the US Forest Service, National Park Service, Bureau of Land Management and the Fish and Wildlife Service. The spatial data were referenced to the latest High Resolution National Hydrological Data Layer (1:24,000 Scale or better), published by United States Geological Survey. The USDA Forest Service makes no warranty, expressed or implied, including the warranties of merchantability and fitness for a particular purpose, nor assumes any legal liability or responsibility for the accuracy, reliability, completeness, or utility of these geospatial data, or for the improper or incorrect use of these geospatial data. The data are dynamic and may change over time. The

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user is responsible to verify the limitations of the geospatial data and to use the data accordingly.

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

(NEPA) Special Status Species

Project Property:	*Kittle Wilson Road* *091564.00 Kittle Wilson Road* *Columbus, OH 43204*
Project No:	*091564.00*
Order No:	*221120101172*
Requested by:	*SME-USA*
Date Completed:	*12/06/2022*

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DATABASE FINDINGS SUMMARY

DATABASE	ACRONYM	LOCA-TABLE	UNLOCA-TABLE	SEARCH RADIUS (miles)
FEDERAL				
CRITICAL HABITATS	CRITHABITAT	0	0	1.5000
SUB-TOTAL		**0**	**0**	
TOTAL		**0**	**0**	

DocuSign Envelope ID: 2794571F-4177-4E93-8FE6-7C59E1BEC415

LOCATABLE DATABASE FINDINGS

ACRONYM	SEARCH RADIUS (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
FEDERAL								
CRITHABITAT	1.500	0	0	0	0	0	0	0
SUB-TOTAL		**0**	**0**	**0**	**0**	**0**	**0**	**0**
TOTAL		**0**	**0**	**0**	**0**	**0**	**0**	**0**

NOTES:
NS = NOT SEARCHED
TP/AP = TARGET PROPERTY/ADJACENT PROPERTY

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SPECIAL STATUS SPECIES SITE MAP

Target Property (TP)

Quadrangle(s):
Southwest
Columbus
Kittle Wilson Road
091564.00 Kittle Wilson Road
Columbus, OH
43204

N
W E
S

0' 1400' 2800' 4200'
SCALE: 1" = 2800'

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CRITHABITAT Critical Habitats

VERSION DATE: 7/2022

This Critical Habitat data, maintained by the U.S. Fish & Wildlife Service (USFWS), identifies general areas where final critical habitat exists for species listed as endangered or threatened. Critical habitats are areas considered essential for the conservation of a listed species. Special protections and/or restrictions are possible in areas where federal funding, permits, licenses, authorizations, or actions occur or are required. Critical habitat may include an area that is not currently occupied by the species but that will be needed for its recovery. An area is designated as “critical habitat” after the Service publishes a proposed Federal regulation in the Federal Register and receives and considers public comments on the proposal. The final boundaries of the critical habitat are also published in the Federal Register. In addition, the USFWS shall not be held liable for improper or incorrect use of the data described and/or contained herein. Graphical representations provided by the use of this data do not represent a legal description of the critical habitat boundary. The user is referred to the critical habitat textual description in the appropriate final rule for this species as published in the Federal Register. These data are to be used only in the context of the definition and purpose of critical habitat. This primarily relates to Section 7 consultation under the Endangered Species Act. These data may be used for planning and land management purposes. They are not to be used for legal survey use. While the Service makes every effort to represent the critical habitat shown with this data as completely and accurately as possible (given existing time and resource constraints), the USFWS gives no warranty, expressed or implied, as to the accuracy, reliability, or completeness of this data.

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FEMA (Site Only)

Project Property:	*Kittle Wilson Road* *091564.00 Kittle Wilson Road* *Columbus, OH 43204*
Project No:	*091564.00*
Order No:	*22120101172*
Requested by:	*SME-USA*
Date Completed:	*12/06/2022*

Environmental Risk Information Services
A Division of Glacier Media Inc.
1.886.517.5204 | info@erisinfo.com | erisinfo.com

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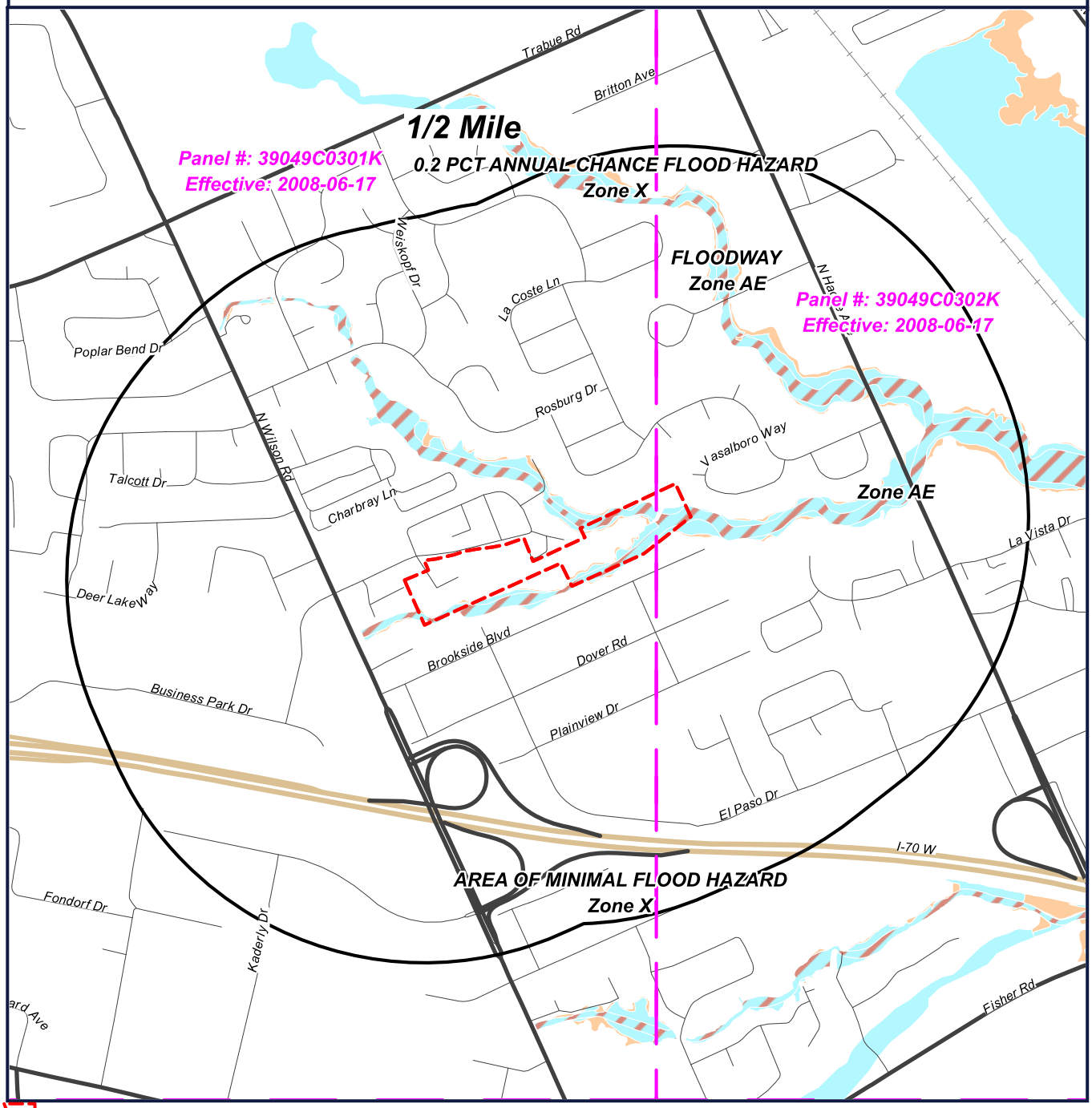
FEMA MAP



Target Property (TP)

Kittle Wilson Road
091564.00 Kittle Wilson Road
Columbus, OH
43204

N
W E
S

Without Base Flood Elevation (BFE)
Zone A, V, A99
With BFE or Depth
Regulatory Floodway Zone AE, AO, AH, VE, AR
0.2% Annual Chance Flood Hazard - Zone X
Future Conditions 1% Annual Chance Flood Hazard - Zone X
Area with Reduced Flood Risk due to Levee - Zone X
Area with Flood Risk due to Levee - Zone D
Area of Undetermined Flood Hazard Zone D
Minimal Flood Hazard - Zone X
Digital Data Not Available

0' 600' 1200' 1800'
SCALE: 1" = 1200'

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FEDERAL EMERGENCY MANAGEMENT AGENCY REPORT

FEMA - Federal Emergency Management Agency

The National Flood Hazard Layer (NFHL) data used in this report is derived from the Federal Emergency Management Agency. The NFHL dataset is a compilation of effective Flood Insurance Rate Map (FIRM) databases (a collection of the digital data that are used in GIS systems for creating new Flood Insurance Rate Maps) and Letters of Map Change (Letters of Map Amendment and Letters of Map Revision only) that create a seamless GIS data layer for United States and its territories. The NFHL is updated as new study or LOMC data becomes effective. Note: Currently, not all areas have modernized FIRM database data available. As a result, users may need to refer to the effective Flood Insurance Rate Map for effective flood hazard information. This data was provided by the Federal Emergency Management Agency's Map Service Center in November of 2013.

FEMA Flood Zone Definitions Relevant to Map

Zone AE Zone AE

Areas subject to inundation by the 1-percent-annual-chance flood event determined by detailed methods. BFEs are shown within these zones. (Zone AE is used on new and revised maps in place of Zones A1–A30.)

Zone X Zone X

An area that is determined to be outside the 100 and 500 year floodplains.

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NWI (Site Only)

Project Property:	*Kittle Wilson Road* *091564.00 Kittle Wilson Road* *Columbus, OH 43204*
Project No:	*091564.00*
Order No:	*22120101172*
Requested by:	*SME-USA*
Date Completed:	*12/06/2022*

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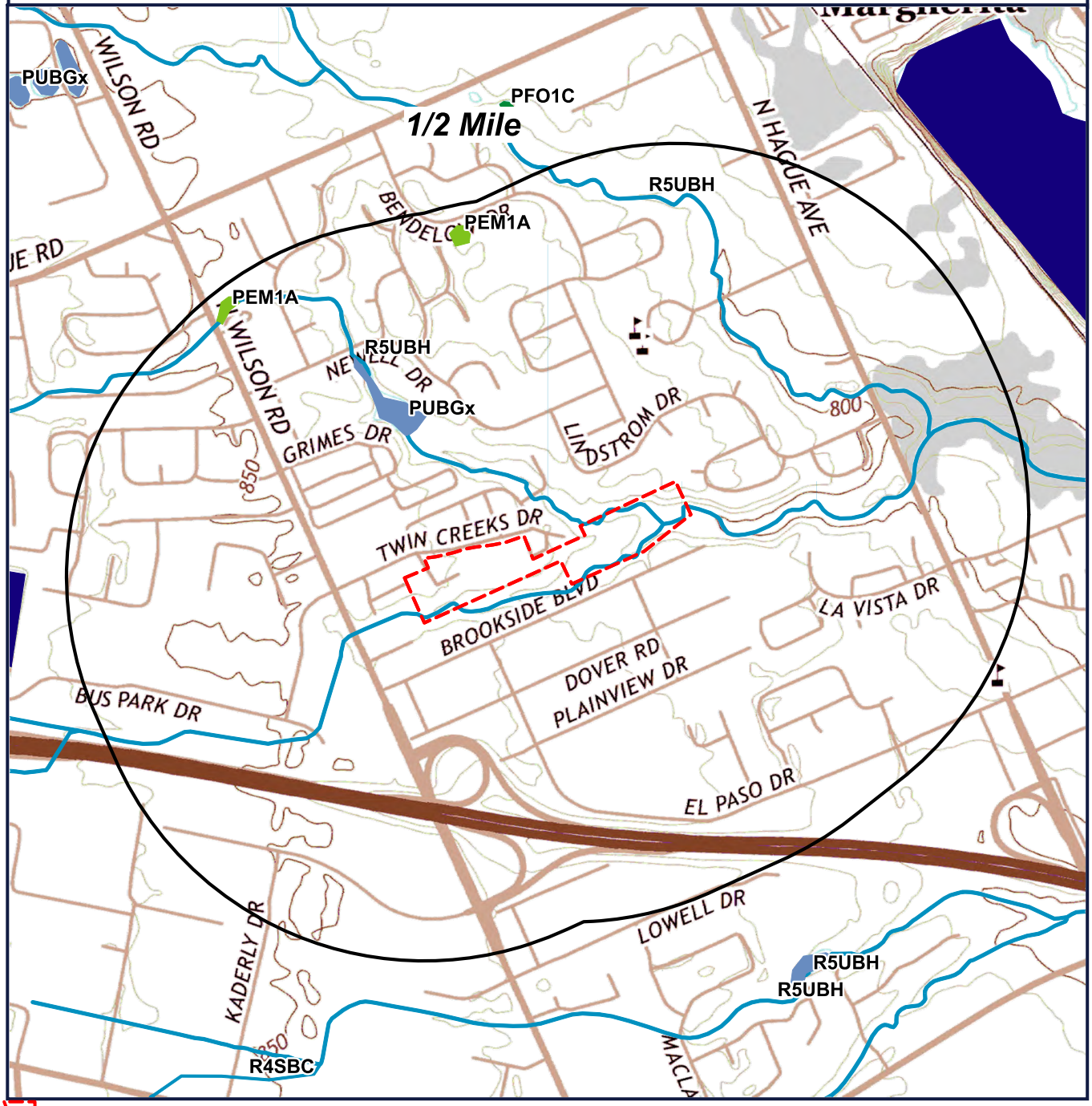
NWI MAP



Target Property (TP)

Kittle Wilson Road
091564.00 Kittle Wilson Road
Columbus, OH
43204

- ESTUARINE AND MARINE DEEPWATER
- ESTUARINE AND MARINE WETLAND
- FRESHWATER EMERGENT WETLAND
- FRESHWATER FORESTED/ SHRUB WETLAND
- LAKE
- OTHER
- RIVERINE
- FRESHWATER POND
- NDA - DIGITAL DATA NOT AVAILABLE

N W E S

0' 600' 1200' 1800'

SCALE: 1" = 1200'

ERIS

1.886.517.5204 | info@erisinfo.com | erisinfo.com

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NATIONAL WETLANDS INVENTORY REPORT

NWI - National Wetlands Inventory

The US NWI digital data bundle is a set of records of wetlands location and classification as defined by the U.S. Fish & Wildlife Service. This dataset is one of a series available in 7.5 minute by 7.5 minute blocks containing ground planimetric coordinates of wetlands point, line, and area features and wetlands attributes. When completed, the series will provide coverage for all of the contiguous United States, Hawaii, Alaska, and U.S. protectorates in the Pacific and Caribbean. The digital data as well as the hardcopy maps that were used as the source for the digital data are produced and distributed by the U.S. Fish & Wildlife Service's National Wetlands Inventory project. Currently, this data is only available in select counties throughout the United States.

NWI Definitions Relevant to Map

PEM1A

SYSTEM: **PALUSTRINE**
CLASS: **EMERGENT**
SUBCLASS: **PERSISTENT**
WATER REGIME: **TEMPORARILY FLOODED**

PUBGx

SYSTEM: **PALUSTRINE**
CLASS: **UNCONSOLIDATED BOTTOM**
WATER REGIME: **INTERMITTENTLY FLOODED**
SPECIAL MODIFIER: **EXCAVATED**

R5UBH

SYSTEM: **RIVERINE**
SUBSYSTEM: **UNKNOWN PERENNIAL**
CLASS: **UNCONSOLIDATED BOTTOM**
WATER REGIME: **PERMANENTLY FLOODED**

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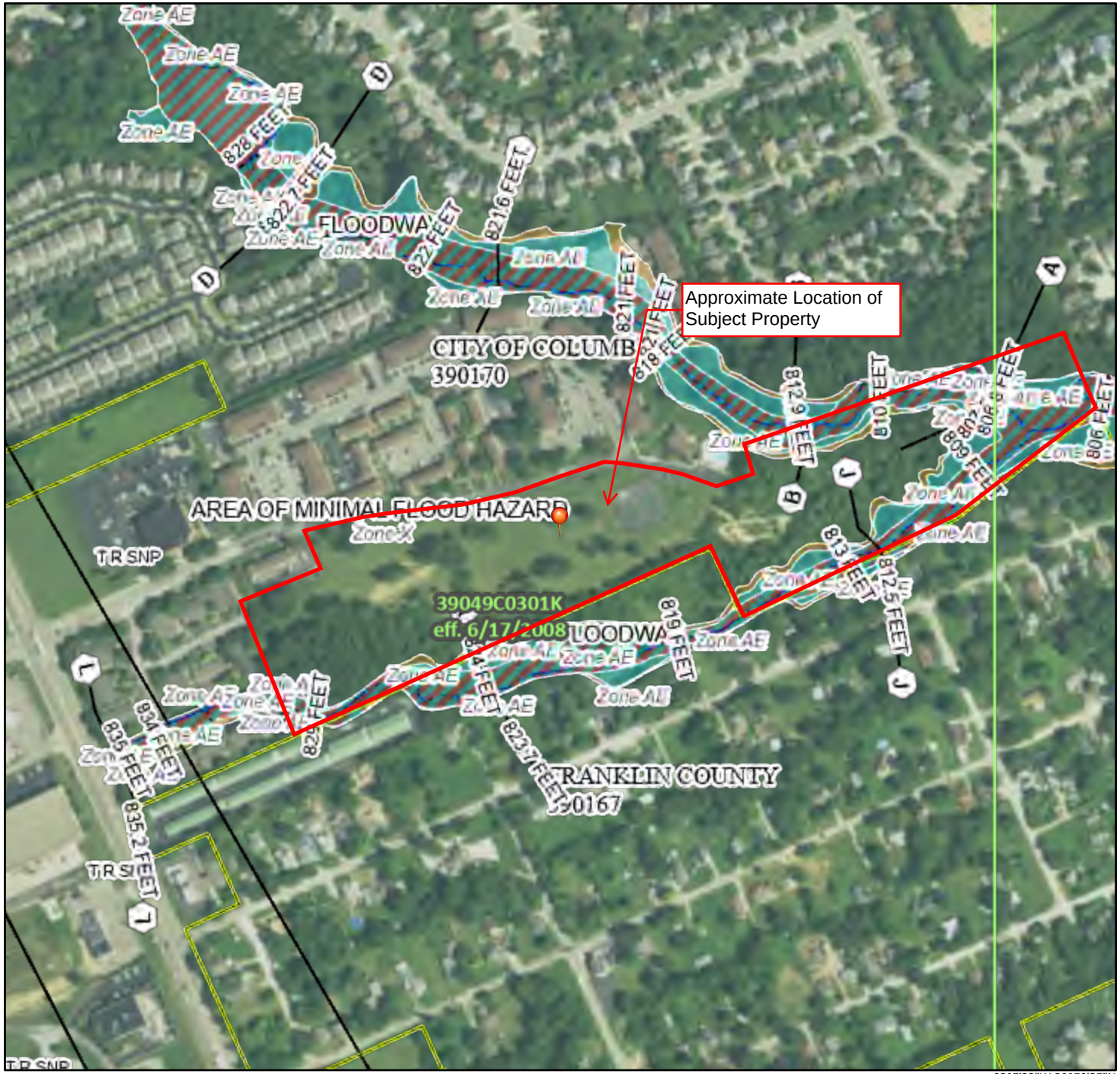
National Flood Hazard Layer FIRMette

FEMA

83°6'11"W 39°59'3"N



83°5'33"W 39°58'35"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- 513 Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 2/2/2024 at 1:54 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

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U.S. Fish and Wildlife Service
National Wetlands Inventory

Twin Creeks

February 2, 2024

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

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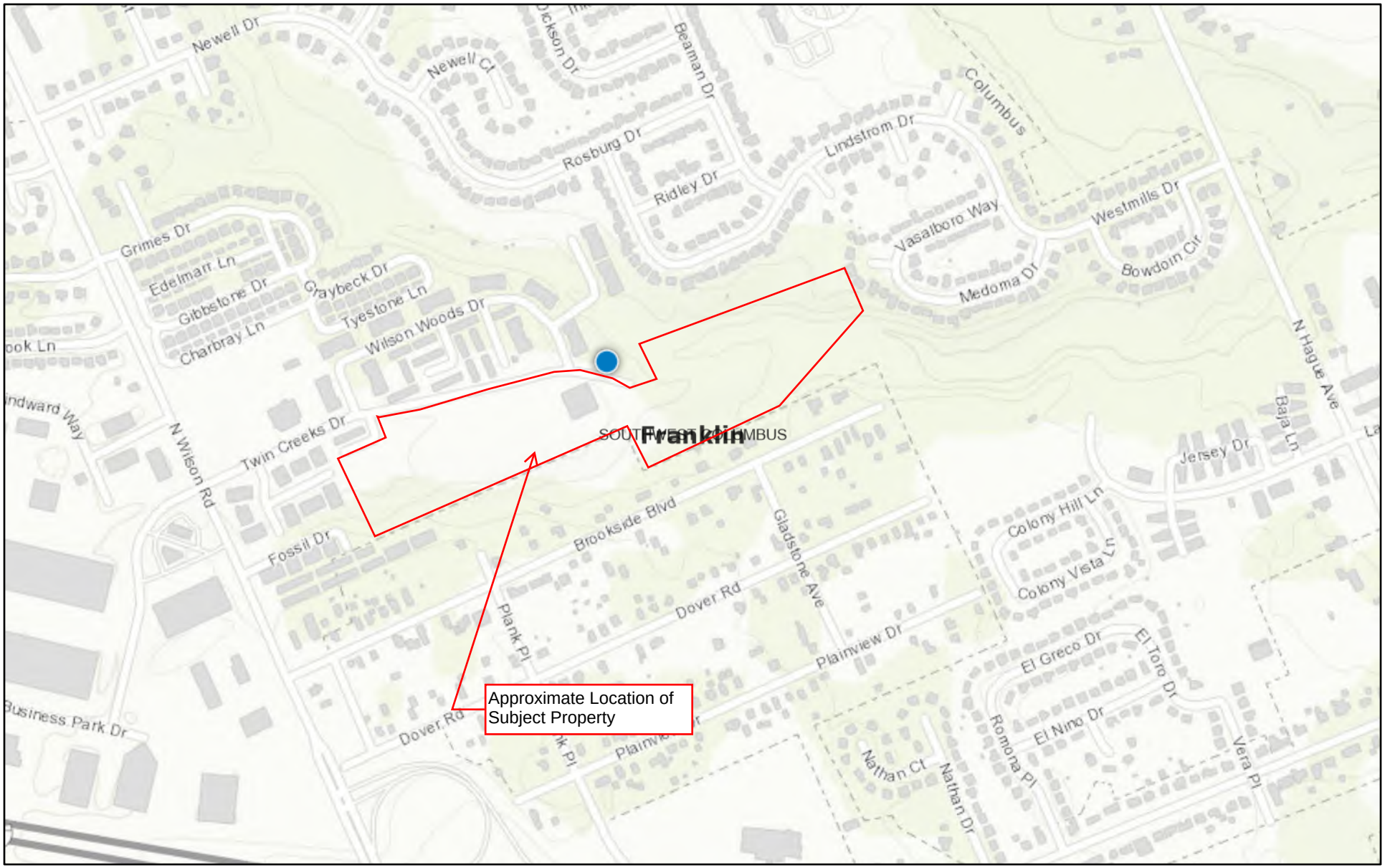
Mines of Ohio



February 2, 2024

Quadrangle 24K (7.5 min)

1:9,028

0 0.05 0.1 0.2 mi

0 0.07 0.15 0.3 km

Franklin County Auditor, Esri, HERE, Garmin, INCREMENT P, USGS, METI/ NASA, EPA, USDA

Ohio Dept. of Natural Resources

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APPENDIX E
QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONAL(S)

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CAYLA M. WOODS

STAFF ENGINEER

(586) 255-4856 cayla.woods@sme-usa.com

- Environmental Services
- Environmental Site Assessments (ESAs)
- Construction Materials Services (CMS)
- Laboratory Testing

BACKGROUND

Cayla is a Staff Engineer and conducts environmental fieldwork including soil, groundwater and soil gas sampling, monitoring well installation, inputting soil and water quality data, conducting GPS surveys and evaluating analytical data. She assists due-diligence investigations including Phase I and II assessments for property transfer and brownfield redevelopment, and hazardous materials assessments to address potential hazards such as asbestos, lead, mercury, polychlorinated biphenyls (PCBs), and biological contaminants in building materials prior to renovation or demolition. Cayla joined SME in 2019 as an intern with our CMS team and was later hired as a full-time employee in 2021.

RELATED PROJECT EXPERIENCE

Performed environmental soil, sediment, groundwater, and soil gas sampling at **Adkins Property in South Point, Ohio**. Along with logging of geologic materials, data analysis and report preparation.

Performed environmental sediment sampling and data validation for **Sheboygan Sediment Sampling in Sheboygan, Wisconsin**.

Performed environmental soil, groundwater, and soil gas sampling at **LDG – Wirthman Brothers in Columbus, Ohio**. Along with logging of geologic materials, data analysis and report preparation.

Preformed hazardous materials assessment for the **Rock and Roll Hall of Fame in Cleveland, Ohio**. Assessment include site visits, bulk asbestos and paint chip sampling, data analysis, and report preparation.

Performed CMS services including field observation and materials testing for earthwork, fill control, foundations, subgrades, reinforcing steel, post-installed anchor installation and concrete in Michigan. She also performed laboratory testing related to soils, aggregates and concrete.

EDUCATION

B.S., Environmental Engineering, Michigan Technological University
Current on-going coursework, M.S., Engineering Management, Oakland University

REGISTRATIONS AND CERTIFICATIONS

OSHA 10-Hour Course
OSHA HAZWOPER
Certified Nuclear Density Meter Operator
Concrete Field-Testing Technician, Grade I – American Concrete Institute (ACI)

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KELSEA M. BOURNS, PE

PROJECT ENGINEER

(216) 536-2581 kelsea.bourns@sme-usa.com

- Environmental Services
- Phase I and II Environmental Site Assessments (ESAs)
- Subsurface Environmental Investigations
- Hazardous Materials Assessments

BACKGROUND

Kelsea is a Project Engineer and environmental lead in our Cleveland, Ohio office responsible for conducting, coordinating, and managing due diligence assessments (Phase I and II ESAs) on a variety of sites to identify and address potential environmental hazards prior to and during redevelopment activities. She also manages hazardous materials assessments to address potential hazards such as asbestos, lead, mercury, polychlorinated biphenyls (PCBs), and biological contaminants prior to renovation or demolition. Kelsea joined SME full time in 2018 after interning with SME's construction materials services (CMS) group in 2016.

RELATED PROJECT EXPERIENCE

Performs **Phase I ESAs** for residential, commercial, and industrial properties in Ohio, Michigan, Indiana, New York, and Pennsylvania. Assessments include site visits, historical records review, and report preparation.

Performs **Phase II ESAs** for commercial and industrial properties throughout Ohio. Assessments include subcontractor scheduling and management, soil, groundwater, and soil gas sampling, data analysis, and report preparation.

Performed multiple **hazardous materials assessments** for the campus structures at **John Carroll University** in University Heights, Ohio. The assessments included site visits, bulk asbestos and paint chip sampling, data analysis, and report preparation.

Performed a **hazardous materials assessment** for the **Rock and Roll Hall of Fame** in Cleveland, Ohio. Assessment included site visits, bulk asbestos and paint chip sampling, data analysis, and report preparation.

Performed **Phase I and II ESAs**, and **hazardous materials assessments** for **Bedrock Capital, LLC** in downtown Cleveland, Ohio. The assessments included site visits, historical records review, soil and soil gas sampling, bulk asbestos and paint chip sampling, data analysis, and report preparation.

EDUCATION

B.S., Environmental Engineering, Michigan State University

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REGISTRATIONS AND CERTIFICATIONS

Professional Engineer: Michigan
OSHA 40-Hour HAZWOPER Health and Safety Certified
Asbestos Building Inspector Initial: Ohio
Asbestos Management Planner Initial: Ohio
Asbestos Inspector: Michigan

AFFILIATIONS

National Association of Women in Construction, Cleveland Chapter 156 – President 2022-2023; Past-President 2023-2024
NAIOP – Northern Ohio
SMPS – Northeast Ohio

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MICHAEL A. YERGIN, CHMM

PROJECT CONSULTANT

(765) 524-0816 michael.yergin@sme-usa.com

- Environmental Services
- Phase I and II Environmental Site Assessments
- Hazardous Materials Inspections
- Asbestos Abatement Oversight

BACKGROUND

Michael is a Project Consultant and Certified Hazardous Materials Manager (CHMM) in SME's Indianapolis office. As a member of SME's environmental services group, he manages a variety of projects including environmental due diligence, site assessments for brownfield redevelopment support, hazardous building materials assessments, and abatement projects. Michael is a licensed Asbestos Inspector, Management Planner, Project Designer, and Project Supervisor through the Asbestos Hazard Emergency Response Act (AHERA) program. He has more than 12 years of experience conducting a variety of due diligence assessments, various subsurface investigations, hazardous materials inspections and overseeing abatements.

RELATED PROJECT EXPERIENCE

Completed the initial Phase I Environmental Site Assessments, asbestos and lead-bearing paint assessments, asbestos abatement technical specifications, tank closures and Phase II assessments to evaluate the site environmental conditions for the purpose of supporting redevelopment of various sites throughout Indiana and Ohio. Projects include the UB-Odd Fellows Building project in Huntington, the Durbin Hotel project in Rushville, various school buildings in Lake County, and the Origin Park project in Clarksville, Indiana. These projects were funded through United States Environmental Protection Agency (US EPA) Brownfield Assessment Grants for Hazardous Substances and Petroleum. Activities included site visits; subcontractor scheduling; collection of soil, groundwater, soil gas and building material samples; data tabulation and comparison; health and safety plans; and technical report preparation.

Provided post-remedial sediment monitoring, data analysis and prepared a final report to document changes over time in the surface weighted average concentration (SWAC) of polychlorinated biphenyls (PCBs) for the Sheboygan River Superfund Site.

Performed oversight of underground storage tank (UST) removal and remediation activities at various sites across Indiana. Activities included on-site soil screening, collection of soil and groundwater samples, site characterization, and preparation of closure reports.

Conducted asbestos inspections for various residential, commercial and multi-million square foot manufacturing facilities including the former GM Stamping Facility in Indianapolis, Warrens Auto Salvage in Kokomo, and various former school buildings throughout Indiana.

Performed sampling for a variety of indoor air quality contaminants including mold, lead, radon, volatile organic compounds (VOCs), hexavalent chromium, silica and nuisance dust.

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RELATED PROJECT EXPERIENCE CONT.

Responsible for designing and implementing Industrial Hygiene programs for a variety of large and small clients.

Performed asbestos, lead and mold abatement oversight and onsite Phase Contract Microscopy analysis within the guidelines of all applicable federal, state and local regulatory agencies for major renovation projects throughout Indiana: Birch Bayh Federal Courthouse in Indianapolis; Minton-Capehart Federal Building in Indianapolis; Crane Naval Support Activity Center in Crane; Indiana University in Bloomington; Ball State University in Muncie; GM Stamping Facility in Indianapolis; and many others.

EDUCATION

B.S., Natural Resources and Environmental Science, Purdue University

REGISTRATIONS AND CERTIFICATIONS

Certified Hazardous Materials Manager, CHMM
Licensed Hazard Evaluation Specialist, Ohio #ES36454
Licensed Asbestos Inspector – Asbestos Hazard Emergency Response Act (AHERA), Indiana #19A0033550
Licensed Asbestos Supervisor, Indiana #19A005034
Licensed Asbestos Management Planner, Indiana #19A008597
Licensed Asbestos Hazard Abatement Project Designer, Ohio #PD60875
Licensed Asbestos Project Designer, Indiana #19A009497
NIOSH 582 Microscopic Analysis

SAFETY TRAINING

OSHA 40-Hour HAZWOPER Training and 8-Hour Refresher
OSHA 10-Hour Construction Safety Training
First Aid and CPR Certified

AFFILIATIONS

Urban Land Institute (ULI) Member

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JASON CHENEY, CHMM

REGIONAL LEADER/SENIOR CONSULTANT

(317) 403-3154 jason.cheney@sme-usa.com

- Environmental Due Diligence
- Brownfield Redevelopment
- Site Assessments
- Asbestos and Hazardous Materials

BACKGROUND

Jason is the Indianapolis Office Regional Office Manager, the Due Diligence Discipline Lead and a Senior Consultant in SME's Environmental Services Group. Jason is the primary reviewer of Phase I ESAs for SME and responsible for our Phase II and Hazardous Materials services as well. He also manages a variety of projects including environmental due diligence, site assessments for brownfield redevelopment support, underground storage tank (UST) closures and assessments, hazardous building materials assessment, and abatement projects. Jason also serves as Team Leader for SME's Indianapolis Environmental senior project level team members. He is a Certified Hazardous Materials Manager (CHMM) and licensed Asbestos Inspector through the Asbestos Hazard Emergency Response Act (AHERA) program. Jason has over 22 years of experience providing due diligence services.

RELATED PROJECT EXPERIENCE

Project Manager for a confidential 20-site portfolio with locations in Indiana, Michigan, Ohio, Tennessee, Florida, Colorado, and Mexico. With the project totaling in revenue of $166,800, Jason was responsible for Phase I and Phase II Environmental Site Assessments across multiple SME offices.

Project Manager for multiple USEPA (United States Environmental Protection Agency) Community Wide Hazardous and Petroleum Substances Assessment Grants. Responsibilities included preparation of brownfield inventory of facilities in the study area, preparation of USEPA approved Quality Assurance Project Plans (QAPPs), management of Phase I and II investigations (drilling, surface sampling, UST removals, hazardous materials surveys) at numerous facilities, preparation of sampling and analysis plans, health and safety plans, and technical reports.

Responsible for management and coordination of due diligence projects which include Phase I ESAs, Phase II investigations, regulatory compliance, UST removals, industrial hygiene surveys, and abatement oversight on a local and national level. Managed multi-site portfolios and performed hundreds of Phase I ESAs annually.

Landfill design and drafting for multiple landfills in Illinois and Indiana. Provided construction quality assurance, on-site engineering and survey control for clay and geosynthetic liner and leachate collection systems at multiple sanitary landfill cells in Illinois and Indiana. Also provided construction quality assurance and on-site engineering for a 2,000-foot slurry wall around a closed landfill.

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EDUCATION

Master of Business Administration, Anderson University
B.S., Natural Resources and Environmental Science, Purdue University

REGISTRATIONS AND CERTIFICATIONS

Certified Hazardous Materials Manager, CHMM No. 14627
Licensed Asbestos Inspector – Asbestos Hazard Emergency Response Act (AHERA)
Nuclear Gauge Radiation Safety Certification

SAFETY TRAINING

OSHA 40-Hour HAZWOPER Training
OSHA 8-Hour HAZWOPER Refresher Training
OSHA 10-Hour Construction Training

AFFILIATIONS

Member of ASTM International – E1527 Task Group Member
Indiana Alliance of Hazardous Materials Professionals, Board Member
Theta Tau National Professional Engineering Fraternity, Member

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Passionate People Building
and Revitalizing our World

SME

4401 Lyman Drive, Suite C
Hilliard, OH 43026

T (614) 705-2250

www.sme-usa.com

March 13, 2023

Mr. Kyle Stanley
Kittle Property Group, Inc.
310 East 96th Street
Suite 400
Indianapolis, Indiana 46240

RE: Pre-Purchase Due Diligence Limited Phase II Environmental Site Assessment
Undeveloped Grass-covered and Wooded Land
Wilson Road and Twin Creeks Drive
Columbus, Ohio
SME Project No. 091564.00.002

Dear Mr. Stanley:

SME is pleased to provide this report that represents a portion of our pre-purchase due diligence evaluation services associated with the vacant land at Wilson Road and Twin Creeks Drive ("Property"). This limited Phase II Environmental Site Assessment (ESA) was conducted in general accordance with SME's change order request, dated January 17, 2023, as accepted by Mike Roderer. Due diligence evaluation services performed by SME for the Property to date include the following:

- Phase I Environmental Site Assessment (ESA) of the Property dated January 6, 2023.
- Limited Phase II ESA of the Property described in this report.

PROPERTY DESCRIPTION AND BACKGROUND

The Property is located east of the intersection of North Wilson Road and Twin Creeks Boulevard, approximately five miles west of downtown Columbus, Ohio. The location of the Property is shown on Figure 1. The Property currently consists of approximately 17.35 acres of undeveloped land. The Property was comprised of wooded and grass covered land with two unnamed creeks converging on the eastern end of the Property. The area west of the Subject Property consisted of commercial and multi-family residential developments, and the areas to the north and south were single- and multi-family residential. The area to the east was a residential development and a city park. The surface of the Property is covered with grass and woods.

The Property was agricultural land from at least 1938 to 1980, at which time disturbed soil was depicted on the west and central portion of the Subject Property. After 1980, aerial photography indicated that agricultural use had stopped. By 2004, the west and east portion of the Subject Property was wooded and the remainder consisted of grass-covered land.

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The Phase I ESA identified the following recognized environmental condition (REC) in connection with the Property:

- REC 1: The potential release of petroleum or hazardous substances associated with disturbed soil and dumping (undocumented soil piles, asphalt millings, household waste, and unidentified granular material) in the central portion of the Subject Property.

PURPOSE

This limited Phase II ESA was conducted on the Property to assess the REC associated with the Property. SME assessed the direct contact with near surface soils (0 to 1 foot below ground surface), pathway. The standards used to evaluate the pathways were based on residential land use. We also evaluated exposure to construction workers.

SCOPE OF ASSESSMENT

SME's scope of services included the following:

- Prepared a site-specific safety plan for use by our personnel during field work activities using SME's Health and Safety Checklist. This included a Job Hazard Analysis for tasks performed on site.
- Advanced seven shallow soil borings with a hand auger to a maximum depth of one foot below ground surface (bgs) for the collection of near-surface soil samples. Sample locations were selected based on historical aerial photography indicating disturbed soil and visual observation of dumped piles of various soil and construction materials. Figure 2 shows the boring locations on the Property.
- Submitted the soil samples to an Ohio certified laboratory for analysis of the chemicals of concern (COCs) associated with the identified REC. These include volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), and Resource Conservation and Recovery Act (RCRA 8) metals.
- Evaluated the results by comparing them to the state standards/criteria/screening levels to assess potential human health risks associated with direct contact to shallow soil, groundwater ingestion, and vapor intrusion and if needed, develop appropriate soil management procedures.
- The field work tasks (soil boring installation, temporary monitoring well installation, soil gas probe installation, soil and groundwater sampling, field screening, etc.) were completed in accordance with SME standard operating procedures that are available upon request.

FINDINGS

Soil sample analytical results for chemicals of concern were measured at concentrations below the Ohio Voluntary Action Program (VAP) criteria. A summary of soil analytical results for the chemicals of concern are presented in Table 1. We compared analytical results to direct-contact standards for residential land use and construction/excavation workers as published in the Ohio VAP criteria, OAC 3745-300-08, Table I (Residential Land Use) and Table IV (Construction Activities). The complete soil analytical results, including detection limits and analytical methods are provided in the laboratory reports in Attachment 1.

A single sample (SB1) contained seven VOC compounds above laboratory reporting limits but below direct contact screening levels. Six different metals were detected in samples above a reporting limit but below a screening standard. Arsenic was detected in six of the seven samples (86 percent) with one sample (SB7) exceeding a statewide standard of 14 milligrams per kilogram (mg/kg). However, Ohio

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EPA has established a background arsenic concentration for Franklin County of 20.7 mg/kg, and the use of the background concentration in lieu of statewide standards is accepted by the agency. The concentration of arsenic found in the soils appears to be related to naturally occurring background levels. The cumulative risk (which accounts for exposure to each of the chemicals detected) from exposure to the chemicals in the soil do not exceed the allowable risk ratios of 1 established by Ohio EPA.

Six of the seven samples contained lead in excess of laboratory reporting limits but at concentrations below the VAP standards. Lead is not included in the cumulative risk evaluation due to the difference in how lead risk is calculated compared to other chemicals.

CONCLUSIONS AND RECOMMENDATIONS

We conducted a Limited Phase II ESA of the undeveloped property south of Twin Creeks Drive, north of Brookside Boulevard, and east of Wilson Road in Columbus, Franklin County, Ohio. We designed the Limited Phase II ESA to further evaluate the recognized environmental condition identified in the January 2023 Phase I ESA and to support your environmental due diligence, liability management, and potential safe use concerns.

The Phase I ESA identified disturbed soil, unvegetated portions of the Subject Property, and dumped piles of soil and various construction materials (concrete rubble and asphalt grindings). In particular, a blue and black granular material was observed in piles on the ground. After further inspection, it appears this blue material was paint chips in a sandy matrix, which has been interpreted as suspected sand filter contents from the nearby swimming pool. Sample SB1 was comprised of this material (non-native soil), and the presence of VOCs in this sample only is attributed to the paint chip component.

Chemicals of concern (COCs) including VOCs, PAHs and metals were not measured in soil above the applicable Ohio VAP residential or the construction/excavation worker standards in the samples collected as part of this assessment. When considering the aggregate exposure to all of the detected compounds from the ESA, the cumulative risk factor from the direct exposure pathway does not the exceed 1. This level of risk indicates the sampled soil does not pose an unacceptable direct contact risk for residents according to the Ohio EPA.

The conclusions in this report are based on visual observations and chemical results from samples collected from the area of assessment only. If additional surface, subsurface, or chemical data become available after the date of issue of this report, the conclusions contained in this report may require modification after SME has reviewed the additional information. This review by SME of additional information would be conducted upon receipt of a request from the client.

LIMITATIONS

SME represents that these services have been conducted with an appropriate standard of practice and level of care, consistent with other qualified environmental practitioners in this area and at this time; however, SME makes no warranties, either express or implied. Subsurface investigations embody inherent uncertainty; conditions may vary from those encountered at the specific sampling locations observed during this limited ESA. Consequently, the data, findings, conclusions and recommendations are based solely upon data obtained at the time and within the scope of these services. The client should be aware that additional assessment activity is likely to reduce the uncertainty, but will entail additional cost. Even with such additional activity, however, uncertainty will remain and cannot be precisely quantified. Nonetheless, site-specific conditions can present detection problems and may affect the validity of the findings and recommendations presented in this report. The client is referred to SME's Terms and Conditions for additional advisory information regarding limitations of Phase II ESA and related services.

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If you have questions concerning this report, please contact us.

Very truly yours,

SME

PREPARED BY:

Ben Chenoweth
Senior Project Consultant

REVIEWED BY:

Keith Egan, CP
Chief Consultant

Attachments: Figure 1 – Property Location
Figure 2 – Sample Location Diagram
Table 1 – Soil Analytical Results
Attachment 1 – Laboratory Reports

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FIGURES

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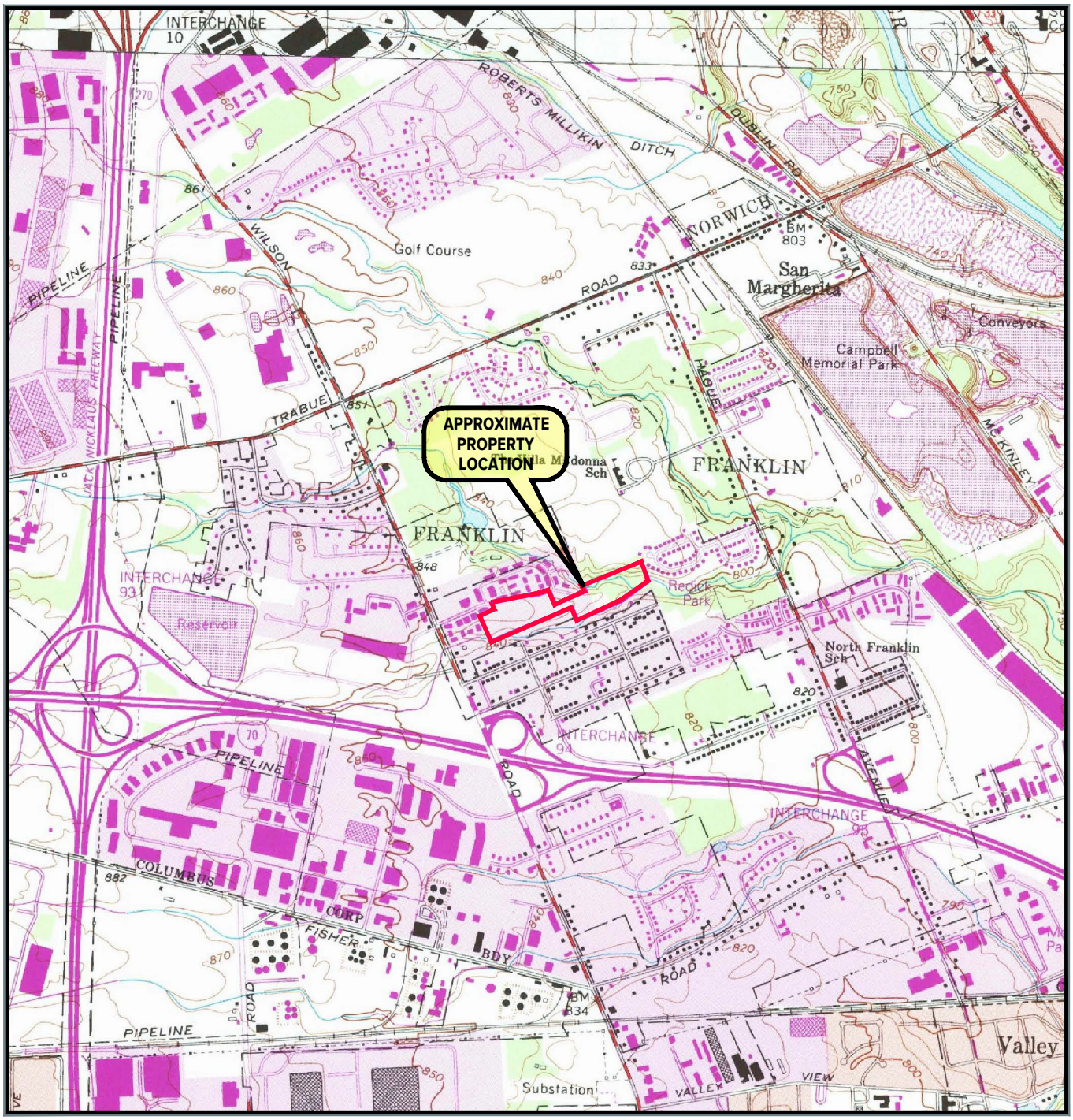

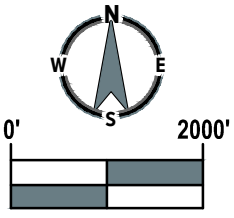

SCALE: 1" = 2000'

Base map obtained from ERIS®

USGS QUADRANGLE(s) REFERENCED

SOUTHWEST COLUMBUS (OH) 1995

No.	Revision Date		
		Date	2-8-2023
		Drawn By	JAB
		Designed By	CMW
		Scale	1" = 2000'
		Project	091564.00

PROPERTY LOCATION MAP
KITTLE WILSON ROAD
COLUMBUS, OHIO

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Figure No. 1

Feb 08, 2023 - 3:56pm - julie.blake

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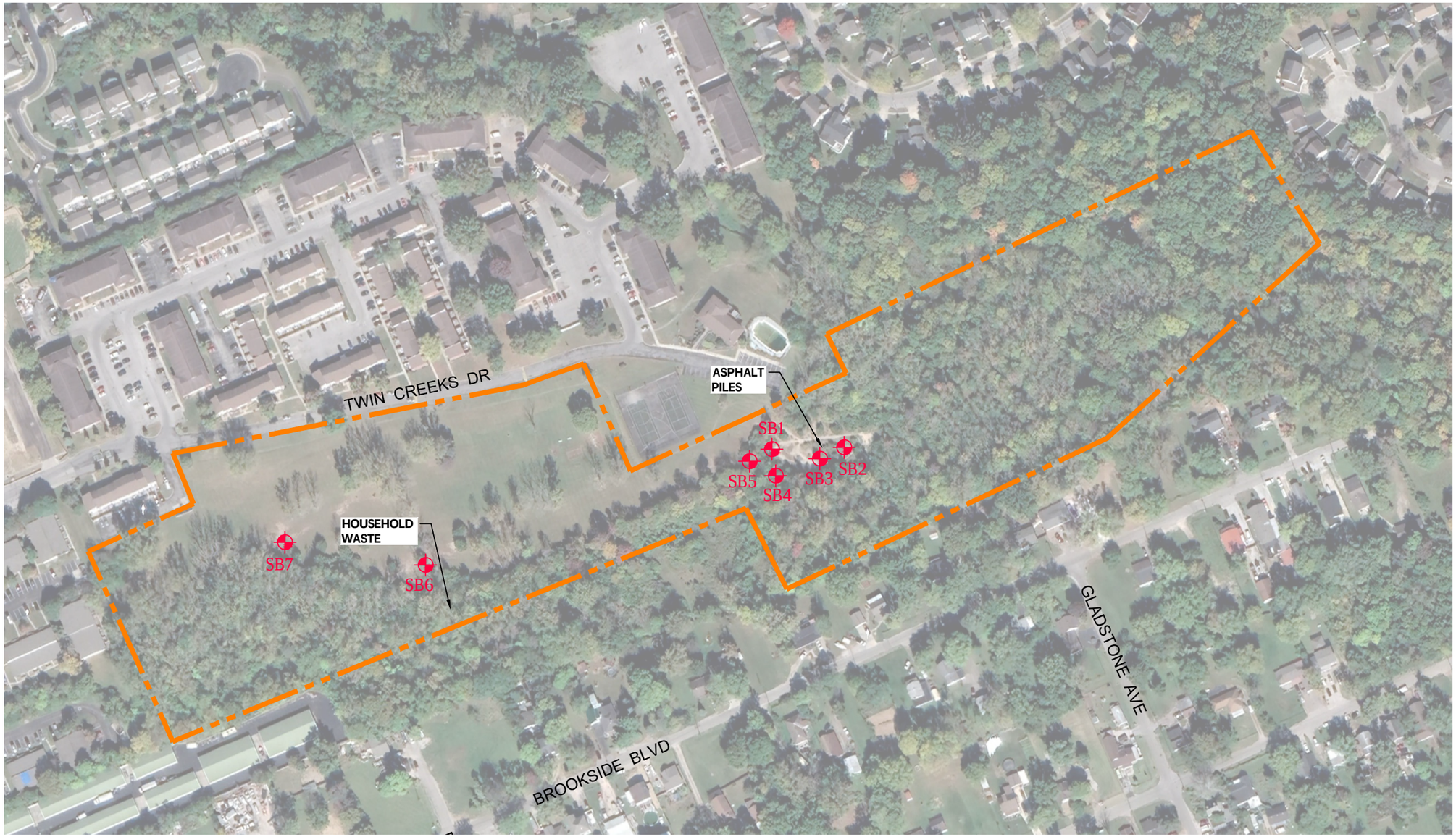

LEGEND

APPROXIMATE PROPERTY BOUNDARY

APPROXIMATE SOIL BORING LOCATION

NOTE:
1. AERIAL IMAGE TAKEN FROM GOOGLE EARTH PRO WITH AN IMAGE DATE OF 10-8-2022 AND SITE RECONNAISSANCE.

N
W E
S

0' 200' 400'

GRAPHIC SCALE: 1" = 200'

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Project
KITTLE WILSON ROAD

Project Location
COLUMBUS, OHIO

Sheet Name
SAMPLE LOCATION DIAGRAM

No.	Revision Date

Date 2-8-2023
CADD JAB
Designer CMW
Scale AS NOTED
Project 091564.00
Figure No. 2

DRAWING NOTE: SCALE DEPICTED IS MEANT FOR 11" X 17" AND WILL SCALE INCORRECTLY IF PRINTED ON ANY OTHER SIZE MEDIA

NO REPRODUCTION SHALL BE MADE WITHOUT THE PRIOR CONSENT OF SME
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TABLES

TABLE 1 – SOIL ANALYTICAL RESULTS

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TABLE 1

SUMMARY OF SOIL ANALYTICAL RESULTS
WILSON RD. AND TWIN CREEKS DR.
COLUMBUS, OHIO
SME PROJECT NO.: 091564.00

Constituent	Ohio Direct Contact Standards					Chemical Analysis Results Sample Identification Depth (Feet) Date Collected Environmental Concern							Exposure Point Concentration at Property
	Residential Land Use Non Carcinogenic	Residential Land Use Carcinogenic	Construction & Excavation Worker Non Carcinogenic	Construction & Excavation Worker Carcinogenic		SB1	SB2	SB3	SB4	SB5	SB6	SB7	
						0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	0' - 2'	
						1/24/2023	1/24/2023	1/24/2023	1/24/2023	1/24/2023	1/24/2023	1/24/2023	
						REC 1, Soil Piles							
VOCs					CAS #								
1,2,4-Trimethylbenzene	690	NA	6,000	NA	95-63-6	**7.1**	<0.0021	<0.0022	<0.0021	<0.0021	<0.0018	<0.0018	7
1,3,5-Trimethylbenzene	620	NA	5,000	NA	108-67-8	**5.7**	<0.0021	<0.0022	<0.0021	<0.0021	<0.0018	<0.0018	6
Ethylbenzene	7,600	140	190,000	6,100	100-41-4	**0.13**	<0.0011	<0.0011	<0.001	<0.0011	<0.00092	<0.00089	0
Isopropylbenzene	4,600	NA	88,000	NA	98-82-8	**0.87**	<0.0011	<0.0011	<0.001	<0.0011	<0.00092	<0.00089	1
o-Xylene	NA	NA	NA	NA	95-47-6	**1.2**	<0.0011	<0.0011	<0.001	<0.0011	<0.00092	<0.00089	1
p/m-Xylene	NA	NA	NA	NA	179601-23-1	**0.67**	<0.0021	<0.0022	<0.0021	<0.0021	<0.0018	<0.0018	1
Styrene	14,000	NA	110,000	NA	100-42-5	**0.11**	<0.0011	<0.0011	<0.001	<0.0011	<0.00092	<0.00089	0
Xylenes, Total	1,300	NA	6,200	NA	1330-20-7	**1.9**	<0.0011	<0.0011	<0.001	<0.0011	<0.00092	<0.00089	2
PAHs													
All PAHs	varies	varies	varies	varies	varies	All below laboratory reporting limits							0
METALS													
Arsenic, Total (See Note)	70	20.7	760	1,400	7440-38-2	<0.445	**8.79**	**9.07**	**8.44**	**6.74**	**12.3**	**14.6**	15
Barium, Total	30,000	NA	350,000	NA	7440-39-3	**158**	**53**	**112**	**140**	**42.2**	**40.2**	**57.5**	158
Cadmium, Total	140	30,000	710	9,500	7440-43-9	**0.94**	<0.455	<0.438	<0.463	<0.452	<0.465	<0.473	1
Chromium, Total (See Note)	230,000	NA	920,000	NA	7440-47-3	**39.7**	**8.53**	**8.42**	**8.79**	**5.24**	**6.05**	**8.40**	40
Lead, Total (See Note)	400	NA	800	NA	7439-92-1	<2.22	**6.58**	**9.62**	**7.22**	**5.99**	**7.55**	**8.98**	10
Silver, Total	780	NA	12,000	NA	7440-22-4	**1.27**	**0.459**	**0.503**	**0.629**	**0.501**	**0.457**	**0.47**	1

Notes are found on the last page of this table.

TABLE 1

SUMMARY OF SOIL ANALYTICAL RESULTS
WILSON RD. AND TWIN CREEKS DR.
COLUMBUS, OHIO
SME PROJECT NO.: 091564.00

Constituent	Ohio Direct Contact Risk Ratios			
	Residential Land Use Non Carcinogenic	Residential Land Use Carcinogenic	Construction & Excavation Worker Non Carcinogenic	Construction & Excavation Worker Carcinogenic
VOCs				
1,2,4-Trimethylbenzene	1.03E-02	NA	1.18E-03	NA
1,3,5-Trimethylbenzene	9.19E-03	NA	1.14E-03	NA
Ethylbenzene	1.71E-05	9.29E-04	6.84E-07	2.13E-05
Isopropylbenzene	1.89E-04	NA	9.89E-06	NA
o-Xylene	NA	NA	NA	NA
p/m-Xylene	NA	NA	NA	NA
Styrene	7.86E-06	NA	1.00E-06	NA
Xylenes, Total	1.46E-03	NA	3.06E-04	NA
PAHs				
All PAHs	NA	NA	NA	NA
METALS				
Arsenic, Total (See Note)	2.09E-01	7.05E-01	1.92E-02	1.04E-02
Barium, Total	5.27E-03	NA	4.51E-04	NA
Cadmium, Total	6.69E-03	3.12E-05	1.32E-03	9.85E-05
Chromium, Total (See Note)	1.73E-04	NA	4.32E-05	NA
Lead, Total (See Note)	2.41E-02	NA	1.20E-02	NA
Silver, Total	1.63E-03	NA	1.06E-04	NA
	0.3	0.7	0.04	0.01

Notes are found on the last page of this table.

TABLE 1

SUMMARY OF SOIL ANALYTICAL RESULTS
WILSON RD. AND TWIN CREEKS DR.
COLUMBUS, OHIO
SME PROJECT NO.: 091564.00

Notes:

Only analytes measured at concentrations above their respective Method Reporting Limit in at least one sample are listed.

Concentrations reported in micrograms per kilogram (µg/kg).

< - Chemical not measured in the sample at the listed reporting limit.

Numerical standards taken from Ohio EPA VAP OAC 3745-300-008 Generic Numerical Standards, Appendix A.

Ohio EPA does not provide screening values for total chromium. The standards shown are for trivalent chromium.

Ohio EPA does not provide carcinogenic/non-carinogenic screening values for lead. The standards shown are generic direct contact standards.

Ohio EPA has established a background arsenic in soil concentration of 20.7 mg/kg for Franklin County, which exceeds the statewide residential standard.

Results above the laboratory reporting limit are shown in **BOLD**. Results exceeding one or more criteria are shaded, as are the criteria which were exceeded.

VOCs - Volatile Organic Compounds

PAHs - Polynuclear Aromatic Hydrocarbons

PCBs - Polychlorinate Biphenyls

TPH - Total Petroleum Hydrocarbons

Refer to the analytical report for the full list analytes.

CS - Criterion is specific to individual constituent.

<RL - concentrations of all non-listed constituents were below their respective Method Reporting Limits

NA - Not Applicable.

NE - Not evaluated.

Exposure Point Concentration is either the maximum or the 95% UCL.

Denotes chemical and concentration that exceeds direct contact standards.

LABORATORY REPORTS

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ANALYTICAL REPORT

Lab Number:	L2304232
Client:	SME 4401 Lyman Drive Suite C Hilliard, OH 43026
ATTN:	Ben Chenoweth
Phone:	(614) 705-2250
Project Name:	KITTLE WILSON RD
Project Number:	091564.00.002
Report Date:	02/08/23

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: KITTLE WILSON RD
Project Number: 091564.00.002

Lab Number: L2304232
Report Date: 02/08/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2304232-01	SB1	SOIL	COLUMBUS, OH	01/24/23 14:56	01/25/23
L2304232-02	SB2	SOIL	COLUMBUS, OH	01/24/23 15:03	01/25/23
L2304232-03	SB3	SOIL	COLUMBUS, OH	01/24/23 15:14	01/25/23
L2304232-04	SB4	SOIL	COLUMBUS, OH	01/24/23 15:29	01/25/23
L2304232-05	SB5	SOIL	COLUMBUS, OH	01/24/23 15:35	01/25/23
L2304232-06	SB6	SOIL	COLUMBUS, OH	01/24/23 15:50	01/25/23
L2304232-07	SB7	SOIL	COLUMBUS, OH	01/24/23 15:57	01/25/23

Project Name:	KITTLE WILSON RD	**Lab Number:**	L2304232
Project Number:	091564.00.002	**Report Date:**	02/08/23

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	KITTLE WILSON RD	**Lab Number:**	L2304232
Project Number:	091564.00.002	**Report Date:**	02/08/23

Case Narrative (continued)

Semivolatile Organics

L2304232-01D: The sample has elevated detection limits due to the dilution required by the sample matrix.

L2304232-01D: The surrogate recoveries are below the acceptance criteria for nitrobenzene-d5 (0%), 2-fluorobiphenyl (0%) and 4-terphenyl-d14 (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

Total Metals

L2304232-01 through -07: The sample has elevated detection limits for silver due to the dilution required by the sample matrix.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 02/08/23

ORGANICS

VOLATILES

Project Name: KITTLE WILSON RD
Project Number: 091564.00.002
Lab Number: L2304232
Report Date: 02/08/23

SAMPLE RESULTS

Lab ID: L2304232-01
Client ID: SB1
Sample Location: COLUMBUS, OH
Date Collected: 01/24/23 14:56
Date Received: 01/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 02/03/23 04:55
Analyst: JIC
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.60	--	1
Chloromethane	ND		mg/kg	0.24	--	1
Vinyl chloride	ND		mg/kg	0.060	--	1
Bromomethane	ND		mg/kg	0.12	--	1
Chloroethane	ND		mg/kg	0.12	--	1
Trichlorofluoromethane	ND		mg/kg	0.24	--	1
1,1-Dichloroethene	ND		mg/kg	0.060	--	1
Carbon disulfide	ND		mg/kg	0.60	--	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.24	--	1
Methylene chloride	ND		mg/kg	0.30	--	1
Acetone	ND		mg/kg	0.60	--	1
trans-1,2-Dichloroethene	ND		mg/kg	0.090	--	1
Methyl Acetate	ND		mg/kg	0.24	--	1
Methyl tert butyl ether	ND		mg/kg	0.12	--	1
1,1-Dichloroethane	ND		mg/kg	0.060	--	1
cis-1,2-Dichloroethene	ND		mg/kg	0.060	--	1
1,2-Dichloroethene, Total	ND		mg/kg	0.060	--	1
Cyclohexane	ND		mg/kg	0.60	--	1
Bromochloromethane	ND		mg/kg	0.12	--	1
Chloroform	ND		mg/kg	0.090	--	1
Carbon tetrachloride	ND		mg/kg	0.060	--	1
1,1,1-Trichloroethane	ND		mg/kg	0.030	--	1
2-Butanone	ND		mg/kg	0.60	--	1
Benzene	ND		mg/kg	0.030	--	1
1,2-Dichloroethane	ND		mg/kg	0.060	--	1
Methyl cyclohexane	ND		mg/kg	0.24	--	1
Trichloroethene	ND		mg/kg	0.030	--	1
1,2-Dichloropropane	ND		mg/kg	0.060	--	1

Project Name: KITTLE WILSON RD **Lab Number:** L2304232

Project Number: 091564.00.002 **Report Date:** 02/08/23

SAMPLE RESULTS

Lab ID: L2304232-01 Date Collected: 01/24/23 14:56

Client ID: SB1 Date Received: 01/25/23

Sample Location: COLUMBUS, OH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Bromodichloromethane	ND		mg/kg	0.030	--	1
1,4-Dioxane	ND		mg/kg	4.8	--	1
cis-1,3-Dichloropropene	ND		mg/kg	0.030	--	1
Toluene	ND		mg/kg	0.060	--	1
4-Methyl-2-pentanone	ND		mg/kg	0.60	--	1
Tetrachloroethene	ND		mg/kg	0.030	--	1
trans-1,3-Dichloropropene	ND		mg/kg	0.060	--	1
1,3-Dichloropropene, Total	ND		mg/kg	0.030	--	1
1,1,2-Trichloroethane	ND		mg/kg	0.060	--	1
Dibromochloromethane	ND		mg/kg	0.060	--	1
1,2-Dibromoethane	ND		mg/kg	0.030	--	1
2-Hexanone	ND		mg/kg	0.60	--	1
Chlorobenzene	ND		mg/kg	0.030	--	1
Ethylbenzene	0.13		mg/kg	0.060	--	1
p/m-Xylene	0.67		mg/kg	0.12	--	1
o-Xylene	1.2		mg/kg	0.060	--	1
Xylenes, Total	1.9		mg/kg	0.060	--	1
Styrene	0.11		mg/kg	0.060	--	1
Bromoform	ND		mg/kg	0.24	--	1
Isopropylbenzene	0.87		mg/kg	0.060	--	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.030	--	1
1,3,5-Trimethylbenzene	5.7		mg/kg	0.12	--	1
1,2,4-Trimethylbenzene	7.1		mg/kg	0.12	--	1
1,3-Dichlorobenzene	ND		mg/kg	0.12	--	1
1,4-Dichlorobenzene	ND		mg/kg	0.12	--	1
1,2-Dichlorobenzene	ND		mg/kg	0.12	--	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.18	--	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.12	--	1
Naphthalene	ND		mg/kg	0.24	--	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.12	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	98		70-130

Project Name: KITTLE WILSON RD
Project Number: 091564.00.002
Lab Number: L2304232
Report Date: 02/08/23

SAMPLE RESULTS

Lab ID: L2304232-02
Client ID: SB2
Sample Location: COLUMBUS, OH
Date Collected: 01/24/23 15:03
Date Received: 01/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 02/03/23 04:34
Analyst: JIC
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.011	--	1
Chloromethane	ND		mg/kg	0.0042	--	1
Vinyl chloride	ND		mg/kg	0.0011	--	1
Bromomethane	ND		mg/kg	0.0021	--	1
Chloroethane	ND		mg/kg	0.0021	--	1
Trichlorofluoromethane	ND		mg/kg	0.0042	--	1
1,1-Dichloroethene	ND		mg/kg	0.0011	--	1
Carbon disulfide	ND		mg/kg	0.011	--	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0042	--	1
Methylene chloride	ND		mg/kg	0.0053	--	1
Acetone	ND		mg/kg	0.026	--	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0016	--	1
Methyl Acetate	ND		mg/kg	0.0042	--	1
Methyl tert butyl ether	ND		mg/kg	0.0021	--	1
1,1-Dichloroethane	ND		mg/kg	0.0011	--	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0011	--	1
1,2-Dichloroethene, Total	ND		mg/kg	0.0011	--	1
Cyclohexane	ND		mg/kg	0.011	--	1
Bromochloromethane	ND		mg/kg	0.0021	--	1
Chloroform	ND		mg/kg	0.0016	--	1
Carbon tetrachloride	ND		mg/kg	0.0011	--	1
1,1,1-Trichloroethane	ND		mg/kg	0.00053	--	1
2-Butanone	ND		mg/kg	0.011	--	1
Benzene	ND		mg/kg	0.00053	--	1
1,2-Dichloroethane	ND		mg/kg	0.0011	--	1
Methyl cyclohexane	ND		mg/kg	0.0042	--	1
Trichloroethene	ND		mg/kg	0.00053	--	1
1,2-Dichloropropane	ND		mg/kg	0.0011	--	1

Project Name: KITTLE WILSON RD **Lab Number:** L2304232

Project Number: 091564.00.002 **Report Date:** 02/08/23

SAMPLE RESULTS

Lab ID: L2304232-02 Date Collected: 01/24/23 15:03

Client ID: SB2 Date Received: 01/25/23

Sample Location: COLUMBUS, OH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Bromodichloromethane	ND		mg/kg	0.00053	--	1
1,4-Dioxane	ND		mg/kg	0.085	--	1
cis-1,3-Dichloropropene	ND		mg/kg	0.00053	--	1
Toluene	ND		mg/kg	0.0011	--	1
4-Methyl-2-pentanone	ND		mg/kg	0.011	--	1
Tetrachloroethene	ND		mg/kg	0.00053	--	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0011	--	1
1,3-Dichloropropene, Total	ND		mg/kg	0.00053	--	1
1,1,2-Trichloroethane	ND		mg/kg	0.0011	--	1
Dibromochloromethane	ND		mg/kg	0.0011	--	1
1,2-Dibromoethane	ND		mg/kg	0.00053	--	1
2-Hexanone	ND		mg/kg	0.011	--	1
Chlorobenzene	ND		mg/kg	0.00053	--	1
Ethylbenzene	ND		mg/kg	0.0011	--	1
p/m-Xylene	ND		mg/kg	0.0021	--	1
o-Xylene	ND		mg/kg	0.0011	--	1
Xylenes, Total	ND		mg/kg	0.0011	--	1
Styrene	ND		mg/kg	0.0011	--	1
Bromoform	ND		mg/kg	0.0042	--	1
Isopropylbenzene	ND		mg/kg	0.0011	--	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00053	--	1
1,3,5-Trimethylbenzene	ND		mg/kg	0.0021	--	1
1,2,4-Trimethylbenzene	ND		mg/kg	0.0021	--	1
1,3-Dichlorobenzene	ND		mg/kg	0.0021	--	1
1,4-Dichlorobenzene	ND		mg/kg	0.0021	--	1
1,2-Dichlorobenzene	ND		mg/kg	0.0021	--	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0032	--	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0021	--	1
Naphthalene	ND		mg/kg	0.0042	--	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0021	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	98		70-130

Project Name: KITTLE WILSON RD
Project Number: 091564.00.002
Lab Number: L2304232
Report Date: 02/08/23

SAMPLE RESULTS

Lab ID: L2304232-03
Client ID: SB3
Sample Location: COLUMBUS, OH
Date Collected: 01/24/23 15:14
Date Received: 01/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 02/03/23 04:13
Analyst: JIC
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.011	--	1
Chloromethane	ND		mg/kg	0.0045	--	1
Vinyl chloride	ND		mg/kg	0.0011	--	1
Bromomethane	ND		mg/kg	0.0022	--	1
Chloroethane	ND		mg/kg	0.0022	--	1
Trichlorofluoromethane	ND		mg/kg	0.0045	--	1
1,1-Dichloroethene	ND		mg/kg	0.0011	--	1
Carbon disulfide	ND		mg/kg	0.011	--	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0045	--	1
Methylene chloride	ND		mg/kg	0.0056	--	1
Acetone	ND		mg/kg	0.028	--	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0017	--	1
Methyl Acetate	ND		mg/kg	0.0045	--	1
Methyl tert butyl ether	ND		mg/kg	0.0022	--	1
1,1-Dichloroethane	ND		mg/kg	0.0011	--	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0011	--	1
1,2-Dichloroethene, Total	ND		mg/kg	0.0011	--	1
Cyclohexane	ND		mg/kg	0.011	--	1
Bromochloromethane	ND		mg/kg	0.0022	--	1
Chloroform	ND		mg/kg	0.0017	--	1
Carbon tetrachloride	ND		mg/kg	0.0011	--	1
1,1,1-Trichloroethane	ND		mg/kg	0.00056	--	1
2-Butanone	ND		mg/kg	0.011	--	1
Benzene	ND		mg/kg	0.00056	--	1
1,2-Dichloroethane	ND		mg/kg	0.0011	--	1
Methyl cyclohexane	ND		mg/kg	0.0045	--	1
Trichloroethene	ND		mg/kg	0.00056	--	1
1,2-Dichloropropane	ND		mg/kg	0.0011	--	1

Project Name: KITTLE WILSON RD **Lab Number:** L2304232

Project Number: 091564.00.002 **Report Date:** 02/08/23

SAMPLE RESULTS

Lab ID: L2304232-03 Date Collected: 01/24/23 15:14

Client ID: SB3 Date Received: 01/25/23

Sample Location: COLUMBUS, OH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Bromodichloromethane	ND		mg/kg	0.00056	--	1
1,4-Dioxane	ND		mg/kg	0.090	--	1
cis-1,3-Dichloropropene	ND		mg/kg	0.00056	--	1
Toluene	ND		mg/kg	0.0011	--	1
4-Methyl-2-pentanone	ND		mg/kg	0.011	--	1
Tetrachloroethene	ND		mg/kg	0.00056	--	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0011	--	1
1,3-Dichloropropene, Total	ND		mg/kg	0.00056	--	1
1,1,2-Trichloroethane	ND		mg/kg	0.0011	--	1
Dibromochloromethane	ND		mg/kg	0.0011	--	1
1,2-Dibromoethane	ND		mg/kg	0.00056	--	1
2-Hexanone	ND		mg/kg	0.011	--	1
Chlorobenzene	ND		mg/kg	0.00056	--	1
Ethylbenzene	ND		mg/kg	0.0011	--	1
p/m-Xylene	ND		mg/kg	0.0022	--	1
o-Xylene	ND		mg/kg	0.0011	--	1
Xylenes, Total	ND		mg/kg	0.0011	--	1
Styrene	ND		mg/kg	0.0011	--	1
Bromoform	ND		mg/kg	0.0045	--	1
Isopropylbenzene	ND		mg/kg	0.0011	--	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00056	--	1
1,3,5-Trimethylbenzene	ND		mg/kg	0.0022	--	1
1,2,4-Trimethylbenzene	ND		mg/kg	0.0022	--	1
1,3-Dichlorobenzene	ND		mg/kg	0.0022	--	1
1,4-Dichlorobenzene	ND		mg/kg	0.0022	--	1
1,2-Dichlorobenzene	ND		mg/kg	0.0022	--	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0034	--	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0022	--	1
Naphthalene	ND		mg/kg	0.0045	--	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0022	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	99		70-130

Project Name: KITTLE WILSON RD
Project Number: 091564.00.002
Lab Number: L2304232
Report Date: 02/08/23

SAMPLE RESULTS

Lab ID: L2304232-04
Client ID: SB4
Sample Location: COLUMBUS, OH
Date Collected: 01/24/23 15:29
Date Received: 01/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 02/03/23 03:53
Analyst: JIC
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.010	--	1
Chloromethane	ND		mg/kg	0.0042	--	1
Vinyl chloride	ND		mg/kg	0.0010	--	1
Bromomethane	ND		mg/kg	0.0021	--	1
Chloroethane	ND		mg/kg	0.0021	--	1
Trichlorofluoromethane	ND		mg/kg	0.0042	--	1
1,1-Dichloroethene	ND		mg/kg	0.0010	--	1
Carbon disulfide	ND		mg/kg	0.010	--	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0042	--	1
Methylene chloride	ND		mg/kg	0.0052	--	1
Acetone	ND		mg/kg	0.026	--	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0016	--	1
Methyl Acetate	ND		mg/kg	0.0042	--	1
Methyl tert butyl ether	ND		mg/kg	0.0021	--	1
1,1-Dichloroethane	ND		mg/kg	0.0010	--	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0010	--	1
1,2-Dichloroethene, Total	ND		mg/kg	0.0010	--	1
Cyclohexane	ND		mg/kg	0.010	--	1
Bromochloromethane	ND		mg/kg	0.0021	--	1
Chloroform	ND		mg/kg	0.0016	--	1
Carbon tetrachloride	ND		mg/kg	0.0010	--	1
1,1,1-Trichloroethane	ND		mg/kg	0.00052	--	1
2-Butanone	ND		mg/kg	0.010	--	1
Benzene	ND		mg/kg	0.00052	--	1
1,2-Dichloroethane	ND		mg/kg	0.0010	--	1
Methyl cyclohexane	ND		mg/kg	0.0042	--	1
Trichloroethene	ND		mg/kg	0.00052	--	1
1,2-Dichloropropane	ND		mg/kg	0.0010	--	1

Project Name: KITTLE WILSON RD **Lab Number:** L2304232

Project Number: 091564.00.002 **Report Date:** 02/08/23

SAMPLE RESULTS

Lab ID: L2304232-04 Date Collected: 01/24/23 15:29

Client ID: SB4 Date Received: 01/25/23

Sample Location: COLUMBUS, OH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Bromodichloromethane	ND		mg/kg	0.00052	--	1
1,4-Dioxane	ND		mg/kg	0.083	--	1
cis-1,3-Dichloropropene	ND		mg/kg	0.00052	--	1
Toluene	ND		mg/kg	0.0010	--	1
4-Methyl-2-pentanone	ND		mg/kg	0.010	--	1
Tetrachloroethene	ND		mg/kg	0.00052	--	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0010	--	1
1,3-Dichloropropene, Total	ND		mg/kg	0.00052	--	1
1,1,2-Trichloroethane	ND		mg/kg	0.0010	--	1
Dibromochloromethane	ND		mg/kg	0.0010	--	1
1,2-Dibromoethane	ND		mg/kg	0.00052	--	1
2-Hexanone	ND		mg/kg	0.010	--	1
Chlorobenzene	ND		mg/kg	0.00052	--	1
Ethylbenzene	ND		mg/kg	0.0010	--	1
p/m-Xylene	ND		mg/kg	0.0021	--	1
o-Xylene	ND		mg/kg	0.0010	--	1
Xylenes, Total	ND		mg/kg	0.0010	--	1
Styrene	ND		mg/kg	0.0010	--	1
Bromoform	ND		mg/kg	0.0042	--	1
Isopropylbenzene	ND		mg/kg	0.0010	--	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00052	--	1
1,3,5-Trimethylbenzene	ND		mg/kg	0.0021	--	1
1,2,4-Trimethylbenzene	ND		mg/kg	0.0021	--	1
1,3-Dichlorobenzene	ND		mg/kg	0.0021	--	1
1,4-Dichlorobenzene	ND		mg/kg	0.0021	--	1
1,2-Dichlorobenzene	ND		mg/kg	0.0021	--	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0031	--	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0021	--	1
Naphthalene	ND		mg/kg	0.0042	--	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0021	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	117		70-130
Dibromofluoromethane	98		70-130

Project Name: KITTLE WILSON RD
Project Number: 091564.00.002
Lab Number: L2304232
Report Date: 02/08/23

SAMPLE RESULTS

Lab ID: L2304232-05
Client ID: SB5
Sample Location: COLUMBUS, OH
Date Collected: 01/24/23 15:35
Date Received: 01/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 02/03/23 03:32
Analyst: JIC
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.011	--	1
Chloromethane	ND		mg/kg	0.0043	--	1
Vinyl chloride	ND		mg/kg	0.0011	--	1
Bromomethane	ND		mg/kg	0.0021	--	1
Chloroethane	ND		mg/kg	0.0021	--	1
Trichlorofluoromethane	ND		mg/kg	0.0043	--	1
1,1-Dichloroethene	ND		mg/kg	0.0011	--	1
Carbon disulfide	ND		mg/kg	0.011	--	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0043	--	1
Methylene chloride	ND		mg/kg	0.0053	--	1
Acetone	ND		mg/kg	0.027	--	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0016	--	1
Methyl Acetate	ND		mg/kg	0.0043	--	1
Methyl tert butyl ether	ND		mg/kg	0.0021	--	1
1,1-Dichloroethane	ND		mg/kg	0.0011	--	1
cis-1,2-Dichloroethene	ND		mg/kg	0.0011	--	1
1,2-Dichloroethene, Total	ND		mg/kg	0.0011	--	1
Cyclohexane	ND		mg/kg	0.011	--	1
Bromochloromethane	ND		mg/kg	0.0021	--	1
Chloroform	ND		mg/kg	0.0016	--	1
Carbon tetrachloride	ND		mg/kg	0.0011	--	1
1,1,1-Trichloroethane	ND		mg/kg	0.00053	--	1
2-Butanone	ND		mg/kg	0.011	--	1
Benzene	ND		mg/kg	0.00053	--	1
1,2-Dichloroethane	ND		mg/kg	0.0011	--	1
Methyl cyclohexane	ND		mg/kg	0.0043	--	1
Trichloroethene	ND		mg/kg	0.00053	--	1
1,2-Dichloropropane	ND		mg/kg	0.0011	--	1

Project Name: KITTLE WILSON RD **Lab Number:** L2304232

Project Number: 091564.00.002 **Report Date:** 02/08/23

SAMPLE RESULTS

Lab ID: L2304232-05 Date Collected: 01/24/23 15:35

Client ID: SB5 Date Received: 01/25/23

Sample Location: COLUMBUS, OH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Bromodichloromethane	ND		mg/kg	0.00053	--	1
1,4-Dioxane	ND		mg/kg	0.086	--	1
cis-1,3-Dichloropropene	ND		mg/kg	0.00053	--	1
Toluene	ND		mg/kg	0.0011	--	1
4-Methyl-2-pentanone	ND		mg/kg	0.011	--	1
Tetrachloroethene	ND		mg/kg	0.00053	--	1
trans-1,3-Dichloropropene	ND		mg/kg	0.0011	--	1
1,3-Dichloropropene, Total	ND		mg/kg	0.00053	--	1
1,1,2-Trichloroethane	ND		mg/kg	0.0011	--	1
Dibromochloromethane	ND		mg/kg	0.0011	--	1
1,2-Dibromoethane	ND		mg/kg	0.00053	--	1
2-Hexanone	ND		mg/kg	0.011	--	1
Chlorobenzene	ND		mg/kg	0.00053	--	1
Ethylbenzene	ND		mg/kg	0.0011	--	1
p/m-Xylene	ND		mg/kg	0.0021	--	1
o-Xylene	ND		mg/kg	0.0011	--	1
Xylenes, Total	ND		mg/kg	0.0011	--	1
Styrene	ND		mg/kg	0.0011	--	1
Bromoform	ND		mg/kg	0.0043	--	1
Isopropylbenzene	ND		mg/kg	0.0011	--	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00053	--	1
1,3,5-Trimethylbenzene	ND		mg/kg	0.0021	--	1
1,2,4-Trimethylbenzene	ND		mg/kg	0.0021	--	1
1,3-Dichlorobenzene	ND		mg/kg	0.0021	--	1
1,4-Dichlorobenzene	ND		mg/kg	0.0021	--	1
1,2-Dichlorobenzene	ND		mg/kg	0.0021	--	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0032	--	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0021	--	1
Naphthalene	ND		mg/kg	0.0043	--	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0021	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	98		70-130

Project Name: KITTLE WILSON RD
Project Number: 091564.00.002
Lab Number: L2304232
Report Date: 02/08/23

SAMPLE RESULTS

Lab ID: L2304232-06
Client ID: SB6
Sample Location: COLUMBUS, OH
Date Collected: 01/24/23 15:50
Date Received: 01/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 02/03/23 03:11
Analyst: JIC
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.0092	--	1
Chloromethane	ND		mg/kg	0.0037	--	1
Vinyl chloride	ND		mg/kg	0.00092	--	1
Bromomethane	ND		mg/kg	0.0018	--	1
Chloroethane	ND		mg/kg	0.0018	--	1
Trichlorofluoromethane	ND		mg/kg	0.0037	--	1
1,1-Dichloroethene	ND		mg/kg	0.00092	--	1
Carbon disulfide	ND		mg/kg	0.0092	--	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0037	--	1
Methylene chloride	ND		mg/kg	0.0046	--	1
Acetone	ND		mg/kg	0.023	--	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0014	--	1
Methyl Acetate	ND		mg/kg	0.0037	--	1
Methyl tert butyl ether	ND		mg/kg	0.0018	--	1
1,1-Dichloroethane	ND		mg/kg	0.00092	--	1
cis-1,2-Dichloroethene	ND		mg/kg	0.00092	--	1
1,2-Dichloroethene, Total	ND		mg/kg	0.00092	--	1
Cyclohexane	ND		mg/kg	0.0092	--	1
Bromochloromethane	ND		mg/kg	0.0018	--	1
Chloroform	ND		mg/kg	0.0014	--	1
Carbon tetrachloride	ND		mg/kg	0.00092	--	1
1,1,1-Trichloroethane	ND		mg/kg	0.00046	--	1
2-Butanone	ND		mg/kg	0.0092	--	1
Benzene	ND		mg/kg	0.00046	--	1
1,2-Dichloroethane	ND		mg/kg	0.00092	--	1
Methyl cyclohexane	ND		mg/kg	0.0037	--	1
Trichloroethene	ND		mg/kg	0.00046	--	1
1,2-Dichloropropane	ND		mg/kg	0.00092	--	1

Project Name: KITTLE WILSON RD **Lab Number:** L2304232

Project Number: 091564.00.002 **Report Date:** 02/08/23

SAMPLE RESULTS

Lab ID: L2304232-06 Date Collected: 01/24/23 15:50

Client ID: SB6 Date Received: 01/25/23

Sample Location: COLUMBUS, OH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Bromodichloromethane	ND		mg/kg	0.00046	--	1
1,4-Dioxane	ND		mg/kg	0.074	--	1
cis-1,3-Dichloropropene	ND		mg/kg	0.00046	--	1
Toluene	ND		mg/kg	0.00092	--	1
4-Methyl-2-pentanone	ND		mg/kg	0.0092	--	1
Tetrachloroethene	ND		mg/kg	0.00046	--	1
trans-1,3-Dichloropropene	ND		mg/kg	0.00092	--	1
1,3-Dichloropropene, Total	ND		mg/kg	0.00046	--	1
1,1,2-Trichloroethane	ND		mg/kg	0.00092	--	1
Dibromochloromethane	ND		mg/kg	0.00092	--	1
1,2-Dibromoethane	ND		mg/kg	0.00046	--	1
2-Hexanone	ND		mg/kg	0.0092	--	1
Chlorobenzene	ND		mg/kg	0.00046	--	1
Ethylbenzene	ND		mg/kg	0.00092	--	1
p/m-Xylene	ND		mg/kg	0.0018	--	1
o-Xylene	ND		mg/kg	0.00092	--	1
Xylenes, Total	ND		mg/kg	0.00092	--	1
Styrene	ND		mg/kg	0.00092	--	1
Bromoform	ND		mg/kg	0.0037	--	1
Isopropylbenzene	ND		mg/kg	0.00092	--	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00046	--	1
1,3,5-Trimethylbenzene	ND		mg/kg	0.0018	--	1
1,2,4-Trimethylbenzene	ND		mg/kg	0.0018	--	1
1,3-Dichlorobenzene	ND		mg/kg	0.0018	--	1
1,4-Dichlorobenzene	ND		mg/kg	0.0018	--	1
1,2-Dichlorobenzene	ND		mg/kg	0.0018	--	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0028	--	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0018	--	1
Naphthalene	ND		mg/kg	0.0037	--	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0018	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	96		70-130

Project Name: KITTLE WILSON RD
Project Number: 091564.00.002
Lab Number: L2304232
Report Date: 02/08/23

SAMPLE RESULTS

Lab ID: L2304232-07
Client ID: SB7
Sample Location: COLUMBUS, OH
Date Collected: 01/24/23 15:57
Date Received: 01/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 02/03/23 02:51
Analyst: JIC
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Dichlorodifluoromethane	ND		mg/kg	0.0089	--	1
Chloromethane	ND		mg/kg	0.0036	--	1
Vinyl chloride	ND		mg/kg	0.00089	--	1
Bromomethane	ND		mg/kg	0.0018	--	1
Chloroethane	ND		mg/kg	0.0018	--	1
Trichlorofluoromethane	ND		mg/kg	0.0036	--	1
1,1-Dichloroethene	ND		mg/kg	0.00089	--	1
Carbon disulfide	ND		mg/kg	0.0089	--	1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0036	--	1
Methylene chloride	ND		mg/kg	0.0044	--	1
Acetone	ND		mg/kg	0.022	--	1
trans-1,2-Dichloroethene	ND		mg/kg	0.0013	--	1
Methyl Acetate	ND		mg/kg	0.0036	--	1
Methyl tert butyl ether	ND		mg/kg	0.0018	--	1
1,1-Dichloroethane	ND		mg/kg	0.00089	--	1
cis-1,2-Dichloroethene	ND		mg/kg	0.00089	--	1
1,2-Dichloroethene, Total	ND		mg/kg	0.00089	--	1
Cyclohexane	ND		mg/kg	0.0089	--	1
Bromochloromethane	ND		mg/kg	0.0018	--	1
Chloroform	ND		mg/kg	0.0013	--	1
Carbon tetrachloride	ND		mg/kg	0.00089	--	1
1,1,1-Trichloroethane	ND		mg/kg	0.00044	--	1
2-Butanone	ND		mg/kg	0.0089	--	1
Benzene	ND		mg/kg	0.00044	--	1
1,2-Dichloroethane	ND		mg/kg	0.00089	--	1
Methyl cyclohexane	ND		mg/kg	0.0036	--	1
Trichloroethene	ND		mg/kg	0.00044	--	1
1,2-Dichloropropane	ND		mg/kg	0.00089	--	1

Project Name: KITTLE WILSON RD **Lab Number:** L2304232

Project Number: 091564.00.002 **Report Date:** 02/08/23

SAMPLE RESULTS

Lab ID: L2304232-07 Date Collected: 01/24/23 15:57

Client ID: SB7 Date Received: 01/25/23

Sample Location: COLUMBUS, OH Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Bromodichloromethane	ND		mg/kg	0.00044	--	1
1,4-Dioxane	ND		mg/kg	0.071	--	1
cis-1,3-Dichloropropene	ND		mg/kg	0.00044	--	1
Toluene	ND		mg/kg	0.00089	--	1
4-Methyl-2-pentanone	ND		mg/kg	0.0089	--	1
Tetrachloroethene	ND		mg/kg	0.00044	--	1
trans-1,3-Dichloropropene	ND		mg/kg	0.00089	--	1
1,3-Dichloropropene, Total	ND		mg/kg	0.00044	--	1
1,1,2-Trichloroethane	ND		mg/kg	0.00089	--	1
Dibromochloromethane	ND		mg/kg	0.00089	--	1
1,2-Dibromoethane	ND		mg/kg	0.00044	--	1
2-Hexanone	ND		mg/kg	0.0089	--	1
Chlorobenzene	ND		mg/kg	0.00044	--	1
Ethylbenzene	ND		mg/kg	0.00089	--	1
p/m-Xylene	ND		mg/kg	0.0018	--	1
o-Xylene	ND		mg/kg	0.00089	--	1
Xylenes, Total	ND		mg/kg	0.00089	--	1
Styrene	ND		mg/kg	0.00089	--	1
Bromoform	ND		mg/kg	0.0036	--	1
Isopropylbenzene	ND		mg/kg	0.00089	--	1
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00044	--	1
1,3,5-Trimethylbenzene	ND		mg/kg	0.0018	--	1
1,2,4-Trimethylbenzene	ND		mg/kg	0.0018	--	1
1,3-Dichlorobenzene	ND		mg/kg	0.0018	--	1
1,4-Dichlorobenzene	ND		mg/kg	0.0018	--	1
1,2-Dichlorobenzene	ND		mg/kg	0.0018	--	1
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0027	--	1
1,2,4-Trichlorobenzene	ND		mg/kg	0.0018	--	1
Naphthalene	ND		mg/kg	0.0036	--	1
1,2,3-Trichlorobenzene	ND		mg/kg	0.0018	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	99		70-130

Project Name: KITTLE WILSON RD
Project Number: 091564.00.002
Lab Number: L2304232
Report Date: 02/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 02/02/23 20:37
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-07 Batch: WG1740594-5					
Dichlorodifluoromethane	ND		mg/kg	0.010	--
Chloromethane	ND		mg/kg	0.0040	--
Vinyl chloride	ND		mg/kg	0.0010	--
Bromomethane	ND		mg/kg	0.0020	--
Chloroethane	ND		mg/kg	0.0020	--
Trichlorofluoromethane	ND		mg/kg	0.0040	--
1,1-Dichloroethene	ND		mg/kg	0.0010	--
Carbon disulfide	ND		mg/kg	0.010	--
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.0040	--
Methylene chloride	ND		mg/kg	0.0050	--
Acetone	ND		mg/kg	0.025	--
trans-1,2-Dichloroethene	ND		mg/kg	0.0015	--
Methyl Acetate	ND		mg/kg	0.0040	--
Methyl tert butyl ether	ND		mg/kg	0.0020	--
1,1-Dichloroethane	ND		mg/kg	0.0010	--
cis-1,2-Dichloroethene	ND		mg/kg	0.0010	--
1,2-Dichloroethene, Total	ND		mg/kg	0.0010	--
Cyclohexane	ND		mg/kg	0.010	--
Bromochloromethane	ND		mg/kg	0.0020	--
Chloroform	ND		mg/kg	0.0015	--
Carbon tetrachloride	ND		mg/kg	0.0010	--
1,1,1-Trichloroethane	ND		mg/kg	0.00050	--
2-Butanone	ND		mg/kg	0.010	--
Benzene	ND		mg/kg	0.00050	--
1,2-Dichloroethane	ND		mg/kg	0.0010	--
Methyl cyclohexane	ND		mg/kg	0.0040	--
Trichloroethene	ND		mg/kg	0.00050	--
1,2-Dichloropropane	ND		mg/kg	0.0010	--
Bromodichloromethane	ND		mg/kg	0.00050	--

Project Name: KITTLE WILSON RD
Project Number: 091564.00.002
Lab Number: L2304232
Report Date: 02/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 02/02/23 20:37
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-07 Batch: WG1740594-5					
1,4-Dioxane	ND		mg/kg	0.080	--
cis-1,3-Dichloropropene	ND		mg/kg	0.00050	--
Toluene	ND		mg/kg	0.0010	--
4-Methyl-2-pentanone	ND		mg/kg	0.010	--
Tetrachloroethene	ND		mg/kg	0.00050	--
trans-1,3-Dichloropropene	ND		mg/kg	0.0010	--
1,3-Dichloropropene, Total	ND		mg/kg	0.00050	--
1,1,2-Trichloroethane	ND		mg/kg	0.0010	--
Dibromochloromethane	ND		mg/kg	0.0010	--
1,2-Dibromoethane	ND		mg/kg	0.00050	--
2-Hexanone	ND		mg/kg	0.010	--
Chlorobenzene	ND		mg/kg	0.00050	--
Ethylbenzene	ND		mg/kg	0.0010	--
p/m-Xylene	ND		mg/kg	0.0020	--
o-Xylene	ND		mg/kg	0.0010	--
Xylenes, Total	ND		mg/kg	0.0010	--
Styrene	ND		mg/kg	0.0010	--
Bromoform	ND		mg/kg	0.0040	--
Isopropylbenzene	ND		mg/kg	0.0010	--
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.00050	--
1,3,5-Trimethylbenzene	ND		mg/kg	0.0020	--
1,2,4-Trimethylbenzene	ND		mg/kg	0.0020	--
1,3-Dichlorobenzene	ND		mg/kg	0.0020	--
1,4-Dichlorobenzene	ND		mg/kg	0.0020	--
1,2-Dichlorobenzene	ND		mg/kg	0.0020	--
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.0030	--
1,2,4-Trichlorobenzene	ND		mg/kg	0.0020	--
Naphthalene	ND		mg/kg	0.0040	--
1,2,3-Trichlorobenzene	ND		mg/kg	0.0020	--

Project Name: KITTLE WILSON RD
Project Number: 091564.00.002
Lab Number: L2304232
Report Date: 02/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 02/02/23 20:37
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-07 Batch: WG1740594-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	96		70-130

Project Name: KITTLE WILSON RD
Project Number: 091564.00.002
Lab Number: L2304232
Report Date: 02/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 02/02/23 20:37
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1740595-5					
Dichlorodifluoromethane	ND		mg/kg	0.50	--
Chloromethane	ND		mg/kg	0.20	--
Vinyl chloride	ND		mg/kg	0.050	--
Bromomethane	ND		mg/kg	0.10	--
Chloroethane	ND		mg/kg	0.10	--
Trichlorofluoromethane	ND		mg/kg	0.20	--
1,1-Dichloroethene	ND		mg/kg	0.050	--
Carbon disulfide	ND		mg/kg	0.50	--
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/kg	0.20	--
Methylene chloride	ND		mg/kg	0.25	--
Acetone	ND		mg/kg	0.50	--
trans-1,2-Dichloroethene	ND		mg/kg	0.075	--
Methyl Acetate	ND		mg/kg	0.20	--
Methyl tert butyl ether	ND		mg/kg	0.10	--
1,1-Dichloroethane	ND		mg/kg	0.050	--
cis-1,2-Dichloroethene	ND		mg/kg	0.050	--
1,2-Dichloroethene, Total	ND		mg/kg	0.050	--
Cyclohexane	ND		mg/kg	0.50	--
Bromochloromethane	ND		mg/kg	0.10	--
Chloroform	ND		mg/kg	0.075	--
Carbon tetrachloride	ND		mg/kg	0.050	--
1,1,1-Trichloroethane	ND		mg/kg	0.025	--
2-Butanone	ND		mg/kg	0.50	--
Benzene	ND		mg/kg	0.025	--
1,2-Dichloroethane	ND		mg/kg	0.050	--
Methyl cyclohexane	ND		mg/kg	0.20	--
Trichloroethene	ND		mg/kg	0.025	--
1,2-Dichloropropane	ND		mg/kg	0.050	--
Bromodichloromethane	ND		mg/kg	0.025	--

Project Name: KITTLE WILSON RD
Project Number: 091564.00.002
Lab Number: L2304232
Report Date: 02/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 02/02/23 20:37
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1740595-5					
1,4-Dioxane	ND		mg/kg	4.0	--
cis-1,3-Dichloropropene	ND		mg/kg	0.025	--
Toluene	ND		mg/kg	0.050	--
4-Methyl-2-pentanone	ND		mg/kg	0.50	--
Tetrachloroethene	ND		mg/kg	0.025	--
trans-1,3-Dichloropropene	ND		mg/kg	0.050	--
1,3-Dichloropropene, Total	ND		mg/kg	0.025	--
1,1,2-Trichloroethane	ND		mg/kg	0.050	--
Dibromochloromethane	ND		mg/kg	0.050	--
1,2-Dibromoethane	ND		mg/kg	0.025	--
2-Hexanone	ND		mg/kg	0.50	--
Chlorobenzene	ND		mg/kg	0.025	--
Ethylbenzene	ND		mg/kg	0.050	--
p/m-Xylene	ND		mg/kg	0.10	--
o-Xylene	ND		mg/kg	0.050	--
Xylenes, Total	ND		mg/kg	0.050	--
Styrene	ND		mg/kg	0.050	--
Bromoform	ND		mg/kg	0.20	--
Isopropylbenzene	ND		mg/kg	0.050	--
1,1,2,2-Tetrachloroethane	ND		mg/kg	0.025	--
1,3,5-Trimethylbenzene	ND		mg/kg	0.10	--
1,2,4-Trimethylbenzene	ND		mg/kg	0.10	--
1,3-Dichlorobenzene	ND		mg/kg	0.10	--
1,4-Dichlorobenzene	ND		mg/kg	0.10	--
1,2-Dichlorobenzene	ND		mg/kg	0.10	--
1,2-Dibromo-3-chloropropane	ND		mg/kg	0.15	--
1,2,4-Trichlorobenzene	ND		mg/kg	0.10	--
Naphthalene	ND		mg/kg	0.20	--
1,2,3-Trichlorobenzene	ND		mg/kg	0.10	--

Project Name: KITTLE WILSON RD
Project Number: 091564.00.002
Lab Number: L2304232
Report Date: 02/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 02/02/23 20:37
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1740595-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	96		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: KITTLE WILSON RD
Project Number: 091564.00.002

Lab Number: L2304232
Report Date: 02/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-07 Batch: WG1740594-3 WG1740594-4								
Dichlorodifluoromethane	108		112		30-146	4		30
Chloromethane	112		113		52-130	1		30
Vinyl chloride	96		98		67-130	2		30
Bromomethane	94		97		57-147	3		30
Chloroethane	100		103		50-151	3		30
Trichlorofluoromethane	98		99		70-139	1		30
1,1-Dichloroethene	96		97		65-135	1		30
Carbon disulfide	**155**	Q	**162**	Q	59-130	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	99		100		50-139	1		30
Methylene chloride	92		94		70-130	2		30
Acetone	134		**142**	Q	54-140	6		30
trans-1,2-Dichloroethene	89		91		70-130	2		30
Methyl Acetate	101		102		51-146	1		30
Methyl tert butyl ether	100		99		66-130	1		30
1,1-Dichloroethane	94		99		70-130	5		30
cis-1,2-Dichloroethene	92		95		70-130	3		30
Cyclohexane	96		100		59-142	4		30
Bromochloromethane	94		96		70-130	2		30
Chloroform	95		98		70-130	3		30
Carbon tetrachloride	85		91		70-130	7		30
1,1,1-Trichloroethane	90		94		70-130	4		30
2-Butanone	119		116		70-130	3		30
Benzene	96		98		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: KITTLE WILSON RD
Project Number: 091564.00.002

Lab Number: L2304232
Report Date: 02/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-07 Batch: WG1740594-3 WG1740594-4								
1,2-Dichloroethane	99		100		70-130	1		30
Methyl cyclohexane	95		100		70-130	5		30
Trichloroethene	94		95		70-130	1		30
1,2-Dichloropropane	97		100		70-130	3		30
Bromodichloromethane	95		97		70-130	2		30
1,4-Dioxane	102		103		65-136	1		30
cis-1,3-Dichloropropene	94		96		70-130	2		30
Toluene	98		100		70-130	2		30
4-Methyl-2-pentanone	97		96		70-130	1		30
Tetrachloroethene	92		95		70-130	3		30
trans-1,3-Dichloropropene	97		99		70-130	2		30
1,1,2-Trichloroethane	103		104		70-130	1		30
Dibromochloromethane	92		95		70-130	3		30
1,2-Dibromoethane	98		99		70-130	1		30
2-Hexanone	109		107		70-130	2		30
Chlorobenzene	100		102		70-130	2		30
Ethylbenzene	100		101		70-130	1		30
p/m-Xylene	99		101		70-130	2		30
o-Xylene	103		105		70-130	2		30
Styrene	106		109		70-130	3		30
Bromoform	89		93		70-130	4		30
Isopropylbenzene	104		109		70-130	5		30
1,1,2,2-Tetrachloroethane	104		109		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: KITTLE WILSON RD

Project Number: 091564.00.002

Lab Number: L2304232

Report Date: 02/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-07 Batch: WG1740594-3 WG1740594-4								
1,3,5-Trimethylbenzene	105		110		70-130	5		30
1,2,4-Trimethylbenzene	105		111		70-130	6		30
1,3-Dichlorobenzene	105		109		70-130	4		30
1,4-Dichlorobenzene	104		108		70-130	4		30
1,2-Dichlorobenzene	104		109		70-130	5		30
1,2-Dibromo-3-chloropropane	88		90		68-130	2		30
1,2,4-Trichlorobenzene	100		103		70-130	3		30
Naphthalene	100		102		70-130	2		30
1,2,3-Trichlorobenzene	98		102		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		105		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	104		104		70-130
Dibromofluoromethane	98		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: KITTLE WILSON RD
Project Number: 091564.00.002

Lab Number: L2304232
Report Date: 02/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1740595-3 WG1740595-4								
Dichlorodifluoromethane	108		112		30-146	4		30
Chloromethane	112		113		52-130	1		30
Vinyl chloride	96		98		67-130	2		30
Bromomethane	94		97		57-147	3		30
Chloroethane	100		103		50-151	3		30
Trichlorofluoromethane	98		99		70-139	1		30
1,1-Dichloroethene	96		97		65-135	1		30
Carbon disulfide	**155**	Q	**162**	Q	59-130	4		30
1,1,2-Trichloro-1,2,2-Trifluoroethane	99		100		50-139	1		30
Methylene chloride	92		94		70-130	2		30
Acetone	134		**142**	Q	54-140	6		30
trans-1,2-Dichloroethene	89		91		70-130	2		30
Methyl Acetate	101		102		51-146	1		30
Methyl tert butyl ether	100		99		66-130	1		30
1,1-Dichloroethane	94		99		70-130	5		30
cis-1,2-Dichloroethene	92		95		70-130	3		30
Cyclohexane	96		100		59-142	4		30
Bromochloromethane	94		96		70-130	2		30
Chloroform	95		98		70-130	3		30
Carbon tetrachloride	85		91		70-130	7		30
1,1,1-Trichloroethane	90		94		70-130	4		30
2-Butanone	119		116		70-130	3		30
Benzene	96		98		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: KITTLE WILSON RD
Project Number: 091564.00.002

Lab Number: L2304232
Report Date: 02/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1740595-3 WG1740595-4								
1,2-Dichloroethane	99		100		70-130	1		30
Methyl cyclohexane	95		100		70-130	5		30
Trichloroethene	94		95		70-130	1		30
1,2-Dichloropropane	97		100		70-130	3		30
Bromodichloromethane	95		97		70-130	2		30
1,4-Dioxane	102		103		65-136	1		30
cis-1,3-Dichloropropene	94		96		70-130	2		30
Toluene	98		100		70-130	2		30
4-Methyl-2-pentanone	97		96		70-130	1		30
Tetrachloroethene	92		95		70-130	3		30
trans-1,3-Dichloropropene	97		99		70-130	2		30
1,1,2-Trichloroethane	103		104		70-130	1		30
Dibromochloromethane	92		95		70-130	3		30
1,2-Dibromoethane	98		99		70-130	1		30
2-Hexanone	109		107		70-130	2		30
Chlorobenzene	100		102		70-130	2		30
Ethylbenzene	100		101		70-130	1		30
p/m-Xylene	99		101		70-130	2		30
o-Xylene	103		105		70-130	2		30
Styrene	106		109		70-130	3		30
Bromoform	89		93		70-130	4		30
Isopropylbenzene	104		109		70-130	5		30
1,1,2,2-Tetrachloroethane	104		109		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: KITTLE WILSON RD
Project Number: 091564.00.002

Lab Number: L2304232
Report Date: 02/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1740595-3 WG1740595-4								
1,3,5-Trimethylbenzene	105		110		70-130	5		30
1,2,4-Trimethylbenzene	105		111		70-130	6		30
1,3-Dichlorobenzene	105		109		70-130	4		30
1,4-Dichlorobenzene	104		108		70-130	4		30
1,2-Dichlorobenzene	104		109		70-130	5		30
1,2-Dibromo-3-chloropropane	88		90		68-130	2		30
1,2,4-Trichlorobenzene	100		103		70-130	3		30
Naphthalene	100		102		70-130	2		30
1,2,3-Trichlorobenzene	98		102		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		105		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	104		104		70-130
Dibromofluoromethane	98		98		70-130

SEMIVOLATILES

Project Name: KITTLE WILSON RD
Project Number: 091564.00.002
Lab Number: L2304232
Report Date: 02/08/23

SAMPLE RESULTS

Lab ID: L2304232-01 D
Client ID: SB1
Sample Location: COLUMBUS, OH

Date Collected: 01/24/23 14:56
Date Received: 01/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 02/06/23 01:15
Analyst: MG
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 02/03/23 15:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Naphthalene	ND		mg/kg	0.74	--	20
2-Methylnaphthalene	ND		mg/kg	4.5	--	20
2-Chloronaphthalene	ND		mg/kg	3.7	--	20
Acenaphthylene	ND		mg/kg	3.0	--	20
Acenaphthene	ND		mg/kg	3.0	--	20
Fluorene	ND		mg/kg	3.7	--	20
Phenanthrene	ND		mg/kg	2.2	--	20
Anthracene	ND		mg/kg	2.2	--	20
Fluoranthene	ND		mg/kg	2.2	--	20
Pyrene	ND		mg/kg	2.2	--	20
Benzo(a)anthracene	ND		mg/kg	2.2	--	20
Chrysene	ND		mg/kg	2.2	--	20
Benzo(b)fluoranthene	ND		mg/kg	2.2	--	20
Benzo(k)fluoranthene	ND		mg/kg	2.2	--	20
Benzo(a)pyrene	ND		mg/kg	3.0	--	20
Indeno(1,2,3-cd)pyrene	ND		mg/kg	3.0	--	20
Dibenzo(a,h)anthracene	ND		mg/kg	2.2	--	20
Benzo(ghi)perylene	ND		mg/kg	3.0	--	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	**0**	Q	23-120
2-Fluorobiphenyl	**0**	Q	30-120
4-Terphenyl-d14	**0**	Q	18-120

Project Name: KITTLE WILSON RD
Project Number: 091564.00.002
Lab Number: L2304232
Report Date: 02/08/23

SAMPLE RESULTS

Lab ID: L2304232-02
Client ID: SB2
Sample Location: COLUMBUS, OH

Date Collected: 01/24/23 15:03
Date Received: 01/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 02/06/23 00:51
Analyst: MG
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 02/03/23 15:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Naphthalene	ND		mg/kg	0.038	--	1
2-Methylnaphthalene	ND		mg/kg	0.23	--	1
2-Chloronaphthalene	ND		mg/kg	0.19	--	1
Acenaphthylene	ND		mg/kg	0.15	--	1
Acenaphthene	ND		mg/kg	0.15	--	1
Fluorene	ND		mg/kg	0.19	--	1
Phenanthrene	ND		mg/kg	0.12	--	1
Anthracene	ND		mg/kg	0.12	--	1
Fluoranthene	ND		mg/kg	0.12	--	1
Pyrene	ND		mg/kg	0.12	--	1
Benzo(a)anthracene	ND		mg/kg	0.12	--	1
Chrysene	ND		mg/kg	0.12	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.12	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.12	--	1
Benzo(a)pyrene	ND		mg/kg	0.15	--	1
Indeno(1,2,3-cd)pyrene	ND		mg/kg	0.15	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.12	--	1
Benzo(ghi)perylene	ND		mg/kg	0.15	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	46		23-120
2-Fluorobiphenyl	74		30-120
4-Terphenyl-d14	66		18-120

Project Name: KITTLE WILSON RD
Lab Number: L2304232
Project Number: 091564.00.002
Report Date: 02/08/23

SAMPLE RESULTS

Lab ID: L2304232-03
Client ID: SB3
Sample Location: COLUMBUS, OH

Date Collected: 01/24/23 15:14
Date Received: 01/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 02/07/23 10:42
Analyst: IM
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 02/03/23 15:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Naphthalene	ND		mg/kg	0.038	--	1
2-Methylnaphthalene	ND		mg/kg	0.22	--	1
2-Chloronaphthalene	ND		mg/kg	0.19	--	1
Acenaphthylene	ND		mg/kg	0.15	--	1
Acenaphthene	ND		mg/kg	0.15	--	1
Fluorene	ND		mg/kg	0.19	--	1
Phenanthrene	ND		mg/kg	0.11	--	1
Anthracene	ND		mg/kg	0.11	--	1
Fluoranthene	ND		mg/kg	0.11	--	1
Pyrene	ND		mg/kg	0.11	--	1
Benzo(a)anthracene	ND		mg/kg	0.11	--	1
Chrysene	ND		mg/kg	0.11	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.11	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.11	--	1
Benzo(a)pyrene	ND		mg/kg	0.15	--	1
Indeno(1,2,3-cd)pyrene	ND		mg/kg	0.15	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.11	--	1
Benzo(ghi)perylene	ND		mg/kg	0.15	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	69		30-120
4-Terphenyl-d14	79		18-120

Project Name: KITTLE WILSON RD
Project Number: 091564.00.002
Lab Number: L2304232
Report Date: 02/08/23

SAMPLE RESULTS

Lab ID: L2304232-04
Client ID: SB4
Sample Location: COLUMBUS, OH

Date Collected: 01/24/23 15:29
Date Received: 01/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 02/07/23 06:42
Analyst: IM
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 02/03/23 15:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Naphthalene	ND		mg/kg	0.038	--	1
2-Methylnaphthalene	ND		mg/kg	0.23	--	1
2-Chloronaphthalene	ND		mg/kg	0.19	--	1
Acenaphthylene	ND		mg/kg	0.15	--	1
Acenaphthene	ND		mg/kg	0.15	--	1
Fluorene	ND		mg/kg	0.19	--	1
Phenanthrene	ND		mg/kg	0.11	--	1
Anthracene	ND		mg/kg	0.11	--	1
Fluoranthene	ND		mg/kg	0.11	--	1
Pyrene	ND		mg/kg	0.11	--	1
Benzo(a)anthracene	ND		mg/kg	0.11	--	1
Chrysene	ND		mg/kg	0.11	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.11	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.11	--	1
Benzo(a)pyrene	ND		mg/kg	0.15	--	1
Indeno(1,2,3-cd)pyrene	ND		mg/kg	0.15	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.11	--	1
Benzo(ghi)perylene	ND		mg/kg	0.15	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	78		30-120
4-Terphenyl-d14	87		18-120

Project Name: KITTLE WILSON RD
Project Number: 091564.00.002
Lab Number: L2304232
Report Date: 02/08/23

SAMPLE RESULTS

Lab ID: L2304232-05
Client ID: SB5
Sample Location: COLUMBUS, OH

Date Collected: 01/24/23 15:35
Date Received: 01/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 02/07/23 08:43
Analyst: IM
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 02/03/23 15:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Naphthalene	ND		mg/kg	0.038	--	1
2-Methylnaphthalene	ND		mg/kg	0.23	--	1
2-Chloronaphthalene	ND		mg/kg	0.19	--	1
Acenaphthylene	ND		mg/kg	0.15	--	1
Acenaphthene	ND		mg/kg	0.15	--	1
Fluorene	ND		mg/kg	0.19	--	1
Phenanthrene	ND		mg/kg	0.12	--	1
Anthracene	ND		mg/kg	0.12	--	1
Fluoranthene	ND		mg/kg	0.12	--	1
Pyrene	ND		mg/kg	0.12	--	1
Benzo(a)anthracene	ND		mg/kg	0.12	--	1
Chrysene	ND		mg/kg	0.12	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.12	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.12	--	1
Benzo(a)pyrene	ND		mg/kg	0.15	--	1
Indeno(1,2,3-cd)pyrene	ND		mg/kg	0.15	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.12	--	1
Benzo(ghi)perylene	ND		mg/kg	0.15	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	76		30-120
4-Terphenyl-d14	90		18-120

Project Name: KITTLE WILSON RD
Project Number: 091564.00.002
Lab Number: L2304232
Report Date: 02/08/23

SAMPLE RESULTS

Lab ID: L2304232-06
Client ID: SB6
Sample Location: COLUMBUS, OH

Date Collected: 01/24/23 15:50
Date Received: 01/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 02/07/23 07:55
Analyst: IM
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 02/03/23 15:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Naphthalene	ND		mg/kg	0.039	--	1
2-Methylnaphthalene	ND		mg/kg	0.23	--	1
2-Chloronaphthalene	ND		mg/kg	0.19	--	1
Acenaphthylene	ND		mg/kg	0.16	--	1
Acenaphthene	ND		mg/kg	0.16	--	1
Fluorene	ND		mg/kg	0.19	--	1
Phenanthrene	ND		mg/kg	0.12	--	1
Anthracene	ND		mg/kg	0.12	--	1
Fluoranthene	ND		mg/kg	0.12	--	1
Pyrene	ND		mg/kg	0.12	--	1
Benzo(a)anthracene	ND		mg/kg	0.12	--	1
Chrysene	ND		mg/kg	0.12	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.12	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.12	--	1
Benzo(a)pyrene	ND		mg/kg	0.16	--	1
Indeno(1,2,3-cd)pyrene	ND		mg/kg	0.16	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.12	--	1
Benzo(ghi)perylene	ND		mg/kg	0.16	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	60		30-120
4-Terphenyl-d14	67		18-120

Project Name: KITTLE WILSON RD
Project Number: 091564.00.002
Lab Number: L2304232
Report Date: 02/08/23

SAMPLE RESULTS

Lab ID: L2304232-07
Client ID: SB7
Sample Location: COLUMBUS, OH

Date Collected: 01/24/23 15:57
Date Received: 01/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 02/07/23 07:31
Analyst: IM
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 02/03/23 15:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Naphthalene	ND		mg/kg	0.040	--	1
2-Methylnaphthalene	ND		mg/kg	0.24	--	1
2-Chloronaphthalene	ND		mg/kg	0.20	--	1
Acenaphthylene	ND		mg/kg	0.16	--	1
Acenaphthene	ND		mg/kg	0.16	--	1
Fluorene	ND		mg/kg	0.20	--	1
Phenanthrene	ND		mg/kg	0.12	--	1
Anthracene	ND		mg/kg	0.12	--	1
Fluoranthene	ND		mg/kg	0.12	--	1
Pyrene	ND		mg/kg	0.12	--	1
Benzo(a)anthracene	ND		mg/kg	0.12	--	1
Chrysene	ND		mg/kg	0.12	--	1
Benzo(b)fluoranthene	ND		mg/kg	0.12	--	1
Benzo(k)fluoranthene	ND		mg/kg	0.12	--	1
Benzo(a)pyrene	ND		mg/kg	0.16	--	1
Indeno(1,2,3-cd)pyrene	ND		mg/kg	0.16	--	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.12	--	1
Benzo(ghi)perylene	ND		mg/kg	0.16	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	77		30-120
4-Terphenyl-d14	83		18-120

Project Name: KITTLE WILSON RD
Project Number: 091564.00.002
Lab Number: L2304232
Report Date: 02/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 02/03/23 07:47
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 02/03/23 02:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1740405-1					
Naphthalene	ND		mg/kg	0.033	--
2-Methylnaphthalene	ND		mg/kg	0.20	--
2-Chloronaphthalene	ND		mg/kg	0.16	--
Acenaphthylene	ND		mg/kg	0.13	--
Acenaphthene	ND		mg/kg	0.13	--
Fluorene	ND		mg/kg	0.16	--
Phenanthrene	ND		mg/kg	0.098	--
Anthracene	ND		mg/kg	0.098	--
Fluoranthene	ND		mg/kg	0.098	--
Pyrene	ND		mg/kg	0.098	--
Benzo(a)anthracene	ND		mg/kg	0.098	--
Chrysene	ND		mg/kg	0.098	--
Benzo(b)fluoranthene	ND		mg/kg	0.098	--
Benzo(k)fluoranthene	ND		mg/kg	0.098	--
Benzo(a)pyrene	ND		mg/kg	0.13	--
Indeno(1,2,3-cd)pyrene	ND		mg/kg	0.13	--
Dibenzo(a,h)anthracene	ND		mg/kg	0.098	--
Benzo(ghi)perylene	ND		mg/kg	0.13	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	59		10-120
Nitrobenzene-d5	49		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	67		10-136
4-Terphenyl-d14	69		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: KITTLE WILSON RD

Project Number: 091564.00.002

Lab Number: L2304232

Report Date: 02/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1740405-2 WG1740405-3								
Naphthalene	69		76		40-140	10		50
2-Methylnaphthalene	70		78		40-140	11		50
2-Chloronaphthalene	70		77		40-140	10		50
Acenaphthylene	71		77		40-140	8		50
Acenaphthene	70		77		31-137	10		50
Fluorene	74		78		40-140	5		50
Phenanthrene	72		79		40-140	9		50
Anthracene	73		79		40-140	8		50
Fluoranthene	72		79		40-140	9		50
Pyrene	71		79		35-142	11		50
Benzo(a)anthracene	72		77		40-140	7		50
Chrysene	70		77		40-140	10		50
Benzo(b)fluoranthene	74		83		40-140	11		50
Benzo(k)fluoranthene	79		86		40-140	8		50
Benzo(a)pyrene	77		89		40-140	14		50
Indeno(1,2,3-cd)pyrene	79		89		40-140	12		50
Dibenzo(a,h)anthracene	71		78		40-140	9		50
Benzo(ghi)perylene	71		79		40-140	11		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: KITTLE WILSON RD

Project Number: 091564.00.002

Lab Number: L2304232

Report Date: 02/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1740405-2 WG1740405-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	71		77		25-120
Phenol-d6	71		75		10-120
Nitrobenzene-d5	61		66		23-120
2-Fluorobiphenyl	72		78		30-120
2,4,6-Tribromophenol	76		81		10-136
4-Terphenyl-d14	71		78		18-120

METALS

Project Name: KITTLE WILSON RD
Lab Number: L2304232
Project Number: 091564.00.002
Report Date: 02/08/23

SAMPLE RESULTS

Lab ID: L2304232-01
Client ID: SB1
Sample Location: COLUMBUS, OH
Date Collected: 01/24/23 14:56
Date Received: 01/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	ND		mg/kg	0.445	--	1	02/02/23 00:30	02/07/23 11:55	EPA 3050B	1,6010D	EGW
Barium, Total	158		mg/kg	0.445	--	1	02/02/23 00:30	02/07/23 11:55	EPA 3050B	1,6010D	EGW
Cadmium, Total	0.936		mg/kg	0.445	--	1	02/02/23 00:30	02/07/23 11:55	EPA 3050B	1,6010D	EGW
Chromium, Total	39.7		mg/kg	0.445	--	1	02/02/23 00:30	02/07/23 11:55	EPA 3050B	1,6010D	EGW
Lead, Total	ND		mg/kg	2.22	--	1	02/02/23 00:30	02/07/23 11:55	EPA 3050B	1,6010D	EGW
Mercury, Total	ND		mg/kg	0.078	--	1	02/02/23 01:55	02/08/23 10:09	EPA 7471B	1,7471B	DMB
Selenium, Total	ND		mg/kg	0.890	--	1	02/02/23 00:30	02/07/23 11:55	EPA 3050B	1,6010D	EGW
Silver, Total	1.27		mg/kg	0.426	--	2	02/07/23 14:44	02/07/23 18:18	EPA 3050B	1,6010D	GCL

Project Name: KITTLE WILSON RD
Lab Number: L2304232
Project Number: 091564.00.002
Report Date: 02/08/23

SAMPLE RESULTS

Lab ID: L2304232-02
Client ID: SB2
Sample Location: COLUMBUS, OH
Date Collected: 01/24/23 15:03
Date Received: 01/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	8.79		mg/kg	0.455	--	1	02/02/23 00:30	02/07/23 12:00	EPA 3050B	1,6010D	EGW
Barium, Total	52.8		mg/kg	0.455	--	1	02/02/23 00:30	02/07/23 12:00	EPA 3050B	1,6010D	EGW
Cadmium, Total	ND		mg/kg	0.455	--	1	02/02/23 00:30	02/07/23 12:00	EPA 3050B	1,6010D	EGW
Chromium, Total	8.53		mg/kg	0.455	--	1	02/02/23 00:30	02/07/23 12:00	EPA 3050B	1,6010D	EGW
Lead, Total	6.58		mg/kg	2.27	--	1	02/02/23 00:30	02/07/23 12:00	EPA 3050B	1,6010D	EGW
Mercury, Total	ND		mg/kg	0.075	--	1	02/02/23 01:55	02/08/23 10:12	EPA 7471B	1,7471B	DMB
Selenium, Total	ND		mg/kg	0.909	--	1	02/02/23 00:30	02/07/23 12:00	EPA 3050B	1,6010D	EGW
Silver, Total	0.459		mg/kg	0.440	--	2	02/07/23 14:44	02/07/23 18:21	EPA 3050B	1,6010D	GCL

Project Name: KITTLE WILSON RD
Lab Number: L2304232
Project Number: 091564.00.002
Report Date: 02/08/23

SAMPLE RESULTS

Lab ID: L2304232-03
Client ID: SB3
Sample Location: COLUMBUS, OH
Date Collected: 01/24/23 15:14
Date Received: 01/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	9.07		mg/kg	0.438	--	1	02/02/23 00:30	02/07/23 12:05	EPA 3050B	1,6010D	EGW
Barium, Total	112		mg/kg	0.438	--	1	02/02/23 00:30	02/07/23 12:05	EPA 3050B	1,6010D	EGW
Cadmium, Total	ND		mg/kg	0.438	--	1	02/02/23 00:30	02/07/23 12:05	EPA 3050B	1,6010D	EGW
Chromium, Total	8.42		mg/kg	0.438	--	1	02/02/23 00:30	02/07/23 12:05	EPA 3050B	1,6010D	EGW
Lead, Total	9.62		mg/kg	2.19	--	1	02/02/23 00:30	02/07/23 12:05	EPA 3050B	1,6010D	EGW
Mercury, Total	ND		mg/kg	0.088	--	1	02/02/23 01:55	02/08/23 10:22	EPA 7471B	1,7471B	DMB
Selenium, Total	ND		mg/kg	0.877	--	1	02/02/23 00:30	02/07/23 12:05	EPA 3050B	1,6010D	EGW
Silver, Total	0.503		mg/kg	0.437	--	2	02/07/23 14:44	02/07/23 18:25	EPA 3050B	1,6010D	GCL

Project Name: KITTLE WILSON RD
Lab Number: L2304232
Project Number: 091564.00.002
Report Date: 02/08/23

SAMPLE RESULTS

Lab ID: L2304232-04
Client ID: SB4
Sample Location: COLUMBUS, OH
Date Collected: 01/24/23 15:29
Date Received: 01/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	8.44		mg/kg	0.463	--	1	02/02/23 00:30	02/07/23 12:42	EPA 3050B	1,6010D	EGW
Barium, Total	140		mg/kg	0.463	--	1	02/02/23 00:30	02/07/23 12:42	EPA 3050B	1,6010D	EGW
Cadmium, Total	ND		mg/kg	0.463	--	1	02/02/23 00:30	02/07/23 12:42	EPA 3050B	1,6010D	EGW
Chromium, Total	8.79		mg/kg	0.463	--	1	02/02/23 00:30	02/07/23 12:42	EPA 3050B	1,6010D	EGW
Lead, Total	7.22		mg/kg	2.31	--	1	02/02/23 00:30	02/07/23 12:42	EPA 3050B	1,6010D	EGW
Mercury, Total	ND		mg/kg	0.083	--	1	02/02/23 01:55	02/08/23 10:25	EPA 7471B	1,7471B	DMB
Selenium, Total	ND		mg/kg	0.925	--	1	02/02/23 00:30	02/07/23 12:42	EPA 3050B	1,6010D	EGW
Silver, Total	0.629		mg/kg	0.444	--	2	02/07/23 14:44	02/07/23 18:35	EPA 3050B	1,6010D	GCL

Project Name: KITTLE WILSON RD
Lab Number: L2304232
Project Number: 091564.00.002
Report Date: 02/08/23

SAMPLE RESULTS

Lab ID: L2304232-05
Client ID: SB5
Sample Location: COLUMBUS, OH
Date Collected: 01/24/23 15:35
Date Received: 01/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	6.74		mg/kg	0.452	--	1	02/02/23 00:30	02/07/23 12:47	EPA 3050B	1,6010D	EGW
Barium, Total	42.2		mg/kg	0.452	--	1	02/02/23 00:30	02/07/23 12:47	EPA 3050B	1,6010D	EGW
Cadmium, Total	ND		mg/kg	0.452	--	1	02/02/23 00:30	02/07/23 12:47	EPA 3050B	1,6010D	EGW
Chromium, Total	5.24		mg/kg	0.452	--	1	02/02/23 00:30	02/07/23 12:47	EPA 3050B	1,6010D	EGW
Lead, Total	5.99		mg/kg	2.26	--	1	02/02/23 00:30	02/07/23 12:47	EPA 3050B	1,6010D	EGW
Mercury, Total	ND		mg/kg	0.088	--	1	02/02/23 01:55	02/08/23 10:28	EPA 7471B	1,7471B	DMB
Selenium, Total	ND		mg/kg	0.903	--	1	02/02/23 00:30	02/07/23 12:47	EPA 3050B	1,6010D	EGW
Silver, Total	0.501		mg/kg	0.438	--	2	02/07/23 14:44	02/07/23 18:39	EPA 3050B	1,6010D	GCL

Project Name: KITTLE WILSON RD
Lab Number: L2304232
Project Number: 091564.00.002
Report Date: 02/08/23

SAMPLE RESULTS

Lab ID: L2304232-06
Client ID: SB6
Sample Location: COLUMBUS, OH
Date Collected: 01/24/23 15:50
Date Received: 01/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	12.3		mg/kg	0.465	--	1	02/02/23 00:30	02/07/23 12:52	EPA 3050B	1,6010D	EGW
Barium, Total	40.2		mg/kg	0.465	--	1	02/02/23 00:30	02/07/23 12:52	EPA 3050B	1,6010D	EGW
Cadmium, Total	ND		mg/kg	0.465	--	1	02/02/23 00:30	02/07/23 12:52	EPA 3050B	1,6010D	EGW
Chromium, Total	6.05		mg/kg	0.465	--	1	02/02/23 00:30	02/07/23 12:52	EPA 3050B	1,6010D	EGW
Lead, Total	7.55		mg/kg	2.32	--	1	02/02/23 00:30	02/07/23 12:52	EPA 3050B	1,6010D	EGW
Mercury, Total	ND		mg/kg	0.082	--	1	02/02/23 01:55	02/08/23 10:32	EPA 7471B	1,7471B	DMB
Selenium, Total	ND		mg/kg	0.930	--	1	02/02/23 00:30	02/07/23 12:52	EPA 3050B	1,6010D	EGW
Silver, Total	0.457		mg/kg	0.443	--	2	02/07/23 14:44	02/07/23 18:42	EPA 3050B	1,6010D	GCL

Project Name: KITTLE WILSON RD
Lab Number: L2304232
Project Number: 091564.00.002
Report Date: 02/08/23

SAMPLE RESULTS

Lab ID: L2304232-07
Client ID: SB7
Sample Location: COLUMBUS, OH
Date Collected: 01/24/23 15:57
Date Received: 01/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	14.6		mg/kg	0.473	--	1	02/02/23 00:30	02/07/23 12:56	EPA 3050B	1,6010D	EGW
Barium, Total	57.5		mg/kg	0.473	--	1	02/02/23 00:30	02/07/23 12:56	EPA 3050B	1,6010D	EGW
Cadmium, Total	ND		mg/kg	0.473	--	1	02/02/23 00:30	02/07/23 12:56	EPA 3050B	1,6010D	EGW
Chromium, Total	8.40		mg/kg	0.473	--	1	02/02/23 00:30	02/07/23 12:56	EPA 3050B	1,6010D	EGW
Lead, Total	8.98		mg/kg	2.36	--	1	02/02/23 00:30	02/07/23 12:56	EPA 3050B	1,6010D	EGW
Mercury, Total	ND		mg/kg	0.096	--	1	02/02/23 01:55	02/08/23 10:35	EPA 7471B	1,7471B	DMB
Selenium, Total	ND		mg/kg	0.946	--	1	02/02/23 00:30	02/07/23 12:56	EPA 3050B	1,6010D	EGW
Silver, Total	0.470		mg/kg	0.456	--	2	02/07/23 14:44	02/07/23 18:46	EPA 3050B	1,6010D	GCL

Project Name: KITTLE WILSON RD
Project Number: 091564.00.002
Lab Number: L2304232
Report Date: 02/08/23

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-07 Batch: WG1739279-1										
Arsenic, Total	ND		mg/kg	0.400	--	1	02/02/23 00:30	02/07/23 11:46	1,6010D	EGW
Barium, Total	ND		mg/kg	0.400	--	1	02/02/23 00:30	02/07/23 11:46	1,6010D	EGW
Cadmium, Total	ND		mg/kg	0.400	--	1	02/02/23 00:30	02/07/23 11:46	1,6010D	EGW
Chromium, Total	ND		mg/kg	0.400	--	1	02/02/23 00:30	02/07/23 11:46	1,6010D	EGW
Lead, Total	ND		mg/kg	2.00	--	1	02/02/23 00:30	02/07/23 11:46	1,6010D	EGW
Selenium, Total	ND		mg/kg	0.800	--	1	02/02/23 00:30	02/07/23 11:46	1,6010D	EGW

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-07 Batch: WG1739281-1										
Mercury, Total	ND		mg/kg	0.083	--	1	02/02/23 01:55	02/08/23 09:49	1,7471B	DMB

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-07 Batch: WG1741806-1										
Silver, Total	ND		mg/kg	0.200	--	1	02/07/23 14:44	02/07/23 17:53	1,6010D	GCL

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: KITTLE WILSON RD

Project Number: 091564.00.002

Lab Number: L2304232

Report Date: 02/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG1739279-2 SRM Lot Number: D116-540								
Arsenic, Total	113		-		82-119	-		
Barium, Total	88		-		82-118	-		
Cadmium, Total	110		-		82-118	-		
Chromium, Total	94		-		81-118	-		
Lead, Total	110		-		83-117	-		
Selenium, Total	113		-		78-122	-		
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG1739281-2 SRM Lot Number: D116-540								
Mercury, Total	111		-		58-142	-		
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG1741806-2 SRM Lot Number: D116-540								
Silver, Total	105		-		79-121	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: KITTLE WILSON RD
Project Number: 091564.00.002

Lab Number: L2304232
Report Date: 02/08/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1739279-3 WG1739279-4 QC Sample: L2304246-02 Client ID: MS Sample												
Arsenic, Total	ND	11.4	11.7	102		12.4	107		75-125	6		20
Barium, Total	17.4	190	199	95		207	98		75-125	4		20
Cadmium, Total	ND	5.04	4.97	98		5.16	101		75-125	4		20
Chromium, Total	12.0	19	29.6	92		31.1	99		75-125	5		20
Lead, Total	ND	50.4	53.7	106		53.9	105		75-125	0		20
Selenium, Total	ND	11.4	11.5	101		11.9	102		75-125	3		20
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1739281-3 WG1739281-4 QC Sample: L2304246-02 Client ID: MS Sample												
Mercury, Total	ND	1.6	1.58	99		1.82	99		80-120	14		20
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1741806-3 WG1741806-4 QC Sample: L2304246-02 Client ID: MS Sample												
Silver, Total	ND	28.5	27.1	95		27.3	96		75-125	1		20

INORGANICS
&
MISCELLANEOUS

Project Name: KITTLE WILSON RD
Project Number: 091564.00.002

Lab Number: L2304232
Report Date: 02/08/23

SAMPLE RESULTS

Lab ID: L2304232-01
Client ID: SB1
Sample Location: COLUMBUS, OH

Date Collected: 01/24/23 14:56
Date Received: 01/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.4		%	0.100	NA	1	-	01/27/23 12:14	121,2540G	ROI

Project Name: KITTLE WILSON RD
Project Number: 091564.00.002

Lab Number: L2304232
Report Date: 02/08/23

SAMPLE RESULTS

Lab ID: L2304232-02
Client ID: SB2
Sample Location: COLUMBUS, OH

Date Collected: 01/24/23 15:03
Date Received: 01/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.9		%	0.100	NA	1	-	01/27/23 12:14	121,2540G	ROI

Project Name: KITTLE WILSON RD
Project Number: 091564.00.002

Lab Number: L2304232
Report Date: 02/08/23

SAMPLE RESULTS

Lab ID: L2304232-03
Client ID: SB3
Sample Location: COLUMBUS, OH

Date Collected: 01/24/23 15:14
Date Received: 01/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.0		%	0.100	NA	1	-	01/27/23 12:14	121,2540G	ROI

Project Name: KITTLE WILSON RD
Project Number: 091564.00.002

Lab Number: L2304232
Report Date: 02/08/23

SAMPLE RESULTS

Lab ID: L2304232-04
Client ID: SB4
Sample Location: COLUMBUS, OH

Date Collected: 01/24/23 15:29
Date Received: 01/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.7		%	0.100	NA	1	-	01/27/23 12:14	121,2540G	ROI

Project Name: KITTLE WILSON RD
Project Number: 091564.00.002

Lab Number: L2304232
Report Date: 02/08/23

SAMPLE RESULTS

Lab ID: L2304232-05
Client ID: SB5
Sample Location: COLUMBUS, OH

Date Collected: 01/24/23 15:35
Date Received: 01/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.8		%	0.100	NA	1	-	01/27/23 12:14	121,2540G	ROI

Project Name: KITTLE WILSON RD
Project Number: 091564.00.002

Lab Number: L2304232
Report Date: 02/08/23

SAMPLE RESULTS

Lab ID: L2304232-06
Client ID: SB6
Sample Location: COLUMBUS, OH

Date Collected: 01/24/23 15:50
Date Received: 01/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.9		%	0.100	NA	1	-	01/27/23 12:14	121,2540G	ROI

Project Name: KITTLE WILSON RD
Project Number: 091564.00.002

Lab Number: L2304232
Report Date: 02/08/23

SAMPLE RESULTS

Lab ID: L2304232-07
Client ID: SB7
Sample Location: COLUMBUS, OH

Date Collected: 01/24/23 15:57
Date Received: 01/25/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.7		%	0.100	NA	1	-	01/27/23 12:14	121,2540G	ROI

Lab Duplicate Analysis

Batch Quality Control

Project Name: KITTLE WILSON RD

Project Number: 091564.00.002

Lab Number: L2304232

Report Date: 02/08/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1737966-1 QC Sample: L2304232-01 Client ID: SB1						
Solids, Total	88.4	89.3	%	1		20

Project Name: KITTLE WILSON RD
Project Number: 091564.00.002

Lab Number: L2304232
Report Date: 02/08/23

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2304232-01A	Glass 60mL/2oz w/ septa unpreserved	A	NA		4.0	Y	Absent		OH-8260(14)
L2304232-01B	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L2304232-01C	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.0	Y	Absent		BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L2304232-01D	Glass 120ml/4oz unpreserved	A	NA		4.0	Y	Absent		OH-8270(14)
L2304232-01X	Vial MeOH preserved split	A	NA		4.0	Y	Absent		OH-8260(14)
L2304232-01Y	Vial Water preserved split	A	NA		4.0	Y	Absent	**01-FEB-23 13:17**	OH-8260(14)
L2304232-01Z	Vial Water preserved split	A	NA		4.0	Y	Absent	**01-FEB-23 13:17**	OH-8260(14)
L2304232-02A	Glass 60mL/2oz w/ septa unpreserved	A	NA		4.0	Y	Absent		OH-8260(14)
L2304232-02B	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L2304232-02C	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.0	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L2304232-02D	Glass 120ml/4oz unpreserved	A	NA		4.0	Y	Absent		OH-8270(14)
L2304232-02X	Vial MeOH preserved split	A	NA		4.0	Y	Absent		OH-8260(14)
L2304232-02Y	Vial Water preserved split	A	NA		4.0	Y	Absent	**01-FEB-23 13:17**	OH-8260(14)
L2304232-02Z	Vial Water preserved split	A	NA		4.0	Y	Absent	**01-FEB-23 13:17**	OH-8260(14)
L2304232-03A	Glass 60mL/2oz w/ septa unpreserved	A	NA		4.0	Y	Absent		OH-8260(14)
L2304232-03B	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L2304232-03C	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.0	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),SE-TI(180),PB-TI(180),HG-T(28),CD-TI(180)
L2304232-03D	Glass 120ml/4oz unpreserved	A	NA		4.0	Y	Absent		OH-8270(14)
L2304232-03X	Vial MeOH preserved split	A	NA		4.0	Y	Absent		OH-8260(14)
L2304232-03Y	Vial Water preserved split	A	NA		4.0	Y	Absent	**01-FEB-23 13:17**	OH-8260(14)

*Values in parentheses indicate holding time in days

Project Name: KITTLE WILSON RD
Project Number: 091564.00.002

Lab Number: L2304232
Report Date: 02/08/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2304232-03Z	Vial Water preserved split	A	NA		4.0	Y	Absent	**01-FEB-23 13:17**	OH-8260(14)
L2304232-04A	Glass 60mL/2oz w/ septa unpreserved	A	NA		4.0	Y	Absent		OH-8260(14)
L2304232-04B	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L2304232-04C	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.0	Y	Absent		BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L2304232-04D	Glass 120ml/4oz unpreserved	A	NA		4.0	Y	Absent		OH-8270(14)
L2304232-04X	Vial MeOH preserved split	A	NA		4.0	Y	Absent		OH-8260(14)
L2304232-04Y	Vial Water preserved split	A	NA		4.0	Y	Absent	**01-FEB-23 13:17**	OH-8260(14)
L2304232-04Z	Vial Water preserved split	A	NA		4.0	Y	Absent	**01-FEB-23 13:17**	OH-8260(14)
L2304232-05A	Glass 60mL/2oz w/ septa unpreserved	A	NA		4.0	Y	Absent		OH-8260(14)
L2304232-05B	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L2304232-05C	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.0	Y	Absent		BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),SE-TI(180),PB-TI(180),HG-T(28),CD-TI(180)
L2304232-05D	Glass 120ml/4oz unpreserved	A	NA		4.0	Y	Absent		OH-8270(14)
L2304232-05X	Vial MeOH preserved split	A	NA		4.0	Y	Absent		OH-8260(14)
L2304232-05Y	Vial Water preserved split	A	NA		4.0	Y	Absent	**01-FEB-23 13:17**	OH-8260(14)
L2304232-05Z	Vial Water preserved split	A	NA		4.0	Y	Absent	**01-FEB-23 13:17**	OH-8260(14)
L2304232-06A	Glass 60mL/2oz w/ septa unpreserved	A	NA		4.0	Y	Absent		OH-8260(14)
L2304232-06B	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L2304232-06C	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.0	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L2304232-06D	Glass 120ml/4oz unpreserved	A	NA		4.0	Y	Absent		OH-8270(14)
L2304232-06X	Vial MeOH preserved split	A	NA		4.0	Y	Absent		OH-8260(14)
L2304232-06Y	Vial Water preserved split	A	NA		4.0	Y	Absent	**01-FEB-23 13:17**	OH-8260(14)
L2304232-06Z	Vial Water preserved split	A	NA		4.0	Y	Absent	**01-FEB-23 13:17**	OH-8260(14)
L2304232-07A	Glass 60mL/2oz w/ septa unpreserved	A	NA		4.0	Y	Absent		OH-8260(14)
L2304232-07B	Plastic 2oz unpreserved for TS	A	NA		4.0	Y	Absent		TS(7)
L2304232-07C	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.0	Y	Absent		BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),SE-TI(180),PB-TI(180),HG-T(28),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name: KITTLE WILSON RD
Project Number: 091564.00.002

Lab Number: L2304232
Report Date: 02/08/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2304232-07D	Glass 120ml/4oz unpreserved	A	NA		4.0	Y	Absent		OH-8270(14)
L2304232-07X	Vial MeOH preserved split	A	NA		4.0	Y	Absent		OH-8260(14)
L2304232-07Y	Vial Water preserved split	A	NA		4.0	Y	Absent	**01-FEB-23 13:17**	OH-8260(14)
L2304232-07Z	Vial Water preserved split	A	NA		4.0	Y	Absent	**01-FEB-23 13:17**	OH-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	KITTLE WILSON RD	**Lab Number:**	L2304232
Project Number:	091564.00.002	**Report Date:**	02/08/23

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: Data Usability Report

Project Name:	KITTLE WILSON RD	**Lab Number:**	L2304232
Project Number:	091564.00.002	**Report Date:**	02/08/23

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

Report Format: Data Usability Report

Project Name:	KITTLE WILSON RD	**Lab Number:**	L2304232
Project Number:	091564.00.002	**Report Date:**	02/08/23

Data Qualifiers

ND - Not detected at the reporting limit (RL) for the sample.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: Data Usability Report

Project Name:	KITTLE WILSON RD	**Lab Number:**	L2304232
Project Number:	091564.00.002	**Report Date:**	02/08/23

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

OHIO CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

Service Centers
Columbus, OH: (614) 357-3321
OHServiceCenter@alphalab.com

Page 1 of 1

Date Rec'd in Lab: 1/26/23

ALPHA Job #: L2304232

Client Information

Client: SME
Address: 4401 LYMAN DR, STE C
HILLIARD OH 43026
Phone: 614-580-7599
Fax:
Email: ben.chenoweth@sme-usa.com

Project Information

Project Name: KITTLE WILSON RD
Project Location: COLUMBUS, OH
Project # 071564.00.002
(Use Project name as Project #) ☐
Project Manager: BEN CHENOWETH
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ BUSTR QA/QC Form
☒ VAP Affidavit ☐ Other
☐ EQuIS (1 File) ☐ EQuIS (4 File)

☒ OH VAP
☐ OH BUSTR
☐ Other:
☐ Other:
☐ Other:

Billing Information

☐ Same as Client Info
PO # APO@sme-usa.com

Site Information

Is this site impacted by Petroleum? Yes ☐
Petroleum Product:

These samples have been previously analyzed by Alpha ☐

For TPH, selection is REQUIRED:
☐ GRO (C6-C12)
☐ DRO/ORO (C10-C20/C20-C34)
☐ Other:

Other project specific requirements/comments:

Please specify Metals, i.e RCRA8, PP13, TAL, etc.

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: VOCs 8260	PAHs 8270	RCRA 8 Metals					Sample Specific Comments	Total Bottles
04232-01	SB1	1/24/23	1456	S	BMC	X	X	X						
-02	SB2	1/24	1503	S	BMC	X	X	X						
-03	SB3	1/24	1514	S	BMC	X	X	X						
-04	SB4	1/24	1529	S	BMC	X	X	X						
-05	SB5	1/24	1535	S	BMC	X	X	X						
-06	SB6	1/24	1550	S	BMC	X	X	X						
-07	SB7	1/24	1557	S	BMC	X	X	X						
Container Type						A	A	A						
Preservative						A	A	A						

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	1/25/23 1320		1/25/2023 1320
South West Cargo	1/26		1/26 10:36
	1/26 19:00		1/26 1900

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.

Form No: 39490 (rev. 19-Mar-2021)

Appendix R -

Environmental Justice Evaluation

EJScreen Community Report

This report provides environmental and socioeconomic information for user-defined areas, and combines that data into environmental justice and supplemental indexes.

Columbus, OH

1 mile Ring around the Area
Population: 8,281
Area in square miles: 4.12

A3 Landscape

LANGUAGES SPOKEN AT HOME

LANGUAGE	PERCENT
English	76%
Spanish	9%
Russian, Polish, or Other Slavic	1%
Other Indo-European	7%
Chinese (including Mandarin, Cantonese)	1%
Other Asian and Pacific Island	1%
Arabic	4%
Other and Unspecified	2%
Total Non-English	24%

COMMUNITY INFORMATION

- Low income: 42 percent
- People of color: 36 percent
- Less than high school education: 10 percent
- Limited English households: 6 percent
- Unemployment: 2 percent
- Persons with disabilities: 11 percent
- Male: 50 percent
- Female: 50 percent
- 65 years — Average life expectancy
- $31,330 — Per capita income
- Number of households: 3,572
- Owner occupied: 51 percent

BREAKDOWN BY RACE

- White: 64%
- Black: 8%
- American Indian: 0%
- Asian: 6%
- Hawaiian/Pacific Islander: 0%
- Other race: 0%
- Two or more races: 6%
- Hispanic: 15%

BREAKDOWN BY AGE

From Ages 1 to 4	7%
From Ages 1 to 18	19%
From Ages 18 and up	81%
From Ages 65 and up	13%

LIMITED ENGLISH SPEAKING BREAKDOWN

Speak Spanish	75%
Speak Other Indo-European Languages	19%
Speak Asian-Pacific Island Languages	6%
Speak Other Languages	0%

Notes: Numbers may not sum to totals due to rounding. Hispanic population can be of any race.
Source: U.S. Census Bureau, American Community Survey (ACS) 2017 -2021. Life expectancy data comes from the Centers for Disease Control.

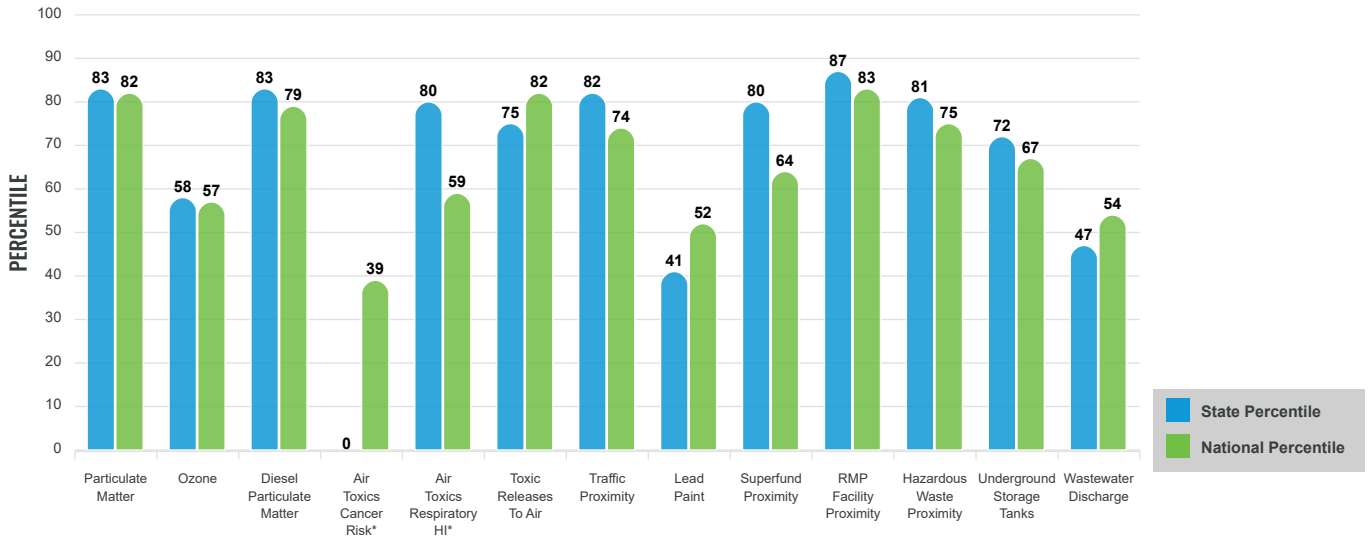
Environmental Justice & Supplemental Indexes

The environmental justice and supplemental indexes are a combination of environmental and socioeconomic information. There are thirteen EJ indexes and supplemental indexes in EJScreen reflecting the 13 environmental indicators. The indexes for a selected area are compared to those for all other locations in the state or nation. For more information and calculation details on the EJ and supplemental indexes, please visit the EJScreen website.

EJ INDEXES

The EJ indexes help users screen for potential EJ concerns. To do this, the EJ index combines data on low income and people of color populations with a single environmental indicator.

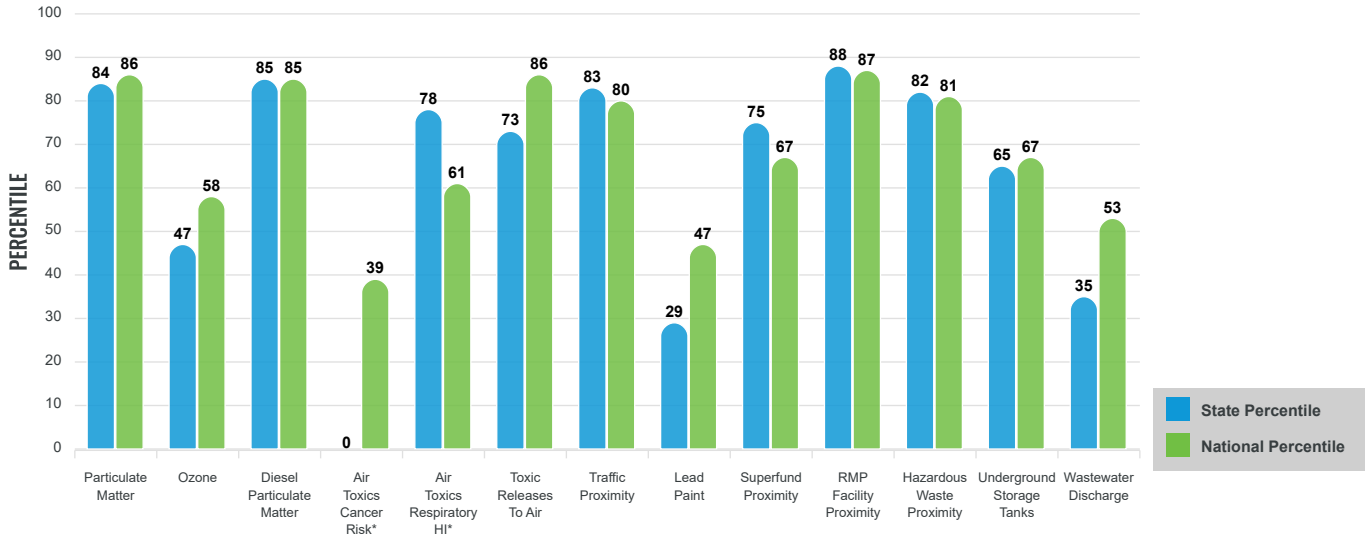
EJ INDEXES FOR THE SELECTED LOCATION



SUPPLEMENTAL INDEXES

The supplemental indexes offer a different perspective on community-level vulnerability. They combine data on percent low-income, percent linguistically isolated, percent less than high school education, percent unemployed, and low life expectancy with a single environmental indicator.

SUPPLEMENTAL INDEXES FOR THE SELECTED LOCATION



These percentiles provide perspective on how the selected block group or buffer area compares to the entire state or nation.

Report for 1 mile Ring around the Area

EJScreen Environmental and Socioeconomic Indicators Data

SELECTED VARIABLES	VALUE	STATE AVERAGE	PERCENTILE IN STATE	USA AVERAGE	PERCENTILE IN USA
POLLUTION AND SOURCES					
Particulate Matter (µg/m^3)	9.81	9.18	80	8.08	88
Ozone (ppb)	59.9	61.4	30	61.6	39
Diesel Particulate Matter (µg/m^3)	0.416	0.261	91	0.261	85
Air Toxics Cancer Risk* (lifetime risk per million)	20	22	0	25	5
Air Toxics Respiratory HI*	0.3	0.25	51	0.31	31
Toxic Releases to Air	4,500	10,000	58	4,600	84
Traffic Proximity (daily traffic count/distance to road)	250	110	88	210	80
Lead Paint (% Pre-1960 Housing)	0.11	0.44	17	0.3	36
Superfund Proximity (site count/km distance)	0.056	0.094	59	0.13	47
RMP Facility Proximity (facility count/km distance)	3.4	0.49	99	0.43	99
Hazardous Waste Proximity (facility count/km distance)	2.6	1.3	84	1.9	78
Underground Storage Tanks (count/km^2)	2.1	2.9	58	3.9	59
Wastewater Discharge (toxicity-weighted concentration/m distance)	0.00031	0.47	24	22	39
SOCIOECONOMIC INDICATORS					
Demographic Index	39%	28%	75	35%	63
Supplemental Demographic Index	17%	14%	68	14%	67
People of Color	36%	24%	76	39%	55
Low Income	42%	33%	68	31%	71
Unemployment Rate	2%	6%	37	6%	35
Limited English Speaking Households	6%	1%	93	5%	79
Less Than High School Education	10%	10%	64	12%	59
Under Age 5	7%	6%	70	6%	71
Over Age 64	13%	18%	35	17%	40
Low Life Expectancy	21%	21%	54	20%	69

*Diesel particulate matter, air toxics cancer risk, and air toxics respiratory hazard index are from the EPA's Air Toxics Data Update, which is the Agency's ongoing, comprehensive evaluation of air toxics in the United States. This effort aims to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that the air toxics data presented here provide broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. Cancer risks and hazard indices from the Air Toxics Data Update are reported to one significant figure and any additional significant figures here are due to rounding. More information on the Air Toxics Data Update can be found at: https://www.epa.gov/haps/air-toxics-data-update.

Sites reporting to EPA within defined area:

Superfund	0
Hazardous Waste, Treatment, Storage, and Disposal Facilities	2
Water Dischargers	7
Air Pollution	14
Brownfields	0
Toxic Release Inventory	10

Other community features within defined area:

Schools	1
Hospitals	0
Places of Worship	6

Other environmental data:

Air Non-attainment	Yes
Impaired Waters	Yes

Selected location contains American Indian Reservation Lands*	No
Selected location contains a "Justice40 (CEJST)" disadvantaged community	Yes
Selected location contains an EPA IRA disadvantaged community	Yes

Report for 1 mile Ring around the Area

EJScreen Environmental and Socioeconomic Indicators Data

HEALTH INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Low Life Expectancy	21%	21%	54	20%	69
Heart Disease	5.4	7.2	13	6.1	37
Asthma	10.3	10.7	48	10	64
Cancer	4.9	6.6	10	6.1	24
Persons with Disabilities	10.3%	14.8%	24	13.4%	34

CLIMATE INDICATORS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Flood Risk	2%	7%	29	12%	23
Wildfire Risk	0%	0%	0	14%	0

CRITICAL SERVICE GAPS

INDICATOR	VALUE	STATE AVERAGE	STATE PERCENTILE	US AVERAGE	US PERCENTILE
Broadband Internet	7%	15%	30	14%	37
Lack of Health Insurance	15%	7%	95	9%	85
Housing Burden	No	N/A	N/A	N/A	N/A
Transportation Access	No	N/A	N/A	N/A	N/A
Food Desert	Yes	N/A	N/A	N/A	N/A

Report for 1 mile Ring around the Area

Appendix S -

Zoning Documentation

Twin Creeks Drive, Columbus

Application for 4% LIHTC Bond Gap Financing

40. Zoning

- Letter from the City of Columbus
- City of Columbus zoning text
- Zoning map of 3400 Twin Creeks Drive

SCOTT MESSER
DIRECTOR

THE CITY OF
COLUMBUS
ANDREW J. GINTHER, MAYOR

DEPARTMENT OF BUILDING
AND ZONING SERVICES

August 10, 2023

Kyle Stanley
Kittle Property Group
310 East 96th Street, Suite 400
Indianapolis, IN 46240

Re: Zoning Confirmation Letter

Address: Wilson Road Parcels
Parcels 570-129822, 560-129800, 570-207187

To Whom It May Concern:

Our records indicate the property known as Franklin County Parcels 570-129822, 560-129800, and 570-207187 is zoned in the ARLD, Apartment Residential Zoning District. Refer to the Columbus Zoning Code for the permitted uses and applicable development standards. The zoning case number is Z70-054 (Ordinance 946-70).

Requests for records may be made by email at BZSRecords@columbus.gov. Requests for copies of zoning ordinances may also be obtained at: https://columbus.legistar.com/Legislation.aspx.

For additional zoning information applicable to this property and abutting properties, please refer to the on-line zoning map at: gis.columbus.gov/zoning/. The zoning code is available at: https://library.municode.com/oh/columbus/codes/code_of_ordinances.

Please address any questions to the zoning staff by email at zoninginfo@columbus.gov.

Sincerely,

Paul Freedman
pmfreedman@columbus.gov

3333.02 - AR-12, ARLD and AR-1 apartment residential district use.

Within an AR-12, ARLD or AR-1 apartment residential district no buildings or premises shall be used and no buildings shall be erected which are arranged, intended or designed to be used for other than one or more of the following specified uses:

(1) Apartment house, as defined in Chapter 3303, C.C., containing five or more dwelling units;

(2) Apartment complex, as defined in Chapter 3303, C.C. and located on a lot of no less than 20,000 square feet;

(3) Dwelling containing no fewer than three dwelling units and no more than four dwelling units, as defined in Chapter 3303, C.C., and in accordance with R-4 standards;

(4) Multiple dwelling development, as defined in Chapter 3303, C.C. and located on a lot of no less than 20,000 square feet;

(5) Town house development, as defined in Chapter 3303, C.C., containing no more than eight town houses in a row and no fewer than three town houses in a row, and in accordance with town house development standards;

(6) Religious Facility;

(7) School, as defined in Chapter 3303, C.C.;

(8) Public playground;

(9) Public park;

(10) Public library;

(11) Public museum;

(12) Public recreation building;

(13) Water supply reservoir, well, water tower, or filter bed;

(14) Public or parochial college or university (other than a trade or business institution);

(15) In accordance with C.C. 3333.055 one single-unit or two-unit dwelling, as defined in Chapter 3303, C.C.

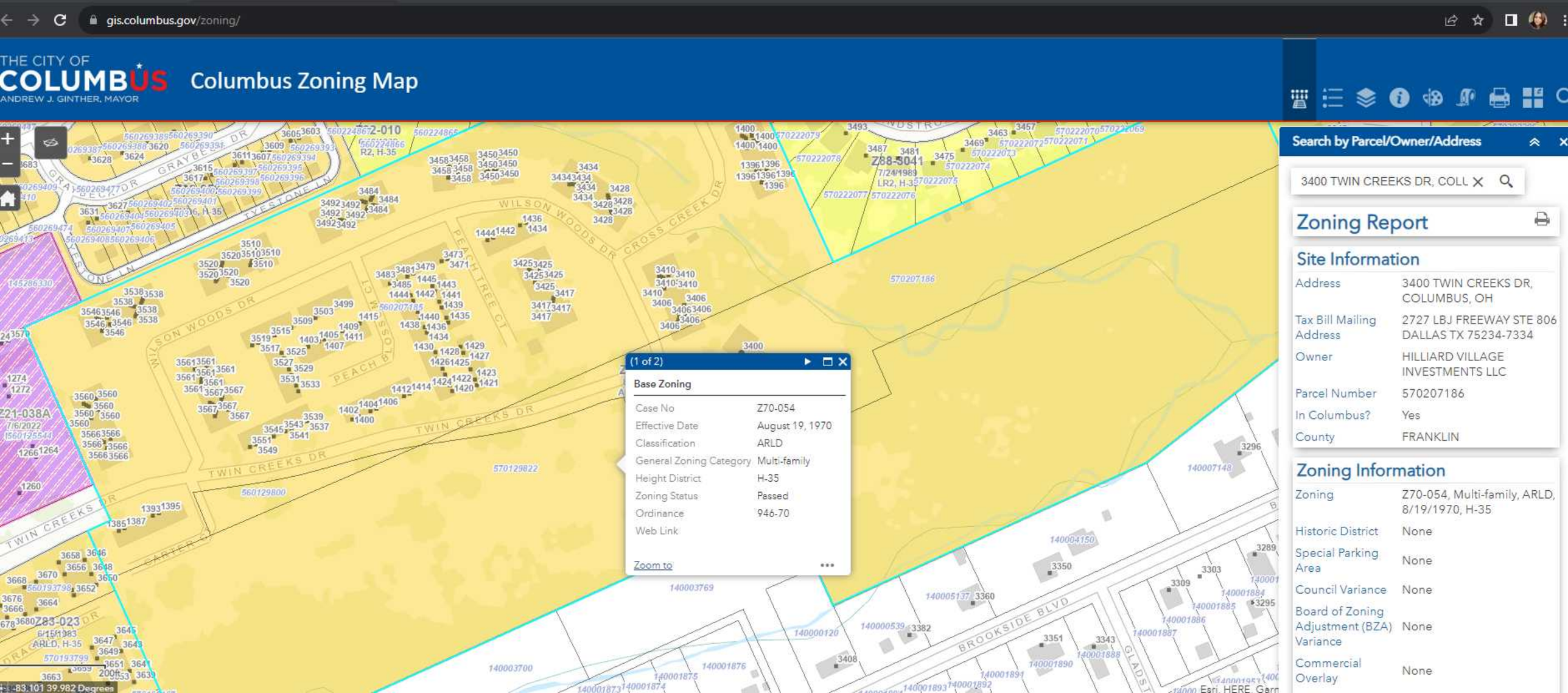
(16) Adult or child day care center.

(Ord. 998-90; Ord. No. 0239-2010, § 2, 4-5-2010; Ord. No. 1501-2022 , § 11, 6-13-2022)

3333.11 - ARLD area district requirements.

In an ARLD area district no building shall be erected or altered except on a lot of record with an area which equals or exceeds 2,500 square feet in area per dwelling unit if an interior lot or 1,500 square feet per dwelling unit if a corner lot for an apartment house, dwelling containing three or more dwelling units, town house development, apartment complex, or multiple-dwelling development, each as defined in Chapter 3303, C.C. A multiple-dwelling development or an apartment complex shall be on a single lot of 20,000 square feet or more in area.

(Ord. 1506-86.)


gis.columbus.gov/zoning/
THE CITY OF
COLUMBUS
ANDREW J. GINTHER, MAYOR
Columbus Zoning Map
Search by Parcel/Owner/Address
3400 TWIN CREEKS DR, COLL
Zoning Report
Site Information
Address 3400 TWIN CREEKS DR, COLUMBUS, OH
Tax Bill Mailing Address 2727 LBJ FREEWAY STE 806 DALLAS TX 75234-7334
Owner HILLIARD VILLAGE INVESTMENTS LLC
Parcel Number 570207186
In Columbus? Yes
County FRANKLIN
Zoning Information
Zoning Z70-054, Multi-family, ARLD, 8/19/1970, H-35
Historic District None
Special Parking Area None
Council Variance None
Board of Zoning Adjustment (BZA) Variance None
Commercial Overlay None
(1 of 2)
Base Zoning
Case No Z70-054
Effective Date August 19, 1970
Classification ARLD
General Zoning Category Multi-family
Height District H-35
Zoning Status Passed
Ordinance 946-70
Web Link
Zoom to
Z88-5041
7/24/1989
LR2, H-35
Z83-023
6/15/1983
ARLD, H-35
Z21-038A
7/6/2022
Z70-010
R2, H-35
WILSON WOODS DR
TWIN CREEKS DR
WILSON WOODS CROSS CREEK DR
PEACH BLOSSOM CT
PEACHTREE CT
BROOKSIDE BLVD
570207186
570129822
560129800
140003769
140000539
140003700
140001876
140001875
140001873
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140001890
140001891
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Appendix T -

Soil Suitability Documentation and Geotechnical Report

GEOTECHNICAL EVALUATION REPORT

WEST FORK DEVELOPMENT
TWIN CREEKS DRIVE
COLUMBUS, OHIO

SME Project Number: 092363.00
September 18, 2023

SME

4401 Lyman Drive, Suite C
Hilliard, OH 43026

T (614) 705-2250

www.sme-usa.com

September 18, 2023

Mr. Kyle Stanley
Kittle Property Group, Inc.
310 East 96th Street, Suite 400
Indianapolis, Indiana 46240

Via E-mail: kstanley@kittleproperties.com

RE: Geotechnical Evaluation
West Fork Development
Twin Creeks Drive
Columbus, Ohio
SME Project No. 092363.00

Dear Mr. Stanley:

We have completed our geotechnical evaluation for the subject project. This report presents the results of our observations and analyses, our geotechnical engineering recommendations and general construction considerations based on the information disclosed by the borings.

We appreciate the opportunity to be of service. If you have questions or require additional information, please contact me.

Sincerely,

SME

Michael Hammond, PE
Project Manager / Project Engineer

Enclosed: SME Geotechnical Evaluation, Dated September 18, 2023

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IMPORTANT INFORMATION ABOUT THIS GEOTECHNICAL ENGINEERING REPORT
GENERAL COMMENTS
LABORATORY TESTING PROCEDURES

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1. INTRODUCTION

This report presents the results of our geotechnical evaluation for the proposed West Fork development in Columbus, Ohio. We conducted this evaluation in general accordance with the scope of services outlined in SME Proposal P00744.23 dated March 9, 2023. Refer to the referenced proposal for information regarding our specific scope of services. Kittle Property Group authorized our services.

To assist with our evaluation and the preparation of this report, SME reviewed the following:

- A site plan drawing titled, “West Fork”, sheet ASP-1, dated August 22, 2023 and prepared by Kittle Properties Group, Inc.
- A site plan of the east side of the site titled, “West Fork Multi-Family Development, Prelim Grading”, dated March 9th, 2023, and prepared by Sands Decker Engineers & Surveyors. The plan includes finish floor elevations of the six apartment buildings and select top and bottom of retaining wall elevations

The updated site plan drawing was provided to SME subsequent to subsurface exploration discussed in this report. Due to the changes of the site layout, some of the borings originally planned within the footprint of buildings are located at edges or outside of currently-proposed building footprints.

1.1 SITE CONDITIONS

The project will include construction of a new apartment complex to be located along the south and east sides of Twin Creeks Drive in Columbus, Ohio. The location of the site is depicted on the Location Map inset on the Boring Location Diagram (Figure No. 1) included in Appendix A of this report.

The proposed site currently consists of a grassy field that stretches along the south side of Twin Creeks Drive. The site is bounded by floodways on multiple sides as indicated on the provided site plans and printout included in the appendix of this report from the FEMA’s National Flood Hazard Layer. The grassy field appears to be used by the neighboring Hillard Village apartment complex to the north and includes tennis courts, playground equipment, sand volleyball court, walking paths, park benches, and some mature trees. The grassy field is bounded to the south by dense trees and sloping terrain that leads to a low-lying floodway/creek. The east side of the site is also wooded with floodways surrounding the north, east and south sides. Based on onsite observations during drilling, existing utilities including stormwater lines leading to the floodway are present at the site.

Based on the referenced drawing and ground surface elevations collected at the staked boring locations by SME, discussed in Section 2.1, the existing ground surface across the project site varies between approximately elevations 800 and 842 feet. The slopes along the banks of the floodway/creek, are estimated to range from about 2:1 to 4:1 (Horizontal:Vertical).

1.2 PROJECT DESCRIPTION

We understand the 18.16 acre site will include the construction of six apartment buildings, a 1.5 acre pond, a clubhouse structure, bark park, entertainment pavilion, five garage structures with footprints ranging from four to six bays, retaining walls stretching along the south side of the complex, and associated parking and access drives. At the time of this report, we understand a proposed grading plan was not available. However, finish floor elevations of the structures and top and bottom of retaining wall elevations were provided on Image 1 below.

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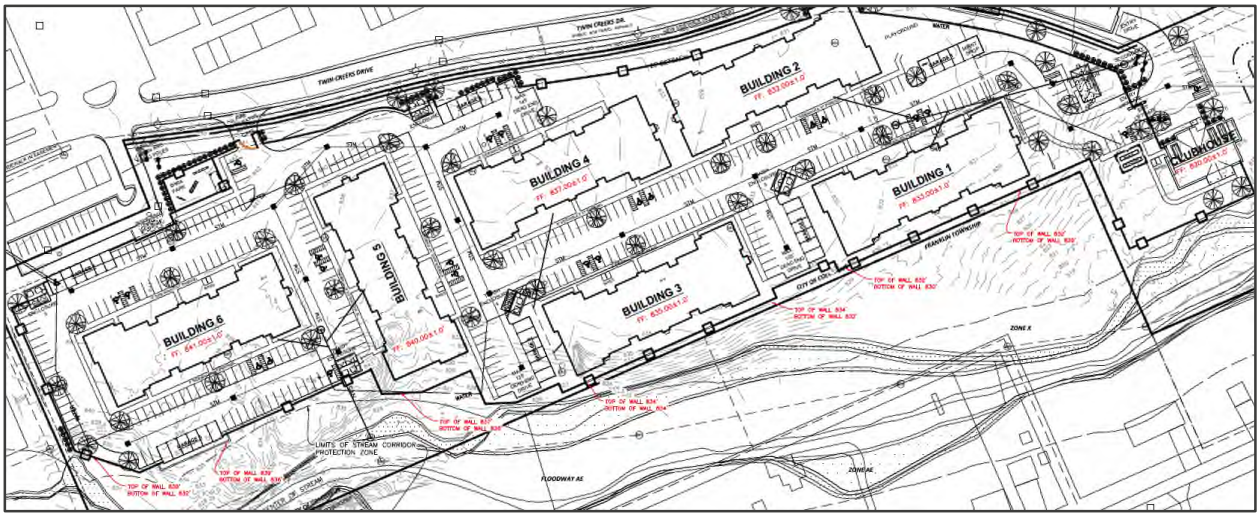

IMAGE NO. 1: SITE PLAN DRAWING BY SANDS DECKER ENGINEERS & SURVEYORS SHOWING FINISH FLOOR ELEVATIONS OF THE PROPOSED BUILDINGS AND TOP AND BOTTOM OF WALL ELEVATIONS

The provided retaining wall heights appear to range from 2 to 11 feet. Information regarding the type of retaining wall construction and design were also not provided at the time of this report. **A global stability analysis was not performed at this time due to the significant impact that proposed grading and design details regarding type of construction has on this analysis. This analysis must be performed prior to construction, and additional recommendations regarding retaining wall design and construction will need to be addressed when grades and layout are available.**

Based on the previously referenced drawings and discussions, the following information explains our understanding of the planned apartment buildings and clubhouse construction.

TABLE NO. 1: SUMMARY OF PROPOSED DEVELOPMENT

STRUCTURE	APPROXIMATE FOOTPRINTS	CONSTRUCTION DETAILS	ASSUMED LOADS[3]		ELEVATIONS[2]	
			MAXIMUM COLUMN LOADS (Kips)	MAXIMUM WALL LOADS (Kips per Lineal Foot)	LOWEST FINISH FLOOR ELEVATION (FEET)	EXISTING ELEVATIONS RANGE (FEET)
Building 1	90 feet by 230 feet [1]	Slab-on-grade with a CMU Elevator Shaft and four levels of wood framing above	200	5	833 +/- 1	829 to 833
Building 2					832 +/- 1	830 ½ to 832 ½
Building 3					835 +/- 1	825 to 833
Building 4					837 +/- 1	833 to 837
Building 5					840 +/- 1	829 to 838 ½
Building 6					841 +/- 1	838 to 841 ½
Entertainment Building	80 feet by 60 feet[2]	Slab-on grade with one-story of wood framing above	50	3	820 +/- 1	815 ½ to 818

NOTES: 1. Refers to dimensions from provided architectural drawing.
2. Based on the provided site plan drawing.
3. Based on our experience with similar types of projects.

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The recommendations of this report are based on the information above and the results of the field evaluation discussed below. Contact SME if the final design information is different than discussed herein.

The recommendations of this report are based on the information provided above and the results of the field evaluation discussed below. Contact SME if the final design information is different than discussed herein.

2. EVALUATION PROCEDURES

2.1 FIELD EXPLORATION

SME performed 19 borings (B1 through B15 and S1 through S4) at the project site between April 11 and April 13, 2023 for a total of about 350 linear feet of drilling. The approximate as-drilled locations of the borings are depicted on Figure No. 1 in Appendix A.

SME, in conjunction with Kittle, determined the number, depths, and locations of the borings based on the project information provided to us. SME staked the borings in the field and estimated the existing ground surface elevation data at the staked boring locations using a global positioning system (GPS) unit with sub-foot accuracy.

Borings were advanced with a rotary drill rig using continuous-flight augers to the termination depths of the borings to facilitate the collection of soil samples. The borings included soil sampling based upon the Split-Barrel Sampling procedure along with Shelby tube samples were applicable. The N_{60}-values reported on the boring logs represent the Standard Penetration Tests (SPT) resistances obtained in the field, adjusted for drill rig hammer efficiency, which is also noted on the logs. Soil samples recovered from the field exploration were delivered to our laboratory for further observation and testing.

Groundwater level observations were recorded during and after completion of drilling and sampling. After recording groundwater level observations, the boreholes were backfilled with auger cuttings. Therefore, long-term groundwater levels are not available from the borings.

2.2 LABORATORY TESTING

The laboratory testing program consisted of visual soil classification (in general accordance with ASTM D-2488) of the recovered samples and moisture content and hand penetrometer testing of portions of the cohesive samples obtained. The Laboratory Testing Procedures in Appendix B provide descriptions of the laboratory tests performed. Based on the laboratory testing, we prepared a soil description and assigned a group symbol to the various soil strata encountered based on the Unified Soil Classification System (USCS).

Upon completion of the laboratory testing, boring logs were prepared which include information on materials encountered, the soil descriptions, penetration resistances, pertinent field observations made during the operations, the results of the laboratory testing, and the collected existing ground surface elevation data at the staked boring locations. The boring logs are included in Appendix A. Explanations of symbols and terms used on the boring logs are provided on the attached Boring Log Terminology sheet.

Soil samples are normally retained in our laboratory for 60 days and then disposed, unless instructed otherwise.

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3. SUBSURFACE CONDITIONS

3.1 SOIL CONDITIONS

The borings were typically performed in areas covered with surficial topsoil varying in thickness from approximately 3 to 11 inches. No surficial topsoil was observed at boring locations B12 and B14. These locations appeared to have been walking paths or stripped in clearing prior to our arrival to the site. The surficial topsoil thickness measurements reported on the boring logs should be considered approximate since mixing of these materials can occur in small diameter boreholes. Therefore, if more accurate thickness measurements are required, we recommend performing additional evaluations such as shallow test pits or hand augers.

Below the surficial topsoil, the subsurface conditions encountered at the borings generally consisted of natural medium to hard lean clays with varying amounts of sands and gravels. Interbedded stratums of medium dense to very dense natural sands (SC and SP) were encountered at three boring locations (B2, B7, and B15) at varying depths.

The profile described in this report and included on the boring logs is a generalized description of the conditions encountered. The stratification depths described in this report and shown on the logs indicate a zone of transition from one soil type to another. They are not meant to delineate exact depths of change between soil types. Soil conditions may vary between or away from the exploration locations. Please refer to the boring logs for the soil descriptions, and results of the field and laboratory tests at the specific exploration locations.

3.2 GROUNDWATER CONDITIONS

Groundwater was encountered during and/or upon completion of drilling about 5 ½ to 18 feet beneath the existing ground surface at four boring locations (B5, B7, B8, and S2), corresponding to between approximate elevations 814 and 830.5 feet. Groundwater was not encountered at the remaining borings locations during or upon completion of the drilling operations.

In clays, a long time may be required for the groundwater level in the borehole to reach an equilibrium position. Therefore, the use of groundwater observation wells (piezometers) is necessary to accurately determine the hydrostatic groundwater level within cohesive soils such as encountered at this site.

Expect hydrostatic groundwater levels, perched groundwater, and the potential rate of infiltration into excavations to fluctuate throughout the year, based on variations in precipitation, evaporation, run-off, and other factors. The groundwater levels indicated by the borings represent conditions at the time the readings were observed. The actual groundwater levels at the time of construction may vary.

Portions of the project site are located within flood hazard zones. Elevated groundwater and floodwater should be expected during wet periods and/or after heavy rains and/or snowmelt.

4. ANALYSIS AND RECOMMENDATIONS

4.1 SITE PREPARATION AND EARTHWORK

4.1.1 GENERAL SITE SUBGRADE PREPARATION

We recommend existing utilities that will be abandoned or are already abandoned be completely removed from within the building footprints. In pavement areas, they may remain in place, provided they are located at least 2.5 feet below final design subgrade elevation to reduce the risk of forming “hardspots” beneath pavements and sidewalks. Backfill excavations resulting from removal of below-grade structures with granular engineered fill.

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The proposed building and pavement areas, along with other areas to receive engineered fill, must be cleared of existing topsoil and other deleterious materials to expose the underlying inorganic subgrade soils. We recommend the clearing and stripping extend a minimum of 5 feet beyond the proposed structure footprints. Large trees are located in portions of the site. Trees may have large/deep root systems, and roots larger than 1 inch in diameter should be completely removed from within proposed building footprints.

After stripping and removal of unsuitable materials, and making cuts to design subgrade levels, the exposed subgrade needs to be uniformly compacted using large construction equipment. Based on the borings, after stripping the surficial materials, we expect the earthwork contractor will generally encounter natural clays near the ground surface. As predominantly clayey soil conditions are expected, we recommend using large, vibratory sheepsfoot rollers for the compaction operations. We recommend at least several passes be made with the compaction equipment. In some areas, moisture conditioning and/or undercutting may be necessary to enhance the effectiveness of the compaction operation.

After cuts are made to design subgrade levels and compaction of the subgrade occurs, the building and pavement subgrade soils need to be subjected to a comprehensive proofrolling program. The purpose of proofrolling is to locate areas of unsuitably loose or soft subgrade. Perform proofrolling with a fully-loaded, tandem-axle truck or other similar pneumatic-tired construction equipment. Areas of unsuitable (i.e., wet, loose or soft) subgrade revealed during proofrolling need to be mechanically improved (compacted) in-place. If it is not possible to compact the unsuitable subgrade, it may be necessary to remove the unsuitable soils and replace them with engineered fill. We recommend an SME representative be onsite during earthwork operations to test the subgrade and assist the contractor with selecting the proper compactive equipment/rolling pattern for the subgrade improvement.

We anticipate the undisturbed natural soils will generally provide an adequate bearing surface for the planned construction, provided the recommendations for subgrade preparation in this report are followed. However, the predominantly clayey profile of the site will be susceptible to “holding water” and will experience subgrade disturbance if accumulations of precipitation are allowed to pond on the site.

Due to the poorly-draining nature of the clayey subgrade, the near-surface soils are at an elevated risk to experience significant pumping and/or rutting when exposed to construction traffic. We recommend shaping the site to facilitate surface water control toward the non-structural areas of the site, constructing designated haul roads, and limiting construction vehicle access to designated areas. Summer construction is desirable at this site in an attempt to reduce the amount of subgrade disturbance and required improvements.

If the subgrade becomes disturbed during the earthwork operations, it will be necessary to mechanically improve the disturbed subgrade by moisture condition (i.e., aerating and drying) and compacting the soil; removing and replacing the disturbed soils with engineered fill, crushed aggregate, or crushed concrete; or stabilizing the surface by placing a geogrid and crushed aggregate. The success of moisture conditioning the existing soils will be dependent on the weather conditions at the time of construction, as discussed further in Section 4.1.3. To protect areas of exposed subgrade from disturbance, placement of crushed aggregate or crushed concrete, possibly with a geotextile for separation, could be required.

Another option could include mixing the upper subgrade with lime and/or cement-based additives if the subgrade experiences significant disturbance and cannot be improved by conventional subgrade improvement methods. This would also be an option if the earthwork operations will take place during unfavorable weather conditions. Special care is required when mixing/treating soils with lime/cement materials. If lime/cement stabilization is required, we recommend retaining SME to prepare the mix design(s) specific for this project, and we recommend the work be performed by a specialty contractor with at least 10 years of successful experience in ground improvement using chemical admixtures.

After the exposed subgrade is evaluated (as described above) and improved as necessary, engineered fill may be placed on the exposed subgrade to establish final subgrade levels. See Section 4.1.3 of this report for materials and compaction requirements for engineered fill.

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4.1.2 SUBGRADE PREPARATION FOR SLABS

Based on the provided finish floor elevations and top and bottom of wall elevations, we anticipate the final subgrade for the apartment, entertainment, and garage structures will consist of properly prepared natural clay or engineered fill placed over properly prepared natural soils. These soils are generally considered suitable for support of grade slabs, provided the subgrade is properly prepared as discussed in Section 4.1.1, and the engineered fill is properly placed and compacted as discussed in Section 4.1.3. We recommend a vertical modulus of subgrade reaction, k_{30}, of 100 pounds per cubic inch (pci) for the design of floor slabs supported by subgrade soil prepared and verified as described above. We based this subgrade modulus on empirical relationships between soil type and plate load tests performed with a 30-inch diameter bearing plate. The modulus is the ratio of load in pounds per square-inch (psi) to a 0.05-inch deflection.

Granular base material consisting of at least 6 inches of AASHTO No. 8 or No. 9 crushed natural stone should be placed below the floor slab to provide a leveling surface for construction of the slab and a moisture capillary break between the slab and the underlying clay soils. Do not use slag or shale as base material. The base material should be compacted with a vibratory smooth drum roller until no further densification is observed.

We recommend a vapor barrier be provided below the floor slab if the slab is to receive an impermeable floor finish/seal or a floor covering which would act as a vapor barrier. Even if these floor coverings are not planned, the vapor retarder can reduce the transmission of moisture vapor from the ground into the structure due to thermal and humidity variations, and other conditions. However, the placement of a vapor retarder affects construction of the floor slab, concrete curing, and the rate of moisture loss as the concrete dries. The flatwork contractor must use the appropriate equipment, materials, and methods to prevent undesirable slab curling/warping. Also, the location of the vapor retarder (relative to the subbase) needs to be determined by the design Architect/Engineer based on the intended floor usage, planned finishes, and ACI recommendations.

We recommend floor slabs be separated by isolation joints from structural walls and columns bearing on their own footings to permit relative movement. Provide a minimum of 6 inches of engineered fill between the bottom of the slab and the top of the shallow spread footing below. Otherwise, we recommend the structural engineer account for potential relative settlements by using grade beams, thickened slabs with appropriate reinforcing steel or other appropriate details.

Protect the slab-on-grade subgrade soils from frost during winter construction. Frozen soils must be thawed and compacted or removed and replaced prior to slab-on-grade construction.

4.1.3 ENGINEERED FILL REQUIREMENTS

Fill placed within structural areas, including utility trench backfill, must be an approved material, free of frozen soil, organics, cobbles and boulders, shale, slag, construction debris, particle sizes that will hinder compaction, and other deleterious materials. Spread fill in level layers with a loose thickness appropriate for the type of equipment used to obtain compaction, but not exceeding 10 inches thick. Thinner lifts will be required in confined spaces and where compaction is achieved with walk-behind rollers/compactors or plate compactors mounted on a backhoe or excavator (Hoe-pac). The fill's moisture content should adjust to be within plus or minus two percent of the material's optimum moisture content based on a standard Proctor test.

Engineered fill should be compacted to 100 percent of standard Proctor maximum dry density (ASTM D698) below foundation bearing elevations. Engineered fill intended to support floor slabs and pavement should be compacted to at least 98 percent with the upper one foot compacted to 100 percent. Fill placed in green areas should be compacted to at least 95 percent to limit settlement, which can contribute to uneven surface grades and ponding of surface water. Compact granular fill with a smooth drum vibratory roller or vibratory plate compactors. Compact clay fill by overlapping passes with a sheepsfoot or padfoot roller.

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We anticipate that some of the material excavated from the pond area will be reused as engineered fill. Based on the information from the borings, the natural clays and sands encountered at the boring locations are considered suitable for reuse as site engineered fill, provided the material meets the requirements previously described. Based on the clay within the upper 10 feet of current grade at boring location B4, some of the natural clays are well above typical optimum moisture contents, and significant moisture conditioning (disking and drying or chemical modification) will be required. On this basis, they may be impractical for reuse as engineered fill. Reuse material must meet the general requirements listed in the previous paragraph and are inorganic (containing less than 4% organic material).

The successful reuse of the on-site soils for engineered fill will depend on the time of year and the care the earthwork contractor uses during construction. During cold and wet periods, the subgrade soils can become saturated, disturbed, and difficult to dry and compact. If such conditions occur, the contractor may have to use imported material, approved by SME, as engineered fill. The contractor should closely review the appended boring logs and perform test pits, as needed, to further evaluate the feasibility of reusing the on-site soils as engineered fill.

Clays and clayey sands are difficult to compact in confined areas, such as in utility trenches and foundation excavations, where smaller, walk-behind type compaction equipment is used. We recommend clay and clayey sand soils not be used as engineered fill where drainage is required and should be used as engineered fill in open areas where compaction is achieved with large equipment and where moisture conditioning is feasible. During wetter/colder periods of the year when moisture condition of the clayey soils will likely not be feasible, we expect it will be necessary to import granular fill to the site and waste the clayey soils on non-structural areas of the site. **Based on somewhat elevated moisture contents relative to shear strengths at some of the upper clays, we recommend clays be placed at 2% ABOVE optimum moisture content to reduce the risk of long-term shrink-swell behavior. We recommend performing Atterberg limits on clays targeted for reuse as engineered fill. Do not reuse site clays with unit weights of 116 pcf or less and/or with plasticity indices (PIs) of 20 percent or greater. These clays can be wasted outside building footprints or can be chemically modified with quick lime and/or cement to lower plasticity properties.**

Granular material should be used to backfill utilities, foundation walls, and other areas where the excavations are narrow, and compaction is often achieved with plate-type compactors or walk-behind rollers. In these instances, we recommend using imported granular backfill such as ODOT Item 703.11.B Structural Backfill Type 2 meeting the gradation with 100 percent passing the 3/4-inch sieve and consisting of natural crushed granular material (slag and recycled materials excluded) or AASHTO #57 crushed limestone aggregate. The granular backfill placed in exterior pavement and slab-on-grade areas should be capped with at least 18 inches of lean clay, placed and compacted as engineered fill. The purpose of the clay cap is to create relatively uniform subgrade support conditions, matching the adjacent clay soils, and to reduce the potential for water to accumulate in the granular backfill below the clay cap that can potentially lead to premature pavement distress/failure.

If engineered fill is required to stabilize subgrades, we recommend using an approved coarse crushed aggregate or crushed concrete, nominal 1- to 3-inch diameter material with a maximum of 7 percent passing the No. 200 sieve. In cases where granular engineered fill will be placed over the crushed aggregate, we recommend the surface of the coarse crushed material be choked with a layer of at least 6 inches of closed graded crushed aggregate or covered with suitable woven geotextile to prevent migration of the granular backfill soils into the coarser crushed material.

Place fill in the lowest areas of the site first, and construct buildings/structures in these areas last to allow for consolidation within the newly-placed fill and within the native soils underlying the engineered fill mass.

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4.2 FOUNDATIONS

4.2.1 SUBGRADE VERIFICATION

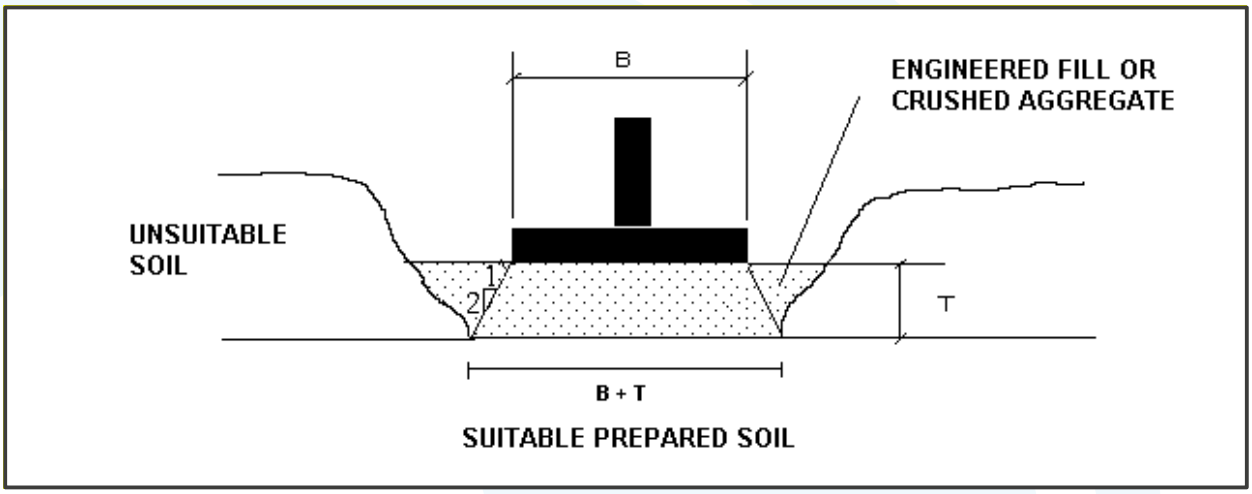
To verify suitable subgrade is exposed at the bearing surface of footing excavations, and the maximum net allowable soil bearing pressure is achievable, foundation subgrades must be evaluated and tested during construction. By preparing the geotechnical evaluation report, SME is currently the geotechnical engineer of record for this project and is best suited to observe and test the foundation subgrades during construction and to verify the recommendations of this report are properly implemented during construction.

4.2.2 SHALLOW FOUNDATIONS

The proposed apartment, entertainment pavilion, garage structures, and retaining walls can be supported by shallow spread foundations bearing on suitable natural very stiff clays or medium dense sands, or on engineered fill placed over suitable natural soils. We recommend a maximum net allowable soil bearing pressure of 4,000 pounds per square-foot (psf) (global safety factor of three or more) for design of shallow foundations bearing on suitable soils described above. Higher bearing pressures are potentially achievable in some areas; however, our recommended bearing pressure is believed to be reasonable for this project based on the project information, projected structural loading conditions, and to limit undercutting of soils. We recommend an SME representative be onsite during foundation construction to observe and test the subgrade, and verify the soils are representative of the conditions encountered at the borings.

Based on the provided finish floor elevations and some of the top and bottom of retaining wall heights, we anticipate fills of up to 11 feet. The southern portion of the site will see most of the fill. The proposed grading of the northern and central portions of the site appear that they will be similar to the existing grading. We anticipate that the proposed FFE elevations will be up to 7 feet above the existing surface grades in the building pad areas.

Once each foundation area is exposed, SME must observe and test the foundation subgrades to verify stable bearing conditions are present. Unstable soil encountered in foundation areas must be undercut to expose the very stiff clay or medium dense sands bearing material below, oversized laterally, and backfilled with granular engineered fill or crushed aggregate as shown on the *Typical Foundation Undercutting Diagram* below.



TYPICAL FOUNDATION UNDERCUTTING DIAGRAM

Extend exterior foundations a minimum of 36 inches below the lowest adjacent exterior grade for protection against frost action during normal winters. Interior foundations in heated areas can be constructed at shallower levels on suitable soils below the floor slab. Footing trenches should be

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excavated to a level bearing surface. Bearing surfaces should be cleaned of mud and loose cuttings and should be protected against water accumulation from rainfall, surface drainage, or excavation sidewall seepage prior to placing concrete. Place foundation concrete as soon as foundation excavations have been completed, and the design bearing pressure verified to reduce the potential for disturbance of the foundation subgrade or for moisture changes in clay bearing soils that could potentially lead to shrink-swell related movement. In cases where the excavation will remain exposed for a longer period of time, protect the subgrade soils with a concrete mud mat and protect the bearing soils from freezing if the work is performed during seasonally cold weather.

The clays soils appear suitable for earth-formed foundations (neat trench methods). However, sands, such as those encountered in the upper 3 to 8 feet at boring location B7, are subject to sloughing and caving, particularly where these soils are in a wet and/or poorly compacted condition. In such cases where sloughing occurs, the foundations may need to be constructed using man-made forms. Vertical excavation sidewalls (where practical) must be maintained during foundation concrete placement and must not be allowed to “mushroom out” at the top, particularly for exterior foundations as this can create a “frost lip”.

If side-wall caving occurs (regardless of the method of construction), remove the sloughed soils, re-establish an undisturbed bearing surface, and form the sidewalls as required. Place foundation concrete as soon as practical after foundation excavations have been completed and the design bearing pressure verified to reduce the potential for disturbance of the foundation subgrade.

For bearing capacity and settlement considerations, we recommend continuous (wall) footings have a minimum width of 18 inches and spread (column) footings have a minimum dimension of 30 inches. In some cases, the minimum footing size criteria may dictate the size of the foundation and not the allowable soil bearing pressure.

Foundation settlement of about 1/2 to 1 inch is expected for the estimated loads provided. However, foundation settlement is in addition to settlement from primary consolidation under the weight of fill. Where up to 11 feet of fill is planned, about 3/4 inch settlement is expected under the weight of the fill, with total settlement (foundations and fill) over the lifetime of the structure of about 1.25 to 1.75 inches. Further, differential settlement of structures that span areas where the amount of newly placed fill varies significantly could approach the total settlement expected under the weight of fill PLUS half the anticipated foundation settlement, or about 1.25 inches. Settlement due to consolidation of clays typically occurs slowly (decades), and the additional 3/4 inch of settlement anticipated over the lifetime of the structure may be acceptable. If greater than typical settlement is unacceptable, it will be necessary to preload the area (possibly in combination with wick drains), keep apartment buildings out of areas of deep fill, support the buildings on deep foundations, or construct buildings in areas of deep fill over a grid of rigid inclusions or aggregate piers. Detailed analyses of these options are beyond our current scope of services.

4.3 SEISMIC SITE CLASSIFICATION

Based on the subsurface information obtained from the borings, Seismic Site Class D applies to this site in accordance with the Ohio Building Code, Section 1613 and Table 20.3-1 in ASCE Standard ASCE/SEI 7-16. Based on this site’s subsurface profile, a Seismic Site Class C could be achievable if shear wave velocity testing is performed to verify. Please contact SME if you would like to discuss this option and the potential benefits further.

4.4 RETAINING WALLS

The proposed development has multiple retaining walls along the north and south sides. Some of the wall tops and bottoms were provided on the previously referenced drawings. These walls appear to have a maximum height of 11 feet in the southwest side of the site in the areas south of Building 5 and southwest of Building 3. The wall heights on the southside of the development appear to step down moving east.

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Information regarding the type of construction (i.e. cast-in-place concrete) and additional design information was not available at the time of this report.

A global stability analysis was not performed at this time due to the significant impact that proposed grading and design details regarding type of construction has on this analysis and the service was not included in SME' service at this time. However, this analysis must be performed prior to construction. Do not base the final design of retaining walls solely on the information presented in this report.

Based on the provided bottom of wall elevations, we anticipate that the retaining wall foundations will bear on suitable natural soils or engineered fill placed over suitable natural soils. We anticipate the retaining walls will have a non-uniform pressure distribution at their base and may be designed using a maximum edge pressure of 4,500 pounds per square feet (psf), provided the average pressure below the foundation does not exceed 4,000 psf.

We do not recommend timber walls for this project. Timber walls are difficult to install properly, have a short life span, and must be regularly maintained. Feasible retaining wall options for this project include conventional cast-in-place concrete cantilever walls or mechanically stabilized earthen (MSE) walls (sometimes referred to as segmental block walls)- either conventional or large-format (such as Redi-Rock). Other walls types may also be considered, but may be more costly than MSE or concrete walls.

4.4.1 WALL BACKFILL

The site wall backfill immediately behind or against the wall (recommended to extend a minimum of 24 inches behind the wall) should consist of an open-graded well-draining granular material (AASHTO #57) and should be well compacted using vibration and thin lifts. Care should be exercised during compaction of the wall backfill to avoid overstressing the walls. If required, walls must be designed to accommodate the additional stresses associated with operating compaction equipment adjacent to the wall.

If MSE walls are planned, follow the manufacturer's specifications for wall backfill, including potential use of geogrid and filter material.

4.4.2 LATERAL EARTH PRESSURES AND SLIDING RESISTANCE

For an open-graded, well-draining granular material used as backfill and a level surface behind the wall, an equivalent fluid active earth pressure of 40 pounds per cubic foot (pcf) should be used for the design of flexible walls. This earth pressure is based on the walls being flexible enough to permit the active earth pressure condition to be reached. An inward movement equal to approximately 0.001 times the height of the wall is generally required to achieve the active earth pressure condition for granular backfill. For cantilever retaining walls, there should be enough wall movement to allow for the active earth pressure condition to the develop. However, if the wall is restrained, a higher lateral earth pressure should be used for design. *For walls restrained from movement and backfilled with a well-draining granular material and a level surface behind the wall, we recommend an equivalent fluid at-rest earth pressure of 55 pcf be used for design.*

Furthermore, if present, additional lateral pressures due to surcharge loading, such as sloping ground, traffic loads, live loads, etc., must be added to the above lateral earth pressures for design. Surcharge loads should be modeled as a uniform pressure distribution applied to the entire wall height. We recommend using horizontal coefficients of 0.33 and 0.5, for active and at-rest conditions respectively, to calculate loads on walls due to surcharges. Use of these values requires a granular wall backfill.

Passive earth pressure of the soil wedge adjacent to buried portion of the walls retaining walls can be used to resist sliding or overturning, provide this earth material will not be removed over large areas in the future. To account for the full passive resistance, a horizontal surface is required for the soil mass extending at least 10 feet from the face of the wall foundation, or three times the height of the surface generating the passive pressure, whichever is greater. An allowable equivalent passive fluid pressure of 180 pcf can be considered for properly compacted ODOT Item 703.11.B Structural Backfill Type 2

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engineered fill, or natural soils, based on the ultimate equivalent passive fluid pressure divided by a factor of safety of 2. The upper 12 inches of soil in areas not protected by pavement or other erosion resistant material should not be included in the design for passive resistance to lateral loads. Do not consider passive earth pressure for MSE walls.

Sliding or shear resistance along the base of wall foundations may also be used to resist horizontal loads. We recommend an ultimate coefficient of sliding friction of 0.35 for foundation design for foundations bearing on suitable natural clays or engineered fill. Additionally, we recommend a minimum factor of safety of 1.5 for sliding stability or shear resistance.

4.4.3 DRAINAGE

The earth pressures presented above are for a drained wall backfill. Lack of proper drainage is a primary contributor to retaining wall failures. To reduce the potential for the build-up of hydrostatic pressure behind the site retaining walls, we recommend foundation drains be installed along the sides of the walls that retain soil. We recommend the foundation drains consist of a minimum 6 inch diameter perforated plastic drain pipe, wrapped with a filter fabric (e.g. Mirafi® 140N or 160N) and surrounded by 6 inches of a filter material, such as AASHTO #57 granular material wrapped with a filter fabric. The drains should be discharged into a gravity drainage outlet, or “daylighted” at regular intervals through the face of the wall. We recommend the design include provisions for access to the drains for cleaning and maintenance (i.e., clean-outs).

4.5 PAVEMENT SUBGRADE PREPARATION

The proposed final grade of the pavements were not provided at the time of this report; however, the finish floor elevations and top of wall elevations in the areas near the pavements appear that they will be at or near current surface grades or be supported by up to 11 feet of engineered fill. The pavement subgrades must be prepared consistent with and as described in Section 4.1.1. However, in conjunction with Section 4.1.1, we recommend the supplemental pavement subgrade recommendations provided below.

As mentioned in Section 4.1.3, the upper 12 inches of the exposed subgrade must be compacted to a minimum of 100 percent of the maximum dry density determined by the standard Proctor test. Once compacted, the subgrade needs to then be proofrolled with a fully loaded tandem axle dump truck or other suitable rubber-tired equipment in the presence of SME. Areas exhibiting excessive surface deformations (deflection greater than ¼-inch) will need to be further recompacted or undercut and backfilled with engineered fill or a layer of coarse crushed aggregate until a relatively uniform and suitably stable subgrade is developed. We recommend an SME representative be onsite during construction to determine the type and quantity of subgrade stabilization to be used based on the conditions encountered during construction.

Once the subgrade passes the final proofroll, we recommend the pavement layers be placed soon thereafter, to avoid further subgrade disturbance. If additional subgrade disturbance (i.e., freezing weather, rain, construction traffic, etc.) occurs prior to aggregate base placement, we recommend the subgrade be proofrolled again to evaluate the severity of the disturbance(s). In addition, the aggregate base layer must be reviewed and evaluated, and remediated if it is disturbed prior to paving.

4.6 CONSTRUCTION CONSIDERATIONS

The currently proposed building footprints differ from those proposed at the time of drilling, and some borings lie outside proposed building footprints. Soil and groundwater conditions can vary between or away from borings. Should soil conditions vary from the general soil profile, contact us for additional recommendations. Consideration may be given to excavating test pits or performing additional borings to further evaluate soil and groundwater conditions within the currently-proposed building footprints.

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Significant groundwater seepage is not expected to be encountered in excavations above about 5 feet below existing grades. However, water from precipitation, surface runoff, or perched groundwater source(s) could be encountered at depths below 5 feet of existing grades, and in lower areas of the site (within the designated flood plain), elevated water levels are possible. Where natural granular soils are exposed, perched groundwater may drain into the underlying subgrade. The concentration of clay in the subgrade will affect the rate of infiltration and the time required for the subgrade to dry after a precipitation event. If water accumulates in excavations above a depth of 20 feet, we expect these accumulations can be controlled using standard sump pit and pumping procedures. Excavations extending more than 1 foot below the groundwater level may likely require high capacity dewatering to maintain a dry excavation. A working surface of either crushed aggregate or crushed concrete may be required to protect the exposed subgrade where seepage is encountered.

We recommend a contingency be included in the construction budget to address deeper removal of topsoil, root masses, existing drainage or localized areas of dumping in the wooded areas and replacement with suitable engineered fill. We recommend obtaining unit prices for this work from earthwork contractors, and actual quantities associated with this work documented during construction.

The exposed subgrade soils may be easily disturbed due to weather and activity on-site. Therefore, the contractor should remove ponded surface water and slope the subgrade surface to prevent surface water from reaching the footing excavations and areas of prepared subgrade. Also, to reduce the potential of subgrade disturbance across the site, construction traffic should be restricted to dedicated areas of the site, and not be allowed to randomly traffic the entire site. Disturbed soils will have to be moisture conditioned and recompacted in-place, or undercut and replaced with engineered fill. Moisture conditioning may not be feasible during seasonally cold and wet times of the year, resulting in a need for additional imported fill, and additional spoil that must be disposed on-site or exported, if the work is performed between the late fall and early spring seasons. Performing site work during the drier summer months should reduce, but not eliminate, the potential for subgrade disturbance and the need for improvement of the subgrade.

The contractor must provide a safely sloped excavation or an adequately constructed and braced shoring system in accordance with federal, state and local safety regulations for individuals working in an excavation that may expose them to the danger of moving ground. If material is stored or heavy equipment is operated near an excavation, use appropriate shoring to resist the extra pressure due to the superimposed loads.

Handling, transportation and disposal of excavated materials and groundwater need to be performed in accordance with applicable environmental regulations.

The roof downspouts of the proposed structures should not be discharged onto the ground and should be directed away from retaining walls.

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5. SIGNATURES

We appreciate the opportunity to work with you on this project. There are many benefits in keeping the geotechnical engineer of record involved with the project through engineering support and observation and testing during construction, particularly if any project plans or subsurface conditions differ from those described in this report. Please let us know if you have any questions and if we can assist you further with this project.

REPORT PREPARED BY:

Tyler L. Stephenson, EIT
Project Engineer

REPORT REVIEWED BY:

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Senior Consultant

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APPENDIX A

BORING LOCATION DIAGRAM (FIGURE NO. 1)
BORING LOG TERMINOLOGY
BORING LOGS (B1 THROUGH B15, S1 THROUGH S4)
NATIONAL FLOOD HAZARD LAYER VIEWER PRINTOUT

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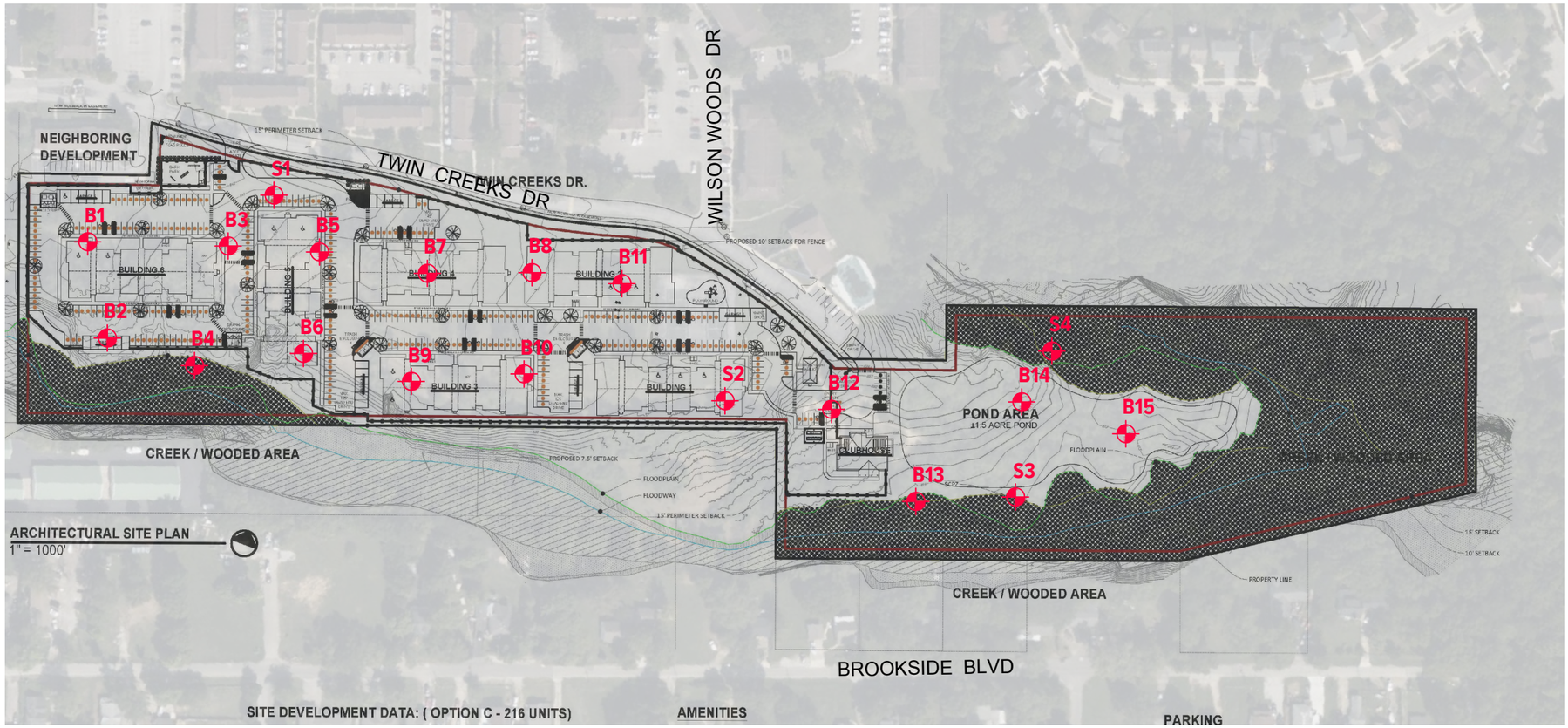

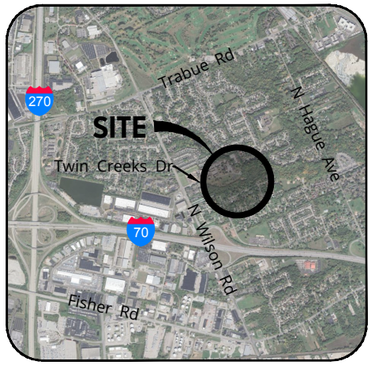

LOCATION MAP
NOT TO SCALE

LEGEND

APPROXIMATE BORING LOCATION

NOTE:
1. BASE DRAWING INFORMATION PROVIDED FROM A PDF/DRAWING TITLED "ARCHITECTURAL SITE PLAN" (SHEET NO. ASP-1), PREPARED BY KITTLE PROPERTY GROUP, INC.

2. LOCATION MAP TAKEN FROM GOOGLE EARTH PRO WITH AN IMAGE DATE OF 10-8-2022.

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Project
WEST FORK DEVELOPMENT

Project Location
COLUMBUS, OHIO

Sheet Name
BORING LOCATION DIAGRAM

No.	Revision Date

Date 4-7-2023
CADD JAB
Designer TLS
Scale AS NOTED
Project 092363.00
Figure No. 1

DRAWING NOTE: SCALE DEPICTED IS MEANT FOR 11" X 17" AND WILL SCALE INCORRECTLY IF PRINTED ON ANY OTHER SIZE MEDIA

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PLOT DATE: Sep 13, 2023 - 9:42am - cindy.rocha-ceron \\sme-inc\pz\WIP\092363.00\CAD\Design Files\BLD\Rev2\092363.00-BLD.dwg

BORING LOG TERMINOLOGY

UNIFIED SOIL CLASSIFICATION AND SYMBOL CHART

COARSE-GRAINED SOIL (more than 50% of material is larger than No. 200 sieve size.)			
GRAVEL More than 50% of coarse fraction larger than No. 4 sieve size	Clean Gravel (Less than 5% fines)	GW	Well-graded gravel; gravel-sand mixtures, little or no fines
		GP	Poorly-graded gravel; gravel-sand mixtures, little or no fines
	Gravel with fines (More than 12% fines)	GM	Silty gravel; gravel-sand-silt mixtures
		GC	Clayey gravel; gravel-sand-clay mixtures
SAND 50% or more of coarse fraction smaller than No. 4 sieve size	Clean Sand (Less than 5% fines)	SW	Well-graded sand; sand-gravel mixtures, little or no fines
		SP	Poorly graded sand; sand-gravel mixtures, little or no fines
	Sand with fines (More than 12% fines)	SM	Silty sand; sand-silt-gravel mixtures
		SC	Clayey sand; sand–clay-gravel mixtures
FINE-GRAINED SOIL (50% or more of material is smaller than No. 200 sieve size)			
SILT AND CLAY Liquid limit less than 50%		ML	Inorganic silt; sandy silt or gravelly silt with slight plasticity
		CL	Inorganic clay of low plasticity; lean clay, sandy clay, gravelly clay
		OL	Organic silt and organic clay of low plasticity
SILT AND CLAY Liquid limit 50% or greater		MH	Inorganic silt of high plasticity, elastic silt
		CH	Inorganic clay of high plasticity, fat clay
		OH	Organic silt and organic clay of high plasticity
HIGHLY ORGANIC SOIL		PT	Peat and other highly organic soil

OTHER MATERIAL SYMBOLS

Topsoil, Void, Sandstone, Asphalt, Glacial Till, Siltstone, Base, Coal, Limestone, Concrete, Shale, Fill

LABORATORY CLASSIFICATION CRITERIA

GW	$C_U = \frac{D_{60}}{D_{10}}$ greater than 4; $C_C = \frac{D_{30}^2}{D_{10} \times D_{60}}$ between 1 and 3	
GP	Not meeting all gradation requirements for GW	
GM	Atterberg limits below "A" line or PI less than 4	Above "A" line with PI between 4 and 7 are borderline cases requiring use of dual symbols
GC	Atterberg limits above "A" line with PI greater than 7	
SW	$C_U = \frac{D_{60}}{D_{10}}$ greater than 6; $C_C = \frac{D_{30}^2}{D_{10} \times D_{60}}$ between 1 and 3	
SP	Not meeting all gradation requirements for SW	
SM	Atterberg limits below "A" line or PI less than 4	Above "A" line with PI between 4 and 7 are borderline cases requiring use of dual symbols
SC	Atterberg limits above "A" line with PI greater than 7	

Determine percentages of sand and gravel from grain-size curve. Depending on percentage of fines (fraction smaller than No. 200 sieve size), coarse-grained soils are classified as follows:

Less than 5 percent……GW, GP, SW, SP
More than 12 percent……GM, GC, SM, SC
5 to 12 percent……Cases requiring dual symbols

- SP-SM or SW-SM (SAND with Silt or SAND with Silt and Gravel)
- SP-SC or SW-SC (SAND with Clay or SAND with Clay and Gravel)
- GP-GM or GW-GM (GRAVEL with Silt or GRAVEL with Silt and Sand)
- GP-GC or GW-GC (GRAVEL with Clay or GRAVEL with Clay and Sand)

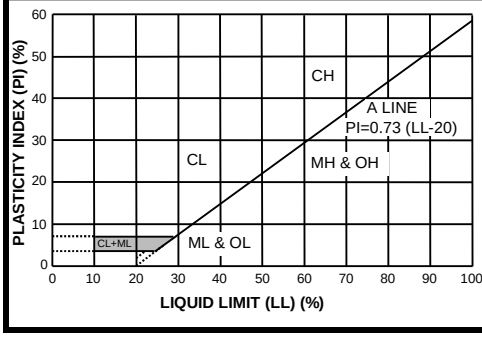
If the fines are CL-ML:

- SC-SM (SILTY CLAYEY SAND or SILTY CLAYEY SAND with Gravel)
- SM-SC (CLAYEY SILTY SAND or CLAYEY SILTY SAND with Gravel)
- GC-GM (SILTY CLAYEY GRAVEL or SILTY CLAYEY GRAVEL with Sand)

PARTICLE SIZES

Boulders	-	Greater than 12 inches
Cobbles	-	3 inches to 12 inches
Gravel- Coarse	-	3/4 inches to 3 inches
Fine	-	No. 4 to 3/4 inches
Sand- Coarse	-	No. 10 to No. 4
Medium	-	No. 40 to No. 10
Fine	-	No. 200 to No. 40
Silt and Clay	-	Less than (0.0074 mm)

PLASTICITY CHART



VISUAL MANUAL PROCEDURE

When laboratory tests are not performed to confirm the classification of soils exhibiting borderline classifications, the two possible classifications would be separated with a slash, as follows:

For soils where it is difficult to distinguish if it is a coarse or fine-grained soil:

- SC/CL (CLAYEY SAND to Sandy LEAN CLAY)
- SM/ML (SILTY SAND to SANDY SILT)
- GC/CL (CLAYEY GRAVEL to Gravelly LEAN CLAY)
- GM/ML (SILTY GRAVEL to Gravelly SILT)

For soils where it is difficult to distinguish if it is sand or gravel, poorly or well-graded sand or gravel; silt or clay; or plastic or non-plastic silt or clay:

- SP/GP or SW/GW (SAND with Gravel to GRAVEL with Sand)
- SC/GC (CLAYEY SAND with Gravel to CLAYEY GRAVEL with Sand)
- SM/GM (SILTY SAND with Gravel to SILTY GRAVEL with Sand)
- SW/SP (SAND or SAND with Gravel)
- GP/GW (GRAVEL or GRAVEL with Sand)
- SC/SM (CLAYEY to SILTY SAND)
- GM/GC (SILTY to CLAYEY GRAVEL)
- CL/ML (SILTY CLAY)
- ML/CL (CLAYEY SILT)
- CH/MH (FAT CLAY to ELASTIC SILT)
- CL/CH (LEAN to FAT CLAY)
- MH/ML (ELASTIC SILT to SILT)

DRILLING AND SAMPLING ABBREVIATIONS

2ST	–	Shelby Tube – 2" O.D.
3ST	–	Shelby Tube – 3" O.D.
AS	–	Auger Sample
GS	–	Grab Sample
LS	–	Liner Sample
NR	–	No Recovery
PM	–	Pressure Meter
RC	–	Rock Core diamond bit. NX size, except where noted
SB	–	Split Barrel Sample 1-3/8" I.D., 2" O.D., except where noted
VS	–	Vane Shear
WS	–	Wash Sample

OTHER ABBREVIATIONS

WOH	–	Weight of Hammer
WOR	–	Weight of Rods
SP	–	Soil Probe
PID	–	Photo Ionization Device
FID	–	Flame Ionization Device

DEPOSITIONAL FEATURES

Parting	–	as much as 1/16 inch thick
Seam	–	1/16 inch to 1/2 inch thick
Layer	–	1/2 inch to 12 inches thick
Stratum	–	greater than 12 inches thick
Pocket	–	deposit of limited lateral extent
Lens	–	lenticular deposit
Hardpan/Till	–	an unstratified, consolidated or cemented mixture of clay, silt, sand and/or gravel, the size/shape of the constituents vary widely
Lacustrine	–	soil deposited by lake water
Mottled	–	soil irregularly marked with spots of different colors that vary in number and size
Varved	–	alternating partings or seams of silt and/or clay
Occasional	–	one or less per foot of thickness
Frequent	–	more than one per foot of thickness
Interbedded	–	strata of soil or beds of rock lying between or alternating with other strata of a different nature

DESCRIPTION OF RELATIVE QUANTITIES

The visual-manual procedure uses the following terms to describe the relative quantities of notable foreign materials, gravel, sand or fines:

Trace	–	particles are present but estimated to be less than 5%
Few	–	5 to 10%
Little	–	15 to 25%
Some	–	30 to 45%
Mostly	–	50 to 100%

CLASSIFICATION TERMINOLOGY AND CORRELATIONS

Cohesionless Soils

Relative Density	N_{60} (N-Value) (Blows per foot)
Very Loose	0 to 4
Loose	5 to 10
Medium Dense	11 to 30
Dense	31 to 50
Very Dense	51 to 80
Extremely Dense	Over 81

Cohesive Soils

Consistency	N_{60} (N-Value) (Blows per foot)	Undrained Shear Strength (kips/ft^2)
Very Soft	<2	0.25 or less
Soft	2 - 4	> 0.25 to 0.50
Medium	5 - 8	> 0.50 to 1.0
Stiff	9 - 15	> 1.0 to 2.0
Very Stiff	16 - 30	> 2.0 to 4.0
Hard	> 30	> 4.0 or greater

Standard Penetration 'N-Value' = Blows per foot of a 140-pound hammer falling 30 inches on a 2-inch O.D. split barrel sampler, except where noted. N60 values as reported on boring logs represent raw N-values corrected for hammer efficiency only.

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BORING B 1

BORING DEPTH: 20 FEET

PROJECT NAME: West Fork Development
PROJECT NUMBER: 092363.00
CLIENT: Kittle Property Group, Inc.
PROJECT LOCATION: Columbus, Ohio

DATE STARTED: 4/11/23 **COMPLETED:** 4/11/23 **BORING METHOD:** 3 3/4" Hollow-stem Augers W/ AW Rod

DRILLER: RM/ SS **RIG NO.:** 635 (CME 55 ATV) **LOGGED BY:** BAM **CHECKED BY:** TPO

LATITUDE: 39.97978
LONGITUDE: -83.10023
ELEVATION: 841± FT NAVD 88

ELEVATION (FEET)	DEPTH (FEET)	PROFILE DESCRIPTION	SAMPLE TYPE/NO. INTERVAL	RECOVERY LENGTH (INCHES)	SPT BLOWS PER SIX INCHES
840	0	0.3 4 inches of TOPSOIL 840.7			
		Sandy LEAN CLAY with Gravel- Trace Roots- Brown- Hard to Very Stiff (CL)	SB1	6	6 10 14
			SB2	10	5 6 9
835	5	6.0 835.0			
		LEAN CLAY with Sand and Gravel- Brown- Hard (CL)	SB3	8	7 15 17
			SB4	16	8 14 19
830	10	13.0 828.0			
		LEAN CLAY with Sand and Trace Gravel- Gray- Hard (CL)	SB5	14	8 17 16
825	15		SB6	16	8 11 15
820	20	20.0 821.0 END OF BORING AT 20.0 FEET.			
815	25				

HAMMER EFFICIENCY: 83%
DATE: 8/5/2022
N_{60} -- ○

DRY DENSITY (pcf) -- ■
90 100 110 120
MOISTURE & ATTERBERG LIMITS (%)
PL MC LL
10 20 30 40

HAND PENE. ▽
TORVANE SHEAR ⊠
UNC. COMP. ●
VANE SHEAR (PK) ⊡
VANE SHEAR (REM) ×
TRIAXIAL (UU) ⊕
SHEAR STRENGTH (KSF)
1 2 3 4

REMARKS

GROUNDWATER & BACKFILL INFORMATION

GROUNDWATER WAS NOT ENCOUNTERED

BACKFILL METHOD: Auger Cuttings

NOTES: 1. The indicated stratification lines are approximate. The in-situ transitions between materials may be gradual.
2. The colors depicted on the symbolic profile are solely for visualization purposes and do not necessarily represent the in-situ colors encountered.

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BORING B 2

BORING DEPTH: 20 FEET

PROJECT NAME: West Fork Development
PROJECT NUMBER: 092363.00
CLIENT: Kittle Property Group, Inc.
PROJECT LOCATION: Columbus, Ohio

DATE STARTED: 4/11/23 **COMPLETED:** 4/11/23 **BORING METHOD:** 3 3/4" Hollow-stem Augers W/ AW Rod

DRILLER: RM/ SS **RIG NO.:** 635 (CME 55 ATV) **LOGGED BY:** BAM **CHECKED BY:** TPO

LATITUDE: 39.97945
LONGITUDE: -83.09992
ELEVATION: 838± FT NAVD 88

ELEV (FT)	DEPTH (FT)	PROFILE DESCRIPTION	SAMPLE TYPE/NO.	RECOVERY LENGTH (INCHES)	SPT BLOWS PER SIX INCHES
837.6	0.4	5 inches of TOPSOIL			
		Sandy LEAN CLAY with Gravel- Trace Roots- Brown- Very Stiff (CL)	SB1	12	3 9 6
834.5	3.5		SB2	12	3 5 7
			SB3	10	4 5 7
		LEAN CLAY with Sand- Brown- Very Stiff (CL)	SB4	10	4 6 7
824.5	13.5		SB5	16	4 5 6
		Sandy LEAN CLAY with Gravel- Brown and Gray- Stiff to Very Stiff (CL)			
818.5	19.5		SB6	18	17 24 20
818.0	20.0	CLAYEY SAND with Gravel- Brown- Wet- Very Dense (SC)			
		END OF BORING AT 20.0 FEET.			

HAMMER EFFICIENCY: 83%
DATE: 8/5/2022
N_{60} -- ○

DRY DENSITY (pcf) -- ■ (90 100 110 120)
MOISTURE & ATTERBERG LIMITS (%) (PL MC LL)
SHEAR STRENGTH (KSF) (1 2 3 4)
▽ HAND PENE.
⊠ TORVANE SHEAR
● UNC. COMP.
⊡ VANE SHEAR (PK)
× VANE SHEAR (REM)
⊕ TRIAXIAL (UU)

REMARKS

GROUNDWATER & BACKFILL INFORMATION

	DEPTH (FT)	ELEV (FT)
▽ **DURING BORING:**	17.5	820.5
▼ **AT END OF BORING:**	17.0	821.0

BACKFILL METHOD: Auger Cuttings

NOTES: 1. The indicated stratification lines are approximate. The in-situ transitions between materials may be gradual.
2. The colors depicted on the symbolic profile are solely for visualization purposes and do not necessarily represent the in-situ colors encountered.

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BORING B 3

BORING DEPTH: 20 FEET

PROJECT NAME: West Fork Development
PROJECT NUMBER: 092363.00
CLIENT: Kittle Property Group, Inc.
PROJECT LOCATION: Columbus, Ohio

DATE STARTED: 4/11/23 **COMPLETED:** 4/11/23 **BORING METHOD:** 3 3/4" Hollow-stem Augers W/ AW Rod

DRILLER: RM/ SS **RIG NO.:** 635 (CME 55 ATV) **LOGGED BY:** BAM **CHECKED BY:** TPO

LATITUDE: 39.98001
LONGITUDE: -83.09953
ELEVATION: 839± FT NAVD 88

PROFILE DESCRIPTION

ELEVATION (FEET)	DEPTH (FEET)		SAMPLE TYPE/NO. INTERVAL	RECOVERY LENGTH (INCHES)	SPT BLOWS PER SIX INCHES	REMARKS
839	0	0.4 5 inches of TOPSOIL				
		Sandy LEAN CLAY with Gravel- Brown- Very Stiff (CL)	SB1	18	3 6 8	Sample was too disturbed to perform a shear strength test.
835	3.5	835.5				
	5	Sandy LEAN CLAY with Gravel and Roots- Brown- Hard (CL)	SB2	6	8 18 15	
		7.0 832.0	SB3	16	8 13 12	Moisture and hand penetrometer taken on upper portion of sample.
830			SB4	18	9 9 11	
	10					
		LEAN CLAY with Sand and Gravel- Gray- Very Stiff to Hard (CL)	SB5	16	8 12 13	
825						
	15					
820			SB6	18	6 10 17	
	20	20.0 819.0				
		END OF BORING AT 20.0 FEET.				
815	25					

HAMMER EFFICIENCY: 83%
DATE: 8/5/2022
N_{60} -- ○

DRY DENSITY (pcf) -- ■
90 100 110 120

MOISTURE & ATTERBERG LIMITS (%)
PL MC LL
10 20 30 40

▽ HAND PENE.
☒ TORVANE SHEAR
● UNC. COMP.
⊡ VANE SHEAR (PK)
× VANE SHEAR (REM)
⊕ TRIAXIAL (UU)
SHEAR STRENGTH (KSF)
1 2 3 4

GROUNDWATER & BACKFILL INFORMATION

GROUNDWATER WAS NOT ENCOUNTERED

BACKFILL METHOD: Auger Cuttings

NOTES: 1. The indicated stratification lines are approximate. The in-situ transitions between materials may be gradual.
2. The colors depicted on the symbolic profile are solely for visualization purposes and do not necessarily represent the in-situ colors encountered.

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BORING B 4

BORING DEPTH: 20 FEET

PROJECT NAME: West Fork Development
PROJECT NUMBER: 092363.00
CLIENT: Kittle Property Group, Inc.
PROJECT LOCATION: Columbus, Ohio

DATE STARTED: 4/11/23 **COMPLETED:** 4/11/23 **BORING METHOD:** 3 3/4" Hollow-stem Augers W/ AW Rod

DRILLER: RM/ SS **RIG NO.:** 635 (CME 55 ATV) **LOGGED BY:** BAM **CHECKED BY:** TPO

LATITUDE: 39.97950
LONGITUDE: -83.09943
ELEVATION: 835± FT NAVD 88

HAMMER EFFICIENCY: 83%
DATE: 8/5/2022
N_{60} -- ○

DRY DENSITY (pcf) -- ■ (90 100 110 120)
MOISTURE & ATTERBERG LIMITS (%) (PL MC LL)

▽ HAND PENE.
⊠ TORVANE SHEAR
● UNC. COMP.
⊡ VANE SHEAR (PK)
× VANE SHEAR (REM)
⊕ TRIAXIAL (UU)
SHEAR STRENGTH (KSF)

ELEVATION (FEET)	DEPTH (FEET)	PROFILE DESCRIPTION	SAMPLE TYPE/NO. INTERVAL	RECOVERY LENGTH (INCHES)	SPT BLOWS PER SIX INCHES	REMARKS
835	0	0.7 8 inches of TOPSOIL 834.3				
		Sandy LEAN CLAY with Gravel- Trace Roots- Light Brown- Stiff (CL)	SB1	14	4 5 4	
		3.5 831.5				
830	5		3ST2	13		
		LEAN CLAY with Sand- Trace Roots- Stiff (CL)	SB3	12	3 4 4	
			SB4	18	4 4 6	
825	10	12.0 823.0				
		LEAN CLAY with Sand and Gravel- Brown- Very Stiff (CL)	SB5	18	6 10 12	Sample was too disturbed to perform a shear strength test.
820	15	18.0 817.0				
		LEAN CLAY with Sand and Gravel- Gray- Hard (CL)	SB6	14	10 15 18	
815	20	20.0 815.0 END OF BORING AT 20.0 FEET.				
810	25					

GROUNDWATER & BACKFILL INFORMATION

GROUNDWATER WAS NOT ENCOUNTERED

BACKFILL METHOD: Auger Cuttings

NOTES: 1. The indicated stratification lines are approximate. The in-situ transitions between materials may be gradual.
2. The colors depicted on the symbolic profile are solely for visualization purposes and do not necessarily represent the in-situ colors encountered.

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BORING B 5

BORING DEPTH: 25 FEET

PROJECT NAME: West Fork Development
PROJECT NUMBER: 092363.00
CLIENT: Kittle Property Group, Inc.
PROJECT LOCATION: Columbus, Ohio

DATE STARTED: 4/11/23 **COMPLETED:** 4/11/23 **BORING METHOD:** 3 3/4" Hollow-stem Augers W/ AW Rod

DRILLER: RM/ SS **RIG NO.:** 635 (CME 55 ATV) **LOGGED BY:** BAM **CHECKED BY:** TPO

LATITUDE: 39.98014
LONGITUDE: -83.09907
ELEVATION: 837± FT NAVD 88

PROFILE DESCRIPTION

0 — 836.8 — 0.3 — 3 inches of TOPSOIL

LEAN CLAY with Sand and Gravel- Brown- Very Stiff to Hard (CL)

7.0 — 830.0

LEAN CLAY with Sand and Gravel- Gray- Very Stiff (CL)

25.0 — 812.0

END OF BORING AT 25.0 FEET.

SAMPLE TYPE/NO. INTERVAL	RECOVERY LENGTH (INCHES)	SPT BLOWS PER SIX INCHES
SB1	14	4 7 17
SB2	16	7 7 7
SB3	18	8 17 13
SB4	18	10 10 12
SB5	14	4 7 10
SB6	14	8 9 13
SB7	16	5 8 10

HAMMER EFFICIENCY: 83%
DATE: 8/5/2022
N_{60} -- ○

DRY DENSITY (pcf) -- ■ (90 100 110 120)
MOISTURE & ATTERBERG LIMITS (%) (PL MC LL)
SHEAR STRENGTH (KSF) (1 2 3 4)
▽ HAND PENE.
⊠ TORVANE SHEAR
● UNC. COMP.
⊡ VANE SHEAR (PK)
✕ VANE SHEAR (REM)
⊕ TRIAXIAL (UU)

REMARKS: Sample was too disturbed to perform a shear strength test. Moisture testing performed on upper portion of sample.

GROUNDWATER & BACKFILL INFORMATION

	DEPTH (FT)	ELEV (FT)
▽ DURING BORING:	17.0	820.0
▼ AT END OF BORING:	Note 3	

BACKFILL METHOD: Auger Cuttings

NOTES:
1. The indicated stratification lines are approximate. The in-situ transitions between materials may be gradual.
2. The colors depicted on the symbolic profile are solely for visualization purposes and do not necessarily represent the in-situ colors encountered.
3. Groundwater was not encountered upon completion of drilling.

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BORING B 6

BORING DEPTH: 20 FEET

PROJECT NAME: West Fork Development
PROJECT NUMBER: 092363.00
CLIENT: Kittle Property Group, Inc.
PROJECT LOCATION: Columbus, Ohio

DATE STARTED: 4/11/23 **COMPLETED:** 4/11/23 **BORING METHOD:** 3 3/4" Hollow-stem Augers W/ AW Rod

DRILLER: RM/ SS **RIG NO.:** 635 (CME 55 ATV) **LOGGED BY:** BAM **CHECKED BY:** TPO

LATITUDE: 39.97973
LONGITUDE: -83.09892
ELEVATION: 833± FT NAVD 88

PROFILE DESCRIPTION

ELEVATION (FEET)	DEPTH (FEET)	PROFILE DESCRIPTION	SAMPLE TYPE/NO. INTERVAL	RECOVERY LENGTH (INCHES)	SPT BLOWS PER SIX INCHES	REMARKS
833	0	0.3 3 inches of TOPSOIL 832.8				
830	5	LEAN CLAY with Sand and Gravel- Brown- Hard (CL)	SB1	16	5 9 16	
			SB2	16	6 11 18	
		5.5 827.5	SB3	18	11 14 16	
825			SB4	14	11 14 16	
820	10	LEAN CLAY with Sand and Gravel- Gray- Hard to Very Stiff (CL)	SB5	16	4 7 11	Sample was too disturbed to perform a shear strength test.
815	15		SB6	16	4 8 10	Sample was too disturbed to perform a shear strength test.
813	20	20.0 813.0 END OF BORING AT 20.0 FEET.				
810	25					

HAMMER EFFICIENCY: 83%
DATE: 8/5/2022
N_{60} -- ○

DRY DENSITY (pcf) -- ■
90 100 110 120

MOISTURE & ATTERBERG LIMITS (%)
PL MC LL
10 20 30 40

▽ HAND PENE.
☒ TORVANE SHEAR
● UNC. COMP.
⊡ VANE SHEAR (PK)
✕ VANE SHEAR (REM)
⊕ TRIAXIAL (UU)
SHEAR STRENGTH (KSF)
1 2 3 4

GROUNDWATER & BACKFILL INFORMATION

GROUNDWATER WAS NOT ENCOUNTERED

BACKFILL METHOD: Auger Cuttings

NOTES: 1. The indicated stratification lines are approximate. The in-situ transitions between materials may be gradual.
2. The colors depicted on the symbolic profile are solely for visualization purposes and do not necessarily represent the in-situ colors encountered.

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BORING B 7

BORING DEPTH: 20 FEET

PROJECT NAME: West Fork Development
PROJECT NUMBER: 092363.00
CLIENT: Kittle Property Group, Inc.
PROJECT LOCATION: Columbus, Ohio

DATE STARTED: 4/11/23 **COMPLETED:** 4/11/23 **BORING METHOD:** 3 3/4" Hollow-stem Augers W/ AW Rod

DRILLER: RM/ SS **RIG NO.:** 635 (CME 55 ATV) **LOGGED BY:** BAM **CHECKED BY:** TPO

LATITUDE: 39.98024
LONGITUDE: -83.09849
ELEVATION: 836± FT NAVD 88

ELEV (FT)	DEPTH (FT)	PROFILE DESCRIPTION	SAMPLE TYPE/NO.	RECOVERY LENGTH (INCHES)	SPT BLOWS PER SIX INCHES
835.6	0.4	5 inches of TOPSOIL			
835	0	LEAN CLAY with Sand- Brown- Stiff (CL)	SB1	12	3 3 6
832.5	3.5		SB2	14	2 3 9
830	5	CLAYEY SAND with Gravel- Brown- Wet- Medium Dense to Dense (SC)	SB3	18	12 16 14
827.5	8.5		SB4	14	7 9 11
825	10	LEAN CLAY with Sand and Gravel- Gray- Very Stiff to Hard (CL)	SB5	16	8 14 20
820	15		SB6	12	27 23 26
816.0	20.0	END OF BORING AT 20.0 FEET.			
815	20				
810	25				

HAMMER EFFICIENCY: 83%
DATE: 8/5/2022
N_{60} -- ○

DRY DENSITY (pcf) -- ■ (90 100 110 120)
MOISTURE & ATTERBERG LIMITS (%) PL MC LL (10 20 30 40)
SHEAR STRENGTH (KSF) (1 2 3 4)
▽ HAND PENE.
⊠ TORVANE SHEAR
● UNC. COMP.
⊡ VANE SHEAR (PK)
× VANE SHEAR (REM)
⊕ TRIAXIAL (UU)

REMARKS

GROUNDWATER & BACKFILL INFORMATION

	DEPTH (FT)	ELEV (FT)
▽ DURING BORING:	4.5	831.5
▼ AT END OF BORING:	16.0	820.0

BACKFILL METHOD: Auger Cuttings

NOTES: 1. The indicated stratification lines are approximate. The in-situ transitions between materials may be gradual.
2. The colors depicted on the symbolic profile are solely for visualization purposes and do not necessarily represent the in-situ colors encountered.

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BORING B 8

BORING DEPTH: 20 FEET

PROJECT NAME: West Fork Development
PROJECT NUMBER: 092363.00
CLIENT: Kittle Property Group, Inc.
PROJECT LOCATION: Columbus, Ohio

DATE STARTED: 4/11/23 **COMPLETED:** 4/11/23 **BORING METHOD:** 3 3/4" Hollow-stem Augers W/ AW Rod

DRILLER: RM/ SS **RIG NO.:** 635 (CME 55 ATV) **LOGGED BY:** BAM **CHECKED BY:** TPO

LATITUDE: 39.98043
LONGITUDE: -83.09797
ELEVATION: 832± FT NAVD 88

PROFILE DESCRIPTION

0.3 4 inches of TOPSOIL — 831.7

LEAN CLAY with Sand and Gravel- Brown- Stiff to Hard (CL)

14.0 — 818.0

LEAN CLAY with Sand and Gravel- Gray- Hard (CL)

20.0 — 812.0

END OF BORING AT 20.0 FEET.

SAMPLE TYPE/NO. INTERVAL	RECOVERY LENGTH (INCHES)	SPT BLOWS PER SIX INCHES
SB1	12	3 4 5
3ST2	18	
SB3	18	6 6 7
SB4	16	7 16 20
SB5	18	8 13 17
SB6	18	13 19 23

HAMMER EFFICIENCY: 83%
DATE: 8/5/2022
N_{60} -- ○

DRY DENSITY (pcf) -- ■ 90 100 110 120
MOISTURE & ATTERBERG LIMITS (%) PL MC LL 10 20 30 40

▽ HAND PENE.
⊠ TORVANE SHEAR
● UNC. COMP.
⊡ VANE SHEAR (PK)
× VANE SHEAR (REM)
⊕ TRIAXIAL (UU)
SHEAR STRENGTH (KSF) 1 2 3 4

REMARKS

GROUNDWATER & BACKFILL INFORMATION

	DEPTH (FT)	ELEV (FT)
▽ **DURING BORING:**	18.0	814.0
▼ **AT END OF BORING:**	Note 3	

BACKFILL METHOD: Auger Cuttings

NOTES:
1. The indicated stratification lines are approximate. The in-situ transitions between materials may be gradual.
2. The colors depicted on the symbolic profile are solely for visualization purposes and do not necessarily represent the in-situ colors encountered.
3. Groundwater was not encountered upon completion of drilling.

9/15/23 2:07:32 PM

BORING B 9

BORING DEPTH: 20 FEET

PROJECT NAME: West Fork Development
PROJECT NUMBER: 092363.00
CLIENT: Kittle Property Group, Inc.
PROJECT LOCATION: Columbus, Ohio

DATE STARTED: 4/11/23 **COMPLETED:** 4/11/23 **BORING METHOD:** 3 3/4" Hollow-stem Augers W/ AW Rod

DRILLER: RM/ SS **RIG NO.:** 635 (CME 55 ATV) **LOGGED BY:** BAM **CHECKED BY:** TPO

LATITUDE: 39.97981
LONGITUDE: -83.09832
ELEVATION: 834± FT NAVD 88

ELEVATION (FEET)	DEPTH (FEET)	PROFILE DESCRIPTION	SAMPLE TYPE/NO. INTERVAL	RECOVERY LENGTH (INCHES)	SPT BLOWS PER SIX INCHES
833.8	0	0.3 3 inches of TOPSOIL			
830	5	LEAN CLAY with Sand and Gravel- Brown- Very Stiff to Hard (CL)	SB1	14	3 8 15
			SB2	16	4 7 9
			SB3	18	10 16 23
826.0		8.0			
825	10		SB4	18	10 17 18
820	15	LEAN CLAY with Sand and Gravel- Gray- Hard (CL)	SB5	18	10 13 19
815			SB6	16	11 17 19
814.0	20	20.0 END OF BORING AT 20.0 FEET.			
810	25				

HAMMER EFFICIENCY: 83%
DATE: 8/5/2022
N_{60} -- ○

DRY DENSITY (pcf) -- ■ (90 100 110 120)
MOISTURE & ATTERBERG LIMITS (%) (PL MC LL) (10 20 30 40)
SHEAR STRENGTH (KSF) (1 2 3 4)
▽ HAND PENE.
⊠ TORVANE SHEAR
● UNC. COMP.
⊡ VANE SHEAR (PK)
× VANE SHEAR (REM)
⊕ TRIAXIAL (UU)

REMARKS

GROUNDWATER & BACKFILL INFORMATION

GROUNDWATER WAS NOT ENCOUNTERED

BACKFILL METHOD: Auger Cuttings

NOTES: 1. The indicated stratification lines are approximate. The in-situ transitions between materials may be gradual.
2. The colors depicted on the symbolic profile are solely for visualization purposes and do not necessarily represent the in-situ colors encountered.

9/15/23 2:07:34 PM

BORING B10

BORING DEPTH: 20 FEET

PROJECT NAME: West Fork Development
PROJECT NUMBER: 092363.00
CLIENT: Kittle Property Group, Inc.
PROJECT LOCATION: Columbus, Ohio

DATE STARTED: 4/11/23 **COMPLETED:** 4/11/23 **BORING METHOD:** 3 3/4" Hollow-stem Augers W/ AW Rod

DRILLER: RM/ SS **RIG NO.:** 635 (CME 55 ATV) **LOGGED BY:** BAM **CHECKED BY:** TPO

LATITUDE: 39.98003
LONGITUDE: -83.09779
ELEVATION: 833± FT NAVD 88

PROFILE DESCRIPTION

0 — 6.3 — 3 inches of TOPSOIL — 832.8

LEAN CLAY with Sand and Gravel- Brown- Very Stiff to Hard (CL)

13.5 — 819.5

LEAN CLAY with Sand and Gravel- Gray- Hard (CL)

20.0 — 813.0

END OF BORING AT 20.0 FEET.

SAMPLE TYPE/NO. INTERVAL	RECOVERY LENGTH (INCHES)	SPT BLOWS PER SIX INCHES
SB1	18	4 5 9
SB2	14	6 10 10
SB3	16	6 12 15
SB4	18	9 13 21
SB5	18	11 15 16
SB6	18	9 15 18

HAMMER EFFICIENCY: 83%
DATE: 8/5/2022
N_{60} -- ○

DRY DENSITY (pcf) -- ■ 90 100 110 120
MOISTURE & ATTERBERG LIMITS (%) PL MC LL 10 20 30 40

▽ HAND PENE.
⊠ TORVANE SHEAR
● UNC. COMP.
⊡ VANE SHEAR (PK)
× VANE SHEAR (REM)
⊕ TRIAXIAL (UU)
SHEAR STRENGTH (KSF) 1 2 3 4

REMARKS

GROUNDWATER & BACKFILL INFORMATION

GROUNDWATER WAS NOT ENCOUNTERED

BACKFILL METHOD: Auger Cuttings

NOTES: 1. The indicated stratification lines are approximate. The in-situ transitions between materials may be gradual.
2. The colors depicted on the symbolic profile are solely for visualization purposes and do not necessarily represent the in-situ colors encountered.

9/15/23 2:07:35 PM

BORING B11

BORING DEPTH: 20 FEET

PROJECT NAME: West Fork Development
PROJECT NUMBER: 092363.00
CLIENT: Kittle Property Group, Inc.
PROJECT LOCATION: Columbus, Ohio
DATE STARTED: 4/11/23 **COMPLETED:** 4/11/23
BORING METHOD: 3 3/4" Hollow-stem Augers W/ AW Rod
DRILLER: RM/ SS **RIG NO.:** 635 (CME 55 ATV)
LOGGED BY: BAM **CHECKED BY:** TPO

LATITUDE: 39.98054
LONGITUDE: -83.09751
ELEVATION: 831± FT NAVD 88

ELEVATION (FEET)	DEPTH (FEET)	PROFILE DESCRIPTION	SAMPLE TYPE/NO. INTERVAL	RECOVERY LENGTH (INCHES)	SPT BLOWS PER SIX INCHES	REMARKS
830	0	0.6 7 inches of TOPSOIL 830.4				
		LEAN CLAY with Sand- Trace Roots- Brown- Medium to Stiff (CL)	SB1	14	3 3 3	Sample was too disturbed to perform a shear strength test.
	3.5	827.5				
			SB2	16	4 7 12	
825	5		SB3	16	4 7 9	
		LEAN CLAY with Sand and Gravel- Brown- Very Stiff to Hard (CL)	SB4	18	4 10 19	
820	10	13.0 818.0				
			SB5	18	5 6 8	
815	15	LEAN CLAY with Sand and Gravel- Gray- Very Stiff (CL)				
			SB6	18	6 8 9	
810	20	20.0 811.0 END OF BORING AT 20.0 FEET.				
805	25					

HAMMER EFFICIENCY: 83%
DATE: 8/5/2022
N_{60} -- ○

DRY DENSITY (pcf) -- ■
90 100 110 120
MOISTURE & ATTERBERG LIMITS (%)
PL MC LL
10 20 30 40

▽ HAND PENE.
☒ TORVANE SHEAR
● UNC. COMP.
⊡ VANE SHEAR (PK)
× VANE SHEAR (REM)
⊕ TRIAXIAL (UU)
SHEAR STRENGTH (KSF)
1 2 3 4

GROUNDWATER & BACKFILL INFORMATION

GROUNDWATER WAS NOT ENCOUNTERED

BACKFILL METHOD: Auger Cuttings

NOTES: 1. The indicated stratification lines are approximate. The in-situ transitions between materials may be gradual.
2. The colors depicted on the symbolic profile are solely for visualization purposes and do not necessarily represent the in-situ colors encountered.

9/15/23 2:07:36 PM

BORING B12

BORING DEPTH: 25 FEET

PROJECT NAME: West Fork Development
PROJECT NUMBER: 092363.00
CLIENT: Kittle Property Group, Inc.
PROJECT LOCATION: Columbus, Ohio

DATE STARTED: 4/11/23 **COMPLETED:** 4/11/23 **BORING METHOD:** 3 3/4" Hollow-stem Augers W/ AW Rod

DRILLER: RM/ SS **RIG NO.:** 635 (CME 55 ATV) **LOGGED BY:** BAM **CHECKED BY:** TPO

LATITUDE: 39.98042
LONGITUDE: -83.09619
ELEVATION: 821± FT NAVD 88

HAMMER EFFICIENCY: 83%
DATE: 8/5/2022
N_{60} -- ○

DRY DENSITY (pcf) -- ■ (90 100 110 120)
MOISTURE & ATTERBERG LIMITS (%) (PL MC LL)

▽ HAND PENE.
⊠ TORVANE SHEAR
● UNC. COMP.
⊡ VANE SHEAR (PK)
× VANE SHEAR (REM)
⊕ TRIAXIAL (UU)
SHEAR STRENGTH (KSF)

ELEVATION (FEET)	DEPTH (FEET)	PROFILE DESCRIPTION	SAMPLE TYPE/NO. INTERVAL	RECOVERY LENGTH (INCHES)	SPT BLOWS PER SIX INCHES	REMARKS
820	0	Sandy LEAN CLAY with Gravel- Brown- Hard (CL)	SB1	14	8 10 14	
			SB2	16	6 8 11	
815	5		SB3	18	5 7 9	
			SB4	16	5 7 9	
810	10	LEAN CLAY with Sand and Gravel- Gray- Very Stiff to Hard (CL)	SB5	16	7 8 9	
805	15		SB6	18	7 9 10	
800	20		SB7	18	6 8 11	
795	25	END OF BORING AT 25.0 FEET.				

3.0 818.0
25.0 796.0

GROUNDWATER & BACKFILL INFORMATION

GROUNDWATER WAS NOT ENCOUNTERED

BACKFILL METHOD: Auger Cuttings

NOTES: 1. The indicated stratification lines are approximate. The in-situ transitions between materials may be gradual.
2. The colors depicted on the symbolic profile are solely for visualization purposes and do not necessarily represent the in-situ colors encountered.

9/15/23 2:07:37 PM

BORING B13

BORING DEPTH: 20 FEET

PROJECT NAME: West Fork Development
PROJECT NUMBER: 092363.00
CLIENT: Kittle Property Group, Inc.
PROJECT LOCATION: Columbus, Ohio

DATE STARTED: 4/13/23 **COMPLETED:** 4/13/23 **BORING METHOD:** 3 3/4" Hollow-stem Augers W/ AW Rod

DRILLER: RM/ SS **RIG NO.:** 635 (CME 55 ATV) **LOGGED BY:** BAM **CHECKED BY:** TPO

LATITUDE: 39.98022
LONGITUDE: -83.09557
ELEVATION: 813± FT NAVD 88

PROFILE DESCRIPTION

ELEVATION (FEET)	DEPTH (FEET)			SAMPLE TYPE/NO. INTERVAL	RECOVERY LENGTH (INCHES)	SPT BLOWS PER SIX INCHES
812.5	0	0.5	6 inches of TOPSOIL			
			LEAN CLAY with Sand and Gravel- Brown- Very Stiff to Hard (CL)	SB1	10	4 9 10
810				SB2	14	3 6 6
	5			SB3	18	11 14 15
805		9.0		SB4	12	11 17 19
804.0	10					
800			LEAN CLAY with Sand and Gravel- Gray- Hard (CL)	SB5	18	11 13 14
	15					
795				SB6	16	7 11 14
793.0	20	20.0	END OF BORING AT 20.0 FEET.			
790						
	25					

HAMMER EFFICIENCY: 83%
DATE: 8/5/2022
N_{60} -- ○

DRY DENSITY (pcf) -- ■
90 100 110 120

MOISTURE & ATTERBERG LIMITS (%)
PL MC LL
10 20 30 40

HAND PENE. ▽
TORVANE SHEAR ⊠
UNC. COMP. ●
VANE SHEAR (PK) ⊡
VANE SHEAR (REM) ×
TRIAXIAL (UU) ⊕
SHEAR STRENGTH (KSF)
1 2 3 4

REMARKS
Sample was too disturbed to perform a shear strength test.
Sample was too disturbed to perform a shear strength test.
Sample was too disturbed to perform a shear strength test.

GROUNDWATER & BACKFILL INFORMATION

GROUNDWATER WAS NOT ENCOUNTERED

BACKFILL METHOD: Auger Cuttings

NOTES: 1. The indicated stratification lines are approximate. The in-situ transitions between materials may be gradual.
2. The colors depicted on the symbolic profile are solely for visualization purposes and do not necessarily represent the in-situ colors encountered.

9/15/23 2:07:37 PM

BORING B14

BORING DEPTH: 20 FEET

PROJECT NAME: West Fork Development
PROJECT NUMBER: 092363.00
CLIENT: Kittle Property Group, Inc.
PROJECT LOCATION: Columbus, Ohio

DATE STARTED: 4/12/23 **COMPLETED:** 4/12/23 **BORING METHOD:** 3 3/4" Hollow-stem Augers W/ AW Rod

DRILLER: RM/ SS **RIG NO.:** 635 (CME 55 ATV) **LOGGED BY:** BAM **CHECKED BY:** TPO

LATITUDE: 39.98078
LONGITUDE: -83.09527
ELEVATION: 818± FT NAVD 88

ELEVATION (FEET)	DEPTH (FEET)	PROFILE DESCRIPTION	SAMPLE TYPE/NO. INTERVAL	RECOVERY LENGTH (INCHES)	SPT BLOWS PER SIX INCHES
815	0	Sandy LEAN CLAY- Trace Roots- Brown- Very Stiff (CL)	SB1	14	2 5 7
	3.5 / 814.5		SB2	18	4 6 9
810	5	LEAN CLAY with Sand and Gravel- Brown- Very Stiff to Hard (CL)	SB3	18	6 8 10
			SB4	18	4 5 7
805	10				
	13.0 / 805.0		SB5	16	3 4 5
800	15	LEAN CLAY with Sand and Gravel- Gray- Stiff (CL)			
	20.0 / 798.0		SB6	18	3 4 6
795	20	END OF BORING AT 20.0 FEET.			
	25				

HAMMER EFFICIENCY: 83%
DATE: 8/5/2022
N_{60} -- ○

DRY DENSITY (pcf) -- ■ (90 100 110 120)
MOISTURE & ATTERBERG LIMITS (%) (PL MC LL) (10 20 30 40)
SHEAR STRENGTH (KSF) (1 2 3 4)
▽ HAND PENE.
⊠ TORVANE SHEAR
● UNC. COMP.
⊡ VANE SHEAR (PK)
× VANE SHEAR (REM)
⊕ TRIAXIAL (UU)

REMARKS

GROUNDWATER & BACKFILL INFORMATION

GROUNDWATER WAS NOT ENCOUNTERED

BACKFILL METHOD: Auger Cuttings

NOTES: 1. The indicated stratification lines are approximate. The in-situ transitions between materials may be gradual.
2. The colors depicted on the symbolic profile are solely for visualization purposes and do not necessarily represent the in-situ colors encountered.

9/15/23 2:07:38 PM

BORING B15

BORING DEPTH: 20 FEET

PROJECT NAME: West Fork Development
PROJECT NUMBER: 092363.00
CLIENT: Kittle Property Group, Inc.
PROJECT LOCATION: Columbus, Ohio

DATE STARTED: 4/13/23 **COMPLETED:** 4/13/23 **BORING METHOD:** 3 3/4" Hollow-stem Augers W/ AW Rod

DRILLER: RM/ SS **RIG NO.:** 635 (CME 55 ATV) **LOGGED BY:** BAM **CHECKED BY:** TPO

LATITUDE: 39.98084
LONGITUDE: -83.09469
ELEVATION: 812± FT NAVD 88

ELEVATION (FEET)	DEPTH (FEET)	PROFILE DESCRIPTION	SAMPLE TYPE/NO. INTERVAL	RECOVERY LENGTH (INCHES)	SPT BLOWS PER SIX INCHES
811.2	0	10 inches of TOPSOIL			
810	0.8	Sandy LEAN CLAY with Gravel- Trace Roots- Brown- Very Stiff (CL)	SB1	10	3 6 7
808.5	3.5	LEAN CLAY- Brown- Very Stiff to Hard (CL)	SB2	14	8 9 12
805	5		SB3	6	9 14 15
803.5	8.5	LEAN CLAY with Sand and Gravel- Brown- Hard (CL)	SB4	16	12 11 15
800	10				
798.0	14.0	LEAN CLAY with Sand and Gravel- Gray- Hard (CL)	SB5	18	6 14 18
795	15				
793.0	19.0	Fine to Coarse SAND with Gravel- Gray- Wet- Dense (SP)	SB6	18	12 14 15
792.0	20.0	END OF BORING AT 20.0 FEET.			
790	20				
	25				

HAMMER EFFICIENCY: 83%
DATE: 8/5/2022
N_{60} -- ○

DRY DENSITY (pcf) -- ■ (90 100 110 120)
MOISTURE & ATTERBERG LIMITS (%) (PL MC LL) (10 20 30 40)

▽ HAND PENE.
⊠ TORVANE SHEAR
● UNC. COMP.
⊡ VANE SHEAR (PK)
× VANE SHEAR (REM)
⊕ TRIAXIAL (UU)
SHEAR STRENGTH (KSF) (1 2 3 4)

REMARKS

SB1	18	18
SB2	29	23
SB3	40	17
SB4	36	13
SB5	44	12
SB6	40	12

4.5+ (SB3, SB4, SB5, SB6)

GROUNDWATER & BACKFILL INFORMATION

GROUNDWATER WAS NOT ENCOUNTERED

BACKFILL METHOD: Auger Cuttings

NOTES: 1. The indicated stratification lines are approximate. The in-situ transitions between materials may be gradual.
2. The colors depicted on the symbolic profile are solely for visualization purposes and do not necessarily represent the in-situ colors encountered.

9/15/23 2:07:39 PM

BORING S 1

BORING DEPTH: 10 FEET

PROJECT NAME: West Fork Development
PROJECT NUMBER: 092363.00
CLIENT: Kittle Property Group, Inc.
PROJECT LOCATION: Columbus, Ohio

DATE STARTED: 4/10/23 **COMPLETED:** 4/10/23 **BORING METHOD:** 3 3/4" Hollow-stem Augers W/ AW Rod

DRILLER: RM/ SS **RIG NO.:** 635 (CME 55 ATV) **LOGGED BY:** BAM **CHECKED BY:** TPO

LATITUDE: 39.98028
LONGITUDE: -83.09942
ELEVATION: 841± FT NAVD 88

ELEVATION (FEET)	DEPTH (FEET)	PROFILE DESCRIPTION	SAMPLE TYPE/NO. INTERVAL	RECOVERY LENGTH (INCHES)	SPT BLOWS PER SIX INCHES	REMARKS
840	0	0.3 4 inches of TOPSOIL 840.7				
		LEAN CLAY with Roots- Brown- Stiff (CL)	SB1	12	2 3 4	
	3.5	837.5				
	5		SB2	14	3 3 7	
835		Sandy LEAN CLAY- Brown- Stiff to Very Stiff (CL)	SB3	12	10 10 5	Sample was too disturbed to perform a shear strength test.
	8.5	832.5				
	10	Sandy LEAN CLAY with Gravel- Brown- Very Stiff (CL) 10.0 831.0	SB4	18	4 6 6	
		END OF BORING AT 10.0 FEET.				
830						
	15					
825						
	20					
820						
	25					
815						

HAMMER EFFICIENCY: 83%
DATE: 8/5/2022
N_{60} -- ○
10 20 30 40

DRY DENSITY (pcf) -- ■
90 100 110 120
MOISTURE & ATTERBERG LIMITS (%)
PL MC LL
10 20 30 40

▽ HAND PENE.
⊠ TORVANE SHEAR
● UNC. COMP.
⊡ VANE SHEAR (PK)
× VANE SHEAR (REM)
⊕ TRIAXIAL (UU)
SHEAR STRENGTH (KSF)
1 2 3 4

GROUNDWATER & BACKFILL INFORMATION

GROUNDWATER WAS NOT ENCOUNTERED

BACKFILL METHOD: Auger Cuttings

NOTES: 1. The indicated stratification lines are approximate. The in-situ transitions between materials may be gradual.
2. The colors depicted on the symbolic profile are solely for visualization purposes and do not necessarily represent the in-situ colors encountered.

9/15/23 2:07:40 PM

BORING S 2

BORING DEPTH: 10 FEET

PROJECT NAME: West Fork Development
PROJECT NUMBER: 092363.00
CLIENT: Kittle Property Group, Inc.
PROJECT LOCATION: Columbus, Ohio

DATE STARTED: 4/12/23 **COMPLETED:** 4/12/23 **BORING METHOD:** 3 3/4" Hollow-stem Augers W/ AW Rod

DRILLER: RM/ SS **RIG NO.:** 635 (CME 55 ATV) **LOGGED BY:** BAM **CHECKED BY:** TPO

LATITUDE: 39.98027
LONGITUDE: -83.09674
ELEVATION: 831± FT NAVD 88

PROFILE DESCRIPTION

0.3 4 inches of TOPSOIL 830.7

LEAN CLAY with Sand and Gravel- Brown- Stiff to Very Stiff (CL)

8.0 823.0

LEAN CLAY with Sand and Gravel- Gray- Hard (CL)

10.0 821.0

END OF BORING AT 10.0 FEET.

SAMPLE TYPE/NO. INTERVAL	RECOVERY LENGTH (INCHES)	SPT BLOWS PER SIX INCHES
SB1	12	3 4 4
SB2	6	4 6 6
SB3	16	4 9 9
SB4	16	8 17 18

HAMMER EFFICIENCY: 83%
DATE: 8/5/2022
N_{60} -- ○

DRY DENSITY (pcf) -- ■ 90 100 110 120
MOISTURE & ATTERBERG LIMITS (%) PL MC LL 10 20 30 40

▽ HAND PENE.
⊠ TORVANE SHEAR
● UNC. COMP.
⊡ VANE SHEAR (PK)
× VANE SHEAR (REM)
⊕ TRIAXIAL (UU)
SHEAR STRENGTH (KSF) 1 2 3 4

REMARKS

Sample was too disturbed to perform a shear strength test.

GROUNDWATER & BACKFILL INFORMATION

	DEPTH (FT)	ELEV (FT)
▽ DURING BORING:	5.5	825.5
▼ AT END OF BORING:	Note 3	

BACKFILL METHOD: Auger Cuttings

NOTES:
1. The indicated stratification lines are approximate. The in-situ transitions between materials may be gradual.
2. The colors depicted on the symbolic profile are solely for visualization purposes and do not necessarily represent the in-situ colors encountered.
3. Groundwater was not encountered upon completion of drilling.

9/15/23 2:07:41 PM

BORING S 3

BORING DEPTH: 10 FEET

PROJECT NAME: West Fork Development
PROJECT NUMBER: 092363.00
CLIENT: Kittle Property Group, Inc.
PROJECT LOCATION: Columbus, Ohio

DATE STARTED: 4/13/23 **COMPLETED:** 4/13/23 **BORING METHOD:** 3 3/4" Hollow-stem Augers W/ AW Rod

DRILLER: RM/ SS **RIG NO.:** 635 (CME 55 ATV) **LOGGED BY:** BAM **CHECKED BY:** TPO

LATITUDE: 39.98041
LONGITUDE: -83.09509
ELEVATION: 813± FT NAVD 88

PROFILE DESCRIPTION

0.7 8 inches of TOPSOIL 812.3

Sandy LEAN CLAY with Gravel-Sand layer at 7 feet- Brown- Hard to Stiff (CL)

10.0 803.0 END OF BORING AT 10.0 FEET.

SAMPLE TYPE/NO. INTERVAL	RECOVERY LENGTH (INCHES)	SPT BLOWS PER SIX INCHES
SB1	8	14 17 8
SB2	14	7 5 6
SB3	18	6 9 12
SB4	4	18 19 17

HAMMER EFFICIENCY: 83%
DATE: 8/5/2022
N_{60} -- ○

DRY DENSITY (pcf) -- ■ (90 100 110 120)
MOISTURE & ATTERBERG LIMITS (%) PL MC LL (10 20 30 40)
SHEAR STRENGTH (KSF) (1 2 3 4)
▽ HAND PENE.
⊠ TORVANE SHEAR
● UNC. COMP.
⊡ VANE SHEAR (PK)
× VANE SHEAR (REM)
⊕ TRIAXIAL (UU)

REMARKS: Sample was too disturbed to perform a shear strength test.

GROUNDWATER & BACKFILL INFORMATION

GROUNDWATER WAS NOT ENCOUNTERED

BACKFILL METHOD: Auger Cuttings

NOTES: 1. The indicated stratification lines are approximate. The in-situ transitions between materials may be gradual.
2. The colors depicted on the symbolic profile are solely for visualization purposes and do not necessarily represent the in-situ colors encountered.

9/15/23 2:07:42 PM

BORING S 4

BORING DEPTH: 10 FEET

PROJECT NAME: West Fork Development
PROJECT NUMBER: 092363.00
CLIENT: Kittle Property Group, Inc.
PROJECT LOCATION: Columbus, Ohio

DATE STARTED: 4/13/23 **COMPLETED:** 4/13/23 **BORING METHOD:** 3 3/4" Hollow-stem Augers W/ AW Rod

DRILLER: RM/ SS **RIG NO.:** 635 (CME 55 ATV) **LOGGED BY:** BAM **CHECKED BY:** TPO

LATITUDE: 39.98102
LONGITUDE: -83.09524
ELEVATION: 810± FT NAVD 88

ELEVATION (FEET)	DEPTH (FEET)	PROFILE DESCRIPTION	SAMPLE TYPE/NO. INTERVAL	RECOVERY LENGTH (INCHES)	SPT BLOWS PER SIX INCHES
810	0	0.9 11 inches of TOPSOIL 809.1			
		LEAN CLAY with Wood and Roots- Brown and Black- Medium (CL)	SB1		3 1 4
		3.5 806.5			
805	5	LEAN CLAY with Sand and Gravel- Brown- Very Stiff (CL)	SB2		3 6 8
		5.5 804.5			
		LEAN CLAY with Sand and Gravel- Gray- Very Stiff to Stiff (CL)	SB3		4 5 7
			SB4		4 5 6
800	10	10.0 800.0 END OF BORING AT 10.0 FEET.			
795	15				
790	20				
785	25				

HAMMER EFFICIENCY: 83%
DATE: 8/5/2022
N_{60} -- ○

DRY DENSITY (pcf) -- ■ (90 100 110 120)
MOISTURE & ATTERBERG LIMITS (%) PL MC LL (10 20 30 40)
SHEAR STRENGTH (KSF) (1 2 3 4)
▽ HAND PENE.
⊠ TORVANE SHEAR
● UNC. COMP.
⊡ VANE SHEAR (PK)
× VANE SHEAR (REM)
⊕ TRIAXIAL (UU)

REMARKS

GROUNDWATER & BACKFILL INFORMATION

GROUNDWATER WAS NOT ENCOUNTERED

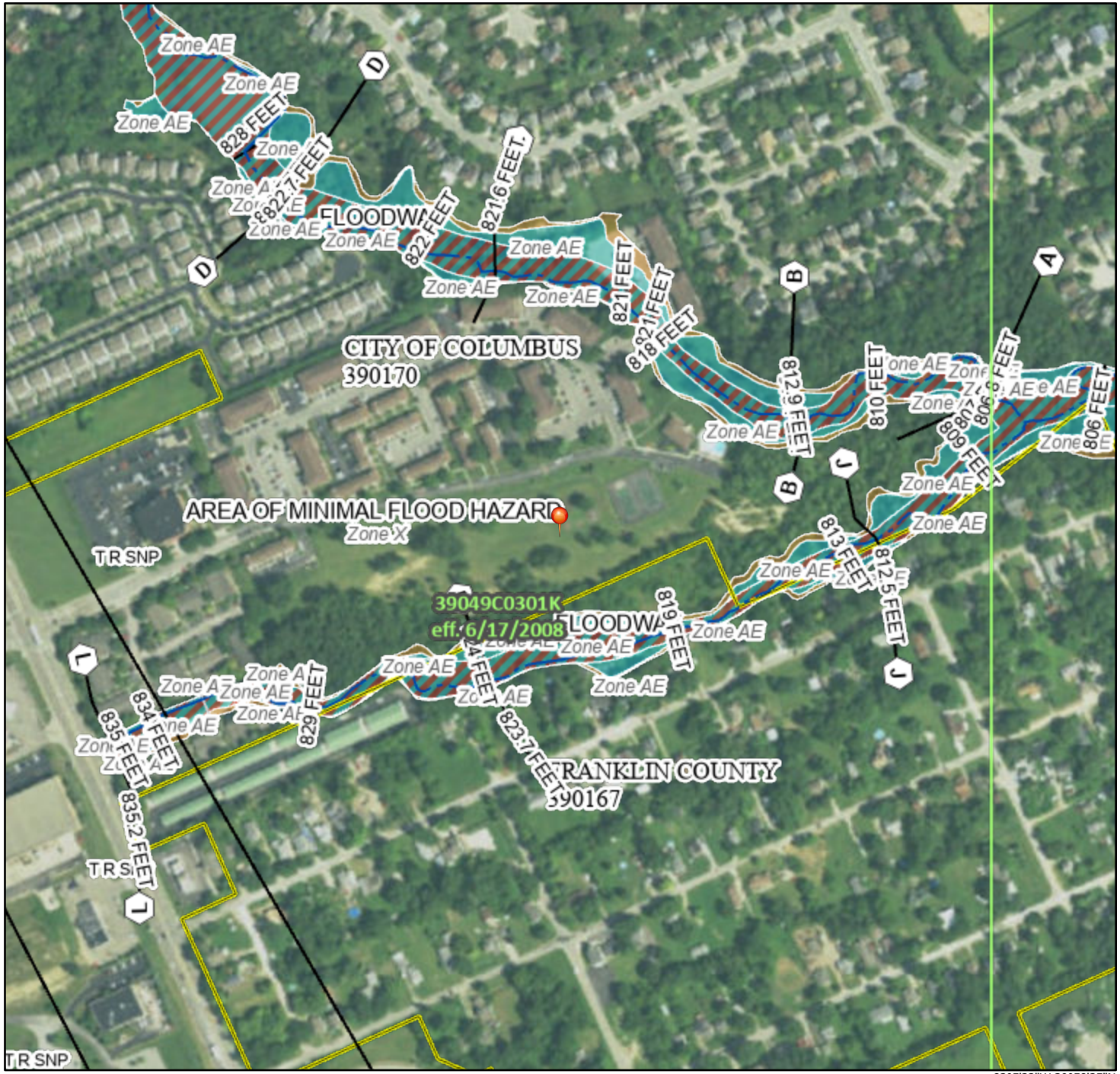
BACKFILL METHOD: Auger Cuttings

NOTES: 1. The indicated stratification lines are approximate. The in-situ transitions between materials may be gradual.
2. The colors depicted on the symbolic profile are solely for visualization purposes and do not necessarily represent the in-situ colors encountered.

National Flood Hazard Layer FIRMette

FEMA

83°6'11"W 39°59'3"N



83°5'33"W 39°58'35"N

Feet

0 250 500 1,000 1,500 2,000

1:6,000

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- 513 Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/15/2023 at 1:51 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

APPENDIX B

IMPORTANT INFORMATION ABOUT THIS GEOTECHNICAL ENGINEERING REPORT
GENERAL COMMENTS
LABORATORY TESTING PROCEDURES

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Important Information about This

Geotechnical-Engineering Report

Subsurface problems are a principal cause of construction delays, cost overruns, claims, and disputes.

While you cannot eliminate all such risks, you can manage them. The following information is provided to help.

The Geoprofessional Business Association (GBA) has prepared this advisory to help you – assumedly a client representative – interpret and apply this geotechnical-engineering report as effectively as possible. In that way, you can benefit from a lowered exposure to problems associated with subsurface conditions at project sites and development of them that, for decades, have been a principal cause of construction delays, cost overruns, claims, and disputes. If you have questions or want more information about any of the issues discussed herein, contact your GBA-member geotechnical engineer. Active engagement in GBA exposes geotechnical engineers to a wide array of risk-confrontation techniques that can be of genuine benefit for everyone involved with a construction project.

Understand the Geotechnical-Engineering Services Provided for this Report

Geotechnical-engineering services typically include the planning, collection, interpretation, and analysis of exploratory data from widely spaced borings and/or test pits. Field data are combined with results from laboratory tests of soil and rock samples obtained from field exploration (if applicable), observations made during site reconnaissance, and historical information to form one or more models of the expected subsurface conditions beneath the site. Local geology and alterations of the site surface and subsurface by previous and proposed construction are also important considerations. Geotechnical engineers apply their engineering training, experience, and judgment to adapt the requirements of the prospective project to the subsurface model(s). Estimates are made of the subsurface conditions that will likely be exposed during construction as well as the expected performance of foundations and other structures being planned and/or affected by construction activities.

The culmination of these geotechnical-engineering services is typically a geotechnical-engineering report providing the data obtained, a discussion of the subsurface model(s), the engineering and geologic engineering assessments and analyses made, and the recommendations developed to satisfy the given requirements of the project. These reports may be titled investigations, explorations, studies, assessments, or evaluations. Regardless of the title used, the geotechnical-engineering report is an engineering interpretation of the subsurface conditions within the context of the project and does not represent a close examination, systematic inquiry, or thorough investigation of all site and subsurface conditions.

Geotechnical-Engineering Services are Performed for Specific Purposes, Persons, and Projects, and At Specific Times

Geotechnical engineers structure their services to meet the specific needs, goals, and risk management preferences of their clients. A geotechnical-engineering study conducted for a given civil engineer will not likely meet the needs of a civil-works constructor or even a different civil engineer. Because each geotechnical-engineering study is unique, each geotechnical-engineering report is unique, prepared *solely* for the client.

Likewise, geotechnical-engineering services are performed for a specific project and purpose. For example, it is unlikely that a geotechnical-engineering study for a refrigerated warehouse will be the same as one prepared for a parking garage; and a few borings drilled during a preliminary study to evaluate site feasibility will not be adequate to develop geotechnical design recommendations for the project.

Do not rely on this report if your geotechnical engineer prepared it:

- for a different client;
- for a different project or purpose;
- for a different site (that may or may not include all or a portion of the original site); or
- before important events occurred at the site or adjacent to it; e.g., man-made events like construction or environmental remediation, or natural events like floods, droughts, earthquakes, or groundwater fluctuations.

Note, too, the reliability of a geotechnical-engineering report can be affected by the passage of time, because of factors like changed subsurface conditions; new or modified codes, standards, or regulations; or new techniques or tools. *If you are the least bit uncertain* about the continued reliability of this report, contact your geotechnical engineer before applying the recommendations in it. A minor amount of additional testing or analysis after the passage of time – if any is required at all – could prevent major problems.

Read this Report in Full

Costly problems have occurred because those relying on a geotechnical-engineering report did not read the report in its entirety. Do not rely on an executive summary. Do not read selective elements only. *Read and refer to the report in full.*

You Need to Inform Your Geotechnical Engineer About Change

Your geotechnical engineer considered unique, project-specific factors when developing the scope of study behind this report and developing the confirmation-dependent recommendations the report conveys. Typical changes that could erode the reliability of this report include those that affect:

- the site's size or shape;
- the elevation, configuration, location, orientation, function or weight of the proposed structure and the desired performance criteria;
- the composition of the design team; or
- project ownership.

As a general rule, *always* inform your geotechnical engineer of project or site changes – even minor ones – and request an assessment of their impact. *The geotechnical engineer who prepared this report cannot accept*

responsibility or liability for problems that arise because the geotechnical engineer was not informed about developments the engineer otherwise would have considered.

Most of the "Findings" Related in This Report Are Professional Opinions

Before construction begins, geotechnical engineers explore a site's subsurface using various sampling and testing procedures. *Geotechnical engineers can observe actual subsurface conditions only at those specific locations where sampling and testing is performed.* The data derived from that sampling and testing were reviewed by your geotechnical engineer, who then applied professional judgement to form opinions about subsurface conditions throughout the site. Actual sitewide-subsurface conditions may differ – maybe significantly – from those indicated in this report. Confront that risk by retaining your geotechnical engineer to serve on the design team through project completion to obtain informed guidance quickly, whenever needed.

This Report's Recommendations Are Confirmation-Dependent

The recommendations included in this report – including any options or alternatives – are confirmation-dependent. In other words, they are not final, because the geotechnical engineer who developed them relied heavily on judgement and opinion to do so. Your geotechnical engineer can finalize the recommendations *only after observing actual subsurface conditions* exposed during construction. If through observation your geotechnical engineer confirms that the conditions assumed to exist actually do exist, the recommendations can be relied upon, assuming no other changes have occurred. *The geotechnical engineer who prepared this report cannot assume responsibility or liability for confirmation-dependent recommendations if you fail to retain that engineer to perform construction observation.*

This Report Could Be Misinterpreted

Other design professionals' misinterpretation of geotechnical-engineering reports has resulted in costly problems. Confront that risk by having your geotechnical engineer serve as a continuing member of the design team, to:

- confer with other design-team members;
- help develop specifications;
- review pertinent elements of other design professionals' plans and specifications; and
- be available whenever geotechnical-engineering guidance is needed.

You should also confront the risk of constructors misinterpreting this report. Do so by retaining your geotechnical engineer to participate in prebid and preconstruction conferences and to perform construction-phase observations.

Give Constructors a Complete Report and Guidance

Some owners and design professionals mistakenly believe they can shift unanticipated-subsurface-conditions liability to constructors by limiting the information they provide for bid preparation. To help prevent the costly, contentious problems this practice has caused, include the complete geotechnical-engineering report, along with any attachments or appendices, with your contract documents, *but be certain to note conspicuously that you've included the material for information purposes only.* To avoid misunderstanding, you may also want to note that "informational purposes" means constructors have no right to rely on the interpretations, opinions, conclusions, or recommendations in the report. Be certain that constructors know they may learn about specific project requirements, including options selected from the report, *only* from the design drawings and specifications. Remind constructors that they may perform their own studies if they want to, and *be sure to allow enough time* to permit them to do so. Only then might you be in a position to give constructors the information available to you, while requiring them to at least share some of the financial responsibilities stemming from unanticipated conditions. Conducting prebid and preconstruction conferences can also be valuable in this respect.

Read Responsibility Provisions Closely

Some client representatives, design professionals, and constructors do not realize that geotechnical engineering is far less exact than other engineering disciplines. This happens in part because soil and rock on project sites are typically heterogeneous and not manufactured materials with well-defined engineering properties like steel and concrete. That lack of understanding has nurtured unrealistic expectations that have resulted in disappointments, delays, cost overruns, claims, and disputes. To confront that risk, geotechnical engineers commonly include explanatory provisions in their reports. Sometimes labeled "limitations," many of these provisions indicate where geotechnical engineers' responsibilities begin and end, to help others recognize their own responsibilities and risks. *Read these provisions closely.* Ask questions. Your geotechnical engineer should respond fully and frankly.

Geoenvironmental Concerns Are Not Covered

The personnel, equipment, and techniques used to perform an environmental study – e.g., a "phase-one" or "phase-two" environmental site assessment – differ significantly from those used to perform a geotechnical-engineering study. For that reason, a geotechnical-engineering report does not usually provide environmental findings, conclusions, or recommendations; e.g., about the likelihood of encountering underground storage tanks or regulated contaminants. *Unanticipated subsurface environmental problems have led to project failures.* If you have not obtained your own environmental information about the project site, ask your geotechnical consultant for a recommendation on how to find environmental risk-management guidance.

Obtain Professional Assistance to Deal with Moisture Infiltration and Mold

While your geotechnical engineer may have addressed groundwater, water infiltration, or similar issues in this report, the engineer's services were not designed, conducted, or intended to prevent migration of moisture – including water vapor – from the soil through building slabs and walls and into the building interior, where it can cause mold growth and material-performance deficiencies. Accordingly, ***proper implementation of the geotechnical engineer's recommendations will not of itself be sufficient to prevent moisture infiltration. Confront the risk of moisture infiltration*** by including building-envelope or mold specialists on the design team. ***Geotechnical engineers are not building-envelope or mold specialists.***

GEOPROFESSIONAL BUSINESS ASSOCIATION

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GENERAL COMMENTS

BASIS OF GEOTECHNICAL REPORT

This report has been prepared in accordance with generally accepted geotechnical engineering practices to assist in the design and/or evaluation of this project. If the project plans, design criteria, and other project information referenced in this report and utilized by SME to prepare our recommendations are changed, the conclusions and recommendations contained in this report are not considered valid unless the changes are reviewed, and the conclusions and recommendations of this report are modified or approved in writing by our office.

The discussions and recommendations submitted in this report are based on the available project information, described in this report, and the geotechnical data obtained from the field exploration at the locations indicated in the report. Variations in the soil and groundwater conditions commonly occur between or away from sampling locations. The nature and extent of the variations may not become evident until the time of construction. If significant variations are observed during construction, SME should be contacted to reevaluate the recommendations of this report. SME should be retained to continue our services through construction to observe and evaluate the actual subsurface conditions relative to the recommendations made in this report.

In the process of obtaining and testing samples and preparing this report, procedures are followed that represent reasonable and accepted practice in the field of soil and foundation engineering. Specifically, field logs are prepared during the field exploration that describe field occurrences, sampling locations, and other information. Samples obtained in the field are frequently subjected to additional testing and reclassification in the laboratory and differences may exist between the field logs and the report logs. The engineer preparing the report reviews the field logs, laboratory classifications, and test data and then prepares the report logs. Our recommendations are based on the contents of the report logs and the information contained therein.

REVIEW OF DESIGN DETAILS, PLANS, AND SPECIFICATIONS

SME should be retained to review the design details, project plans, and specifications to verify those documents are consistent with the recommendations contained in this report.

REVIEW OF REPORT INFORMATION WITH PROJECT TEAM

Implementation of our recommendations may affect the design, construction, and performance of the proposed improvements, along with the potential inherent risks involved with the proposed construction. The client and key members of the design team, including SME, should discuss the issues covered in this report so that the issues are understood and applied in a manner consistent with the owner's budget, tolerance of risk, and expectations for performance and maintenance.

FIELD VERIFICATION OF GEOTECHNICAL CONDITIONS

SME should be retained to verify the recommendations of this report are properly implemented during construction. This may avoid misinterpretation of our recommendations by other parties and will allow us to review and modify our recommendations if variations in the site subsurface conditions are encountered.

PROJECT INFORMATION FOR CONTRACTOR

This report and any future addenda or other reports regarding this site should be made available to prospective contractors prior to submitting their proposals for their information only and to supply them with facts relative to the subsurface evaluation and laboratory test results. If the selected contractor encounters subsurface conditions during construction, which differ from those presented in this report, the contractor should promptly describe the nature and extent of the differing conditions in writing and SME should be notified so that we can verify those conditions. The construction contract should include provisions for dealing with differing conditions and contingency funds should be reserved for potential problems during earthwork and foundation construction. We would be pleased to assist you in developing the contract provisions based on our experience.

The contractor should be prepared to handle environmental conditions encountered at this site, which may affect the excavation, removal, or disposal of soil; dewatering of excavations; and health and safety of workers. Any Environmental Assessment reports prepared for this site should be made available for review by bidders and the successful contractor.

THIRD PARTY RELIANCE/REUSE OF THIS REPORT

This report has been prepared solely for the use of our Client for the project specifically described in this report. This report cannot be relied upon by other parties not involved in the project, unless specifically allowed by SME in writing. SME also is not responsible for the interpretation by other parties of the geotechnical data and the recommendations provided herein.

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LABORATORY TESTING PROCEDURES

VISUAL ENGINEERING CLASSIFICATION

Visual classification was performed on recovered samples. The appended General Notes and Unified Soil Classification System (USCS) sheets include a brief summary of the general method used visually classify the soil and assign an appropriate USCS group symbol. The estimated group symbol, according to the USCS, is shown in parentheses following the textural description of the various strata on the boring logs appended to this report. The soil descriptions developed from visual classifications are sometimes modified to reflect the results of laboratory testing.

MOISTURE CONTENT

Moisture content tests were performed by weighing samples from the field at their in-situ moisture condition. These samples were then dried at a constant temperature (approximately 110º C) overnight in an oven. After drying, the samples were weighed to determine the dry weight of the sample and the weight of the water that was expelled during drying. The moisture content of the specimen is expressed as a percent and is the weight of the water compared to the dry weight of the specimen.

HAND PENETROMETER TESTS

In the hand penetrometer test, the unconfined compressive strength of a cohesive soil sample is estimated by measuring the resistance of the sample to the penetration of a small calibrated, spring-loaded cylinder. The maximum capacity of the penetrometer is 4.5 tons per square-foot (tsf). Theoretically, the undrained shear strength of the cohesive sample is one-half the unconfined compressive strength. The undrained shear strength (based on the hand penetrometer test) presented on the boring logs is reported in units of kips per square-foot (ksf).

TORVANE SHEAR TESTS

In the Torvane test, the shear strength of a low strength, cohesive soil sample is estimated by measuring the resistance of the sample to a torque applied through vanes inserted into the sample. The undrained shear strength of the samples is measured from the maximum torque required to shear the sample and is reported in units of kips per square-foot (ksf).

LOSS-ON-IGNITION (ORGANIC CONTENT) TESTS

Loss-on-ignition (LOI) tests are conducted by first weighing the sample and then heating the sample to dry the moisture from the sample (in the same manner as determining the moisture content of the soil). The sample is then re-weighed to determine the dry weight and then heated for 4 hours in a muffle furnace at a high temperature (approximately 440º C). After cooling, the sample is re-weighed to calculate the amount of ash remaining, which in turn is used to determine the amount of organic matter burned from the original dry sample. The organic matter content of the specimen is expressed as a percent compared to the dry weight of the sample.

ATTERBERG LIMITS TESTS

Atterberg limits tests consist of two components. The plastic limit of a cohesive sample is determined by rolling the sample into a thread and the plastic limit is the moisture content where a 1/8-inch thread begins to crumble. The liquid limit is determined by placing a ½-inch thick soil pat into the liquid limits cup and using a grooving tool to divide the soil pat in half. The cup is then tapped on the base of the liquid limits device using a crank handle. The number of drops of the cup to close the gap formed by the grooving tool ½ inch is recorded along with the corresponding moisture content of the sample. This procedure is repeated several times at different moisture contents and a graph of moisture content and the corresponding number of blows is plotted. The liquid limit is defined as the moisture content at a nominal 25 drops of the cup. From this test, the plasticity index can be determined by subtracting the plastic limit from the liquid limit.

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GRAIN SIZE DISTRIBUTION ANALYSIS

COARSE-GRAINED (GRANULAR) SAMPLES WITH LOW FINES CONTENT

Grain size distribution tests performed on granular samples involves oven-drying a representative sample of soil and washing out the fines (passing the No. 200 sieve) with tap water. The sample retained on the No. 200 sieve is then oven-dried, cooled and sieved on a series of stacked sieves beginning with the largest sieve on top and progressing to the smallest on the bottom. The portions of the sample retained on each sieve are then weighed and used to develop the grain size distribution curve in the report for each sample tested.

FINE-GRAINED (SILT OR CLAY) SAMPLES OR COARSE-GRAINED SAMPLES WITH HIGH FINES CONTENT

Particle size distribution tests performed on fine-grained or coarse-grained samples with a high fines content involves oven-drying a representative sample and mixing the sample with a liquid deflocculant to disperse the soil particles. The slurry is placed in a graduated cylinder and shaken to suspend the soil particles in the slurry. The graduated cylinder is then placed on a tabletop; a calibrated hydrometer is floated in the slurry to determine its density. The hydrometer measurements are made at selected time intervals as the soil in the cylinder settles and slurry density decreases. When the hydrometer measurements are completed, the slurry is poured onto a No. 200 sieve and the fines are washed out with tap water. The sample retained on the No. 200 sieve is then oven-dried, cooled and sieved on a series of stacked sieves beginning with the largest sieve on top and progressing to the smallest on the bottom. The portions of the sample retained on each sieve are then weighed and used with the hydrometer data to develop the grain size distribution curve in the report for each sample tested.

WET/DRY DENSITY TESTS

Wet/dry density tests involve extracting a representative soil sample from either a Shelby tube or sample liner, trimming the ends perpendicular to the length of the sample and measuring the length and diameter. The sample is then weighed, oven-dried and weighed again after drying. The wet density is equal to the wet weight of the sample (prior to drying) divided by the volume, while the dry density is the dry weight of the sample divided by the volume.

UNCONFINED COMPRESSIVE STRENGTH TESTS

In addition to the hand penetrometer and Torvane tests, unconfined compression tests were performed to better estimate the undrained shear strength of selected cohesive samples recovered from either Shelby tubes or liners taken in conjunction with the Standard Penetration Test. In the unconfined compression test, the unconfined compressive strength of a soil sample is determined by axially loading the soil sample at a slow, constant rate of strain. The unconfined compressive strength is the maximum compressive stress in the soil sample, up to 15 percent strain. Theoretically, the undrained shear strength of the cohesive sample is one-half the unconfined compressive strength. The undrained shear strength presented on the boring logs is reported in units of kips per square-foot (ksf).

CORROSION TESTS

The soil corrosion tests may include measuring the electrical resistivity, pH and concentrations of soluble chlorides and sulfates. Soil samples tested are generally taken from a composite of two or more selected soil samples with generally similar visual characteristics. The electrical resistivity of the selected soil samples was performed on natural-state and saturated samples using a Miller multi-combination meter with a soil box configured in a four-pin arrangement. pH tests are conducted in general accordance with Brighton Analytical's method reference EPA 150.1. The soil samples for the soluble sulfates and chlorides were prepared at a water-to-soil ratio of 2:1 and tested in general accordance with Brighton Analytical's method reference SW846-9056.

MOISTURE-DRY DENSITY RELATIONSHIPS (COMPACTION) TESTS

Moisture-dry density tests involve the preparation of a bulk soil sample by compacting the sample at a given energy into a calibrated mold with a known volume of 0.0333 cubic feet at various moisture contents. A graph of the moisture content vs. dry density is developed, which results in an inverted U-shaped curve. The maximum dry density is the peak of the curve and the corresponding moisture content is the optimum moisture. Two methods can be performed, namely:

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STANDARD PROCTOR METHOD

This method involves a standard energy of 12,400 ft-lbs per cubic foot of soil volume to compact the sample. The sample is compacted in three layers of equal thickness using a 5.5-pound hammer dropped 12 inches using 25 blows per layer.

MODIFIED PROCTOR METHOD

This method involves a modified energy of 56,000 ft-lbs per cubic foot of soil volume to compact the sample. The sample is compacted in five layers of equal thickness using a 10-pound hammer dropped 18 inches using 25 blows per layer.

SPECIFIC GRAVITY TESTS

This test involves the determination of the ratio of the weight of a known volume of soil particles in air to weight of the same volume of water in air. The test is performed by oven drying a soil sample and placing the sample with water into a calibrated pycnometer, boiling the soil/water mixture, filling the pycnometer with distilled water to its calibration mark, weighing the pycnometer and soil/water mixture and measuring the temperature of the mixture. The specific gravity is equal to the weight of the dry soil particles multiplied by the specific gravity of distilled water at the temperature measured for the soil/water mixture divided by the sum of the weight of the dry soil particles plus the weight of the pycnometer, soil/water mixture plus the weight of the pycnometer plus water from the calibration curve developed for the pycnometer.

DIRECT SHEAR TESTS

A bulk samples is compacted in a direct shear mold at a specified density and moisture content. Shear tests are then performed using the direct shear procedure. The direct shear test is performed at several overburden pressures or normal stresses that represent approximate potential stresses in the proposed construction. Values of both peak friction angle and residual friction angle are determined from the tests for each overburden pressure. The results of the direct shear tests are tabulated and plotted on the Direct Shear Test Plots in Appendix A.

CONSOLIDATION TESTS

Consolidation tests are used to evaluate the magnitude and rate of consolidation of soil when it is restrained laterally and drained on the top and bottom while subjected to vertical load applied in controlled increments. The range of test loads applied is generally selected to represent the anticipated vertical stress conditions resulting from existing conditions and the proposed construction. Plots of the percent strain vs. log pressure are constructed from the data to assess consolidation characteristics, while the rate of consolidation is evaluated from plots of deformation vs. time for each vertical load increment.

PERMEABILITY TESTS

The permeability of either relatively undisturbed or compacted soils can be determined by various laboratory test equipment including a triaxial cell, permeameter mold or from a liner sample. The type of permeability equipment used and test performed will be based on the soil type being evaluated.

CLAY, SILT AND OTHER LOW PERMEABLE SOIL SAMPLES

For samples with relatively low permeability characteristics, an undisturbed or compacted soil sample is placed in a triaxial cell. Prior to performing the permeability test, the sample must be fully saturated by forcing water into the sample using a backpressure (water under pressure from an air supply) which is slightly less than the cell pressure. Once the sample is saturated, water is forced through the top of the sample with pressure from an air supply (which is slightly less than the cell pressure) and water forced out of the bottom of the sample is measured in a burette. The volume of water displaced from the sample is recorded with time and from that information, the coefficient of permeability is calculated. This method is a constant head permeability test.

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SAND SAMPLES

Due to the nature of relatively clean granular soils, the use of a triaxial cell is generally not practical and the permeability of these types of soils is typically determined from either a liner sample (either recovered directly from a split-spoon in the field or a sample compacted in the liner) or a bulk sample compacted in a 6-inch diameter permeameter mold. A falling head permeability test can be performed on most granular samples by filling a standpipe with water and measuring the head drop with time. For highly permeable soils, the rate of drop in a falling head test may be too rapid to obtain reliable volume and time measurements. Thus, a constant head test will be required where a constant head of water is maintained, and the volume of water discharged from the sample is measured with time.

TRIAXIAL TESTS

Triaxial tests were conducted on samples trimmed from Shelby tubes or liners. There are several types of triaxial tests which can be performed and each are described below:

UNCONSOLIDATED-UNDRAINED TRIAXIAL TEST METHOD

The strength and stress-strain relationships of a cylindrical soil sample are determined for a sample subjected to a selected confining fluid pressure in a triaxial chamber. No drainage of the sample is permitted during the test and the sample is sheared in compression at a constant rate of axial deformation. The peak stress measured for the sample is recorded, up to a maximum 15 percent strain. At least three triaxial tests are performed at various confining fluid pressures to model in-situ stress conditions for loading. A plot of the Mohr circles at failure stress for each confining pressure is included in Appendix A.

CONSOLIDATED-DRAINED TRIAXIAL TEST METHOD

The strength and stress-strain relationships of a cylindrical soil sample are determined for a sample subjected to a selected confining fluid pressure in a triaxial chamber. The sample is isotropically consolidated prior to applying axial loads and sheared in compression at a slow constant rate of axial deformation while allowing the sample to drain. The peak stress measured for the sample is recorded, up to a maximum 15 percent strain. At least three triaxial tests are performed at various confining fluid pressures to model in-situ stress conditions for loading. A plot of the Mohr circles at failure stress for each confining pressure is included in Appendix A.

CONSOLIDATED-UNDRAINED TRIAXIAL TEST METHOD

The strength and stress-strain relationships of a cylindrical soil sample are determined for a sample subjected to a selected confining fluid pressure in a triaxial chamber. The sample is isotropically consolidated prior to applying axial loads and sheared undrained in compression at a constant rate of axial deformation. Pore water pressure measurements can also be measured during the shearing of the sample. The peak stress measured for the sample is recorded, up to a maximum 15 percent strain. At least three triaxial tests are performed at various confining fluid pressures to model in-situ stress conditions for loading. A plot of the Mohr circles at failure stress for each confining pressure is included in Appendix A.

DENSITY TESTS ON ROCK CORES

Density tests involve trimming the ends of an intact rock core sample perpendicular to the length of the sample and measuring the length and diameter. The sample is then weighed and the weight is divided by the volume to calculate the density.

UNCONFINED COMPRESSIVE STRENGTH TESTS ON ROCK CORES

Unconfined compression tests were performed to estimate the compressive strength of selected rock core samples. Representative rock cores were selected and cut perpendicular to the length of the sample on both ends to a specified length with a wet saw. In the unconfined compression test, the unconfined compressive strength of a rock core sample is determined by axially loading the rock core sample at a slow, constant rate of strain. The unconfined compressive strength is the maximum compressive stress in the rock core sample or the load applied when a predetermined amount of strain is achieved.

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and Revitalizing our World

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United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Franklin County, Ohio

February 21, 2024

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require

alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410 or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

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Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report
Soil Map

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Franklin County, Ohio
Survey Area Data: Version 22, Sep 6, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: May 21, 2023—Aug 8, 2023

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
CeB	Celina silt loam, 2 to 6 percent slopes	0.2	1.1%
CfB	Celina-Urban land complex, 2 to 6 percent slopes	11.2	59.0%
CsB	Crosby-Urban land complex, 2 to 6 percent slopes	1.5	8.2%
Ee	Eel silt loam, 0 to 2 percent slopes, occasionally flooded	2.3	12.4%
HeE2	Hennepin and Miamian loams, 18 to 25 percent slopes, eroded	0.1	0.3%
MlC2	Miamian silty clay loam, 6 to 12 percent slopes, eroded	3.6	18.9%
Totals for Area of Interest		**18.9**	**100.0%**

References

American Association of State Highway and Transportation Officials (AASHTO). 2004. Standard specifications for transportation materials and methods of sampling and testing. 24th edition.

American Society for Testing and Materials (ASTM). 2005. Standard classification of soils for engineering purposes. ASTM Standard D2487-00.

Cowardin, L.M., V. Carter, F.C. Golet, and E.T. LaRoe. 1979. Classification of wetlands and deep-water habitats of the United States. U.S. Fish and Wildlife Service FWS/OBS-79/31.

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Federal Register. September 18, 2002. Hydric soils of the United States.

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National Research Council. 1995. Wetlands: Characteristics and boundaries.

Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_054262

Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service, U.S. Department of Agriculture Handbook 436. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053577

Soil Survey Staff. 2010. Keys to soil taxonomy. 11th edition. U.S. Department of Agriculture, Natural Resources Conservation Service. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053580

Tiner, R.W., Jr. 1985. Wetlands of Delaware. U.S. Fish and Wildlife Service and Delaware Department of Natural Resources and Environmental Control, Wetlands Section.

United States Army Corps of Engineers, Environmental Laboratory. 1987. Corps of Engineers wetlands delineation manual. Waterways Experiment Station Technical Report Y-87-1.

United States Department of Agriculture, Natural Resources Conservation Service. National forestry manual. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/home/?cid=nrcs142p2_053374

United States Department of Agriculture, Natural Resources Conservation Service. National range and pasture handbook. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/landuse/rangepasture/?cid=stelprdb1043084

United States Department of Agriculture, Natural Resources Conservation Service. National soil survey handbook, title 430-VI. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/scientists/?cid=nrcs142p2_054242

United States Department of Agriculture, Natural Resources Conservation Service. 2006. Land resource regions and major land resource areas of the United States, the Caribbean, and the Pacific Basin. U.S. Department of Agriculture Handbook 296. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053624

United States Department of Agriculture, Soil Conservation Service. 1961. Land capability classification. U.S. Department of Agriculture Handbook 210. http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_052290.pdf

United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Franklin County, Ohio

February 21, 2024

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require

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Building Site Development..... 5
Dwellings With Basements..... 5
References..... 11

Soil Information for All Uses

Suitabilities and Limitations for Use

The Suitabilities and Limitations for Use section includes various soil interpretations displayed as thematic maps with a summary table for the soil map units in the selected area of interest. A single value or rating for each map unit is generated by aggregating the interpretive ratings of individual map unit components. This aggregation process is defined for each interpretation.

Building Site Development

Building site development interpretations are designed to be used as tools for evaluating soil suitability and identifying soil limitations for various construction purposes. As part of the interpretation process, the rating applies to each soil in its described condition and does not consider present land use. Example interpretations can include corrosion of concrete and steel, shallow excavations, dwellings with and without basements, small commercial buildings, local roads and streets, and lawns and landscaping.

Dwellings With Basements

ENG - Engineering

Dwellings are single-family houses of three stories or less. For dwellings with basements, the foundation is assumed to consist of spread footings of reinforced concrete built on undisturbed soil at a depth of about 7 feet.

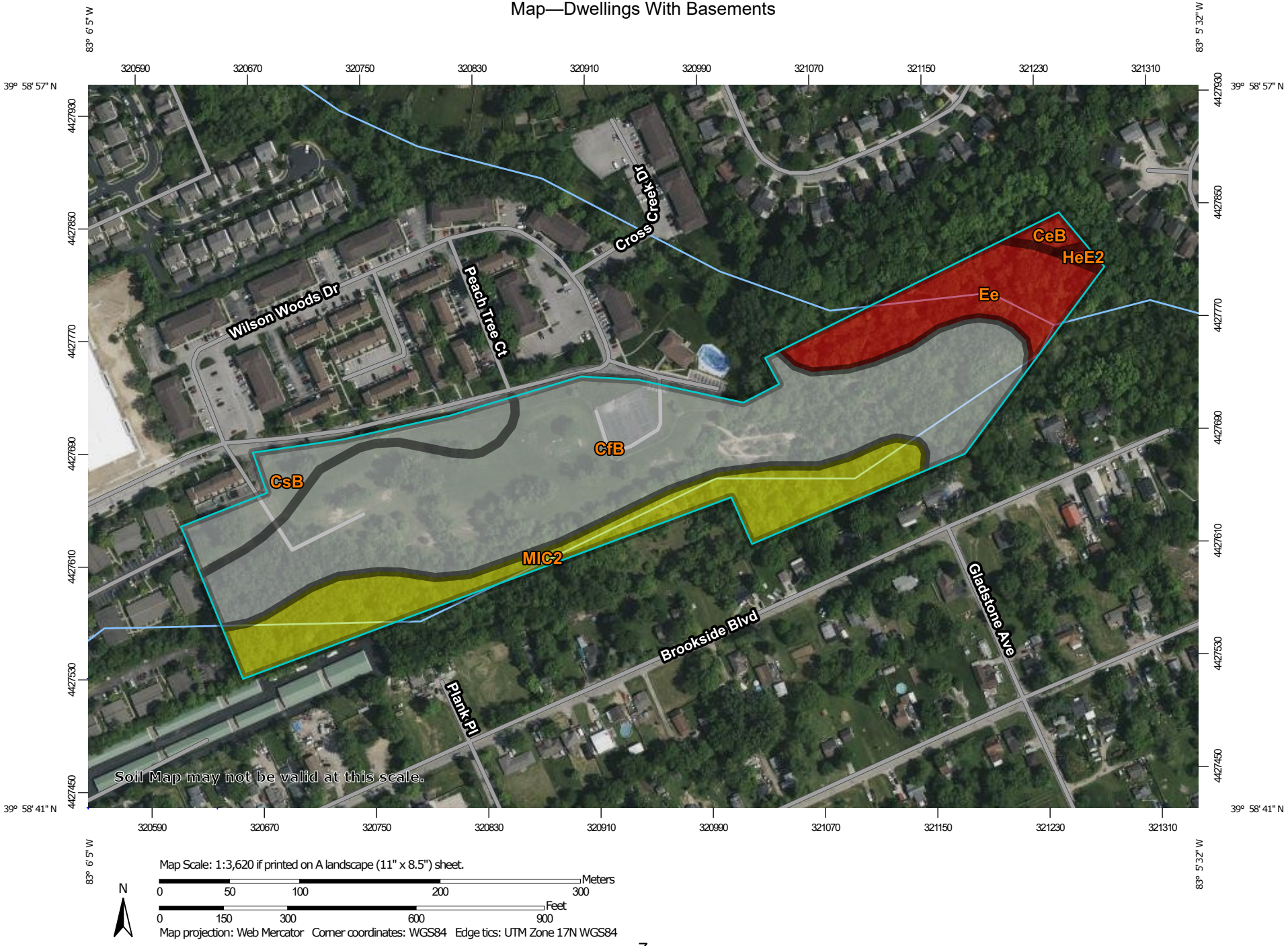
The ratings for dwellings are based on the soil properties that affect the capacity of the soil to support a load without movement and on the properties that affect excavation and construction costs. The properties that affect the load-supporting capacity include depth to a water table, ponding, flooding, subsidence, linear extensibility (shrink-swell potential), and compressibility. Compressibility is inferred from the Unified classification of the soil. The properties that affect the ease and amount of excavation include depth to a water table, ponding, flooding, slope, depth to bedrock or a cemented pan, hardness of bedrock or a cemented pan, and the amount and size of rock fragments.

The ratings are both verbal and numerical. Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect the specified use. "Not limited" indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. "Somewhat limited" indicates that the soil has features that are moderately favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. "Very limited" indicates that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Numerical ratings indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.01 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil feature is not a limitation (0.00).

The map unit components listed for each map unit in the accompanying Summary by Map Unit table in Web Soil Survey or the Aggregation Report in Soil Data Viewer are determined by the aggregation method chosen. An aggregated rating class is shown for each map unit. The components listed for each map unit are only those that have the same rating class as listed for the map unit. The percent composition of each component in a particular map unit is presented to help the user better understand the percentage of each map unit that has the rating presented.

Other components with different ratings may be present in each map unit. The ratings for all components, regardless of the map unit aggregated rating, can be viewed by generating the equivalent report from the Soil Reports tab in Web Soil Survey or from the Soil Data Mart site. Onsite investigation may be needed to validate these interpretations and to confirm the identity of the soil on a given site.


83° 6' 5" W
83° 5' 32" W
320590
320670
320750
320830
320910
320990
321070
321150
321230
321310
39° 58' 57" N
39° 58' 41" N
4427930
4427850
4427770
4427690
4427610
4427530
4427450
Cross Creek Dr
Peach Tree Ct
Wilson Woods Dr
CeB
HeE2
Ee
CfB
CsB
MIC2
Brookside Blvd
Gladstone Ave
Plank Pl
Soil Map may not be valid at this scale.
Map Scale: 1:3,620 if printed on A landscape (11" x 8.5") sheet.
N
Meters
0 50 100 200 300
Feet
0 150 300 600 900
Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils

Soil Rating Polygons
- Very limited
- Somewhat limited
- Not limited
- Not rated or not available

Soil Rating Lines
- Very limited
- Somewhat limited
- Not limited
- Not rated or not available

Soil Rating Points
- Very limited
- Somewhat limited
- Not limited
- Not rated or not available

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

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Soil Survey Area: Franklin County, Ohio
Survey Area Data: Version 22, Sep 6, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: May 21, 2023—Aug 8, 2023

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Tables—Dwellings With Basements

Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
CeB	Celina silt loam, 2 to 6 percent slopes	Very limited	Celina (85%)	Depth to saturated zone (1.00)	0.2	1.1%
			Brookston (5%)	Ponding (1.00)		
				Depth to saturated zone (1.00)		
				Shrink-swell (0.01)		
			Kokomo (5%)	Ponding (1.00)		
				Depth to saturated zone (1.00)		
				Shrink-swell (0.88)		
			Crosby (5%)	Depth to saturated zone (1.00)		
CfB	Celina-Urban land complex, 2 to 6 percent slopes	Not rated	Urban land (30%)		11.2	59.0%
			areas altered by cutting and filling (20%)			
			Kokomo (5%)			
CsB	Crosby-Urban land complex, 2 to 6 percent slopes	Not rated	Urban land (30%)		1.5	8.2%
			areas altered by cutting and filling (15%)			
			Kokomo (5%)			
			Celina (5%)			
Ee	Eel silt loam, 0 to 2 percent slopes, occasionally flooded	Very limited	Eel, occasionally flooded (80%)	Flooding (1.00)	2.3	12.4%
				Depth to saturated zone (1.00)		
				Shrink-swell (0.01)		
			Genesee, occasionally flooded (10%)	Flooding (1.00)		
				Depth to saturated zone (0.99)		
			Shoals, occasionally flooded (6%)	Flooding (1.00)		
				Depth to saturated zone (1.00)		
			Sloan, occasionally	Ponding (1.00)		

Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
			ponded (4%)	Flooding (1.00)		
				Depth to saturated zone (1.00)		
				Shrink-swell (0.19)		
HeE2	Hennepin and Miamian loams, 18 to 25 percent slopes, eroded	Very limited	Hennepin (45%)	Slope (1.00)	0.1	0.3%
			Miamian (40%)	Slope (1.00)		
MIC2	Miamian silty clay loam, 6 to 12 percent slopes, eroded	Somewhat limited	Miamian (90%)	Slope (0.04)	3.6	18.9%
				Shrink-swell (0.00)		
Totals for Area of Interest					**18.9**	**100.0%**

Rating	Acres in AOI	Percent of AOI
Somewhat limited	3.6	18.9%
Very limited	2.6	13.9%
Null or Not Rated	12.7	67.2%
Totals for Area of Interest	**18.9**	**100.0%**

Rating Options—Dwellings With Basements

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

References

American Association of State Highway and Transportation Officials (AASHTO). 2004. Standard specifications for transportation materials and methods of sampling and testing. 24th edition.

American Society for Testing and Materials (ASTM). 2005. Standard classification of soils for engineering purposes. ASTM Standard D2487-00.

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Federal Register. July 13, 1994. Changes in hydric soils of the United States.

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Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.

National Research Council. 1995. Wetlands: Characteristics and boundaries.

Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_054262

Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service, U.S. Department of Agriculture Handbook 436. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053577

Soil Survey Staff. 2010. Keys to soil taxonomy. 11th edition. U.S. Department of Agriculture, Natural Resources Conservation Service. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053580

Tiner, R.W., Jr. 1985. Wetlands of Delaware. U.S. Fish and Wildlife Service and Delaware Department of Natural Resources and Environmental Control, Wetlands Section.

United States Army Corps of Engineers, Environmental Laboratory. 1987. Corps of Engineers wetlands delineation manual. Waterways Experiment Station Technical Report Y-87-1.

United States Department of Agriculture, Natural Resources Conservation Service. National forestry manual. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/home/?cid=nrcs142p2_053374

United States Department of Agriculture, Natural Resources Conservation Service. National range and pasture handbook. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/landuse/rangepasture/?cid=stelprdb1043084

United States Department of Agriculture, Natural Resources Conservation Service. National soil survey handbook, title 430-VI. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/scientists/?cid=nrcs142p2_054242

United States Department of Agriculture, Natural Resources Conservation Service. 2006. Land resource regions and major land resource areas of the United States, the Caribbean, and the Pacific Basin. U.S. Department of Agriculture Handbook 296. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053624

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Soil Information for All Uses

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Dwellings Without Basements

ENG - Engineering

Dwellings are single-family houses of three stories or less. For dwellings without basements, the foundation is assumed to consist of spread footings of reinforced concrete built on undisturbed soil at a depth of 2 feet or at the depth of maximum frost penetration, whichever is deeper.

The ratings for dwellings are based on the soil properties that affect the capacity of the soil to support a load without movement and on the properties that affect excavation and construction costs. The properties that affect the load-supporting capacity include depth to a water table, ponding, flooding, subsidence, linear extensibility (shrink-swell potential), and compressibility. Compressibility is inferred from the Unified classification of the soil. The properties that affect the ease and amount of excavation include depth to a water table, ponding, flooding, slope, depth to bedrock or a cemented pan, hardness of bedrock or a cemented pan, and the amount and size of rock fragments.

The ratings are both verbal and numerical. Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect the specified use. "Not limited" indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. "Somewhat limited" indicates that the soil has features that are moderately favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. "Very limited" indicates that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Numerical ratings indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.01 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil feature is not a limitation (0.00).

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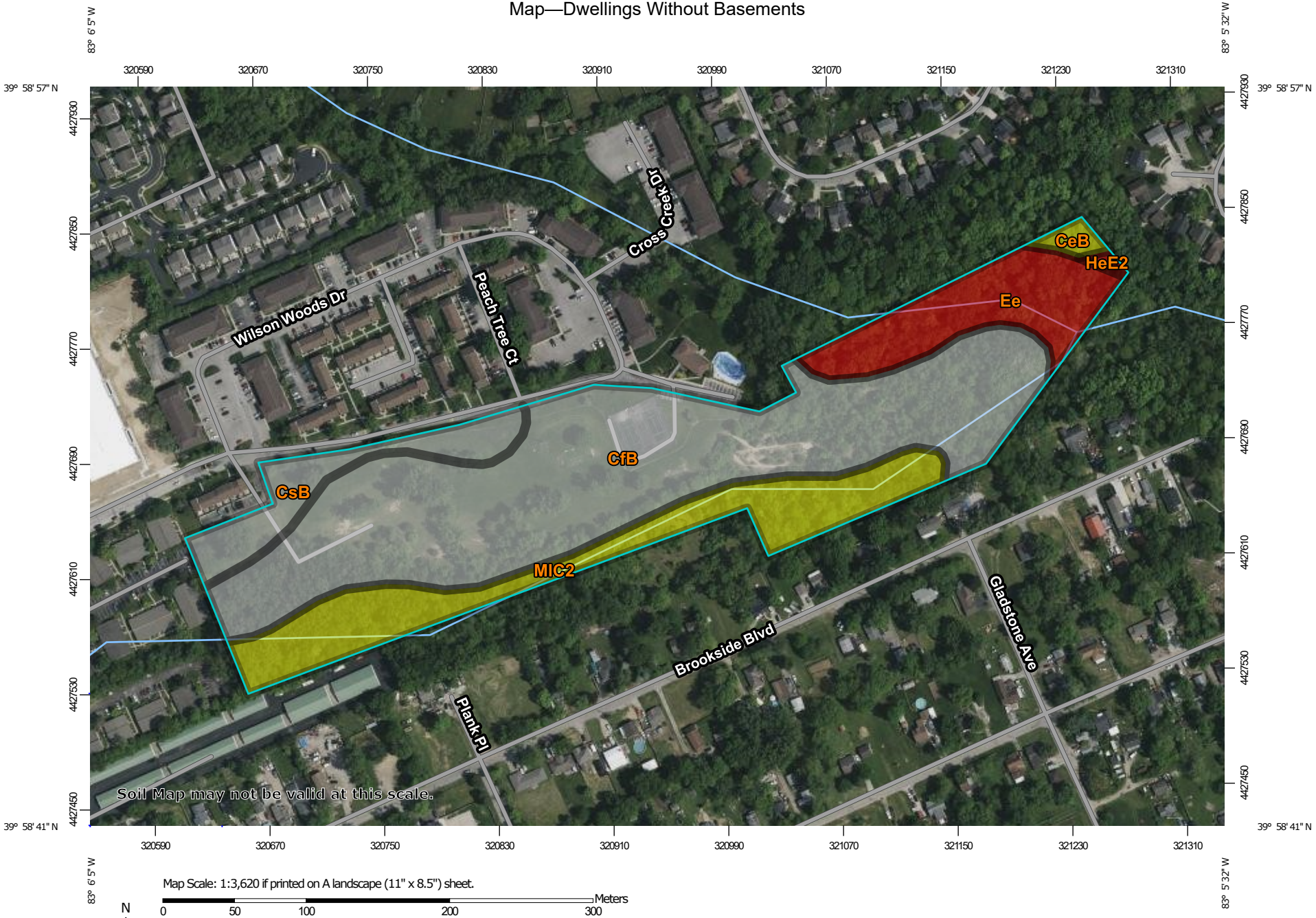
Map—Dwellings Without Basements



Map Scale: 1:3,620 if printed on A landscape (11" x 8.5") sheet.

N

Meters: 0 50 100 200 300

Feet: 0 150 300 600 900

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils

Soil Rating Polygons
- Very limited
- Somewhat limited
- Not limited
- Not rated or not available

Soil Rating Lines
- Very limited
- Somewhat limited
- Not limited
- Not rated or not available

Soil Rating Points
- Very limited
- Somewhat limited
- Not limited
- Not rated or not available

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

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Soil Survey Area: Franklin County, Ohio
Survey Area Data: Version 22, Sep 6, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: May 21, 2023—Aug 8, 2023

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Tables—Dwellings Without Basements

Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
CeB	Celina silt loam, 2 to 6 percent slopes	Somewhat limited	Celina (85%)	Depth to saturated zone (0.98)	0.2	1.1%
				Shrink-swell (0.14)		
CfB	Celina-Urban land complex, 2 to 6 percent slopes	Not rated	Urban land (30%)		11.2	59.0%
			areas altered by cutting and filling (20%)			
			Kokomo (5%)			
CsB	Crosby-Urban land complex, 2 to 6 percent slopes	Not rated	Urban land (30%)		1.5	8.2%
			areas altered by cutting and filling (15%)			
			Kokomo (5%)			
			Celina (5%)			
Ee	Eel silt loam, 0 to 2 percent slopes, occasionally flooded	Very limited	Eel, occasionally flooded (80%)	Flooding (1.00)	2.3	12.4%
				Depth to saturated zone (0.93)		
				Shrink-swell (0.04)		
			Genesee, occasionally flooded (10%)	Flooding (1.00)		
			Shoals, occasionally flooded (6%)	Flooding (1.00)		
				Depth to saturated zone (1.00)		
			Sloan, occasionally ponded (4%)	Ponding (1.00)		
				Flooding (1.00)		
				Depth to saturated zone (1.00)		
				Shrink-swell (0.82)		
HeE2	Hennepin and Miamian loams, 18 to 25 percent slopes, eroded	Very limited	Hennepin (45%)	Slope (1.00)	0.1	0.3%
			Miamian (40%)	Slope (1.00)		
MIC2	Miamian silty clay loam, 6 to 12 percent slopes, eroded	Somewhat limited	Miamian (90%)	Shrink-swell (0.29)	3.6	18.9%
				Slope (0.04)		

Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
Totals for Area of Interest					**18.9**	**100.0%**

Rating	Acres in AOI	Percent of AOI
Somewhat limited	3.8	20.0%
Very limited	2.4	12.8%
Null or Not Rated	12.7	67.2%
Totals for Area of Interest	**18.9**	**100.0%**

Rating Options—Dwellings Without Basements

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

References

American Association of State Highway and Transportation Officials (AASHTO). 2004. Standard specifications for transportation materials and methods of sampling and testing. 24th edition.

American Society for Testing and Materials (ASTM). 2005. Standard classification of soils for engineering purposes. ASTM Standard D2487-00.

Cowardin, L.M., V. Carter, F.C. Golet, and E.T. LaRoe. 1979. Classification of wetlands and deep-water habitats of the United States. U.S. Fish and Wildlife Service FWS/OBS-79/31.

Federal Register. July 13, 1994. Changes in hydric soils of the United States.

Federal Register. September 18, 2002. Hydric soils of the United States.

Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.

National Research Council. 1995. Wetlands: Characteristics and boundaries.

Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_054262

Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service, U.S. Department of Agriculture Handbook 436. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053577

Soil Survey Staff. 2010. Keys to soil taxonomy. 11th edition. U.S. Department of Agriculture, Natural Resources Conservation Service. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053580

Tiner, R.W., Jr. 1985. Wetlands of Delaware. U.S. Fish and Wildlife Service and Delaware Department of Natural Resources and Environmental Control, Wetlands Section.

United States Army Corps of Engineers, Environmental Laboratory. 1987. Corps of Engineers wetlands delineation manual. Waterways Experiment Station Technical Report Y-87-1.

United States Department of Agriculture, Natural Resources Conservation Service. National forestry manual. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/home/?cid=nrcs142p2_053374

United States Department of Agriculture, Natural Resources Conservation Service. National range and pasture handbook. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/landuse/rangepasture/?cid=stelprdb1043084

United States Department of Agriculture, Natural Resources Conservation Service. National soil survey handbook, title 430-VI. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/scientists/?cid=nrcs142p2_054242

United States Department of Agriculture, Natural Resources Conservation Service. 2006. Land resource regions and major land resource areas of the United States, the Caribbean, and the Pacific Basin. U.S. Department of Agriculture Handbook 296. http://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/soils/?cid=nrcs142p2_053624

United States Department of Agriculture, Soil Conservation Service. 1961. Land capability classification. U.S. Department of Agriculture Handbook 210. http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_052290.pdf

Appendix U -

Sewer and Stormwater Documentation

Kyle Stanley

From: Jordan Zickafoose <jordanz@sandsdecker.com>
Sent: Tuesday, March 12, 2024 2:01 PM
To: Kyle Stanley
Subject: RE: HOME Environmental Review - West Fork

Kyle,
See my response to #6 below.

6. Project Engineer/Project Architect needs to provide a description of the storm water control at the site (how collected, where released, etc.), including any comments that can be specifically directed toward limitations of the soils on-site. Response should track storm water from roofs, lawns and pavement through any on-site control or transport features and to the discharge or infiltration point(s). Submission should be a copy of Project Engineer/Architect letter or e-mail addressing the issue.

The post-construction stormwater runoff will be captured via a storm sewer network. The storm sewer network consists of roof drains that connect to the storm sewer under the roadway. The lawns will drain to the storm sewer by graded swales. The roadway will be sloped to direct storm water to the catch basins. This storm sewer will outlet to a wet detention basin on the east end of the site for water quantity and quality requirements. There is off-site runoff that will be directed into the site's storm sewer network and released as a pass-through condition in the detention basin. The system discharges to the existing creek.

JORDAN ZICKAFOOSE
Project Engineer | Sands Decker

SANDS DECKER ENGINEERS & SURVEYORS 25 YEARS

P: 614.459.6992 Ext. 242

1495 Old Henderson Road
Columbus, Ohio 43220

www.sandsdecker.com

Sands Decker - A great company, with great people, delivering great projects.

From: Jordan Zickafoose
Sent: Wednesday, March 6, 2024 10:08 AM
To: Kyle Stanley <kstanley@kittleproperties.com>
Cc: Caroline Kimmel <ckimmel@kittleproperties.com>; Kristopher Wright <kwright@kittleproperties.com>
Subject: RE: HOME Environmental Review - West Fork

Hi Kyle,

Sorry for the late response.
My responses are in the word doc attached and site plans attached as requested.

Let me know if you need anything else.

JORDAN ZICKAFOOSE, **E.I.**
Project Engineer | Sands Decker

P: 614.459.6992 Ext. 242

1495 Old Henderson Road
Columbus, Ohio 43220

www.sandsdecker.com

Sands Decker - A great company, with great people, delivering great projects.

From: Kyle Stanley <kstanley@kittleproperties.com>
Sent: Thursday, February 22, 2024 3:46 PM
To: Jordan Zickafoose <jordanz@sandsdecker.com>
Cc: Caroline Kimmel <ckimmel@kittleproperties.com>; Kristopher Wright <kwright@kittleproperties.com>
Subject: HOME Environmental Review - West Fork

Hi Jordan,

We're working on the submission requirements for the Environmental Review for HOME funds. Would you be able to help with the below items? We would like to have these address by 3/7 if possible. Please let me know if you have any questions or need clarification any anything.

6. Project Engineer/Project Architect needs to provide a description of the storm water control at the site (how collected, where released, etc.), including any comments that can be specifically directed toward limitations of the soils on-site. Response should track storm water from roofs, lawns and pavement through any on-site control or transport features and to the discharge or infiltration point(s). Submission should be a copy of Project Engineer/Architect letter or e-mail addressing the issue.

11. For sites with an existing or planned detention/retention basin or other water body, provide slopes of basin or land surface adjacent to water body and indicate any planned fencing or landscaping at the basin/water body. A site plan with topographic contours is preferred. Indicate whether detention/retention basins are designed to contain water all the time, or just during/immediately after rain events.

12. For sites with existing or proposed retaining walls or steep slopes (greater than 4H:1V), indicate how accidental access to the tops of the walls/slopes, and therefore accidental slips, trips and falls, will be prevented. Provide a site plan with topographic contours.

15. Any additional coordination or studies that have been conducted. If these studies are in progress, please indicate that they are pending and submit them as soon as they are complete:

- Local government Environmental Reviews and review officer name and phone – is there someone at the city that would have this?

Thank you!
Kyle

Kyle Stanley | **Development Analyst**
Kittle Property Group, Inc. | 310 E. 96th Street, Suite 400 Indianapolis, IN 46240
P: 317-428-1932 | kstanley@kittleproperties.com
kittleproperties.com | apartmentsforus.com

MATCH LINE (SEE SHEET 7)

22.80

24.50

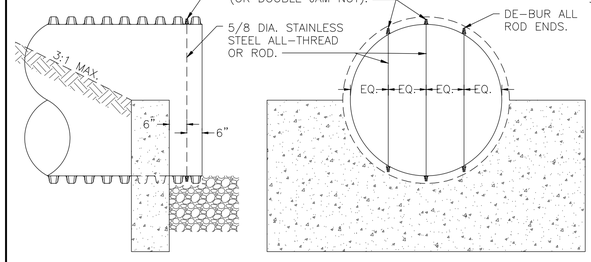
10' EASEMENT
VOL. 3396 PG. 241

36" STM (CC20187)

10' EASEMENT
VOL. 3396 PG. 241

15'

36" STM (CC20187)



PROFILE *END*

NOTES

- SEE CoL SCD D-2 FOR CRADLE TYPE HEADWALL DIMENSIONS AND DETAILS.
- USE STAINLESS STEEL FOR ALL COMPONENTS.
- APPLIES TO ALL HEADWALLS AND ENDWALLS WITH PIPE DIA. GREATER THAN 24".
- 8" EQ. ON CENTER FOR 24" PIPE
- 7.5" EQ. ON CENTER FOR 30" PIPE
- 9" EQ. ON CENTER FOR 36" PIPE
- 8.4" EQ. ON CENTER FOR 42" PIPE
- 8" EQ. ON CENTER FOR 48" PIPE
- 7.5" EQ. ON CENTER FOR 60" PIPE

DEBRIS/SAFETY GRATE (1)
NOT TO SCALE

NOTES

- ANY EXISTING STORM INLETS IMPACTED BY THE NEW CONSTRUCTION ACTIVITY WILL NEED THE APPROPRIATE INLET PROTECTION FOR SEDIMENT CONTROL.
- FINISHED FLOOR ELEVATIONS OF GARAGES ARE THE ELEVATION AT THE DRIVE APRON. REFER TO ARCH. PLANS FOR INTERIOR GARAGE SLOPES.
- ALL SLOPE 3:1 AND STEEPER SHALL REQUIRE ODOT ITEM 671, TEMPORARY EROSION CONTROL MATTING, TYPE C. INSTALLED AND SECURED ACCORDING TO ODOT STD. DWG. DM-4.2 OR MANUFACTURER'S RECOMMENDATIONS.

(1) GRADING KEYNOTES

1. TOP OF BANK
2. OVERFLOW WEIR, SEE DETAIL ON SHEET 6.
3. MARLEE SKIMMER TO BE USED DURING CONSTRUCTION. SEE DETAIL ON SHEET 13
4. 15' COC SCP EASEMENT
5. STREAM CORRIDOR PROTECTION ZONE
6. SAFETY GRATE, SEE DETAIL.
7. SWALE TO CREEK, SEE DETAIL
8. CENTER OF STREAM (SNYDER RUN).
9. CENTER OF STREAM (BARNES DITCH).
10. 100 YR PONDING LIMITS, ELEV. 809.98.

LEGEND

- 888 — PROPOSED CONTOUR & LABEL
- 888 — EXISTING CONTOUR & LABEL
- 88.36 • — TRUNCATED SPOT GRADE MARKER
- EX88.36 • — TRUNCATED SPOT GRADE – MATCH EXISTING
- INLET PROTECTION
- MAJOR FLOOD ROUTING (GREATER THAN 100 YR EVENT)
- (1) — STORM STRUCTURE DESIGNATION
- SEDIMENT FENCE
- 100 YR PONDING LIMITS
- COC SCP EASEMENT
- FEMA 100 YR FLOODPLAIN
- FEMA FLOODWAY
- SCPZ & CONSERVATION EASEMENT LIMITS
- (P) — SCPZ & CONSERVATION EASEMENT POST
- SCPZ & CONSERVATION EASEMENT SIGN

BARNES DITCH

EASEMENT REFERENCE			
CITY NO.	COUNTY RECORDER VOL.	COUNTY RECORDER PAGE	GRANTOR

REVISIONS		
NO.	DESCRIPTION	APPROVAL/DATE

PLAN PREPARED BY:
SANDS DECKER
ENGINEERS & SURVEYORS

DETENTION BASIN PLAN

GRAPHIC SCALE
20 10 0 20
1" = 20'

NORTH

811 Know what's below. Call before you dig.

PROJECT TITLE:
PRIVATE STORM SEWER AND STORMWATER FACILITIES FOR
WEST FORK
ADDRESS

DIVISION USE ONLY	OWNER
	CONTRACTOR
	INSPECTOR
	AGREEMENT / COMPLETED
	RPD / CKD / CLD / CON. DR.
	INDEX DETAIL / RECORD FILE

CITY OF COLUMBUS
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE AND DRAINAGE
DIVISION USE ONLY

SCALE: 1"=20'

SHEET: **9 OF 16**

CONTRACT DRAWING NO.
CC-20187

RECORD PLAN NO.

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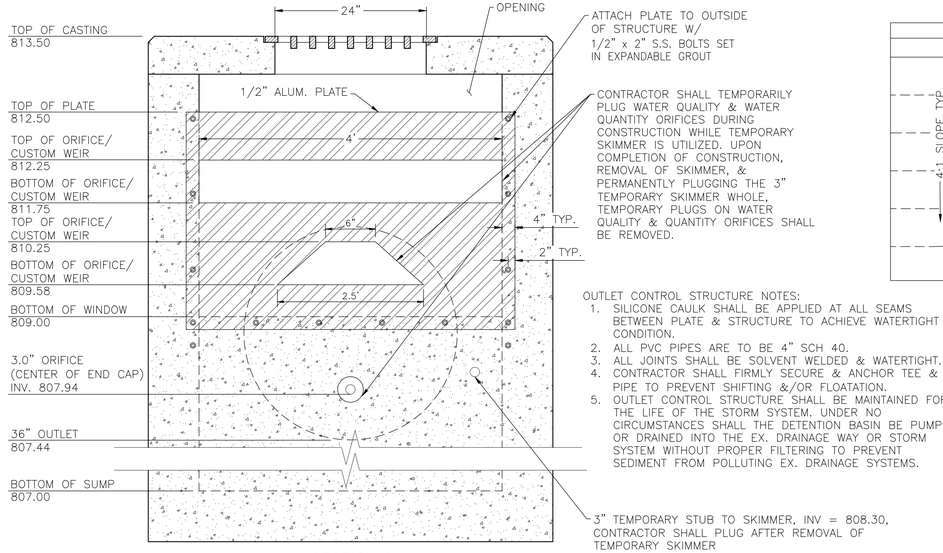
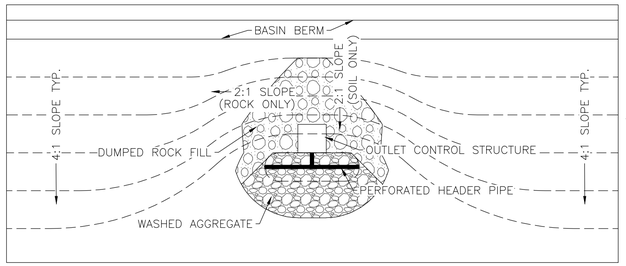


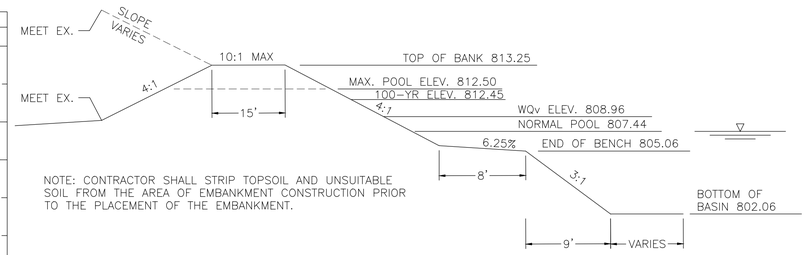
SECTION A

OUTLET CONTROL STRUCTURE NOTES:

1. SILICONE CAULK SHALL BE APPLIED AT ALL SEAMS BETWEEN PLATE & STRUCTURE TO ACHIEVE WATERTIGHT CONDITION.
2. ALL PVC PIPES ARE TO BE 4" SCH 40.
3. ALL JOINTS SHALL BE SOLVENT WELDED & WATERTIGHT.
4. CONTRACTOR SHALL FIRMLY SECURE & ANCHOR TEE & PIPE TO PREVENT SHIFTING &/OR FLOATATION.
5. OUTLET CONTROL STRUCTURE SHALL BE MAINTAINED FOR THE LIFE OF THE STORM SYSTEM. UNDER NO CIRCUMSTANCES SHALL THE DETENTION BASIN BE PUMPED OR DRAINED INTO THE EX. DRAINAGE WAY OR STORM SYSTEM WITHOUT PROPER FILTERING TO PREVENT SEDIMENT FROM POLLUTING EX. DRAINAGE SYSTEMS.

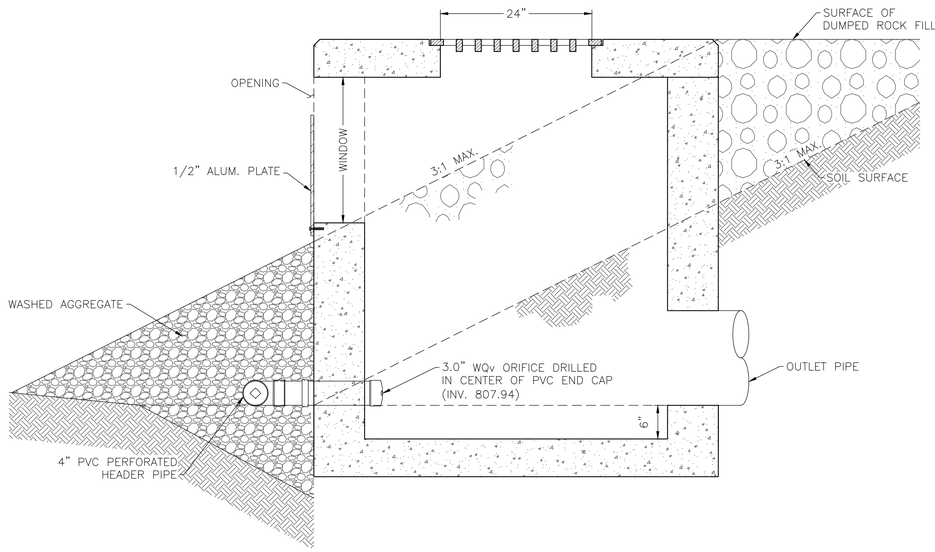


GRADING DETAIL

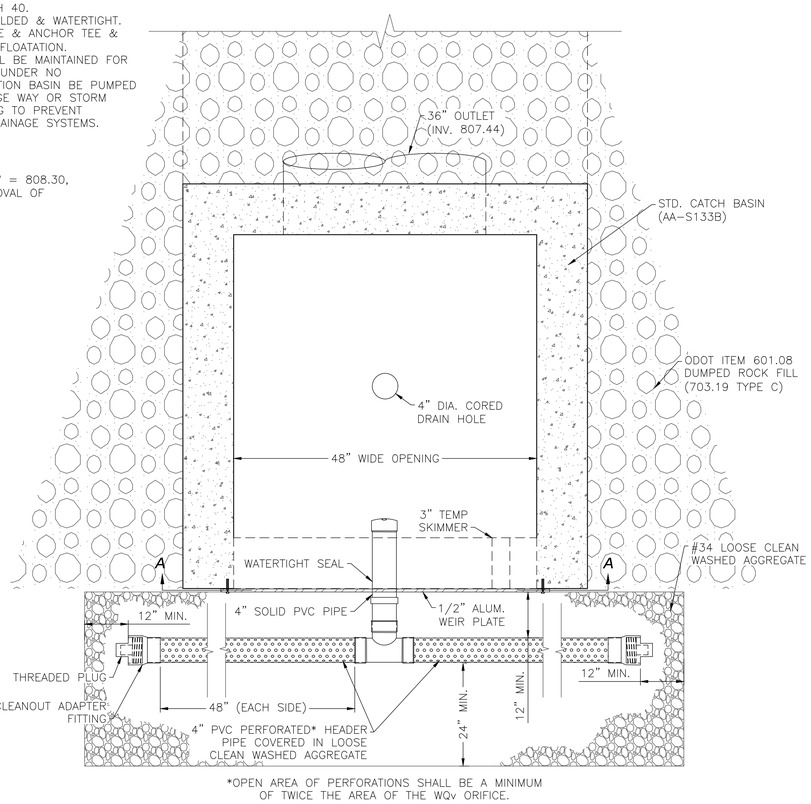


NOTE: CONTRACTOR SHALL STRIP TOPSOIL AND UNSUITABLE SOIL FROM THE AREA OF EMBANKMENT CONSTRUCTION PRIOR TO THE PLACEMENT OF THE EMBANKMENT.

DETENTION BASIN EMBANKMENT SECTION — 1
NOT TO SCALE



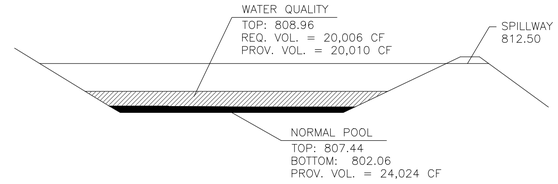
PROFILE



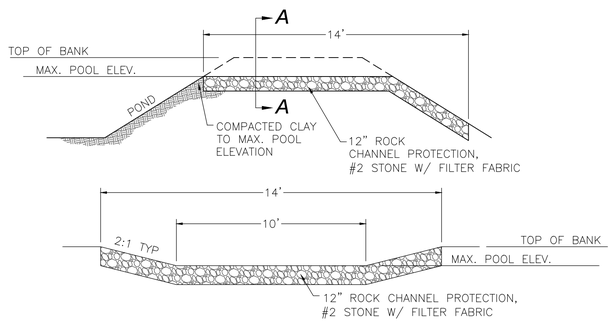
*OPEN AREA OF PERFORATIONS SHALL BE A MINIMUM OF TWICE THE AREA OF THE WQv ORIFICE.

PLAN

OUTLET CONTROL STRUCTURE — 4
NOT TO SCALE



WATER QUALITY — 2
NOT TO SCALE



OVERFLOW WEIR TO BE CONSTRUCTED AFTER TEMPORARY SEDIMENT CONTROL MEASURES HAVE BEEN REMOVED.

OVERFLOW WEIR — 3
NOT TO SCALE

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EASEMENT REFERENCE			
CITY NO.	COUNTY RECORDER VOL.	COUNTY RECORDER PAGE	GRANTOR

REVISIONS		
NO.	DESCRIPTION	APPROVAL/DATE

PLAN PREPARED BY:
SANDS DECKER ENGINEERS & SURVEYORS

OUTLET CONTROL STRUCTURE & DETENTION BASIN DETAILS

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WEST FORK
ADDRESS

DIVISION USE ONLY	OWNER
	CONTRACTOR
	INSPECTOR
	AGREEMENT / COMPLETED
	RPD / CKD / CLD / CON. DR.
	INDEX DETAIL / RECORD FILE

CITY OF COLUMBUS
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE AND DRAINAGE
DIVISION USE ONLY

SCALE:
SHEET: **10 OF 16**
CONTRACT DRAWING NO. **CC-20187**
RECORD PLAN NO.

GRADING KEYNOTES

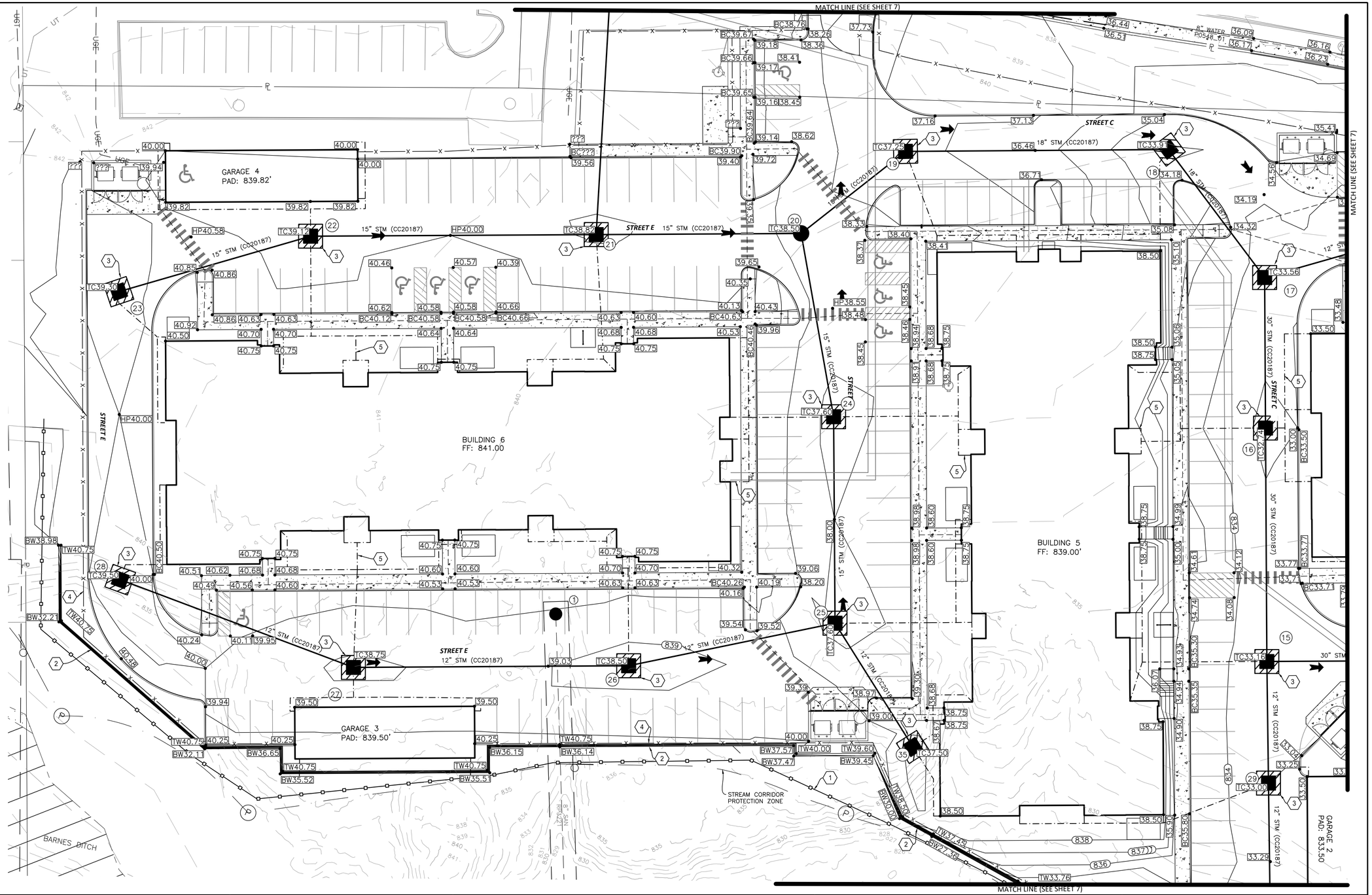
1. SEDIMENT FENCE, SEE DETAIL
2. RETAINING WALL. HEIGHT VARIES, SEE STRUCTURAL PLANS.
3. INLET PROTECTION, SEE DETAIL.
4. PERMANENT FENCE, SEE ARCH. PLANS.
5. 6" ROOF DRAIN, TYP. MIN. 1.0% SLOPE.

NOTES

- ANY EXISTING STORM INLETS IMPACTED BY THE NEW CONSTRUCTION ACTIVITY WILL NEED THE APPROPRIATE INLET PROTECTION FOR SEDIMENT CONTROL.
- FINISHED FLOOR ELEVATIONS OF GARAGES ARE THE ELEVATION AT THE DRIVE APRON. REFER TO ARCH. PLANS FOR INTERIOR GARAGE SLOPES.
- ALL SLOPE 3:1 AND STEEPER SHALL REQUIRE ODOT ITEM 671, TEMPORARY EROSION CONTROL MATTING, TYPE C. INSTALLED AND SECURED ACCORDING TO ODOT STD. DWG. DM-4.2 OR MANUFACTURER'S RECOMMENDATIONS.

LEGEND

- 888 — PROPOSED CONTOUR & LABEL
- 888 — EXISTING CONTOUR & LABEL
- 88.36 ● TRUNCATED SPOT GRADE MARKER
- EX88.36 ● TRUNCATED SPOT GRADE – MATCH EXISTING
- BW88.36 ● TRUNCATED SPOT GRADE – BOTTOM OF WALL
- TW88.36 ● TRUNCATED SPOT GRADE – TOP OF WALL
- BC88.36 ● TRUNCATED SPOT GRADE – BACK OF CURB
- TC88.36 ● TRUNCATED SPOT GRADE – TOP OF CASTING
- INLET PROTECTION
- MAJOR FLOOD ROUTING (GREATER THAN 100 YR EVENT)
- (1) STORM STRUCTURE DESIGNATION
- (1) SANITARY STRUCTURE DESIGNATION
- TEMPORARY SEDIMENT FENCE
- PERMANENT FENCE (SEE ARCH. PLANS)
- ACCESSIBLE ROUTE
- ROOF DRAIN
- SCPZ & CONSERVATION EASEMENT
- FEMA FLOODPLAIN
- SCPZ & CONSERVATION EASEMENT SIGN
- (P) SCPZ & CONSERVATION EASEMENT POST
- FEMA 100 YR FLOODPLAIN
- FEMA FLOODWAY



EASEMENT REFERENCE			
CITY NO.	COUNTY RECORDER VOL.	COUNTY RECORDER PAGE	GRANTOR

REVISIONS		
NO.	DESCRIPTION	APPROVAL/DATE

PLAN PREPARED BY:
SANDS DECKER ENGINEERS & SURVEYORS

GRAPHIC SCALE
20 10 0 20
1" = 20'

NORTH

GRADING PLAN

Know what's below. Call before you dig.

PROJECT TITLE:
PRIVATE STORM SEWER AND STORMWATER FACILITIES FOR
WEST FORK
ADDRESS

DIVISION USE ONLY	OWNER
	CONTRACTOR
	INSPECTOR
	AGREEMENT / COMPLETED
	RPD / CKD / CLD / CON. DR.
	INDEX DETAIL / RECORD FILE

CITY OF COLUMBUS
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE AND DRAINAGE
DIVISION USE ONLY

SCALE: 1"=20'
SHEET: 6 OF 16
CONTRACT DRAWING NO.: CC-20187
RECORD PLAN NO.:

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GRADING KEYNOTES

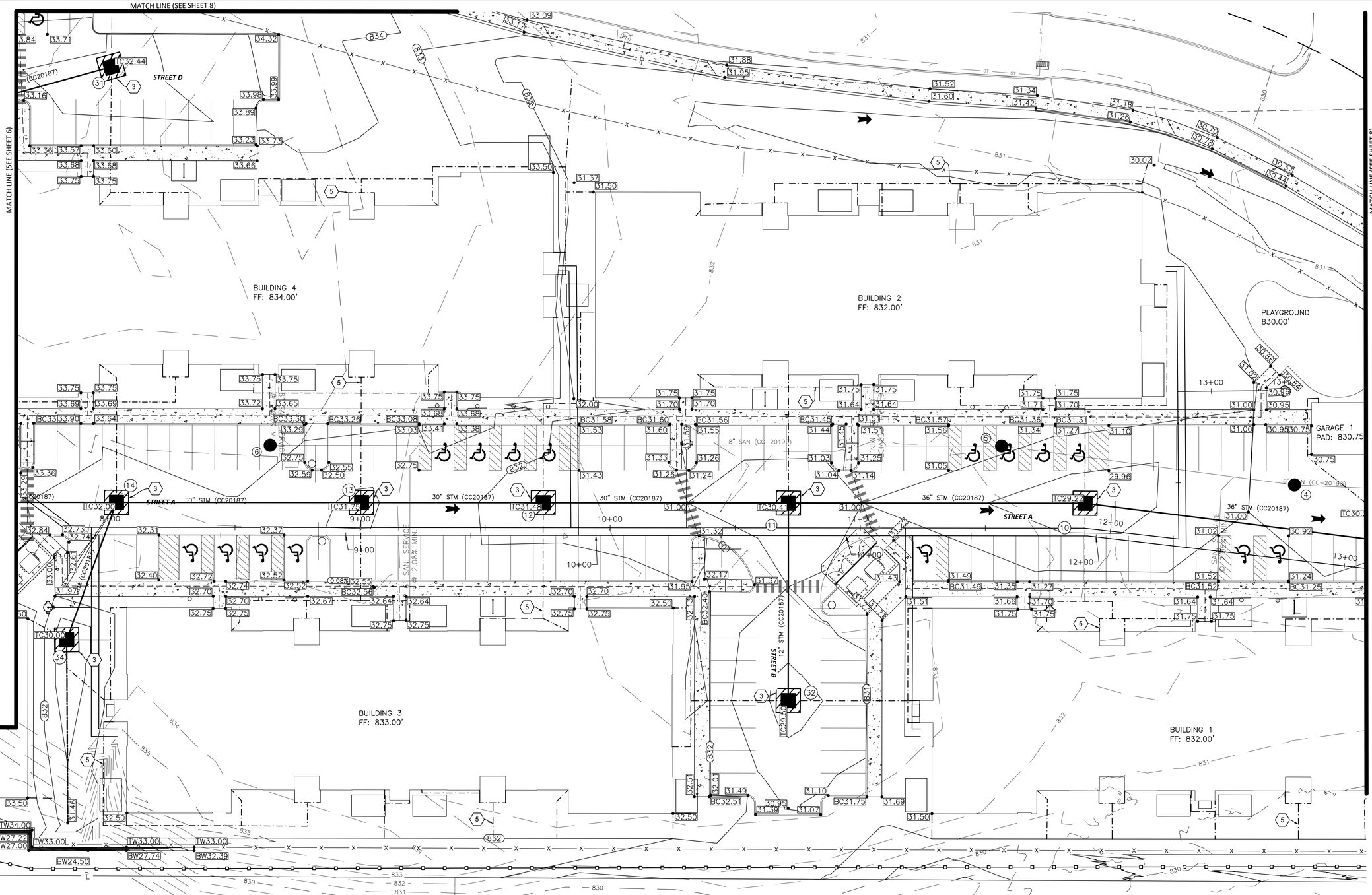
1. SEDIMENT FENCE, SEE DETAIL
2. RETAINING WALL. HEIGHT VARIES, SEE STRUCTURAL PLANS.
3. INLET PROTECTION, SEE DETAIL.
4. PERMANENT FENCE, SEE ARCH. PLANS.
5. 6" ROOF DRAIN, TYP. MIN. 1.0% SLOPE.

LEGEND

- 888 — PROPOSED CONTOUR & LABEL
- 888 — EXISTING CONTOUR & LABEL
- 888.36 ● — SPOT GRADE MARKER
- EX888.36 ● — SPOT GRADE – MATCH EXISTING
- BW888.36 ● — SPOT GRADE – BOTTOM OF WALL
- TW888.36 ● — SPOT GRADE – TOP OF WALL
- INLET PROTECTION
- MAJOR FLOOD ROUTING (GREATER THAN 100 YR EVENT)
- (1) — STORM STRUCTURE DESIGNATION
- (1) — SANITARY STRUCTURE DESIGNATION
- TEMPORARY SEDIMENT FENCE
- PERMANENT FENCE (SEE ARCH. PLANS)
- ACCESSIBLE ROUTE
- FEMA 100 YR FLOODPLAIN
- SCPZ & CONSERVATION EASEMENT LIMITS
- (P) — SCPZ & CONSERVATION EASEMENT POST
- SCPZ & CONSERVATION EASEMENT SIGN

NOTES

- ANY EXISTING STORM INLETS IMPACTED BY THE NEW CONSTRUCTION ACTIVITY WILL NEED THE APPROPRIATE INLET PROTECTION FOR SEDIMENT CONTROL.
- FINISHED FLOOR ELEVATIONS OF GARAGES ARE THE ELEVATION AT THE DRIVE APRON. REFER TO ARCH. PLANS FOR INTERIOR GARAGE SLOPES.
- ALL SLOPE 3:1 AND STEEPER SHALL REQUIRE ODOT ITEM 671, TEMPORARY EROSION CONTROL MATTING, TYPE C. INSTALLED AND SECURED ACCORDING TO ODOT STD. DWG. DM–4.2 OR MANUFACTURER'S RECOMMENDATIONS.



EASEMENT REFERENCE			
CITY NO.	COUNTY RECORDER VOL.	COUNTY RECORDER PAGE	GRANTOR

REVISIONS		
NO.	DESCRIPTION	APPROVAL/DATE

PLAN PREPARED BY:
SANDS DECKER
ENGINEERS & SURVEYORS

GRADING PLAN (CONT.)

GRAPHIC SCALE
20 10 0 20
1" = 20'

NORTH

811 Know what's below. Call before you dig.

PROJECT TITLE:
PRIVATE STORM SEWER AND STORMWATER FACILITIES
FOR
WEST FORK
ADDRESS

DIVISION USE ONLY	OWNER
	CONTRACTOR
	INSPECTOR
	AGREEMENT / COMPLETED
	RPD / CKD / CLD / CON. DR.
	INDEX DETAIL / RECORD FILE

CITY OF COLUMBUS
DEPARTMENT OF PUBLIC UTILITIES
DIVISION OF SEWERAGE AND DRAINAGE
DIVISION USE ONLY

SCALE: 1"=20'
SHEET: 7 OF 16
CONTRACT DRAWING NO. CC-20187
RECORD PLAN NO.

S:\Wittle Property Group 4681 West Fork Multi-Fam Development\Dwg\Wittle 4681 West Fork Master.dwg 3/5/2024 1:41 PM

Appendix V -

Water Supply Documentation

2023
Consumer Confidence Report (CCR)
City of Columbus, OH

THE CITY OF COLUMBUS
ANDREW J. GINTHER, MAYOR
DEPARTMENT OF PUBLIC UTILITIES

REGULATED CONTAMINANTS

Substances we detected (units)	When we checked	What's allowed? (MCL)	What's the goal? (MCLG)	Dublin Road Water Plant		Hap Cremean Water Plant		Parsons Avenue Water Plant		Violation?	Where did it come from?
				Level Found	Range	Level Found	Range	Level Found	Range		
Fluoride (ppm)	2023	4	4	0.94	0.84-0.97	1.04	0.85 - 1.06	0.95	0.81 – 0.98	No	Water additive – protects teeth
Barium (ppm)	2023	2	2	ND	N/A	0.01	N/A	N/A	N/A	No	Erosion of natural deposits
Nitrate (ppm)	2023	10	10	8.7	0.5 – 8.7	0.9	< 0.5 – 0.9	ND	ND	No	Agricultural fertilizer runoff
Atrazine (ppb)	2023	3	3	0.24	< 0.10 – 1.10	0.22	< 0.10 – 0.24	N/A	N/A	No	Agricultural herbicide runoff
Total Trihalomethanes (ppb)	2023	80	No goat set	57.9	16.9 – 79.5	55.6	23.5 – 95.2	22.0	17.8 – 24.6	No	By-product of drinking water chlorination
Total Haloacetic Acids (ppb)	2023	60	No goal set	22.3	8.3 – 31.9	37.6	9.6 – 46.9	6.1	3.8 – 6.7	No	By-product of drinking water chlorination
Total Organic Carbon	2023	TT (removal ratio >1)	No goal set	2.57	2.05 – 3.22	2.65	2.01 - 2.82	N/A	N/A	No	Naturally present in environment
Total Chlorine (ppm)	2023	4 (MRDL)	4 (MRDLG)	1.35	1.22 - 1.51	1.37	1.24 - 1.48	0.95	0.89 – 1.02	No	Disinfectant
Turbidity (NTU)	2023	TT (<1 NTU)	No goal set	0.11	0.00 - 0.11	0.19	0.02 - 0.19	N/A	N/A	No	Soil runoff
		TT (% meeting Std.)	No goal set	100%		100%		N/A			
Bromate (ppb)	2023	10	0	< 8	< 8 – 9	ND	ND	N/A	N/A	No	By-product of drinking water ozonation

Substances we detected (units)	When we checked	Action Level (AL)	What's the goal? (MCLG)	Concentration at 90th percentile	Individual Results over the AL	# of sites found abovethe Action Level	Violation?	Where did it come from?
Lead (ppb)	2023	15	0	1.3	N/A	0 out of 50	No	Corrosion of household plumbing
Copper (ppm)	2023	1.3	1.3	0.049	N/A	0 out of 50	No	Corrosion of household plumbing;Erosion of natural deposits

OTHER WATER QUALITY PARAMETERS OF INTEREST

Substances we detected (units)	When we checked	What's allowed? (MCL)	What's the goal? (MCLG)	Dublin Road Water Plant		Hap Cremean Water Plant		Parsons Avenue Water Plant		Where did it come from?
				Annual Average	Range	Annual Average	Range	Annual Average	Range	
pH (units)	2023	7.0 - 8.5 (SMCL)	No goal set	7.8	7.7 - 7.8	7.8	7.8 - 7.9	7.8	7.8 - 7.9	Treatment process
Hardness (ppm)	2023	No set level	No goal set	125	121 - 134	92	83 - 104	123	121 - 124	Naturally occurring
Hardness (gpg)				7.3	7.1 - 7.8	5.4	4.9 - 6.1	7.2	7.0 - 7.3	
Total Alkalinity (ppm)	2023	No set level	No goal set	62	51 - 80	38	34 - 45	41	40 - 42	Naturally occurring; Treatment process
Sodium (ppm)	2023	No set level	No goal set	56.6	31.0 – 84.4	13.8	11.2 – 20.8	80.0	20.4 – 100.7	Naturally occurring; Treatment process; Road Salt
Potassium (ppm)	2023	No set level	No goal set	5.0	3.6 – 6.7	4.1	3.5 – 6.3	3.6	3.1 – 6.4	Naturally occurring
Sulfate (ppm)	2023	250 (SMCL)	No goal set	94.7	68.9 – 128.1	43.0	37.1 – 51.1	164.5	144.8 – 183.7	Naturally occurring; Treatment process
Chloride (ppm)	2023	250 (SMCL)	No goal set	50.2	30 – 69	24.9	12 – 36	54.8	49 – 60	Naturally occurring; Road Salt
Conductivity (uS/cm)	2023	No set level	No goal set	581	473 - 684	283	247 - 340	697	624 – 750	Naturally occurring; Treatment process; Road Salt

If you have any questions about this data please call the Columbus Water Quality Assurance Lab at 614-645-7691, go to **www.columbus.gov/Utilities/** , or email us at **WaterQuality@columbus.gov** .

UNREGULATED CONTAMINANTS

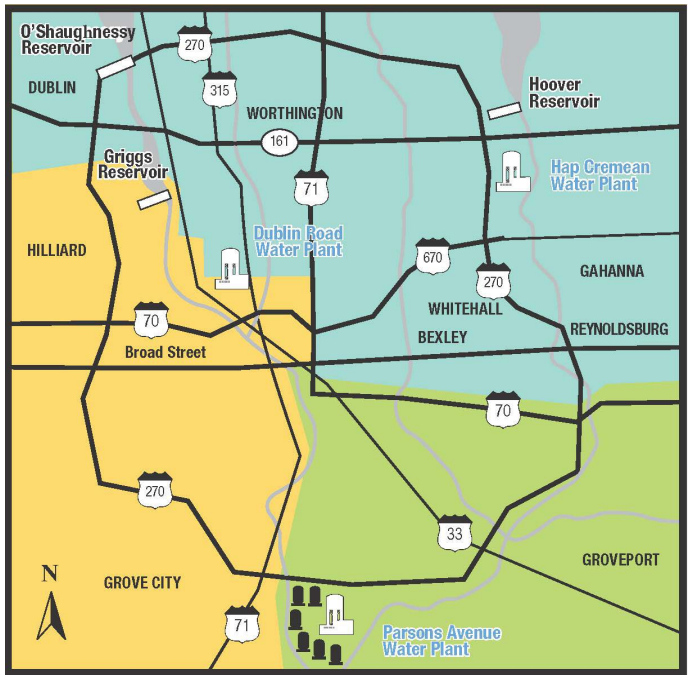
Substances we detected (units)	When we checked	What's the goal? (MCLG)	Dublin Road Water Plant		Hap Cremean Water Plant		Where did it come from?
			Range of Detections	Level Found	Range of Detections	Level Found	
Metolachlor (ppb)	2023	N/A	< 0.20 – 0.36	< 0.20	ND	ND	Agricultural herbicide runoff
Manganese (ppb)	2023	N/A	< 10 - 10	< 0.10	N/A	N/A	Naturally occurring

YOUR 2023 WATER QUALITY REPORT

The goal of the Division of Water is to ensure that any contaminants in your drinking water are restricted below a level at which there is no known health risk. This report shows the types and amounts of key elements in your water supply, their likely sources and the maximum contaminant level (MCL) that the EPA considers safe. The water delivered to your home meets ALL of the requirements of the Safe Drinking Water Act (SDWA). We use a complex multi-barrier treatment process to assure safe drinking water is delivered to our customers. If for any reason the standards are not met, the public will be notified.

Please share this information with other people who drink this water, especially those who may not have received it directly (for example, people in apartments, nursing homes, schools and businesses). You can do so by posting this report in a public place or distributing copies by hand or mail. You can request additional copies by calling customer service at 614-645-8276, emailing WaterQuality@columbus.gov, or viewing online at columbus.gov/Water-CCR/.

WATER SERVICE AREA MAP



The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. Each home, school and business in the greater Columbus area receives water from one of the following three water plants:

- Dublin Road Water Plant (DRWP) serves northwestern and southwestern residents using water from Griggs and O'Shaughnessy Reservoirs.
- Hap Cremean Water Plant (HCWP) serves OSU and northern residents. The water source is the Hoover Reservoir.
- Parsons Avenue Water Plant (PAWP) draws water from wells and serves residents in the southeast.

DEFINITIONS AND TERMS

Action Level (AL) ..... The concentration of a contaminant, which if exceeded, triggers treatment or other requirements that a water system must follow.

Maximum Contaminant Level Goal (MCLG) ..... The level of a contaminant in drinking water, below which there is no known or expected health risk. MCLGs allow for a margin of safety.

Maximum Contaminant Level..... The highest level of contaminant that is allowed in drinking water. MCLs are set as close to the MCLG as feasible using the best available treatment technology.

Secondary MCL (SMCL) ..... A nonenforceable numerical limit set by the USEPA for a contaminant on the basis of aesthetic effects to prevent an undesirable taste, odor, or appearance.

N/A ..... Not Applicable

ND ..... No Detect

NTU ..... Nephelometric Turbidity Unit (a measure of particles held in suspension in water).

Parts per Trillion (ppt) or Nanograms per Liter (ng/L) ..... Are units of measurement for concentration of a contaminant. A part per trillion corresponds to about thirty seconds out of every million years.

Parts per Billion (ppb) or Micrograms per Liter (ug/L) ..... Are units of measurement for concentration of a contaminant. A part per billion corresponds to one second in roughly 31.7 years

Parts per Million (ppm) or Milligrams per Liter (mg/L) ..... Are units of measurement for concentration of a contaminant. A part per million corresponds to one second in roughly 11.5 days.

Grains per Gallon (gpg) ..... A non-metric unit of measurement for hardness used in North America.

Microsiemens per Centimeter (uS/cm) …… Are units of measurement for electrical conductivity. Freshwater is usually between 0 and 1,500 uS/cm, while sea water has a conductivity value of about 50,000 uS/cm.

MRDL .....Maximum Residual Disinfectant Level: The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

MRDLG .....Maximum Residual Disinfectant Level Goal: The level of drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

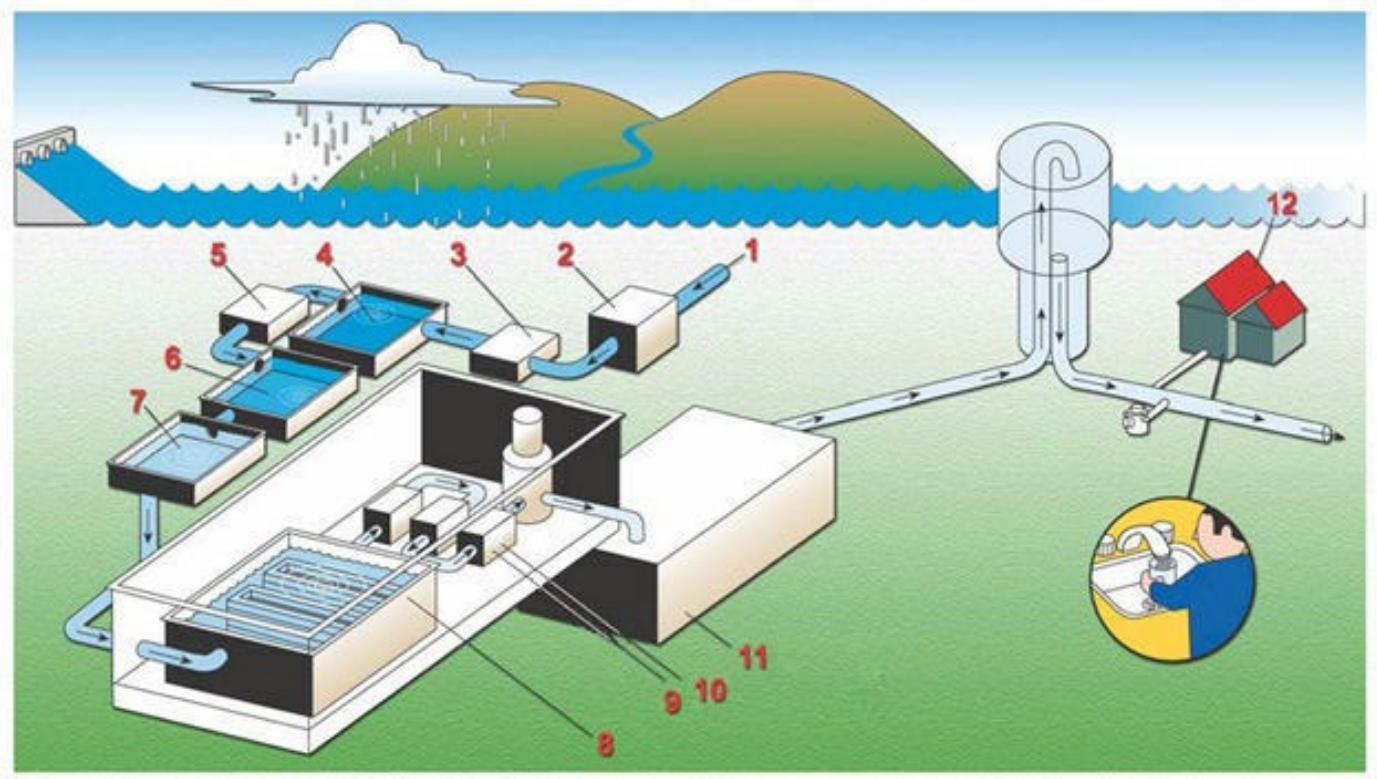
The “>” symbol .....This symbol means “greater than.”

The “<” symbol …….. .....This symbol means “less than.” For example, a result of < 5 means that the lowest level that could be detected was 5 and the contaminant in that sample was not detected.

Per- and polyfluoroalkyl substances (PFAS) …… PFAS are a group of man-made chemicals applied to many industrial, commercial and consumer products to make them waterproof, stain resistant, or nonstick. PFAS are used in products like cosmetics, fast food packaging, and a type of firefighting foam called aqueous film forming foam (AFFF) which are used mainly on large spills of flammable liquids, such as jet fuel. PFAS are classified as contaminants of emerging concern, meaning research into the harm they may cause to human health is still ongoing.

Treatment Technique (TT) ……..A required process intended to reduce the level of a contaminant in drinking water. For Total Organic Carbon (TOC) the level must be above 1. For turbidity the level must be under 0.3 NTU 95% of the time, and always < 1 NTU.

Turbidity …… A measurement of the cloudiness of the water. We monitor turbidity because it is a good indication of water quality and the effectiveness of our treatment process.



THE WATER TREATMENT PROCESS

The City of Columbus, Division of Water uses a complex multi-barrier approach utilizing state of the art equipment and the latest treatment technologies.

Water flows (1) to the treatment plant from the reservoir or stream through rotating screens (2) to remove large debris. It is then pumped into the plant where alum is added (3) to cause coagulation. After rapid mixing, the water remains in the settling basin (4) while sedimentation of floc occurs (2-4 hours). The water treatment residuals (settled floc) are pumped from the bottom of the pools and stored in holding lagoons to dry.

The softening process (5) involves the addition of sodium carbonate (soda ash) or caustic soda and hydrated lime to remove calcium and magnesium ions that are responsible for water hardness. This process takes an additional 2-4 hours. For each pound of chemical used in the treatment process, two pounds are removed.

After an additional sedimentation process, carbon dioxide is added (6) to lower the pH level to approximately 7.8. Ozone is then added to the water to reduce dissolved organic matter (7). Water then flows through large biologically active filters made up of granular activated carbon (8) to remove any remaining particles and further reduce dissolved organic matter. After the biologically active filters the water flows through UV contactors where UV light is used to disinfect the water (9).

Addition of chlorine to disinfect the water, fluoride to protect teeth and a corrosion inhibitor take place at the end of the process (10) before water enters large underground clearwells (11) to be held until needed by the community (12).

Please note: When ground water is used (as in the case of the Parsons Avenue Water Plant), screening (2), initial sedimentation (3, 4), ozone (7), and UV disinfection (9) are not needed.

WATER QUALITY ASSURANCE

The City of Columbus' Water Quality Assurance Laboratory (WQAL) is a large modern water lab with a long history of distinguished public service starting under the noted water quality chemist Charles Hoover. The lab continues to maintain that tradition of excellence and technical innovation in the ongoing use of state-of-the-art equipment for water analysis, while continuing to research the latest advancements in water treatment techniques.

The WQAL performs water quality monitoring and treatment research to ensure that Columbus' drinking water meets or is better than all federally mandated Safe Drinking Water Act (SDWA) standards. The WQAL also provides water quality information to the water plants and addresses customer complaints and inquiries regarding water quality. In 2023, the WQAL's EPA licensed and certified laboratory staff completed over 70,000 analyses relating to 33 different organic, inorganic, and microbiological water quality parameters.

To maintain compliance with current SDWA regulations, WQAL activities in 2023 were again directed at the National Primary Drinking Regulations, the Interim Enhanced Surface Water Treatment Rule, the Lead and Copper Rule, the Unregulated Contaminant Monitoring Rule (UCMR), Stage 2 of the Disinfectant/Disinfection Byproducts Rule (D/DBP), and the Long Term 2 Enhanced Surface Water Treatment Rule (LT2ESWTR). Additionally, the lab has been closely involved in planning the improvement of watershed and water distribution system surveillance and detection measures for security concerns and to maintain heightened security protocols.

As with the WQAL staff, the State of Ohio licenses and certifies the water plant operators who are charged with running and maintaining each of the three water plants. These operators also perform the critical task of treatment and process monitoring to insure that the water leaving the plant is of the highest quality. In order to stay current in the ever-changing technical field of water purification, these operators spend many hours of continuing education in the classroom every year.

These operators, the Water Quality Assurance Laboratory staff, and all of the Division of Water employees are dedicated to providing WATER, a life-sustaining resource, for the well-being and economic vitality of the community. This is our mission.

SOURCE WATER ASSESSMENT INFORMATION

A high-quality source water supply allows the Division of Water to provide consumers with quality water at a reasonable cost. Protecting our raw water sources requires investments to secure the needs of a growing population, now and in the future. As part of its on-going efforts to maintain regulatory compliance and monitor our water supply, the Division of Water has completed two Source Water Assessment Plans – one for groundwater and one for surface water. Both plans are endorsed by the Ohio Environmental Protection Agency (OEPA) as an effective source water protection strategy. Below is a synopsis of the results.

The City of Columbus water system uses surface water from the Scioto River and Big Walnut Creek, as well as ground water pumped from sand and gravel deposits of the Scioto River Valley. All three sources of water have a relatively high susceptibility to contamination from spills or releases of chemicals. The ground water pumped at the Parsons Avenue plant is susceptible (compared to other ground water systems) because there is no significant clay overlying and protecting the aquifer deposits. The Scioto River and Big Walnut Creek are even more susceptible because they are more accessible and less protected from spills.

The drinking water source protection areas for the City of Columbus' three water sources contain numerous potential contaminant sources, especially the protection area for the Dublin Road Water Plant (extending along the Scioto River). These include industrial activities, storm water runoff from developing areas, and a heavily traveled transportation network running alongside and over the water bodies. Run-off from agricultural fields is a concern in both the Scioto River and Big Walnut Creek watersheds.

The City of Columbus treats the water to meet drinking water quality standards, but no single treatment protocol can address all potential contaminants. The City has been proactive in pursuing measures to further protect its source waters. These include land stewardship programs and incentive-driven programs to reduce erosion and run-off of pesticides and fertilizers into the Scioto River and Big Walnut Creek and their reservoirs. A summary of Columbus' Drinking Water Source Assessment Report can be viewed by calling the Watershed section at 614-645-1721. Visit columbus.gov/watershed/ for more details about watershed management and the land stewardship program.

WHAT'S NOT IN YOUR WATER

Reports in the media often raise concerns about the health risks associated with the presence of certain minerals, chemicals, or other contaminants in your food or water. The Columbus Division of Water performs tens of thousands of tests each year to ensure drinking water quality. Many substances for which the division tests never appear in this report because they are not found in the drinking water. For example, there are 51 volatile organic chemicals as well as arsenic, perchlorate, asbestos, MTBE, radium 228, Legionella, microcystins, mercury, 1,2,3-trichloropropane (TCP) and ammonia (just to name a few) that are NOT found in your drinking water.

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

Contaminants that may be present in source water include: microbial contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations and wildlife; inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban storm water runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming; pesticides and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses; organic chemical contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems; and radioactive contaminants, which can be naturally occurring or the result of oil and gas production and mining activities.

In order to ensure that tap water is safe to drink, USEPA prescribes regulations which limit the amount of certain contaminants in drinking water provided by public water systems. FDA regulations establish limits for contaminants in bottled water, which must provide the same protection for public health.

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline at 1-800-426-4791.

LEAD IN THE HOME

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. The City of Columbus is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for thirty seconds to three (3) minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested.

A list of laboratories certified in the State of Ohio to test for lead may be found at epa.ohio.gov/divisions-and-offices/drinking-and-ground-waters/public-water-systems/monitoring-and-reporting or by calling 614-644-2752. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline at 1-800-426-4791 or at epa.gov/safewater/lead.

The lead concentration in the drinking water leaving our water plants is below the level of detection. Most homes in the Columbus area do not have lead service lines and have little to no detectable levels of lead in their tap water.

You can also call 614-645-8276 for your free copy of "Reducing Exposure to Lead in Water." This information can also be found online at columbus.gov/LeadinWater/. Our lead program is being used to meet a portion of the notification requirements of OAC Rule 3745-83-02.

PROTECTING OUR WATER FROM BACKFLOW

Homes with underground irrigation systems and most non-residential buildings are required by the Division of Water to have a backflow prevention device. These backflow devices protect the public water system from any potentially contaminated water flowing back into the public system from a customers' plumbing. Some examples requiring backflow systems include: swimming pools, restaurants, medical facilities, laboratories, car washes, automotive shops, industrial sites and property with a well or pond.

A cross-connection is a physical connection between a possible source of contamination and the drinking water system piping. If the pressure of the source of contamination is greater than the water system pressure, contaminated water may backflow into the drinking water system. Pressure drops in the public water system caused by water line breaks, pump failures, and fire-fighting can also cause a backflow situation. If our rules and regulations require a backflow preventer, it must be tested annually by a tester you hire who is approved by our office. Additional information is on our website at columbus.gov/backflow/.

HEALTH CONCERNS

Columbus' water is regularly tested for organisms that could be harmful to people – including *Cryptosporidium*. Crypto was detected 3 out of 10 times in the Scioto River and 5 out of 9 times in Big Walnut Creek. Crypto was not detected in either the DRWP tap water or the HCWP tap water. PAWP's source water is groundwater and is not impacted by surface water contaminants like Crypto.

Cryptosporidium is a microbial pathogen found in surface water throughout the U.S. Although filtration removes *Cryptosporidium*, the most commonly used filtration methods cannot guarantee 100% removal. Monitoring of source water indicates the presence of these organisms. Current test methods do not enable us to determine if the organisms are dead or if they are capable of causing disease.

Symptoms of infection include nausea, diarrhea, and abdominal cramps. Most healthy individuals can overcome the disease. However, immuno-compromised people are at greater risk of developing life-threatening illness. We encourage immune-compromised individuals to consult their doctor regarding appropriate precautions to take to avoid infection. *Cryptosporidium* must be ingested to cause disease and it may be spread through means other than drinking water.

Columbus has a multi-barrier approach to disinfection utilizing both chemical and physical disinfection treatment. Chlorine is used as the primary and secondary disinfectant to kill disease-causing organisms, which includes viruses and Giardia. Ultraviolet (UV) light disinfection was recently added for additional disinfection at both DRWP and HCWP. UV disinfection is effective at inactivating *Cryptosporidium*.

NEWBORNS AND NITRATE

Nitrate in drinking water at levels above 10 ppm is a health risk to infants less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant, you should ask for advice from your health care provider.

Seasonally, the Scioto River can experience elevated levels of nitrate due to agricultural runoff. To reduce the health risk to infants the City of Columbus added a treatment process, called anion exchange, to the Dublin Road Water Plant to remove nitrate. Anion exchange works like a water softener and pulls nitrate from the water as it flows through a bed of resin beads. Extensive water quality testing in the watershed upstream of the water plant by the Water Quality Assurance Laboratory helps to determine when we need to turn on the anion exchange system. Then additional water quality testing of the finished drinking water confirms that the nitrate level has been reduced below 10 ppm and is safe for infants.

Additional information about nitrates can be found online at columbus.gov/Nitrate/.

TOTAL ORGANIC CARBON

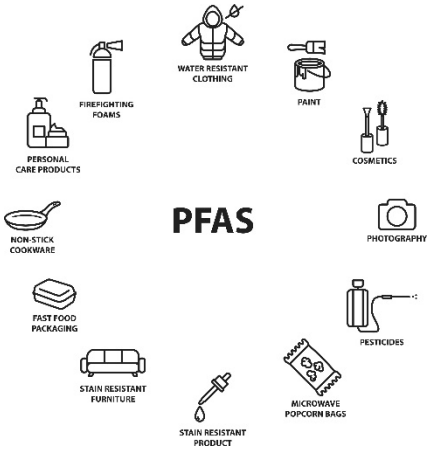
The value reported under "Level Found" for Total Organic Carbon (TOC) is the lowest running annual average ratio between the percentage of TOC actually removed to the percentage of TOC required to be removed. A value of greater than one indicates that the water system is in compliance with TOC removal requirements. A value of less than one indicates a violation of the TOC removal requirements. The value reported under "Range" for TOC is the lowest monthly ratio to the highest monthly ratio.

TURBIDITY

Utilities that treat surface water and/or filter the water are required to monitor for turbidity which is a measure of the cloudiness of water and is an indication of the effectiveness of our filtration system. The turbidity limit set by the EPA is 0.3 NTU in 95% of the samples analyzed each month, shall not exceed 1 NTU at any time. The highest recorded turbidity for HCWP was 0.19 NTU and the lowest monthly percentage of samples meeting the standard was 100%. The highest recorded turbidity for DRWP was 0.11 NTU and the lowest monthly percentage of samples meeting the standard was 100%. We are required to monitor your drinking water for turbidity on a regular basis. Results of regular monitoring are an indicator of whether or not your drinking water meets health standards.

PFAS

Per- and Polyfluoroalkyl Substances (PFAS) are a group of man-made chemicals applied to many industrial, commercial and consumer products to make them waterproof, stain resistant, or nonstick. They are used in products like cosmetics, fast food packaging, and a type of firefighting foam called aqueous film forming foam (AFFF), which are used mainly on large spills of flammable liquids, such as jet fuel. PFAS are classified as contaminants of emerging concern, meaning that research into the harm they may cause to human health is still ongoing.



Although it is not required by Ohio EPA, Columbus has been testing for PFAS compounds in your drinking water to be proactive and protective of public health. Several PFAS compounds have been found at very low levels, near the detection limits of the test. All the results to date have been well below the action level established by Ohio EPA.

Currently, USEPA is developing a draft drinking water regulation for two PFAS compounds, PFOS and PFOA. According to the USEPA PFAS Strategic Roadmap, a new MCL should be finalized in 2024. For more information about PFAS, please visit the Ohio EPA PFAS in Drinking Water at epa.ohio.gov/monitor-pollution/pollution-issues/per-and-polyfluoroalkyl-substances-pfas.

HOW TO CONTACT US

For additional information or questions about Columbus water quality
please call the Water Quality Assurance Lab at 614-645-7691, or visit our website at
columbus.gov/drinkingwater/.

For questions involving billing, accounts, service calls, bill payments, and additional CCR copies please contact Customer Service at: 614-645-8276.

For questions involving water emergencies, waterline breaks, hydrant damage or leaks,
please contact Distribution Maintenance at: 614-645-7788.

We're interested in your questions and concerns about your water.
The Sewer and Water Advisory Board meetings are open to the public.
Call 614-645-6141 for a schedule of meeting times and dates.

Call 311 for city services or 614-645-3111, or visit the web at columbus.gov/311/.

THE CITY OF
COLUMBUS
ANDREW J. GINTHER, MAYOR

DEPARTMENT OF
PUBLIC UTILITIES

Division of Water
910 Dublin Road
Columbus, OH 43215

columbus.gov/utilities/

The City of Columbus has a current,
unconditioned license to operate our public water system.

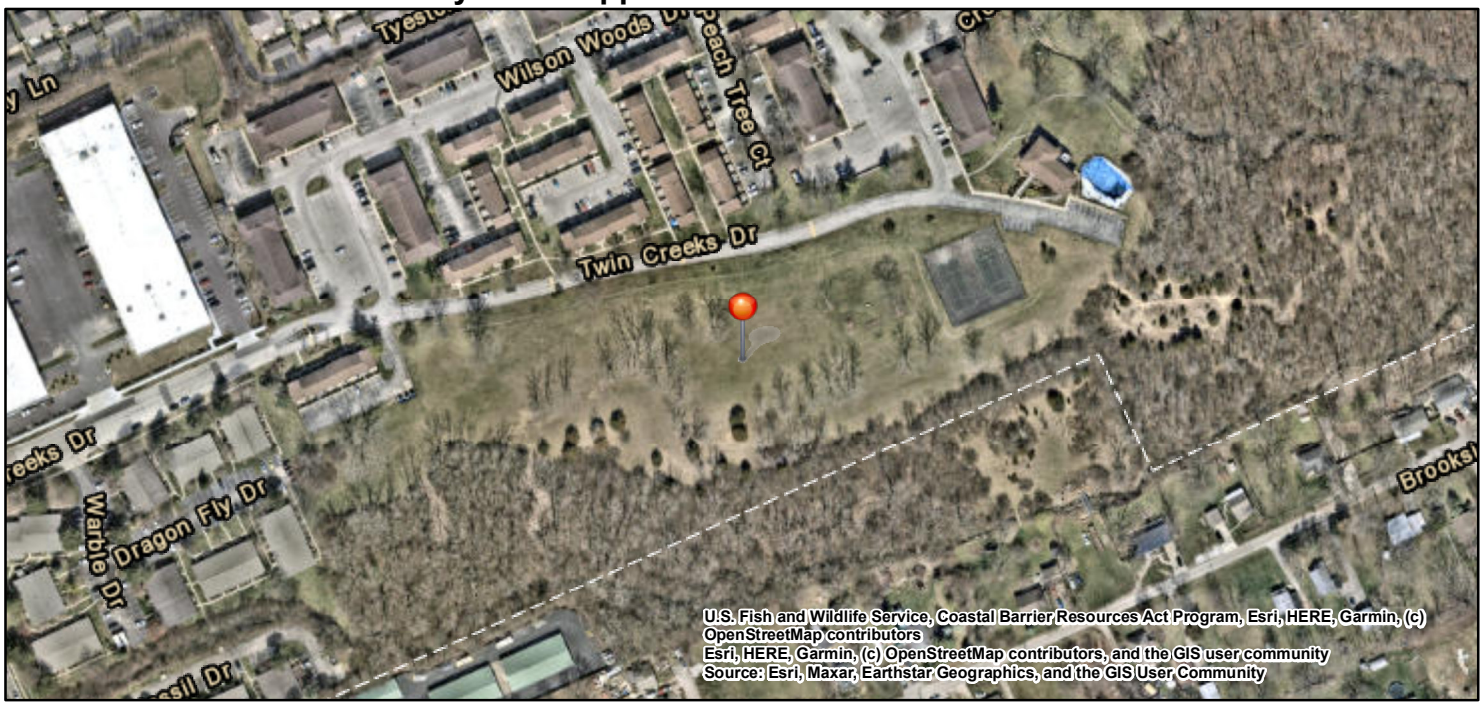
OhioEPA
Division of Drinking and Ground Waters
Certified

Appendix W -

Coastal Barrier Resources System Map

U.S. Fish and Wildlife Service

Coastal Barrier Resources System Mapper Documentation



CBRS Units

Otherwise Protected Area
System Unit
CBRS Buffer Zone
-83.09832, 39.980226

0 65 130 260 390 ft

1:4,514

The pin location displayed on the map is a point selected by the user. Failure of the user to ensure that the pin location displayed on this map correctly corresponds with the user supplied address/location description below may result in an invalid federal flood insurance policy. **The U.S. Fish and Wildlife Service (Service) has not validated the pin location with respect to the user supplied address/location description below. The Service recommends that all pin locations be verified by federal agencies prior to use of this map for the provision or denial of federal funding or financial assistance**. Please note that a structure bisected by the Coastal Barrier Resources System (CBRS) boundary (i.e., both "partially in" and "partially out") is within the CBRS and therefore affected by CBRA's restrictions on federal flood insurance. A pin placed on a bisected structure must be placed on the portion of the structure within the unit (including any attached features such as a deck or stairs).

User Name: Devin Starr
User Organization: August Mack Environmental
User Supplied Address/Location Description: West Fork Apartments
Pin Location: Outside CBRS
Pin Flood Insurance Prohibition Date: N/A
Pin System Unit Establishment Date: N/A

The user placed pin location is not within the CBRS. The official CBRS maps are accessible at https://www.fws.gov/library/collections/official-coastal-barrier-resources-system-maps.

The CBRS information is derived directly from the CBRS web service provided by the Service. This map was exported on 7/25/2024 and does not reflect changes or amendments subsequent to this date. The CBRS boundaries on this map may become superseded by new boundaries over time.

This map image may be void if one or more of the following map elements do not appear: basemap imagery, CBRS unit labels, prohibition date labels, legend, scale bar, map creation date. For additional information about flood insurance and the CBRS, visit: https://www.fws.gov/node/263838.

Appendix X -

Standard Mitigations Signed Agreement

Attachment A: Standard Mitigations

1. No construction activity, purchase of property, or other choice limiting activities (as detailed in Section II of the OHFA Environmental Review Standards dated May 2016) will occur in advance of the completion of the environmental review record.

2. Any proposed changes to the project must be conveyed to OCD and OHFA promptly. The Environmental Review must be reevaluated by OCD and OHFA prior to initiation of any proposed changes.

3. Project personnel shall be notified, both verbally and through notations on the final construction drawings, that work shall be halted and OCD and OHFA notified immediately if archaeological remains are discovered during construction to allow for coordination with SHPO regarding appropriate actions.

4. If an additional phase or affiliated project is proposed by a member of the current project team, this additional work must be coordinated with SHPO, prior to initiation and regardless of the funding source.

5. Best Management Practices and Reasonably Available Control Measures [OAC Rule 3745-17-08(B)] shall be employed by the Contractor to control fugitive dusts during construction activities.

6. Construction drawings/specifications shall be modified to include the following statement: "The Contractor shall at no time incorporate any materials that are composed of or contain any amount of asbestos. The substitution of materials that contain any amount of asbestos will in no circumstances be acceptable. Upon completion of the project, the Contractor and Project Architect shall submit written statements or certifications asserting that no asbestos containing materials were used in any portion of the construction."

7. Noise-producing construction activities should be avoided during the designated noise-sensitive period (10:00 pm to 7:00 am).

8. Project personnel shall be notified, both verbally and through notations on the final construction drawings, that work shall be halted if indicators of contamination (fill other than "clean hard fill," discolored soils or chemical/petroleum odors) are identified during construction to allow for a qualified environmental professional to inspect the site and make recommendations regarding appropriate actions.

9. Unless the project provides documentation that it is exempt, a site specific Storm Water Pollution Prevention Plan must be developed in accordance with the NPDES Construction Storm Water Permit, which will detail the appropriate Best Management Practices to control erosion until final site stabilization is achieved. In accordance with the construction storm water permit, site inspections must be conducted at least every 7 days and within 24 hours after a significant rain event. During the site inspections, erosion control measures should be observed to ensure

they are functioning correctly. If the project is exempt from construction storm water permitting, no Storm Water Pollution Prevention Plan is required but the Contractor must follow storm water management best practices during construction to prevent erosion and siltation of runoff from any excavated or exposed soils.

10. The Project Sponsor/Project Developer shall ensure that contractors arrange for proper disposal at appropriately-licensed facilities of all solid and/or hazardous waste generated by the construction, as well as any materials currently dumped on the property. The Property Manager will contract with a public or private hauler for removal of waste generated by the occupant households, or will ensure that residents have arranged for trash removal with the local service provider. For elderly residents, the Property Manager shall ensure that trash removal is arranged for residents who are not physically capable of removing their household wastes.

11. The Property Manager shall notify prospective tenants that the unit was constructed as part of a federally funded project and that an environmental review of the project was completed as required under the National Environmental Policy Act. The Property Manager shall advise tenants that the review will be maintained on file by the Project Sponsor throughout the tax credit period and is available for review by the prospective tenant.

12. The Project will follow Occupational Safety and Health Administration (OSHA) recommendations and guidelines during construction activities to ensure worker and public safety. This will include safety equipment to be worn by workers and barriers to public access.

13. Prior to move-in, management shall advise tenants, in person, of safety precautions, including use of locks and other safety features, 911 emergency service, and available neighborhood watch programs.

14. All units shall be equipped with air conditioning systems

15. A spill response kit should be present on the site during construction activities and chemical storage on-site should be minimized.

I have reviewed the above listed standard mitigations for federally funded projects in the state of Ohio and agree to comply with them upon implementation of the project. I understand that project specific mitigations will be developed during the course of the environmental review record, and a review of these additional mitigations will also be necessary.

Name _____ Date 3/20/24

Appendix Y:

Determination Signatures

DETERMINATION OF THE OHIO DEPARTMENT OF DEVELOPMENT

On the basis of the environmental assessment of the above project, I have made the following finding:

Finding of No Significant Impact (FONSI) [24 CFR 58.40(g)(1); 40 CFR 1508.27] The project will not result in a significant impact on the quality of the human environment.	X
Finding of Significant Impact [24 CFR 58.40(g)(2); 40 CFR 1508.27]The project may significantly affect the quality of the human environment.	

Certifying Officer Name:	Ms. Lydia L. Mihalik, Director, Ohio Department of Development
Address:	77 South High Street, Columbus, Ohio 43215
Signature:	E-SIGNED by Patrick Smith on 2024-08-09 11:51:29 EST
Date:	2024-08-09 11:51:29 UTC

Appendix Z -

Published Notice: Finding of No Significant Impact (FONSI) and Notice of Intent to Request Release of Funds (NOI/RROF)

No documents have been associated with this appendix.

Appendix AA -

Request for Release of Funds (RROF)

No documents have been associated with this appendix.

Appendix AB -

Release of Funds (ROF)

No documents have been associated with this appendix.