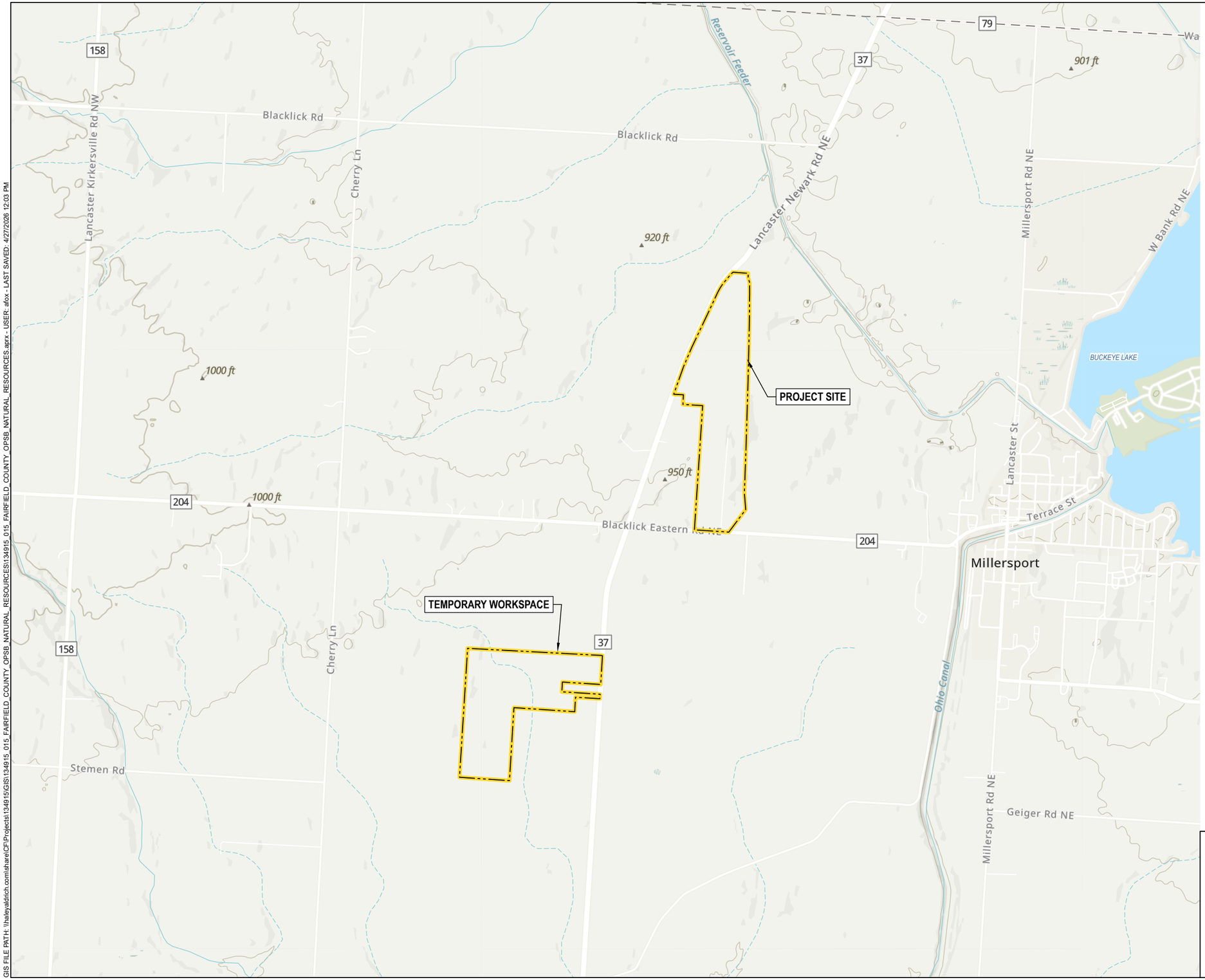


LEGEND

PROJECT AREA



NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. TOPOGRAPHIC BASE MAP SOURCE: ESRI

N

0 2,000 4,000

SCALE IN FEET

HALEY ALDRICH

FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

PROJECT AREA LOCATION (TOPOGRAPHIC MAP)

MAY 2026

FIGURE 02-1

GIS FILE PATH: \\haleyaldrich.com\share\CF\Projects\134915\GIS\134915_015_FAIRFIELD_COUNTY_OPSB_NATURAL_RESOURCES\134915_015_FAIRFIELD_COUNTY_OPSB_NATURAL_RESOURCES.aprx - USER: afox - LAST SAVED: 4/27/2026 12:03 PM



LEGEND

PROJECT AREA



NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. AERIAL IMAGERY SOURCE: NEARMAP, AUGUST 31, 2025

N

0 1,250 2,500

SCALE IN FEET

HALEY ALDRICH

FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

PROJECT AREA LOCATION
(AERIAL MAP)

MAY 2026

FIGURE 02-2

GIS FILE PATH: \\haleyaldrich.com\share\CP\Projects\134915\GIS\134915_015_FAIRFIELD_COUNTY_OPSB_NATURAL_RESOURCES\134915_015_FAIRFIELD_COUNTY_OPSB_NATURAL_RESOURCES.aprx - USER: afox - LAST SAVED: 4/27/2026 12:03 PM

TASK	2025				2026				2027				2028				2029			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Preliminary Development																				
Acquisition of Land and Right of Ways																				
Wildlife and Environmental Studies																				
Ohio Power Siting Board Process																				
Pre-application Meeting																				
Conduct 2 Public Meetings																				
Application Preparation																				
File OPSB Application																				
Complete Application to Approval																				
Issuance of Certificate																				
Final Design & Construction																				
Project Design																				
Construction of the Project																				
Temporary Power Delivery																				
First Permanent Power Online																				
Project in Full Commercial Operation																				

HALEY ALDRICH

FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

PROJECT SCHEDULE

FIGURE 03-1

KIRKERSVILLE
PALMER RD
TWP HWY 36
THACA RD TWP HWY 147
SWAMP RD TWP HWY 144
South Fork Licking River
Bloody Run
Bell Run
CHERRY LN
CO HWY 58
LAKESIDE RD NE CO HWY 5
MILLERSPORT RD NE
BALLARD LN
W BANK RD NE
Buckeye Lake
MAPLE AVE
MILLERSPORT
LANCASTER ST
GIFT ST
SUMMIT ST
TERRACE ST
E CANAL DR
CHAUTAUQUA BLVD
5TH AVE
6TH AVE
S BANK RD
MILL ST
MAIN ST
DEEP CUT RD
BROAD ST
CANAL RD

LEGEND

STRUCTURE TYPE
- AGRICULTURE
- COMMERCIAL
- RESIDENTIAL
- UNCLASSIFIED

- FACILITY LAYOUT
- NATURAL GAS PIPELINE
- ELECTRIC TRANSMISSION LINE
- STREAM/RIVER
- PROJECT AREA

- 500 FT. BUFFER
- 2-MILE BUFFER
- PUBLIC LAND
- MUNICIPAL BOUNDARY
- COUNTY BOUNDARY
- TOWNSHIP BOUNDARY

NWI WETLAND BY TYPE
- FRESHWATER EMERGENT
- FRESHWATER FORESTED/SHRUB
- FRESHWATER POND

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.

2. ELECTRICAL TRANSMISSION LINE SOURCE: U.S. DEPARTMENT OF ENERGY (DOE), NATIONAL ENERGY TECHNOLOGY LABORATORY (NETL)

3. NATURAL GAS LINE SOURCE: U.S. ENERGY INFORMATION ADMINISTRATION (EIA)

4. PUBLIC LANDS SOURCE: OHIO DEPARTMENT OF NATURAL RESOURCES (ODNR)

5. TOWNSHIP, MUNICIPAL, AND COUNTY BOUNDARY SOURCE: STATE OF OHIO, OHIO GEOGRAPHICALLY REFERENCED INFORMATION (OGRIP)

6. HYDROGRAPHY DATA SOURCE: NATIONAL HYDROGRAPHIC DATASET PLUS HIGH RESOLUTION, UNITED STATES GEOLOGICAL SURVERY (USGS)

7. WETLANDS SOURCE: UNITED STATES FISH AND WILDLIFE SURVEY (USFWS) NATIONAL WETLANDS INVENTORY (NWI)

8. AERIAL IMAGERY SOURCE: NEARMAP, AUGUST 31, 2025

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0 2,000 4,000
SCALE IN FEET

HALEY ALDRICH

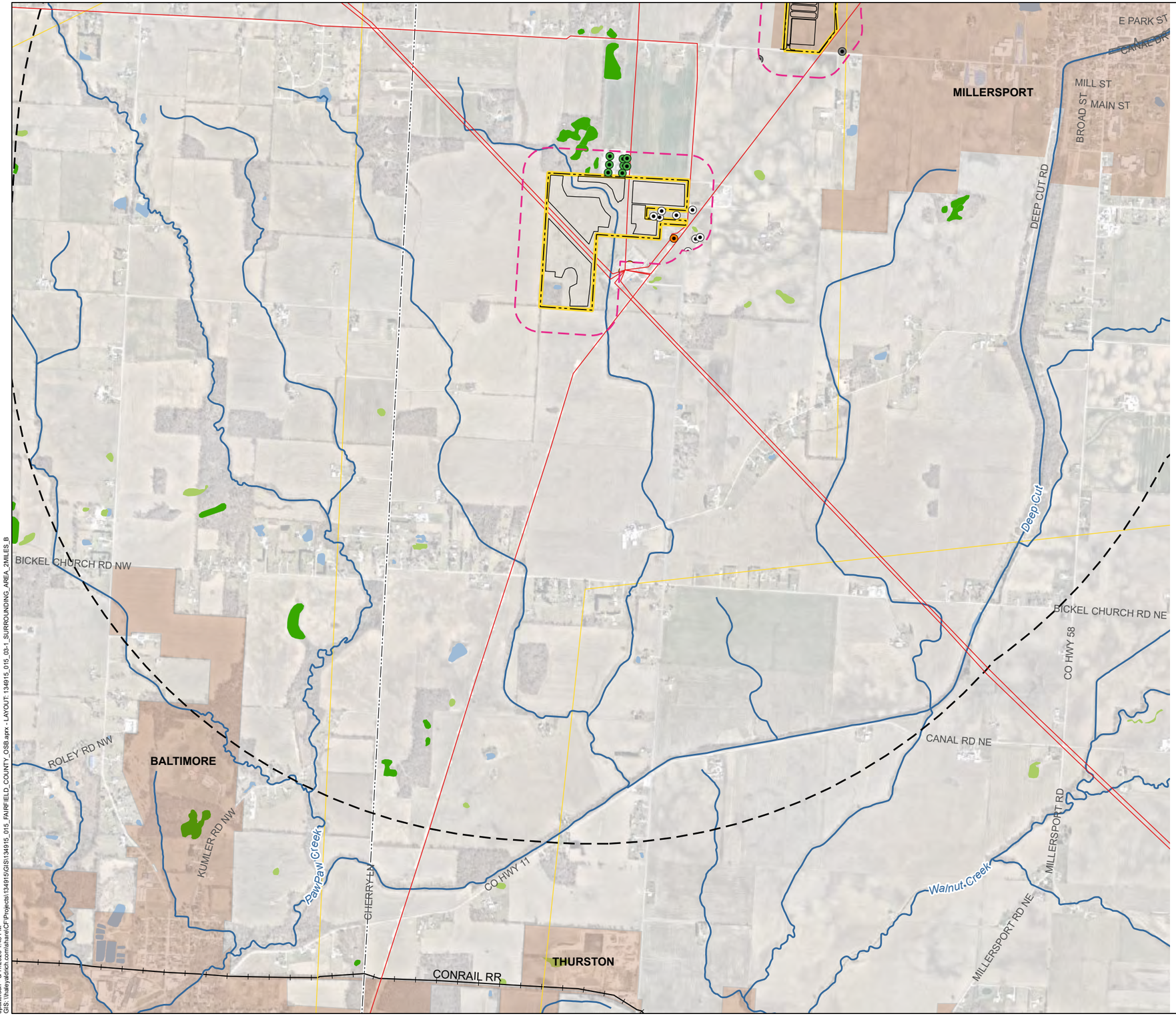
FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

SURROUNDING AREA
WITHIN 2 MILES

MAY 2026

FIGURE 03-2-A

jpatterson 5/11/2026 1:40 PM
GIS: \\haleyaldrich.com\share\CF\Projects\134915\GIS\134915_015_FAIRFIELD_COUNTY_OSB.aprx - LAYOUT: 134915_015_03-1_SURROUNDING_AREA_2MILES_A



LEGEND

STRUCTURE TYPE
- AGRICULTURE
- INDUSTRIAL
- RESIDENTIAL
- UNCLASSIFIED
- FACILITY LAYOUT
- NATURAL GAS PIPELINE
- ELECTRIC TRANSMISSION LINE
- STREAM/RIVER
- PROJECT AREA
- 500 FT. BUFFER
- 2-MILE BUFFER
- PUBLIC LAND
- MUNICIPAL BOUNDARY
- COUNTY BOUNDARY
- TOWNSHIP BOUNDARY

NWI WETLAND BY TYPE
- FRESHWATER EMERGENT
- FRESHWATER FORESTED/SHRUB
- FRESHWATER POND

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.

2. ELECTRICAL TRANSMISSION LINE SOURCE: U.S. DEPARTMENT OF ENERGY (DOE), NATIONAL ENERGY TECHNOLOGY LABORATORY (NETL)

3. NATURAL GAS LINE SOURCE: U.S. ENERGY INFORMATION ADMINISTRATION (EIA)

4. PUBLIC LANDS SOURCE: OHIO DEPARTMENT OF NATURAL RESOURCES (ODNR)

5. TOWNSHIP, MUNICIPAL, AND COUNTY BOUNDARY SOURCE: STATE OF OHIO, OHIO GEOGRAPHICALLY REFERENCED INFORMATION (OGRIP)

6. HYDROGRAPHY DATA SOURCE: NATIONAL HYDROGRAPHIC DATASET PLUS HIGH RESOLUTION, UNITED STATES GEOLOGICAL SURVERY (USGS)

7. WETLANDS SOURCE: UNITED STATES FISH AND WILDLIFE SURVEY (USFWS) NATIONAL WETLANDS INVENTORY (NWI)

8. AERIAL IMAGERY SOURCE: NEARMAP, AUGUST 31, 2025

N

0 2,000 4,000
SCALE IN FEET

HALEY ALDRICH

FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

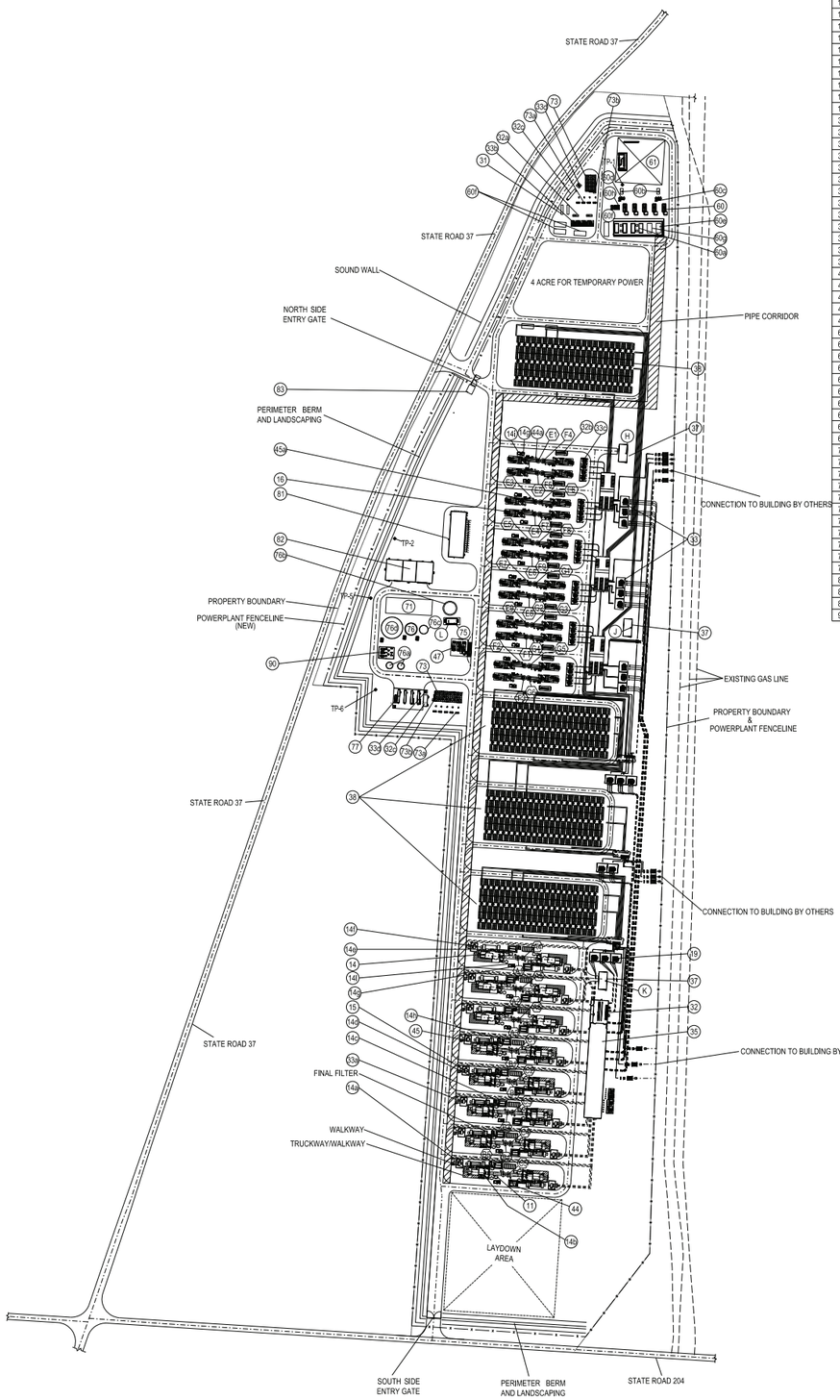
SURROUNDING AREA WITHIN 2 MILES

MAY 2026

FIGURE 03-2-B

jpatterson 5/11/2026 1:49 PM
GIS: \\haleyaldrich.com\share\CF\Projects\134915\GIS\134915_015_FAIRFIELD_COUNTY_OSB.aprx - LAYOUT: 134915_015_03-1_SURROUNDING_AREA_2MILES_B

NO.	ITEMS
11	SCR SKID FOR SGT-800
11a	SCR SKID FOR SOLAT TITAN T 130
14	GAS TURBINES (62MW EACH) (BY SIEMENS ENERGY)
14a	GAS TURBINES (57MW EACH) (BY SIEMENS ENERGY)
14b	GT ENCLOSURE
14c	LUBE OIL COOLER
14d	AIR INTAKE FILTER HOUSE
14e	BATTERY MODULE
14f	START TRANSFORMER
14g	OILY WATER SUMP PUMPS
14h	EVAPORATIVE COOLER BLOWDOWN SUMP PUMPS
14l	WASH WATER SUMP
15	GAS TURBINE GENERATOR (BY SIEMENS ENERGY)
16	SOLAR TITAN CTGs
31	CONTROL TRAILERS
32	34.5KV SWITCHGEAR BUILDING
32a	SWITCHGEAR
32b	EEM FOR SOLAR TITAN T 130
32c	FIN FAN EEM
33	TRANSFORMERS
33a	GSUT FOR SGT 800
33b	TRANSFORMERS
33c	GSUT FOR SOLAR TITAN T 130
33d	FIN FAN TRANSFORMER
35	138KV GIS BUILDING
37	EMERGENCY DIESEL GENERATOR
38	BESS
44	CONTINUOUS EMISSION MONITORING SYSTEM (CEMS) FOR SGT 800
44a	CONTINUOUS EMISSION MONITORING SYSTEM (CEMS) FOR TITAN T 130
45	SCR STACK FOR SGT 800
45a	SCR STACK FOR SOLAR T 130
47	AQUEOUS AMMONIA TANKS
60	FUEL GAS ELECTRIC DEW POINT HEATERS
60a	FUEL GAS COMPRESSORS WITH WALKING ENCLOSURE
60b	FUEL GAS KNOCKOUT DRUM
60c	DRAIN TANK
60d	FUEL GAS FILTER SEPARATORS
60e	FUEL GAS PRESSURE REGULATING STATION FOR SOLAR T 130
60f	FUEL GAS PRESSURE REGULATING STATION FOR RECIP. ENGINES
60g	FUEL GAS COMPRESSOR BY PASS PRESSURE REGULATING STATION
60h	FUEL GAS ELECTRIC DEW POINT HEATERS FOR RECIP. ENGINES
61	GAS YARD (BY OWNER)
71	UTILITY BUILDING (WATER TREATMENT)
73	FIN FAN COOLERS
73a	CLOSED COOLING WATER PUMPS
73b	CLOSED COOLING WATER EXPANSION TANK
75	FIRE WATER PUMPHOUSE
76	DEMINERALIZED WATER TANK
76a	TREATED AND UNTREATED BLOWDOWN STORAGE TANKS
76b	SERVICE AND FIRE WATER TANK
76c	RO PERMEATE TANK
76d	PLANT WATER MAKE UP
77	RENTAL ION-EXCHANGER TRAILERS
81	ADMIN AND CONTROL BUILDING
82	WAREHOUSE AND MAINTENANCE SHOP
83	GATE HOUSE
90	AIR COMPRESSOR / TRIM COOLER /AIR DRYER/ AIR RECEIVER





KEY PLAN

LEGEND:

- PAVED ROAD
- GRAVEL ROAD
- FENCE
- EXISTING GAS LINE
- GRID LINE
- (X) EMISSION POINTS
- (X) EQUIPMENT IDENTIFICATION
- HP XXXX.XX HIGH POINT
- TOC XXXX.XX TOP OF CONCRETE

0 200 400 600 800FT

1" =200' (1:2400)

NO.	DATE	REVISIONS	BY	CHK	EGS	PE/ PEM

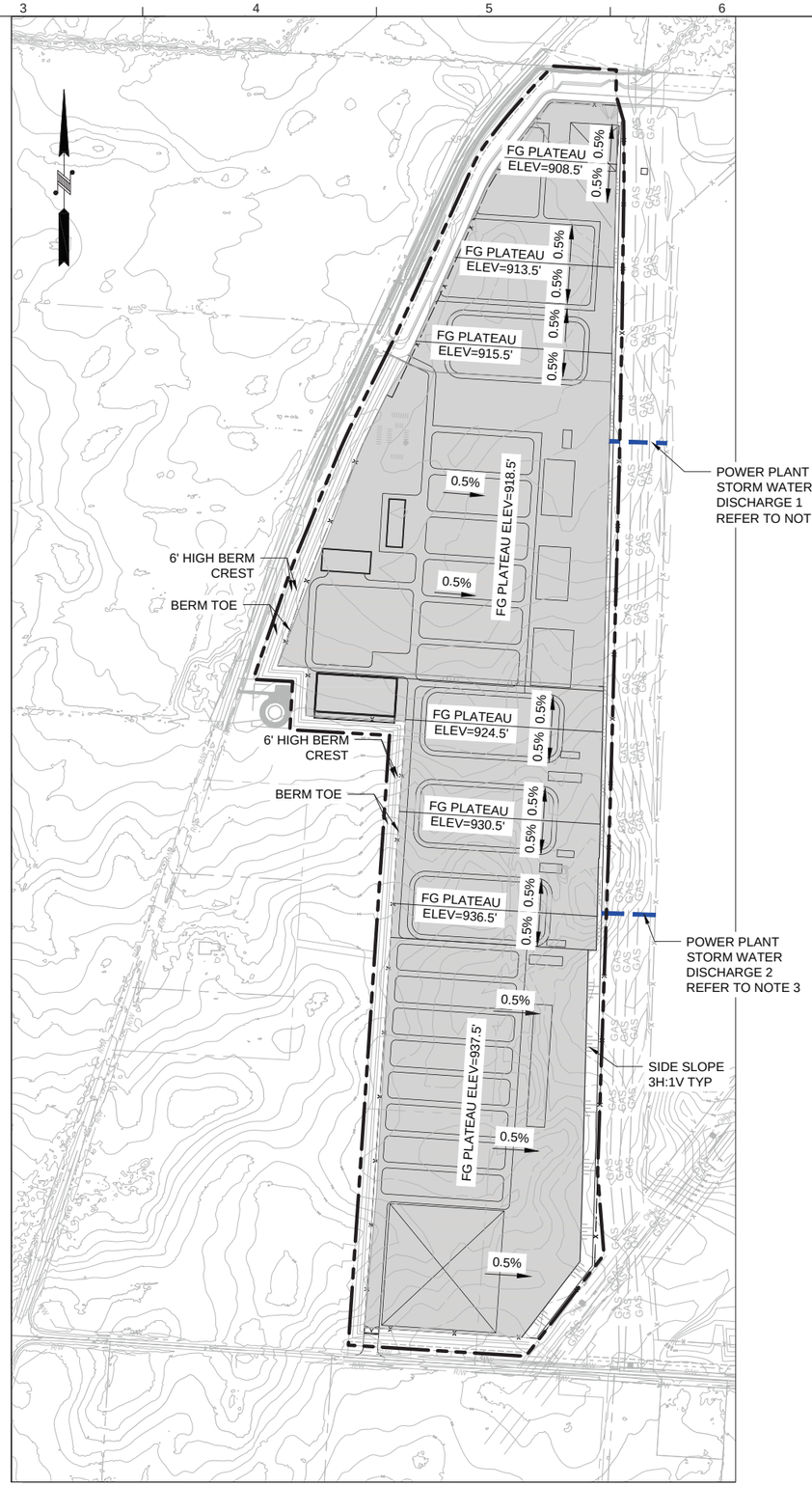
OWNER: FAIRFIELD ENERGY

FIGURE 03-3
GENERAL ARRANGEMENT

CONTRACTOR: BECHTEL

SHEET SIZE	SCALE	
E		
JOB NO.	DRAWING NO.	REV
26850-000	P1K-0010-00002	00A

34"X44" E SIZE



PLAN
SCALE 1":300'-0"

NOTES:

1. ALL POWER PLANT ACCESS ROADS SHALL BE ASPHALT SURFACED.
2. ALL POWER PLANT YARD AREAS SHALL BE GRAVEL SURFACED.
3. POWER PLANT AREA STORM WATER SURFACE RUNOFF SHALL BE COLLECTED INTO STORM SEWER SYSTEM AND DIRECTED TO EXISTING STORM WATER MANAGEMENT PONDS TO THE EAST WITHIN THE DATA CENTER DEVELOPMENT AREA.

LEGEND:

DENOTES FINAL GRADING POWER PLANT AREA TO BE GRADED AT 0.5% SLOPE DRAINING STORM SEWER SYSTEM

PRELIMINARY
NOT FOR CONSTRUCTION

0 300' 600'
SCALE: 1" = 300'

NO.	DATE	REVISIONS	BY	CHK	EGS	PM / PEM
B	05/14/2026	ISSUED FOR INFORMATION	DE	BE	-	-
A	05/13/2026	ISSUED FOR INFORMATION	DE	BE	-	-

SCALE AS SHOWN

BECHTEL
DEDICATED TO SAFETY EXCELLENCE - ZERO ACCIDENTS

FAIRFIELD ENERGY CENTER

FIGURE 03-4
FINAL GRADING
CONCEPTUAL PLAN

JOB NO.	DRAWING NO.	REV
26850-000	C0-SK-00003	00B

BLACKLICK-EASTERN RD NE (OH-204)

LANCASTER-NEWARK RD NE (OH-37)

BERM

TANKS

BUILDINGS

LAYDOWN AREA

SGT-800 STACKS

BESS

BESS

BESS

BESS

TEMPORARY POWER

ELECTRICAL EQUIPMENT

BUILDING

T-130 STACKS

FUEL GAS

LEGEND

- FACILITY AREA
- LAYDOWN AREA
- BERM EXTENTS
- PROPERTY BOUNDARY
- PAVED ROAD
- GRAVEL ROAD

N

0 500 1000

SCALE IN FEET

HALEY ALDRICH

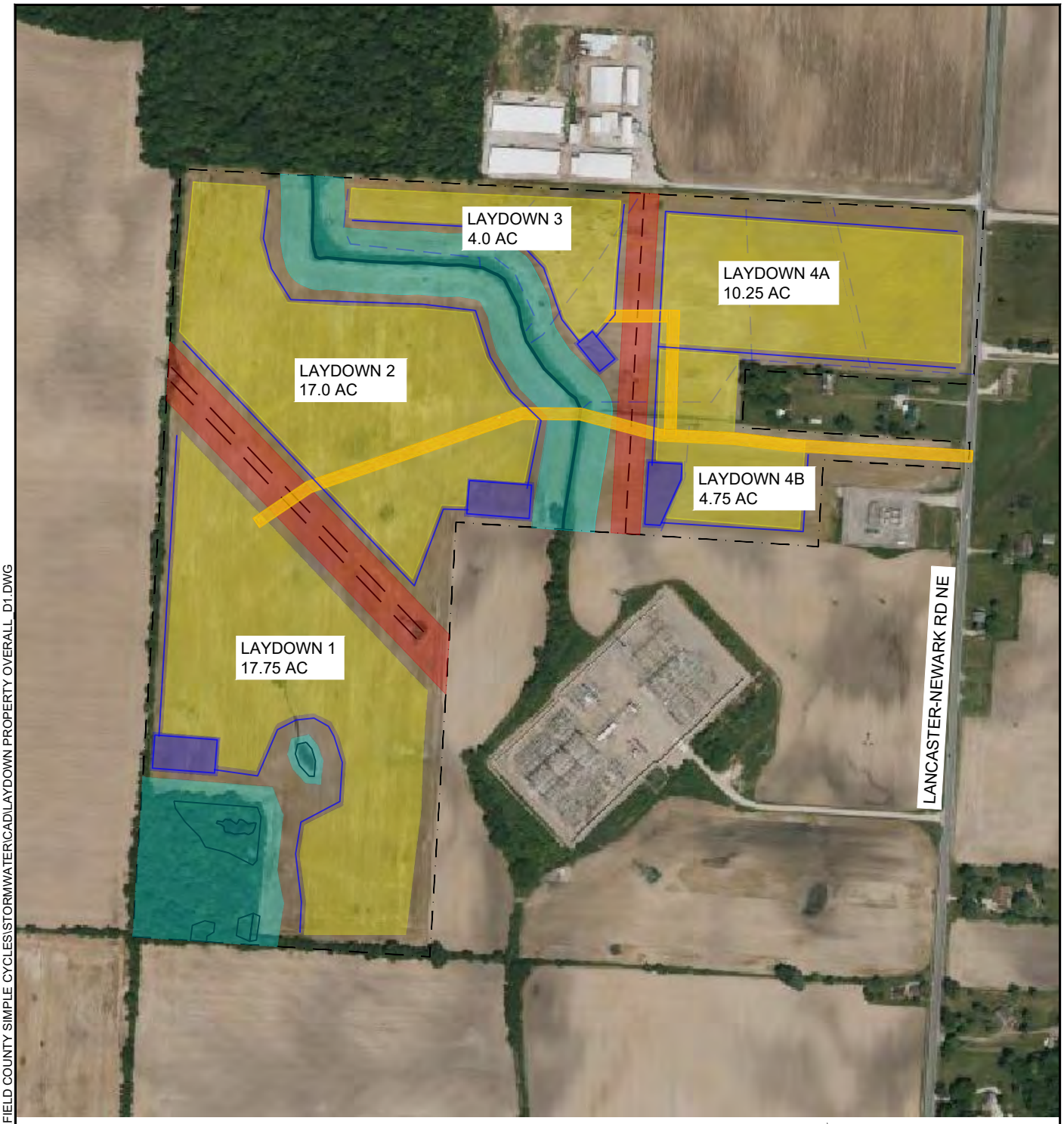
FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

PROJECT LAYOUT

SCALE: AS SHOWN
MAY 2026

FIGURE 03-5

BARMSTRONG Printed: 5/12/2026 4:19 PM Sheet: HA-FIG-B-L-H
\\HALEYALDRICH\SHARE\CF\PROJECTS\134915\015 FAIRFIELD COUNTY SIMPLE CYCLES\STORMWATER\CAD\FAIRFIELD PLOT PLAN.DWG



LEGEND

- PROPERTY BOUNDARY (APPROXIMATE)
- TRANSMISSION LINE BUFFER
- SENSITIVE FEATURE BUFFER
- POTENTIAL DRAINAGE BMP
- POTENTIAL LAYDOWN
- POTENTIAL ACCESS ROUTE
- POTENTIAL DRAINAGE DITCH
- EXISTING DRAINAGE TILE MAINS (APPROXIMATE)

N

0 250 500

SCALE IN FEET

HALEY ALDRICH

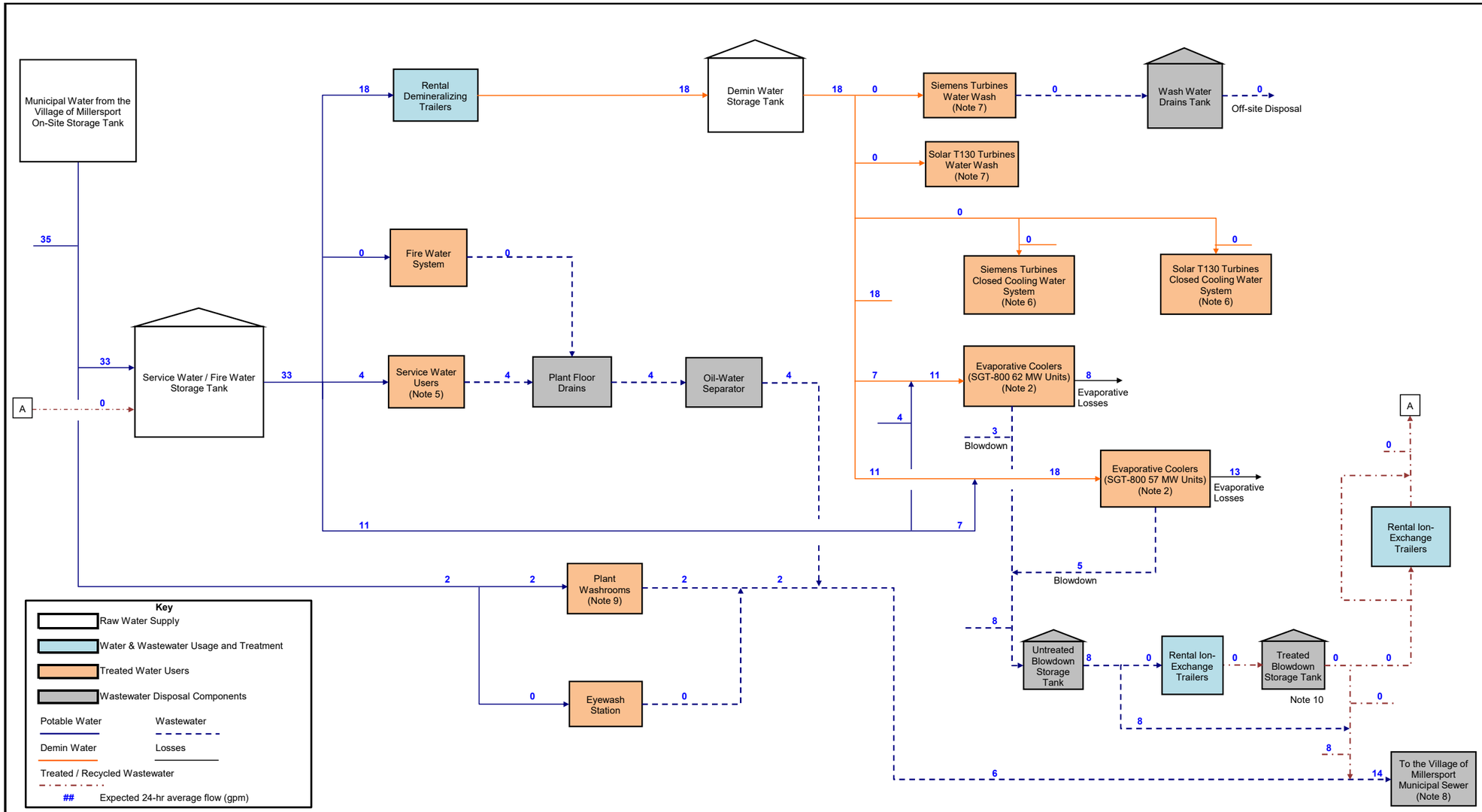
FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

TEMPORARY WORKSPACE CONCEPTUAL LAYOUT

SCALE: AS SHOWN
MAY 2026

FIGURE 03-6

Saved by: ARMSTRONG, BRADLEY Printed: 5/7/2026 10:45 AM Sheet: HA-FIG-A-P
\\HALEYALDRICH\SHARE\CF\PROJECTS\134915\015 FAIRFIELD COUNTY SIMPLE CYCLES\STORMWATER\CAD\LAYDOWN PROPERTY OVERALL_D1.DWG



REVISION HISTORY					
Rev	Date	Prepared	Reviewed	Approved	Purpose
C	5/12/2026	A. Iovu	M. Heermann	L. Papadopoulos	For Information
B	5/8/2026	A. Iovu	M. Heermann	L. Papadopoulos	For Information
A	4/28/2026	A. Iovu	M. Heermann	L. Papadopoulos	For Information

Notes

1. Unless otherwise specified, all flow rates are in gpm.

2. The evaporative coolers will operate at 4 cycles of concentration (COC). Evaporative cooler makeup supply is assumed to be 60% demineralized water and 40% service water.

3. All flows depicted are preliminary and will be confirmed during detailed design.

4. Streams that display "0" flow (unless noted specifically) are considered to have no continuous flow during normal operation.

5. Weighted annual average service water demand shown assumes an average flow of 10 gpm. Service water usage is based on 10 hours of usage per day, or 3,650 hours per year, for an average of 42% of service water demand. Service water users include (but are not limited to):
   Equipment wash down
   Flushing

6. Closed Cooling Water System is assumed to not leak. Initial fill is not represented.

7. SGT-800 and Solar T130 turbines water wash demand to be determined.

8. Process wastewater discharge to municipal sewer to be confirmed during permitting efforts.

9. Potable water usage is based upon 25 personnel on site during normal operation.

10. To minimize wastewater flow to the municipal sewer, the flow from the Blowdown Buffer Tank may be sent to the Blowdown Storage Tank for intermittent storage and subsequent treatment and recycling. Wastewater effluent to the municipal sewer may be blended with treated wastewater to meet municipal wastewater requirements.

11. Total installed power generation includes: 6 x SGT-800 (62 MW) with evaporative cooling; 10 x SGT-800 (57 MW) with evaporative cooling; 24 x Solar Titan 130 without evaporative cooling.

12. The expected weighted annual average evaporative cooler makeup water demand shown is based on a 12-hour operation at the monthly high average temperature and 12-hour operation at the monthly low average temperature. Evaporative coolers are assumed to operate for ambient temperatures greater than 59°F.

Sargent & Lundy

Operating Conditions

In Operation: 6 x SGT-800 (62 MW), Evap On; 10 x SGT-800 (57 MW), Evap On; 100% Load; Weighted Annual Average

ISSUE PURPOSE: For Information
PROJECT NO.: 15513.110
PREPARER: Alina Iovu
REVIEWER: Matthew Heermann
APPROVER: Lilia Papadopoulos

ANY MODIFICATION OR ADDITION TO THIS DRAWING BY AN ORGANIZATION OTHER THAN SARGENT & LUNDY, IS NOT THE RESPONSIBILITY OF SARGENT & LUNDY.

Owner

Fairfield Energy Center, LLC

PROJECT

Fairfield Energy Center

DRAWING TITLE

Figure 03-7 Water Balance

DRAWING NUMBER	REVISION
AR-MSK-WB-02	C

SHEET 1 of 1



LEGEND

- DATA CENTER LOCATION
- STREAM/RIVER
- STUDY AREA
- MUNICIPAL BOUNDARY
- COUNTY BOUNDARY
- TOWNSHIP BOUNDARY

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. TOWNSHIP, MUNICIPAL, AND COUNTY BOUNDARY SOURCE: STATE OF OHIO, OHIO GEOGRAPHICALLY REFERENCED INFORMATION (OGRIP)
3. HYDROGRAPHY DATA SOURCE: NATIONAL HYDROGRAPHIC DATASET PLUS HIGH RESOLUTION, UNITED STATES GEOLOGICAL SURVERY (USGS)
4. AERIAL IMAGERY SOURCE: NEARMAP, AUGUST 31, 2025

N

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SCALE IN FEET

HALEY ALDRICH

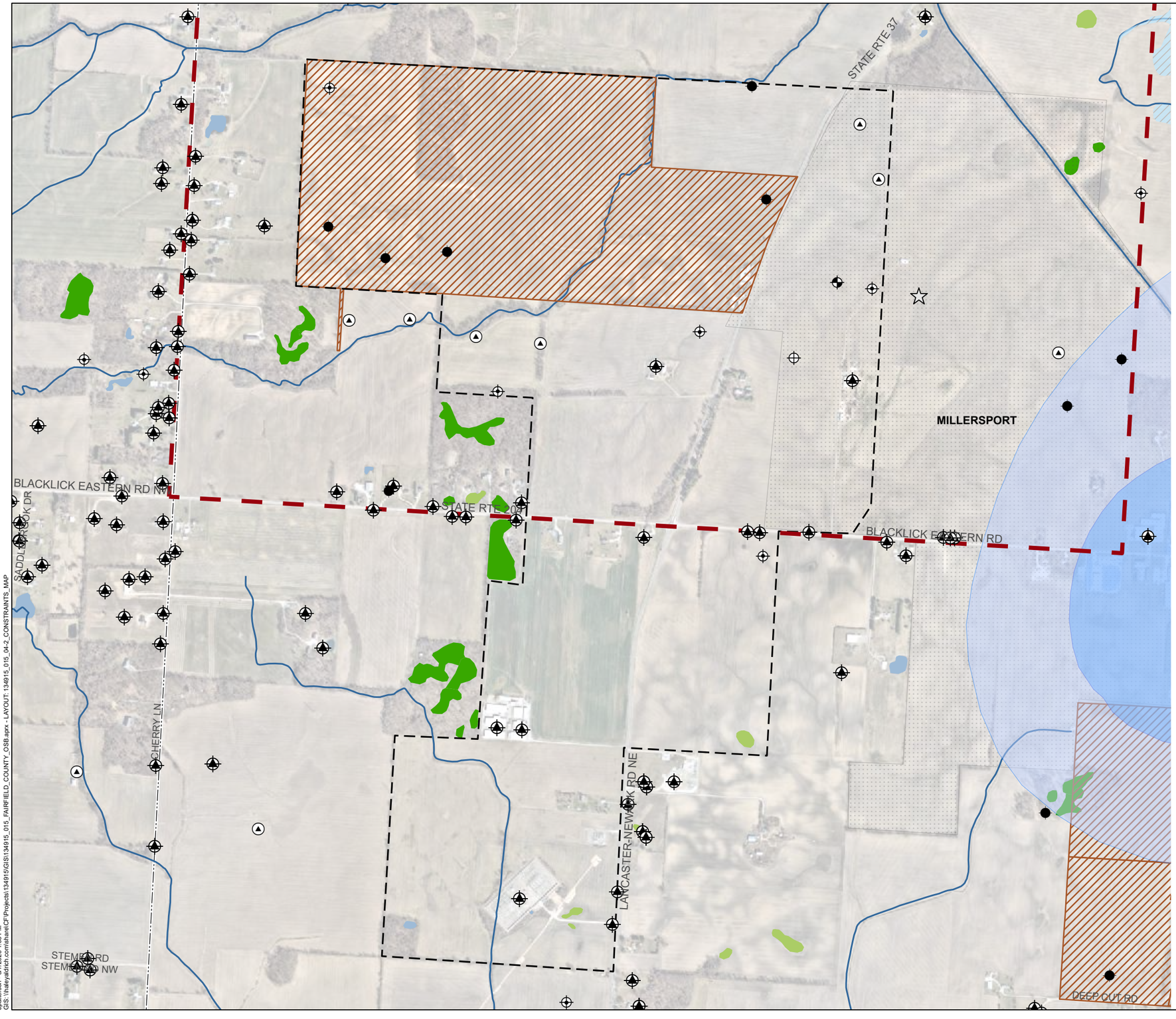
FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

GENERAL STUDY AREA

MAY 2026

FIGURE 04-1

Jpatterson - 5/7/2026 1:05 PM
GIS:\\haleyaldrich.com\shared\CF\Projects\134915\GIS\134915_015_FAIRFIELD_COUNTY_OSB.aprx - LAYOUT:134915_015_04-1_GENERAL_STUDY_AREA



LEGEND

- DATA CENTER LOCATION
- WELL BY TYPE
  - UNKNOWN STATUS
  - DRY HOLE
  - GAS
  - OIL AND GAS
  - PLUGGED GAS
  - WATER WELL
- STREAM/RIVER
- STUDY AREA
- MUNICIPAL BOUNDARY
- TOWNSHIP BOUNDARY
- INNER MANAGEMENT ZONE
- SOURCE WATER PROTECTION AREA
- PRIORITY GROWTH AREA
- PROTECTED FARMLAND
- NWI WETLAND BY TYPE
  - FRESHWATER EMERGENT
  - FRESHWATER FORESTED/SHRUB
  - FRESHWATER POND

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.

2. TOWNSHIP, MUNICIPAL, AND COUNTY BOUNDARY SOURCE: STATE OF OHIO, OHIO GEOGRAPHICALLY REFERENCED INFORMATION (OGRIP)

3. HYDROGRAPHY DATA SOURCE: NATIONAL HYDROGRAPHIC DATASET PLUS HIGH RESOLUTION, UNITED STATES GEOLOGICAL SURVERY (USGS)

3. PRIORITY GROWTH AREA SOURCE: FAIRFIELD COUNTY 2024 COMPREHENSIVE PLAN, PUBLISHED FEBRUARY 2, 2024. PRIORITY GROWTH AREAS ARE DEFINED AS LARGE AREAS IN WHICH NEW DEVELOPMENT PRESSURE IS SUPPORTED, PUBLIC AND PRIVATE UTILITY SERVICES ARE OR CAN BE AVAILABLE, AND THE SUPPORTING ROAD NETWORK IS IN PLACE.

4. PWS = PUBLIC WATER SYSTEM

5. WATER WELL DATA SOURCE: OHIO DEPARTMENT OF NATURAL RESOURCES (ODNR)

6. WATER PROTECTION AREA AND SOLE SOURCE AQUIFER DATA SOURCE: OHIO ENVIRONMENTAL PROTECTION AGENCY (OEPA). NO SOLE SOURCE AQUIFERS OCCUR IN THE PROJECT VICINITY.

7. AERIAL IMAGERY SOURCE: NEARMAP, AUGUST 31, 2025

N

0 1,200 2,400
SCALE IN FEET

HALEY ALDRICH

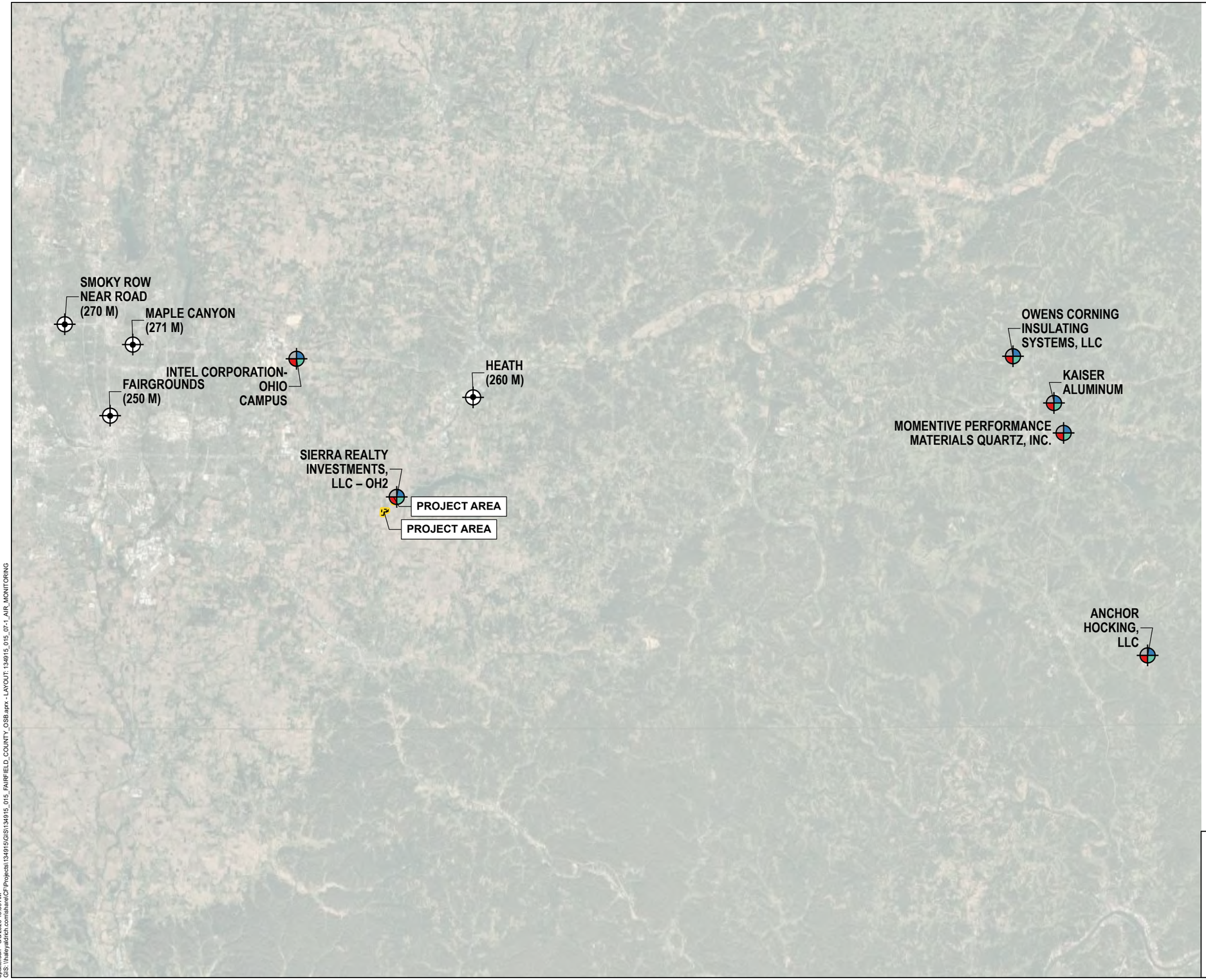
FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

CONSTRAINTS MAP

MAY 2026

FIGURE 04-2

jrathersen - 5/7/2026 1:06 PM
GIS: \\haleyaldrich.com\share\CF\Projects\134915\GIS\134915_015_FAIRFIELD_COUNTY_OSB.aprx - LAYOUT: 134915_015_04-2_CONSTRAINTS_MAP



LEGEND

- AIR MONITORING STATION
- MAJOR AIR POLLUTION SOURCE
- PROJECT AREA

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.

2. US EPA OFFICE OF AIR AND RADIATION (OAR), OFFICE OF STATE AIR PARTNERSHIPS (OSAP). DATA: VARIOUS STATE, LOCAL, AND TRIBAL AIR POLLUTION AGENCIES USING PROCEDURES SPECIFIED BY THE US EPA.

3. AERIAL IMAGERY SOURCE: GOOGLE EARTH

N

0 8 16
Miles

HALEY ALDRICH

FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

AIR MONITORING STATIONS AND MAJOR EMISSION SOURCES

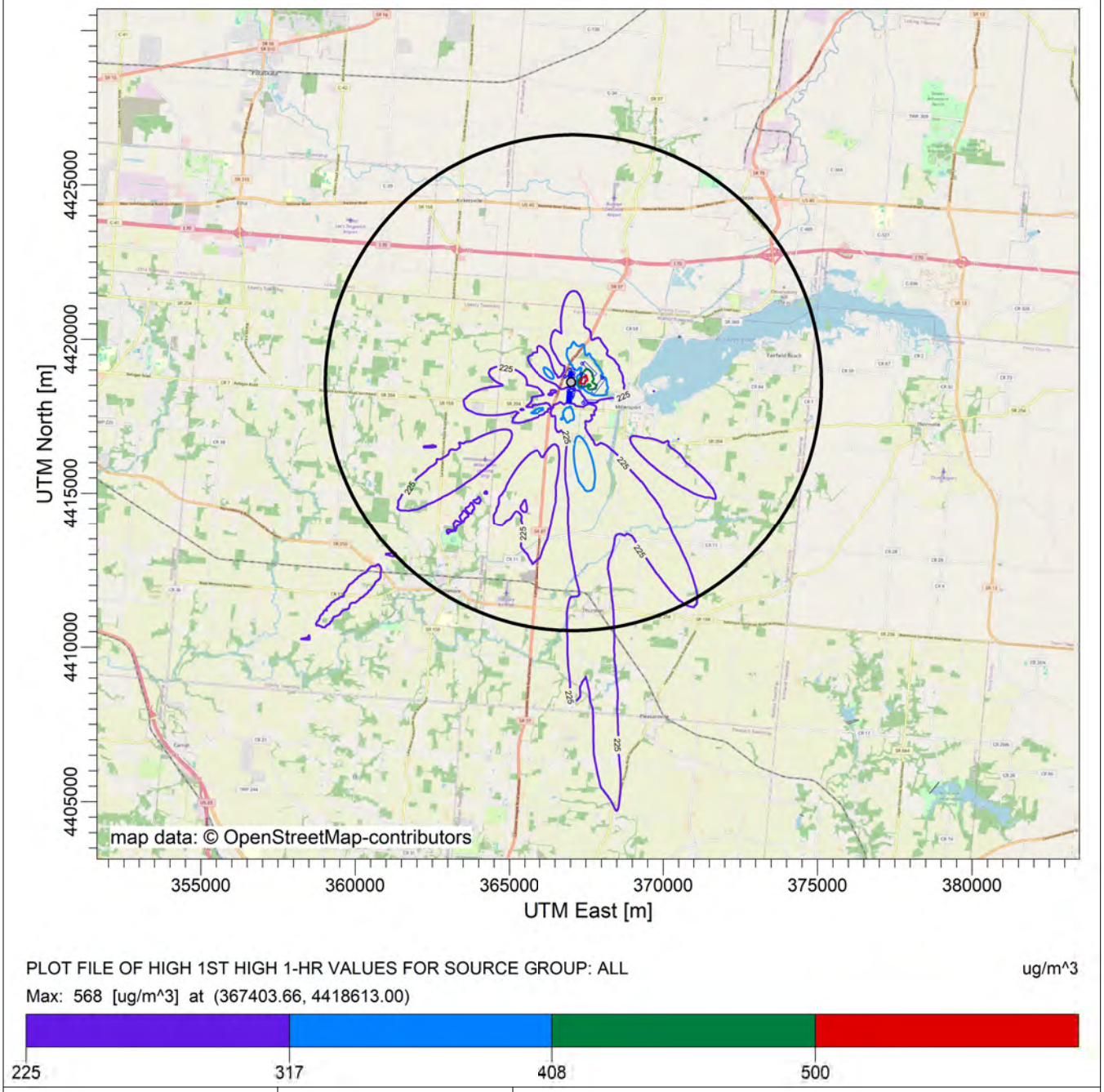
MAY 2026

FIGURE 07-1

Jpatterson 5/5/2026 10:59 AM
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PROJECT TITLE:

Figure 07-2
1-Hour CO Air Modeling Isopleths



PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL ug/m^3

Max: 568 [ug/m^3] at (367403.66, 4418613.00)

225 317 408 500

COMMENTS:

Project Site

5-mile radius

SIL is 2000 ug/m^3

Fairfield Energy Center
Fairfield County, OH

1-Hour CO

Concentration

SCALE: 1:200,281

0 5 km

MAX:

568 ug/m^3

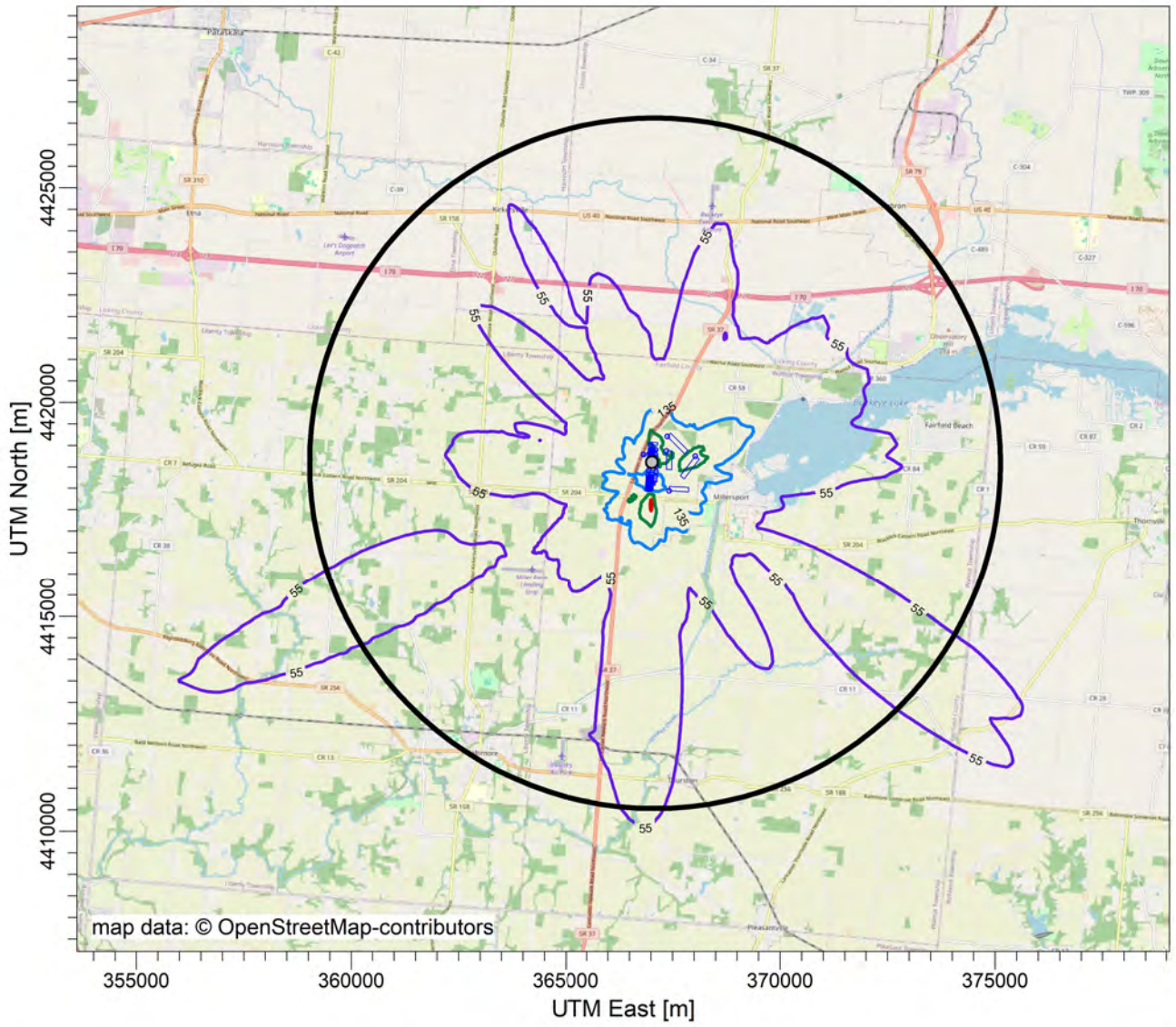
PROJECT NO.:

0134915

AERMOD View - Lakes Environmental Software

PROJECT TITLE:

Figure 07-3
8-Hour CO Air Modeling Isopleths



COMMENTS:

Project Site

5-mile radius

SIL is 500 ug/m^3

Fairfield Energy Center
Fairfield County, OH

8-Hour CO

Concentration

SCALE: 1:160,000

0 5 km

MAX:

312 ug/m^3

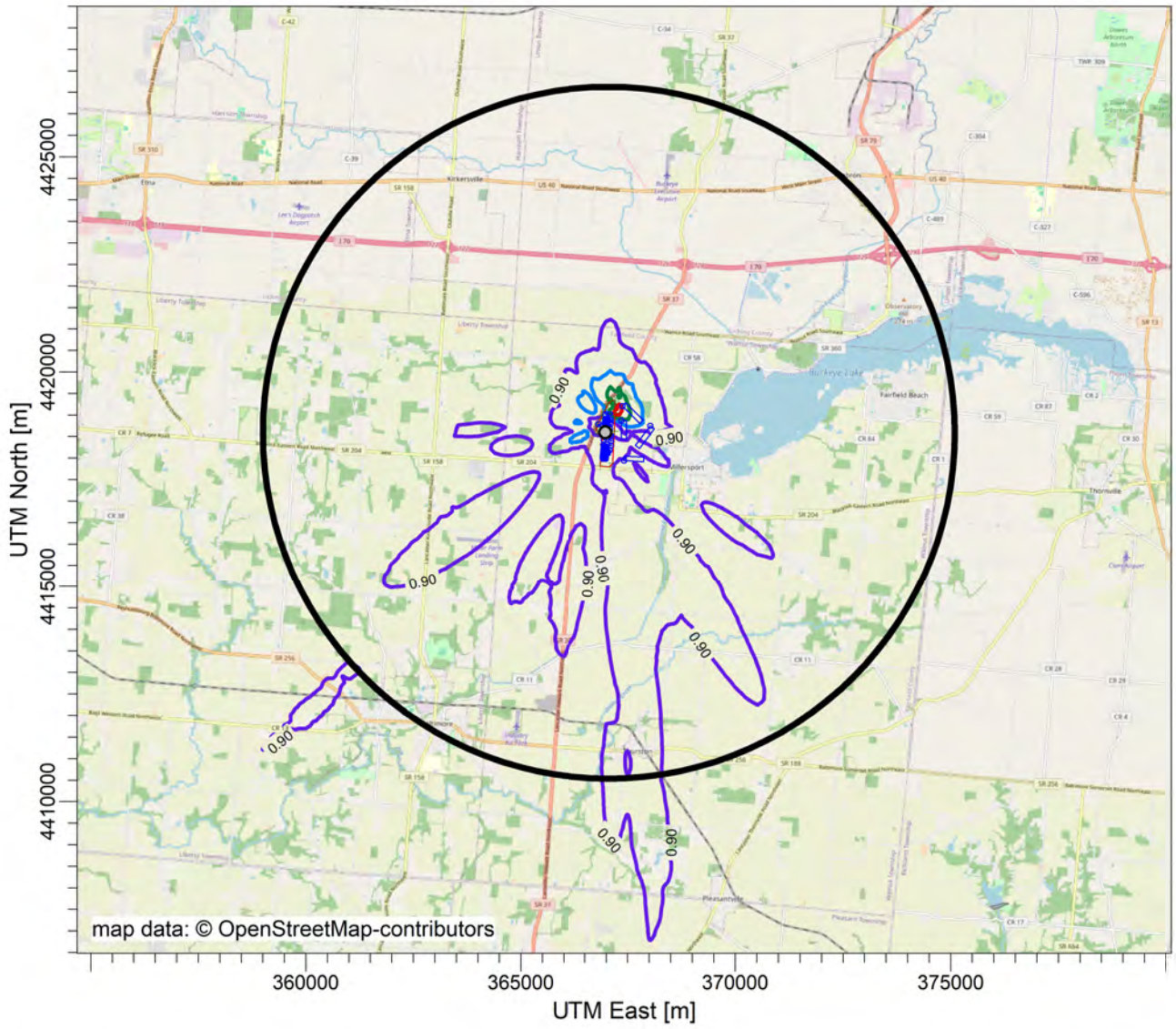
PROJECT NO.:

0134915

AERMOD View - Lakes Environmental Software

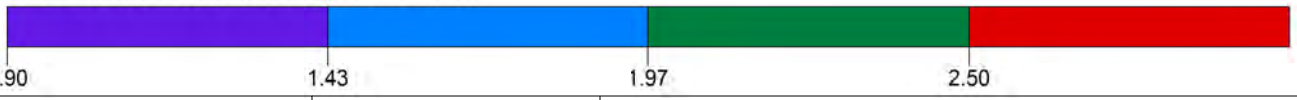
PROJECT TITLE:

Figure 07-4
1-Hour SO2 Air Modeling Isopleths



PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP: IPALL ug/m^3

Max: 2.92 [ug/m^3] at (367303.66, 4419113.00)



COMMENTS:

Project Site

5-mile radius

SIL is 7.848 ug/m^3

Fairfield Energy Center
Fairfield County, OH

1-Hour SO2

Concentration

SCALE: 1:160,000

0 5 km

MAX:

2.92 ug/m^3

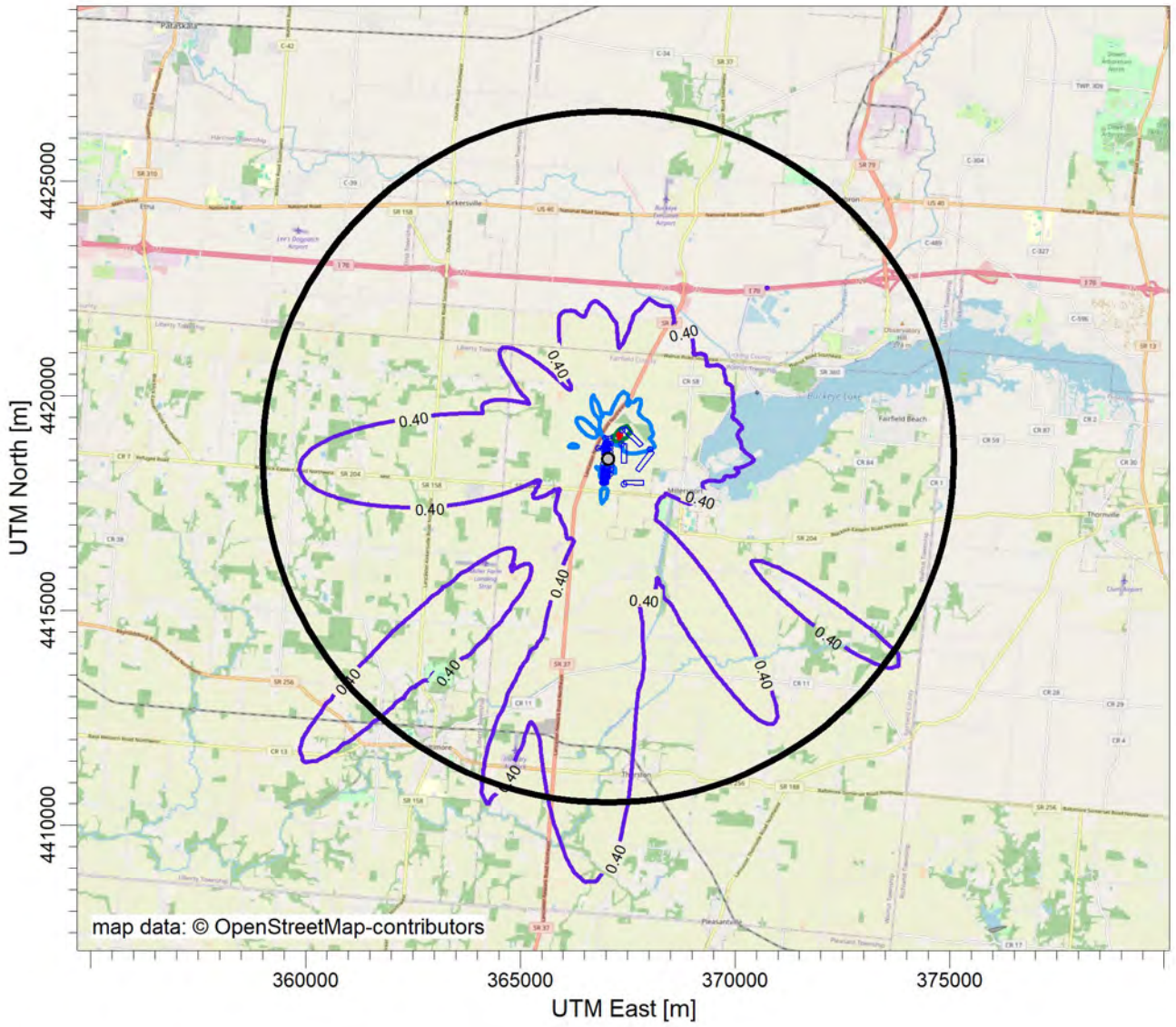
PROJECT NO.:

0134915

AERMOD View - Lakes Environmental Software

PROJECT TITLE:

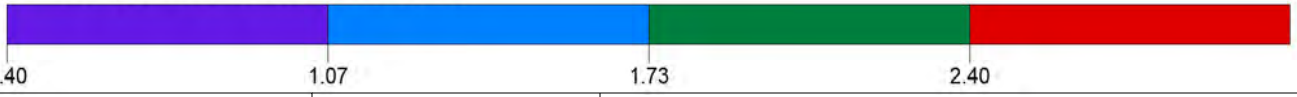
Figure 07-5
3-Hour SO2 Air Modeling Isopleths



PLOT FILE OF HIGH 1ST HIGH 3-HR VALUES FOR SOURCE GROUP: ALL

ug/m^3

Max: 2.52 [ug/m^3] at (367303.66, 4419113.00)



COMMENTS:

Project Site

5-mile radius

SIL is 25 ug/m^3

Fairfield Energy Center
Fairfield County, OH

3-Hour SO2

Concentration

SCALE: 1:160,000

0 5 km

MAX:

2.52 ug/m^3

PROJECT NO.:

0134915

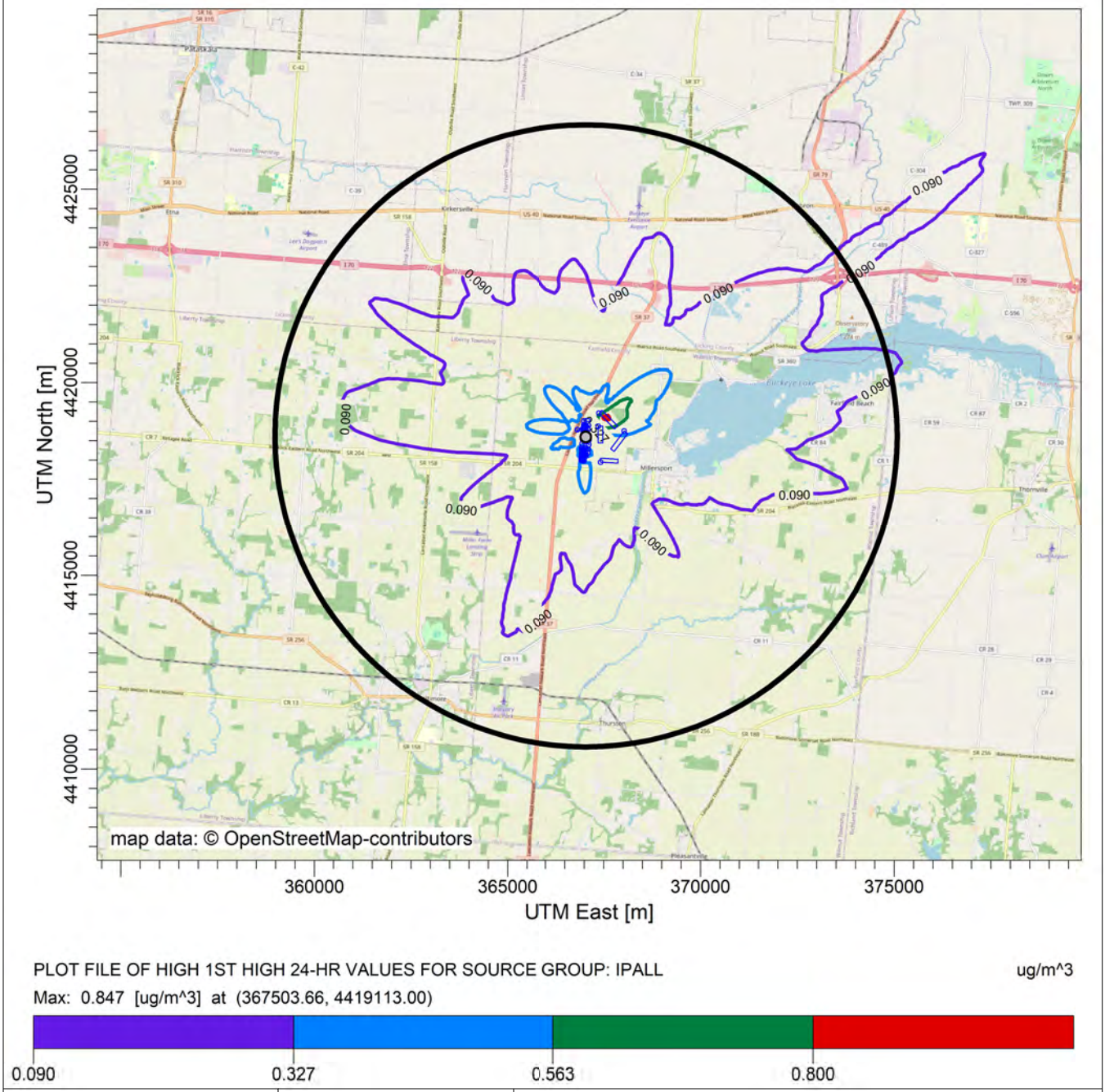
HALEY ALDRICH

AERMOD View - Lakes Environmental Software

D:\APV Fairfield\OPSB\SO2_S1_OPSB_3HR\SO2_S1_OPSB_3HR.isc

PROJECT TITLE:

Figure 07-6
24-Hour SO2 Air Modeling Isopleths



PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: IPALL

ug/m^3

Max: 0.847 [ug/m^3] at (367503.66, 4419113.00)

COMMENTS:

Project Site

5-mile radius

SIL is 5 ug/m^3

Fairfield Energy Center
Fairfield County, OH

24-Hour SO2

SCALE: 1:160,000

0 5 km

Concentration

MAX:

0.847 ug/m^3

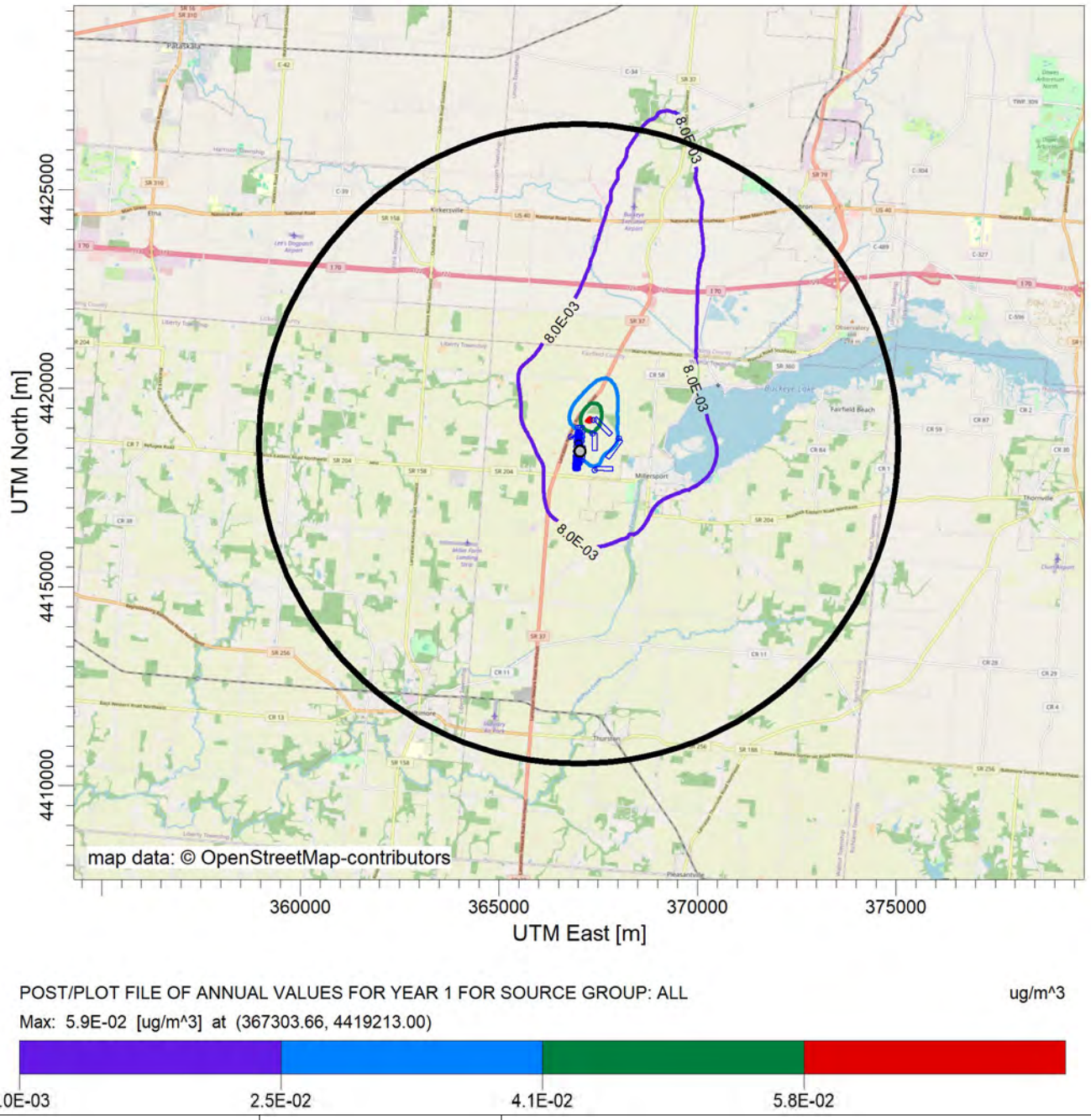
PROJECT NO.:

0134915

AERMOD View - Lakes Environmental Software

PROJECT TITLE:

Figure 07-7
Annual SO2 Air Modeling Isopleths



POST/PLOT FILE OF ANNUAL VALUES FOR YEAR 1 FOR SOURCE GROUP: ALL ug/m^3

Max: 5.9E-02 [ug/m^3] at (367303.66, 4419213.00)

8.0E-03 | 2.5E-02 | 4.1E-02 | 5.8E-02

COMMENTS:

Project Site

5-mile radius

SIL is 1 ug/m^3

Fairfield Energy Center
Fairfield County, OH

Annual SO2

Concentration

SCALE: 1:160,000

0 5 km

MAX:

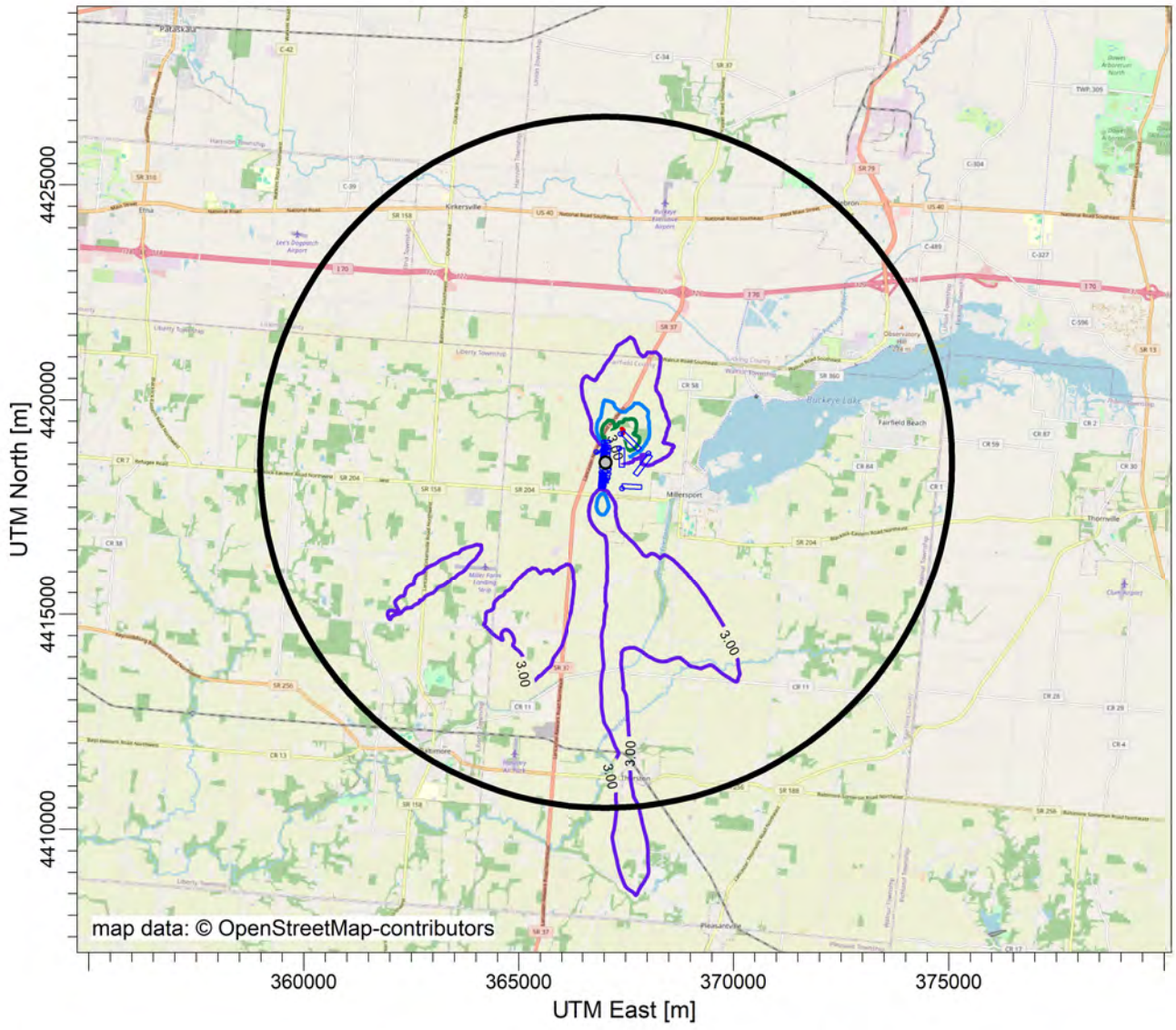
5.9E-02 ug/m^3

PROJECT NO.:

0134915

PROJECT TITLE:

Figure 07-8
1-Hour NO2 Air Modeling Isopleths



PLOT FILE OF 1ST-HIGHEST MAX DAILY 1-HR VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: LFALL ug/m^3

Max: 5.36 [ug/m^3] at (367303.66, 4419213.00)



COMMENTS:

Project Site

5-mile radius

SIL is 7.5 ug/m^3

Fairfield Energy Center
Fairfield County, OH

1-Hour NO2

Concentration

SCALE: 1:160,000

0 5 km

MAX:

5.36 ug/m^3

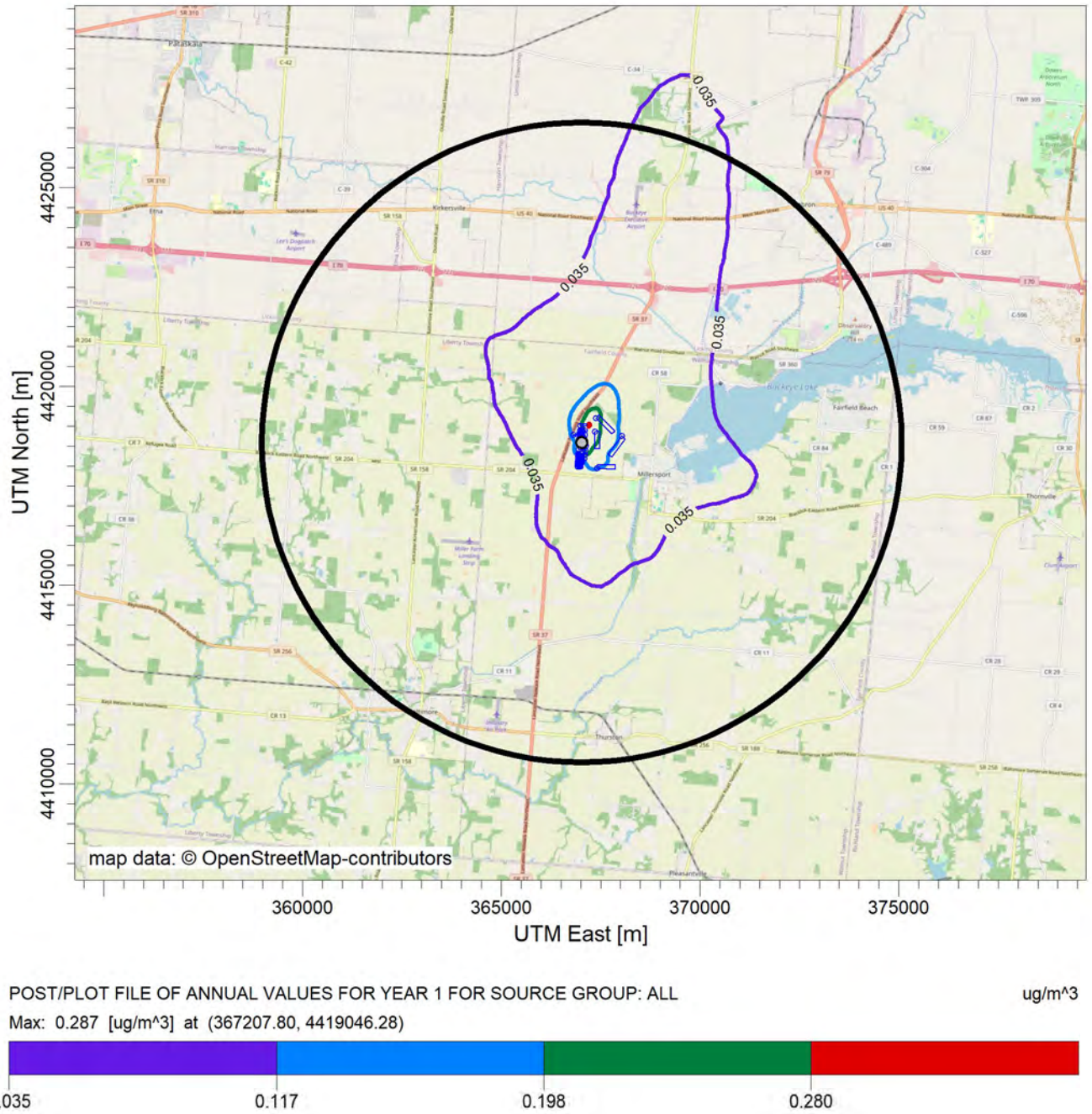
PROJECT NO.:

0134915

AERMOD View - Lakes Environmental Software

PROJECT TITLE:

Figure 07-9
Annual NO2 Air Modeling Isopleths



POST/PLOT FILE OF ANNUAL VALUES FOR YEAR 1 FOR SOURCE GROUP: ALL ug/m^3

Max: 0.287 [ug/m^3] at (367207.80, 4419046.28)

COMMENTS:

Project Site

5-mile radius

SIL is 1 ug/m^3

Fairfield Energy Center
Fairfield County, OH

Annual NO2

Concentration

SCALE: 1:160,000

0 5 km

MAX:

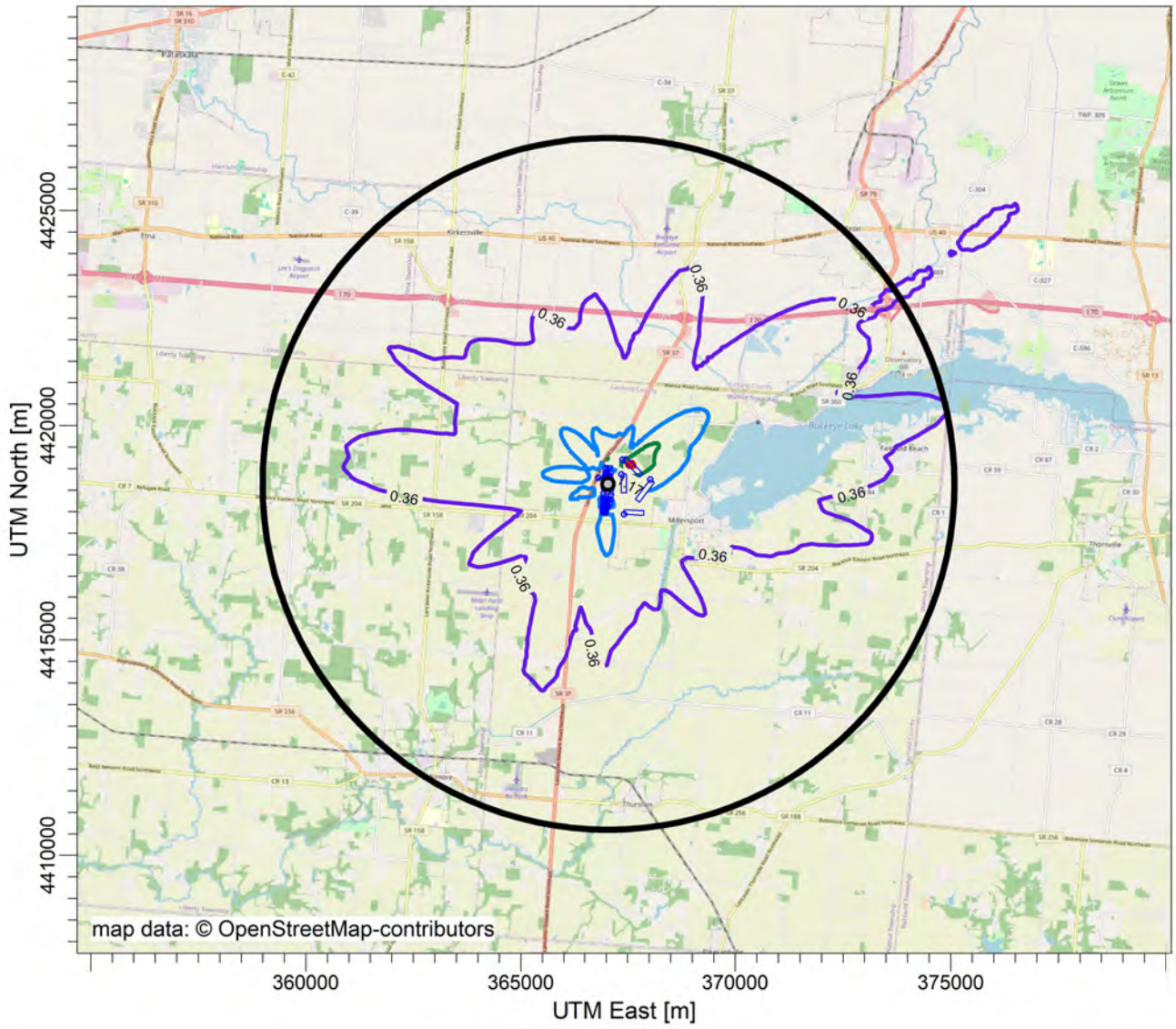
0.287 ug/m^3

PROJECT NO.:

0134915

PROJECT TITLE:

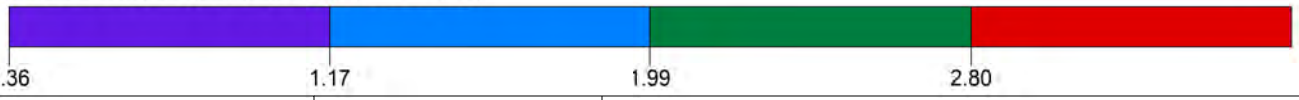
Figure 07-10
24-Hour PM10 Air Modeling Isopleths



PLOT FILE OF HIGH 1ST HIGH 24-HR VALUES FOR SOURCE GROUP: ALL

ug/m^3

Max: 2.97 [ug/m^3] at (367503.66, 4419113.00)



COMMENTS:

Project Site

5-mile radius

SIL is 5 ug/m^3

Fairfield Energy Center
Fairfield County, OH

24-Hour PM10

Concentration

SCALE: 1:160,000

0 5 km

MAX:

2.97 ug/m^3

PROJECT NO.:

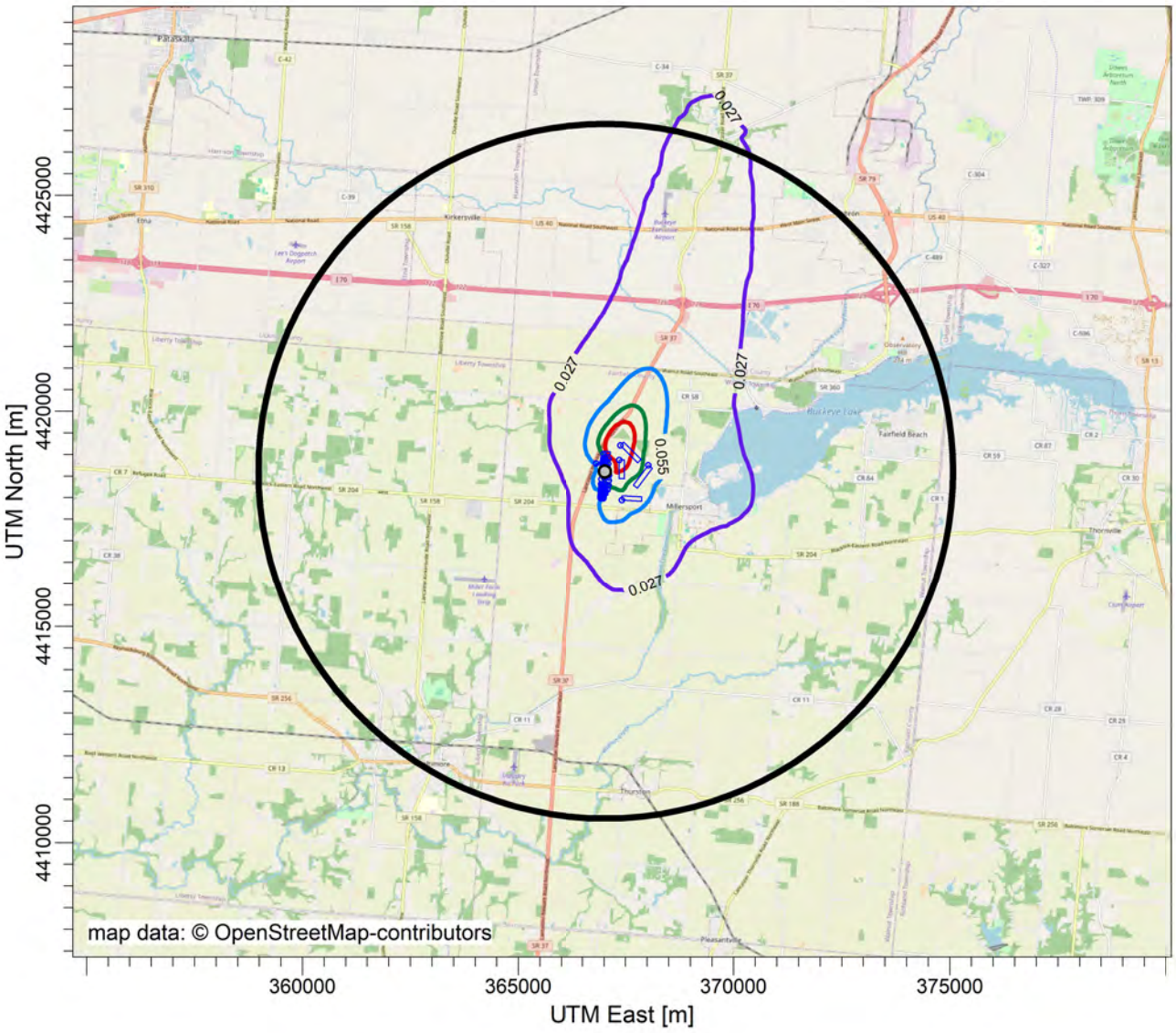
0134915

HALEY ALDRICH

AERMOD View - Lakes Environmental Software

PROJECT TITLE:

Figure 07-11
Annual PM10 Air Modeling Isopleths



POST/PLOT FILE OF ANNUAL VALUES FOR YEAR 1 FOR SOURCE GROUP: ALL ug/m^3

Max: 0.167 [ug/m^3] at (367303.66, 4419213.00)

0.027 0.055 0.082 0.110

COMMENTS:

Project Site

5-mile radius

SIL is 1 ug/m^3

Fairfield Energy Center
Fairfield County, OH

Annual PM10

Concentration

SCALE: 1:160,000

0 5 km

MAX:

0.167 ug/m^3

PROJECT NO.:

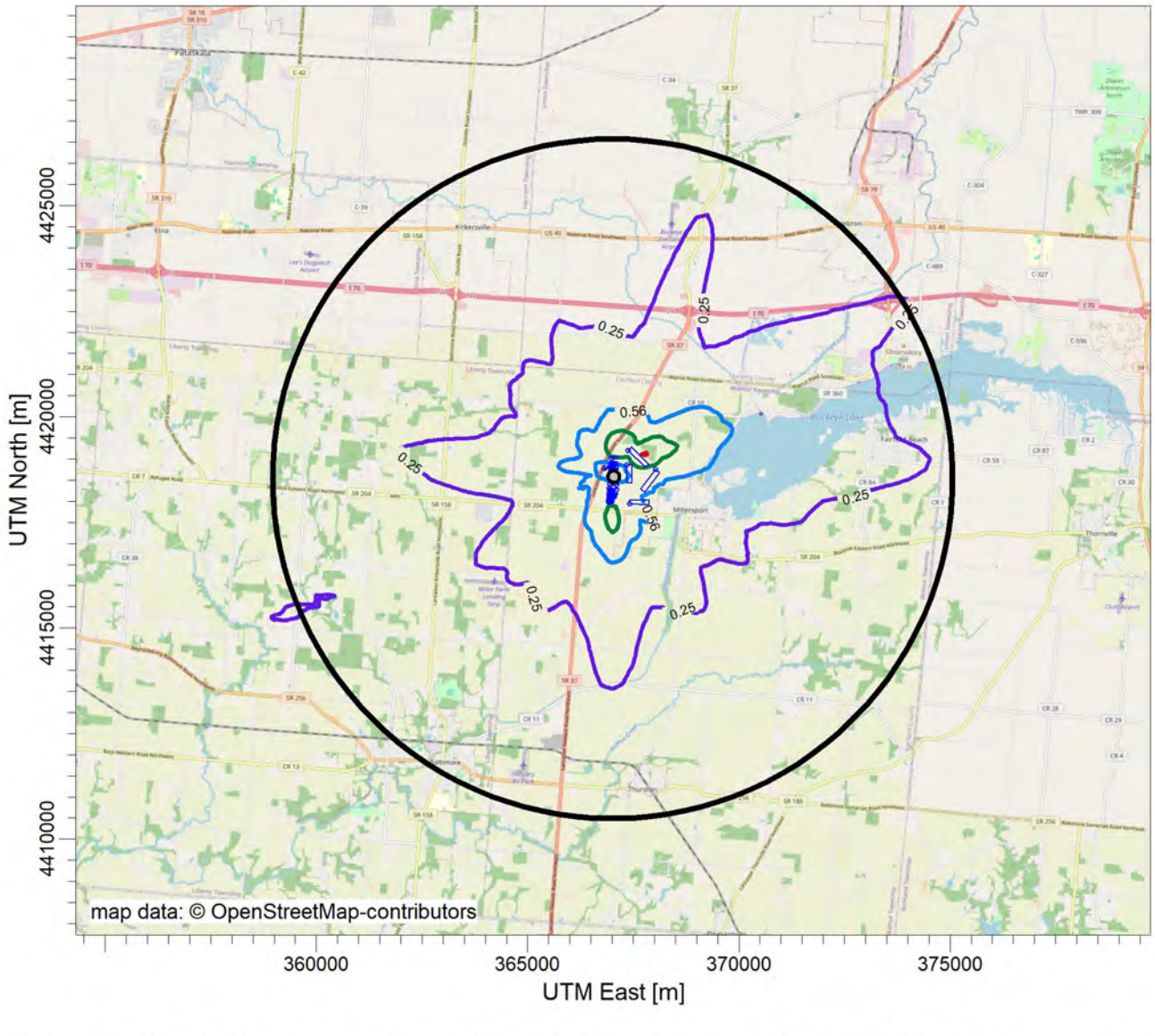
0134915

HALEY ALDRICH

AERMOD View - Lakes Environmental Software

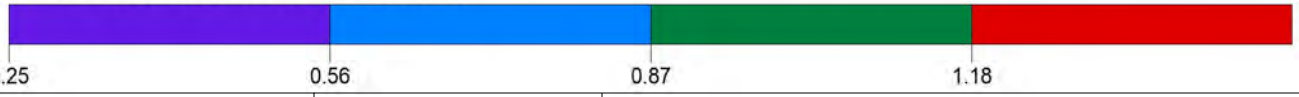
PROJECT TITLE:

Figure 07-12
24-Hour PM2.5 Air Modeling Isopleths



PLOT FILE OF 1ST-HIGHEST MAX DAILY 24-HR VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ug/m^3

Max: 1.21 [ug/m^3] at (367803.66, 4419113.00)



COMMENTS:

Project Site

5-mile radius

SIL is 1.2 ug/m^3

Fairfield Energy Center
Fairfield County, OH

24-Hour PM2.5

Concentration

SCALE: 1:160,000

0 5 km

MAX:

1.21 ug/m^3

PROJECT NO.:

0134915

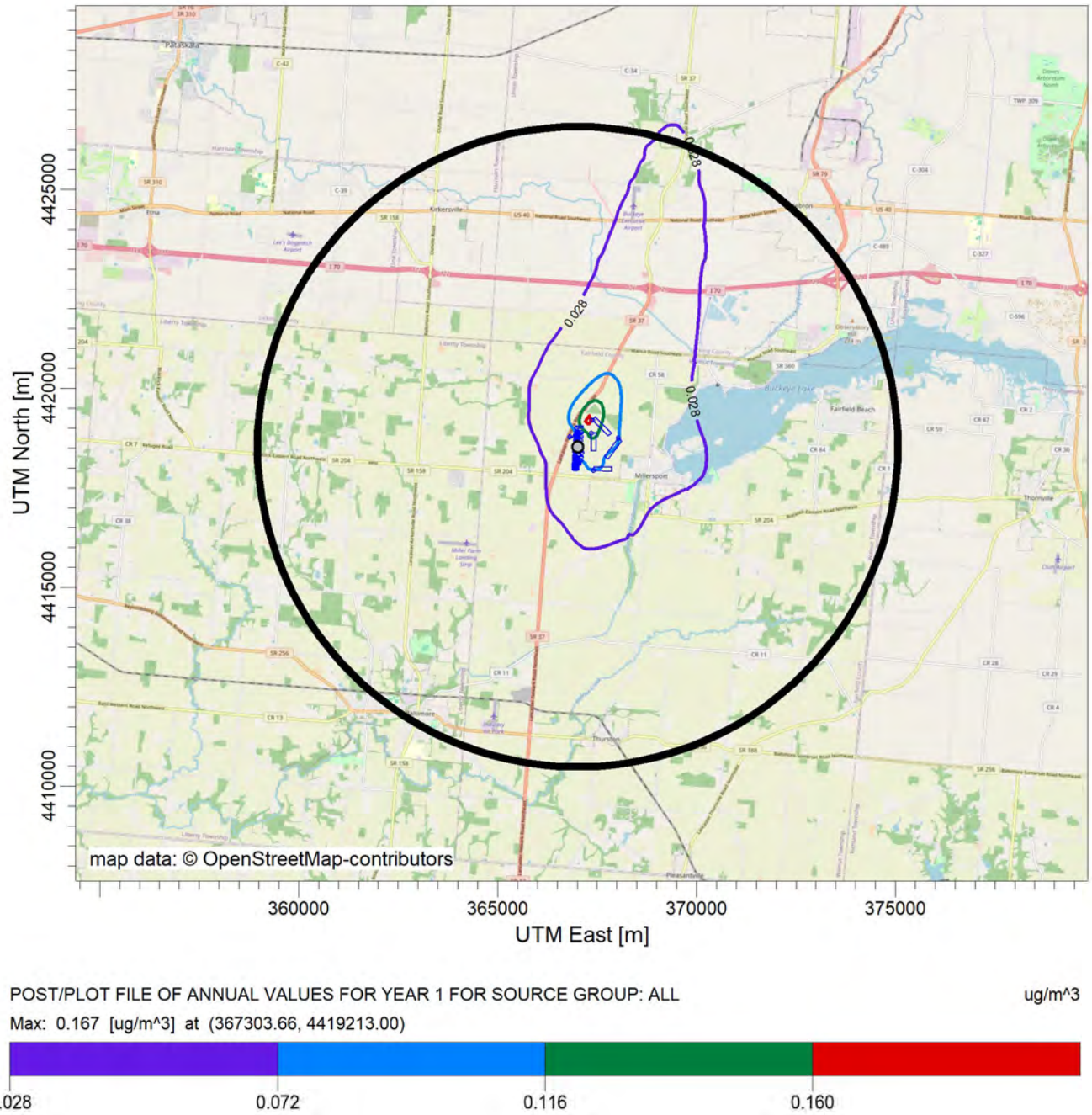
HALEY ALDRICH

AERMOD View - Lakes Environmental Software

D:\APV Fairfield\OPSB\PM25_S1_OPSB_24HR\PM25_S1_OPSB_24HR.isc

PROJECT TITLE:

Figure 07-13
Annual PM2.5 Air Modeling Isopleths



POST/PLOT FILE OF ANNUAL VALUES FOR YEAR 1 FOR SOURCE GROUP: ALL ug/m^3

Max: 0.167 [ug/m^3] at (367303.66, 4419213.00)

COMMENTS:

Project Site

5-mile radius

SIL is 0.13 ug/m^3

Fairfield Energy Center
Fairfield County, OH

Annual PM2.5

Concentration

SCALE: 1:160,000

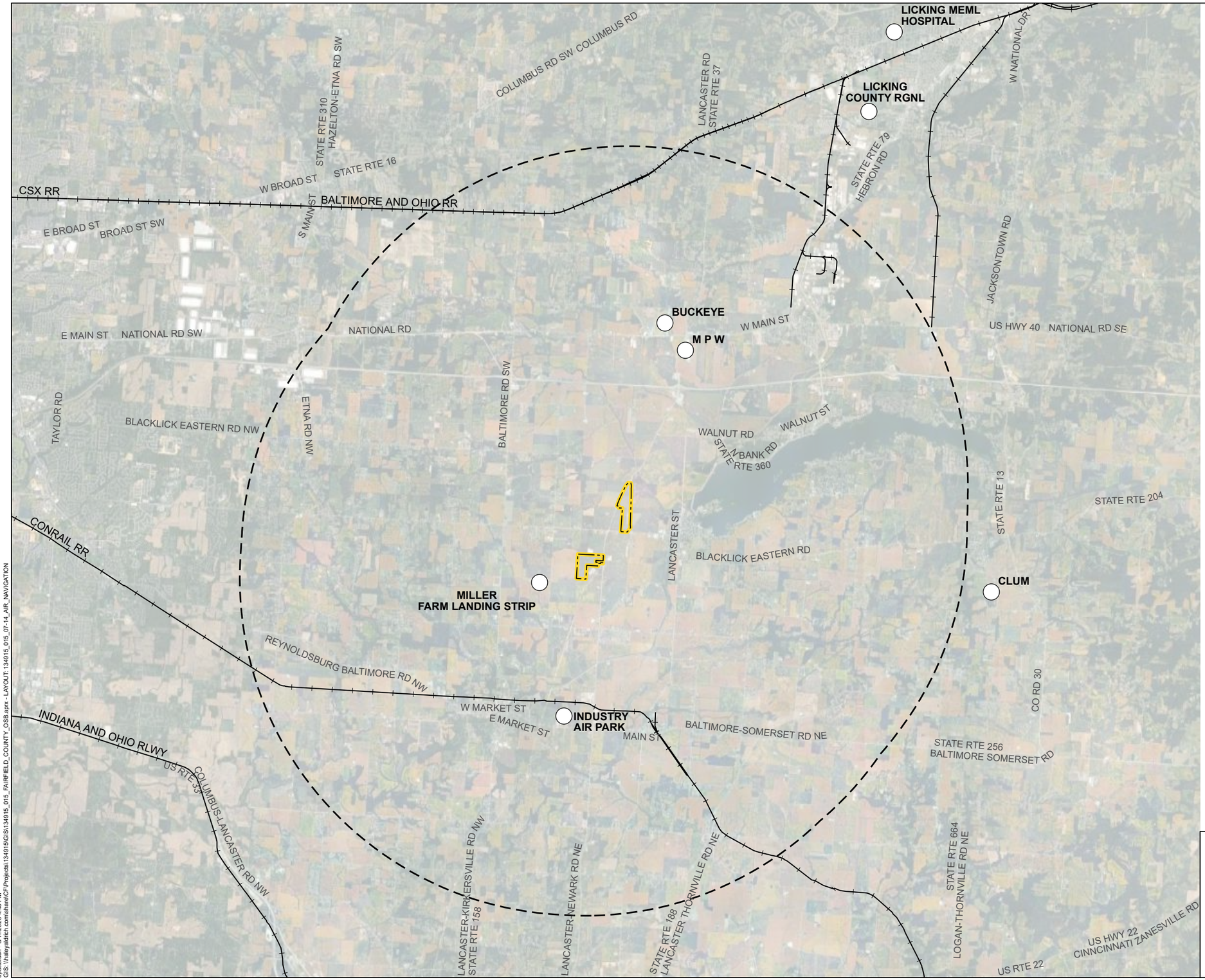
0 5 km

MAX:

0.167 ug/m^3

PROJECT NO.:

0134915



LEGEND

- AIRPORT
- RAILROAD
- PROJECT AREA
- 6 MILE BUFFER

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. AIRPORT SOURCE: FEDERAL AVIATION ADMINISTRATION
3. AERIAL IMAGERY SOURCE: GOOGLE EARTH

N

0 2 4
Miles

HALEY ALDRICH

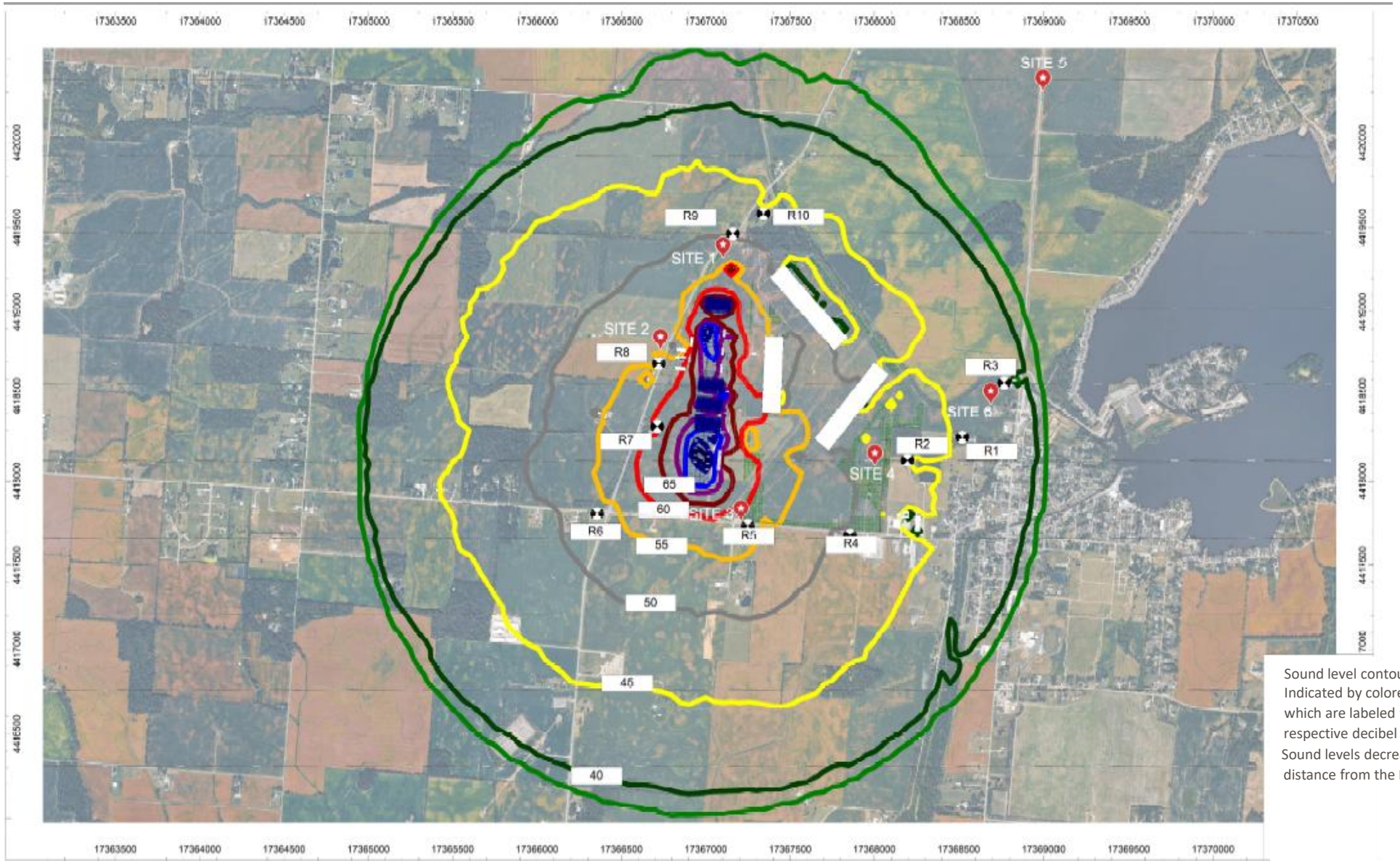
FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

AIR NAVIGATION FACILITIES WITHIN 6 NAUTICAL MILES

MAY 2026

FIGURE 07-14

Jpattenson - 5/11/2026, 4:40 PM
GIS: \\haleyaldrich.com\share\CF\Projects\134915\GIS\134915_015_FAIRFIELD_COUNTY_OSB.aprx - LAYOUT: 134915_015_07-14_AIR_NAVIGATION



Sound level contours are Indicated by colored lines, which are labeled with their respective decibel levels. Sound levels decrease with distance from the Project.

POR LOCATION
AREA SOURCE
POINT SOURCE
MEASUREMENT SITE

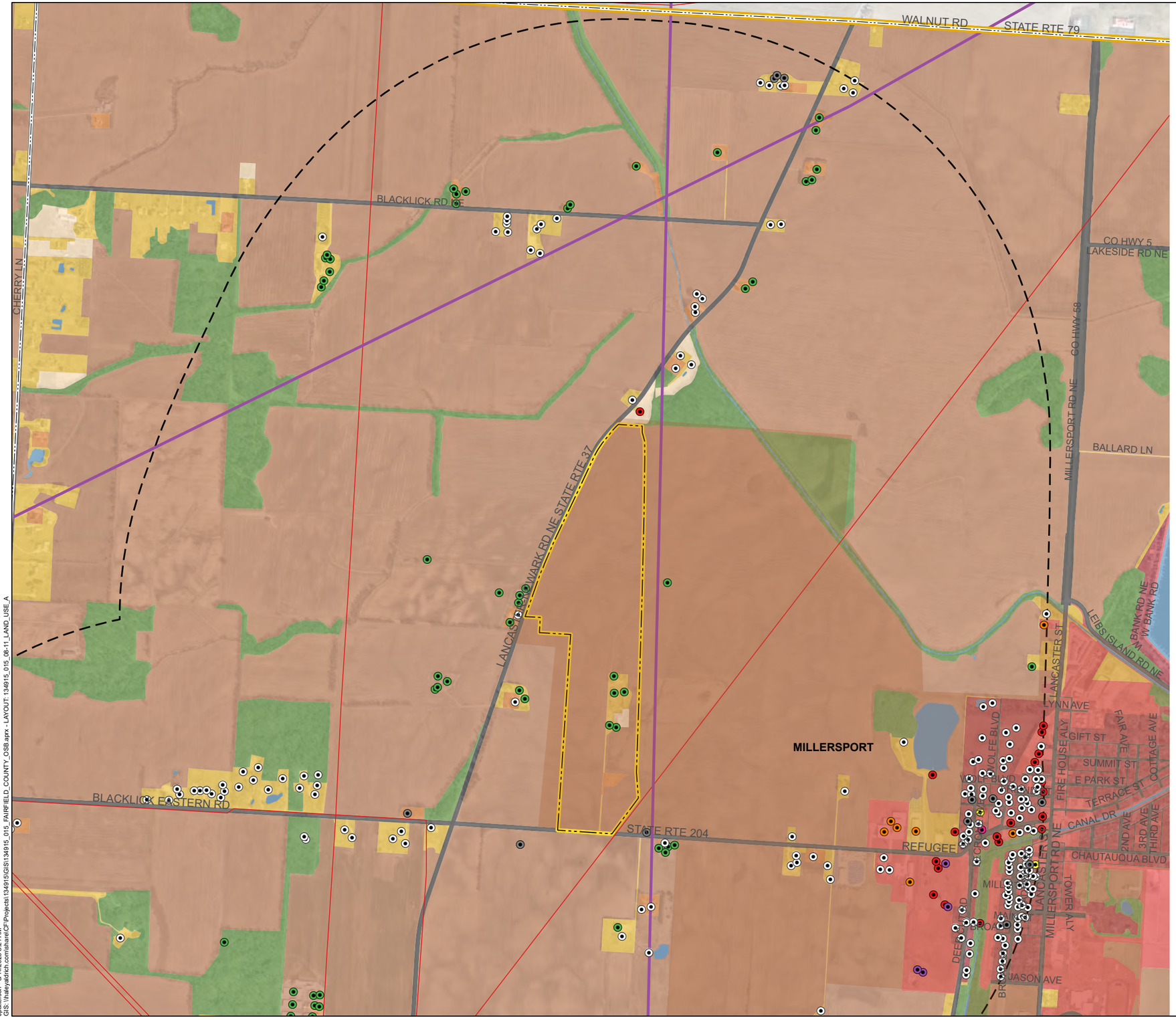
Source: Robert Anderson Group/RWDI

HALEY ALDRICH

FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

SOUND MONITORING LOCATIONS AND OPERATIONAL MODELING RESULTS

FIGURE 08-1



LEGEND

STRUCTURE TYPE

- AGRICULTURE
- ASSEMBLY
- COMMERCIAL
- EDUCATION
- GOVERNMENT
- INDUSTRIAL
- RESIDENTIAL
- UNCLASSIFIED
- NATURAL GAS PIPELINE
- ELECTRIC TRANSMISSION LINE
- 1 MILE BUFFER
- PROJECT AREA
- TOWNSHIP BOUNDARY
- COUNTY BOUNDARY

LANDCOVER

- DEVELOPED NON-RESIDENTIAL
- HIGH INTENSITY RESIDENTIAL
- HOMESITE
- LOW INTENSITY RESIDENTIAL
- PASTURE
- ROW
- TILLABLE
- WATER
- WOODLAND

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. LANDCOVER SOURCE: FAIRFIELD COUNTY OHIO AUDITORS OFFICE
3. STRUCTURES SOURCE: ESRI USA STRUCTURES
4. ELECTRICAL TRANSMISSION LINE SOURCE: U.S. DEPARTMENT OF ENERGY (DOE), NATIONAL ENERGY TECHNOLOGY LABORATORY (NETL)
5. NATURAL GAS LINE SOURCE: U.S. ENERGY INFORMATION ADMINISTRATION (EIA)
6. AERIAL IMAGERY SOURCE: NEARMAP, AUGUST 31, 2025

N

0 0.25 0.5
Miles

HALEY ALDRICH

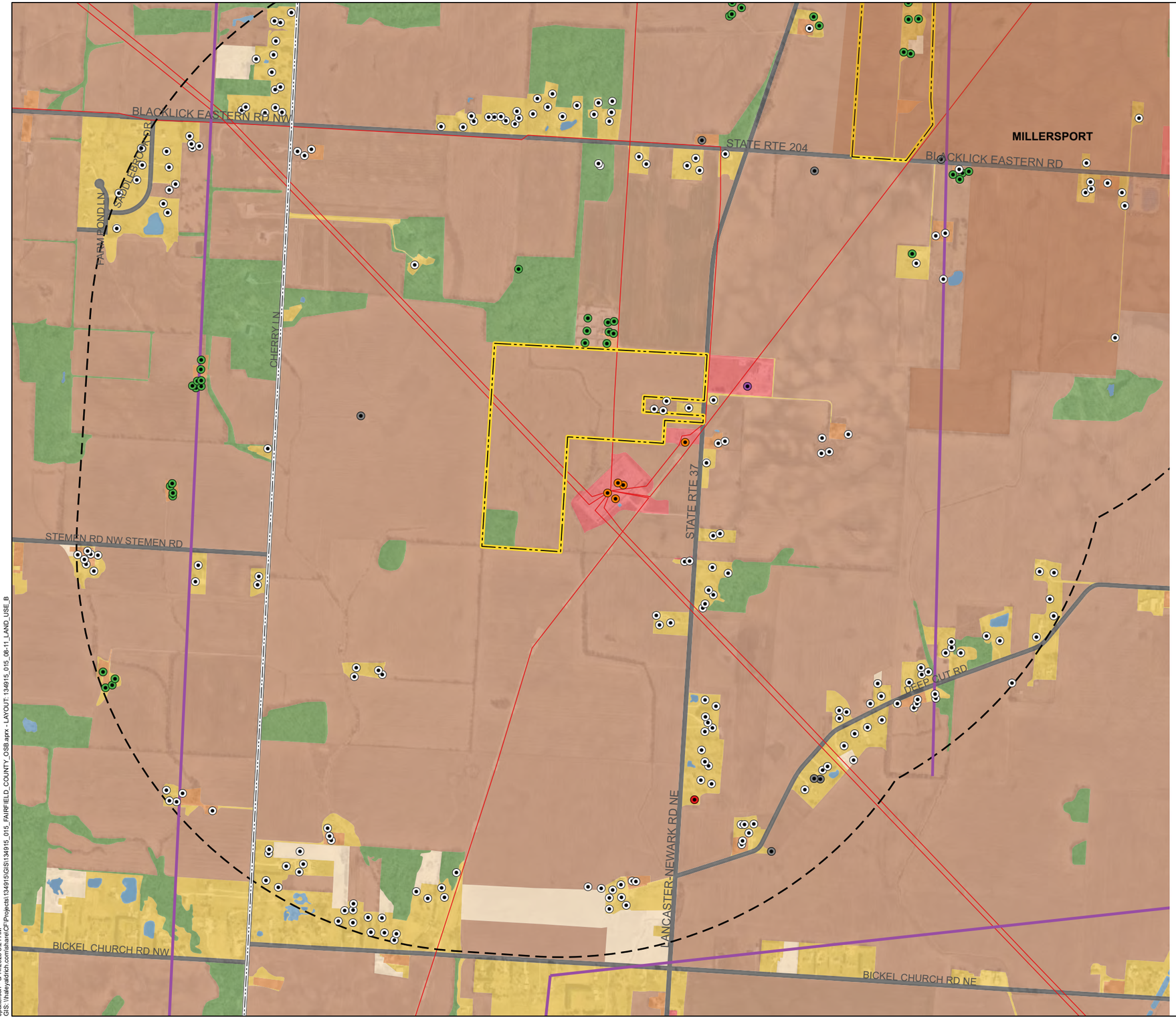
FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

LAND USE WITHIN 1 MILE

MAY 2026

FIGURE 08-2-A

JHatfield on - 5/14/2026 @ 2:1 AM
GIS: \\haleyaldrich.com\share\CF\Projects\134915\GIS\134915_015_FAIRFIELD_COUNTY_OSB.aprx - LAYOUT: 134915_015_08-11_LAND_USE_A



LEGEND

STRUCTURE TYPE

- AGRICULTURE
- COMMERCIAL
- GOVERNMENT
- INDUSTRIAL
- RESIDENTIAL
- UNCLASSIFIED
- NATURAL GAS PIPELINE
- ELECTRIC TRANSMISSION LINE
- 1 MILE BUFFER
- PROJECT AREA
- TOWNSHIP BOUNDARY
- COUNTY BOUNDARY

LANDCOVER

- DEVELOPED NON-RESIDENTIAL
- HOMESITE
- LOW INTENSITY RESIDENTIAL
- PASTURE
- ROW
- TILLABLE
- WATER
- WOODLAND

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. LANDCOVER SOURCE: FAIRFIELD COUNTY OHIO AUDITORS OFFICE
3. STRUCTURES SOURCE: ESRI USA STRUCTURES
4. ELECTRICAL TRANSMISSION LINE SOURCE: U.S. DEPARTMENT OF ENERGY (DOE), NATIONAL ENERGY TECHNOLOGY LABORATORY (NETL)
5. NATURAL GAS LINE SOURCE: U.S. ENERGY INFORMATION ADMINISTRATION (EIA)
6. AERIAL IMAGERY SOURCE: NEARMAP, AUGUST 31, 2025

N

0 0.25 0.5
Miles

HALEY ALDRICH

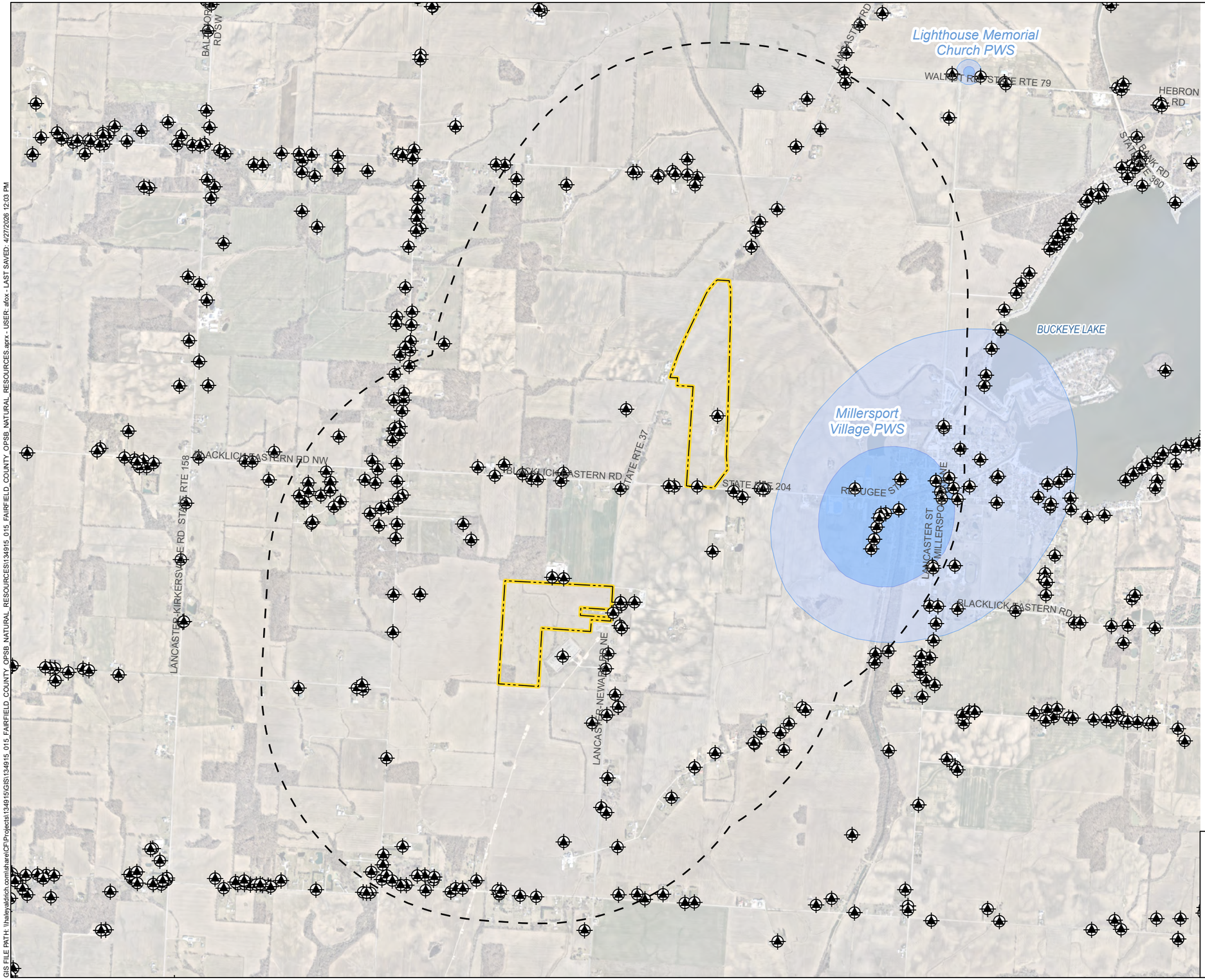
FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

LAND USE WITHIN 1 MILE

MAY 2026

FIGURE 08-2-B

jpatterson - 5/14/2026 8:21 AM
GIS: \\haleyaldrich.com\share\CF\Projects\134915\GIS\134915_015_FAIRFIELD_COUNTY_OSB.aprx - LAYOUT: 134915_015_08-11_LAND_USE_B



LEGEND

- WATER WELL
- PROJECT AREA
- ONE MILE BUFFER
- SOURCE WATER PROTECTION AREA
- INNER MANAGEMENT ZONE

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. PWS = PUBLIC WATER SYSTEM
3. WATER WELL DATA SOURCE: OHIO DEPARTMENT OF NATURAL RESOURCES (ODNR)
4. WATER PROTECTION AREA AND SOLE SOURCE AQUIFER DATA SOURCE: OHIO ENVIRONMENTAL PROTECTION AGENCY (OEPA). NO SOLE SOURCE AQUIFERS OCCUR IN THE PROJECT VICINITY
5. AERIAL IMAGERY SOURCE: NEARMAP, AUGUST 31, 2025

N

0 2,500 5,000
SCALE IN FEET

HALEY ALDRICH

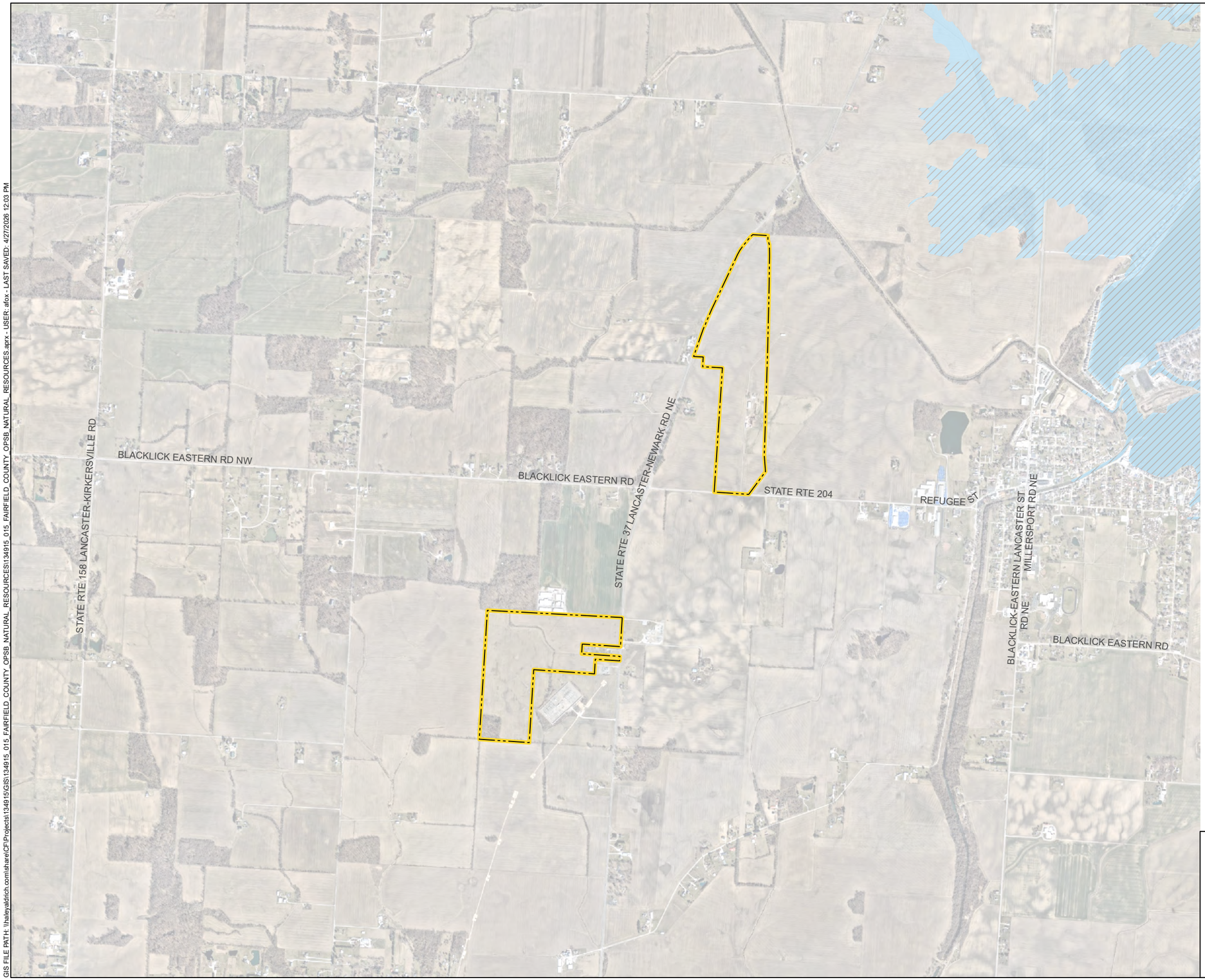
FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

WATER WELLS AND WATER PROTECTION AREAS

MAY 2026

FIGURE 08-3

GIS FILE PATH: \\haleyaldrich.com\share\CF\Projects\134915\GIS\134915_015_FAIRFIELD_COUNTY_OPSB_NATURAL_RESOURCES\134915_015_FAIRFIELD_COUNTY_OPSB_NATURAL_RESOURCES.aprx - USER: afox - LAST SAVED: 4/27/2026 12:03 PM



LEGEND

PROJECT AREA

FLOOD ZONE

FLOOD ZONE A

FLOOD ZONE AE

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.

2. FLOOD ZONE DATA SOURCE: FEDERAL EMERGENCY MANAGMENT AGENCY (FEMA)

3. AERIAL IMAGERY SOURCE:NEARMAP, AUGUST 31, 2025

N

0 2,000 4,000

SCALE IN FEET

HALEY ALDRICH

FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

MAPPED FLOODPLAINS

MAY 2026

FIGURE 08-4

GIS FILE PATH: \\haleyaldrich.com\share\CP\Projects\134915\GIS\134915_015_FAIRFIELD_COUNTY_OPSB_NATURAL_RESOURCES\134915_015_FAIRFIELD_COUNTY_OPSB_NATURAL_RESOURCES.aprx - USER: sfox - LAST SAVED: 4/27/2026 12:03 PM

BLACKLICK RD
CO HWY 83
BLACKLICK RD NW
BLACKLICK RD NE
G1
a
CO HWY 5
LAKESIDE RD NE
MILLERSPORT RD NE
CO HWY 58
W BANK RD NE
W BANK RD
BALLARD LN
w
MAPLE AVE
PARK PL
LEIBS ISLAND RD NE
FAIR AVE
LANCASTER ST
FIRE HOUSE ALY
SUMMIT ST
E PARK ST
N HIGH AVE
HIGH
CANAL DR
TERRACE ST
4TH AVE
5TH AVE
FIFTH AVE
SIXTH AVE
7TH AVE
8TH AVE
CHAUTAUQUA BLVD
REFUGEE ST
LECRONE AVE
WOLFE BLVD
TADPOLE ST
MILL ST
MAIN ST
BROAD ST
LANCASTER ST
LAKER DR
SUMMERLAND BEACH RD NE
EAST ST
BLACKLICK EASTERN RD NW
G1b
SADDLEBROOK DR
CHERRY LN
G1
BLACKLICK EASTERN RD
STATE RTE 204
STATE RTE 37 LANCASTER-NEWARK RD NE
STATE RTE 158 LANCASTER-KIRKERSVILLE RD
STEMEN RD NW STEMEN RD
M2b
LC
GEIGER RD NE
GEIGER RD
MILLERSPORT RD
DEEP CUT RD
G1

LEGEND

WELL BY TYPE

- UNKNOWN STATUS
- DRY HOLE
- GAS
- OIL AND GAS
- PLUGGED GAS
- PLUGGED GAS WITH OIL SHOW
- PLUGGED OIL AND GAS
- PROJECT AREA

QUATERNARY GEOLOGY

HOLOCENE (RECENT) - 10 KA TO PRESENT

- W - WATER
- A - ALLUVIUM AND ALLUVIAL TERRACES

LATE WISCONSINAN - 23 TO 13 KA; WATER-DEPOSITED UNITS

- LC - LACUSTRINE CLAY

LATE WISCONSINAN - EARLY WOODFORDIAN (24 TO 18 KA) ICE-DEPOSITED UNITS: LOAM TILL WITH THIN (<1 METER) LOESS COVER (KNOX, LAKE, MT. LIBERTY, CAESAR, PICKERELLTOWN, SHELBYVILLE, KENT, NAVARRE TILLS)

- G1 - GROUND MORAINE
- G1B - GROUND MORAINE WITH HIGH CONCENTRATIONS OF SURFACE BOULDERS

LATE WISCONSINAN - LATE WOODFORDIAN (18 TO 14 KA) ICE-DEPOSITED UNITS: SILTY LOAM TILL (DARBY, BELLEFONTAINE, CENTERBURG, GRAND LAKE, ARCANUM, KNIGHTSTOWN TILLS)

- M2B - END MORAINE WITH HIGH CONCENTRATIONS OF SURFACE BOULDERS

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. WELLS AND MINES SOURCE: OHIO DEPARTMENT OF NATURAL RESOURCES (OHIO DNR)
3. GEOLOGY SOURCE: OHIO DNR
4. INJECTION WELLS, MINES, AND KARST TOPOGRAPHY FEATURES NOT OBSERVED WITHIN CURRENT MAP EXTENT
5. AERIAL IMAGERY SOURCE: NEARMAP, AUGUST 31, 2025

N

0 2,000 4,000

SCALE IN FEET

HALEY ALDRICH

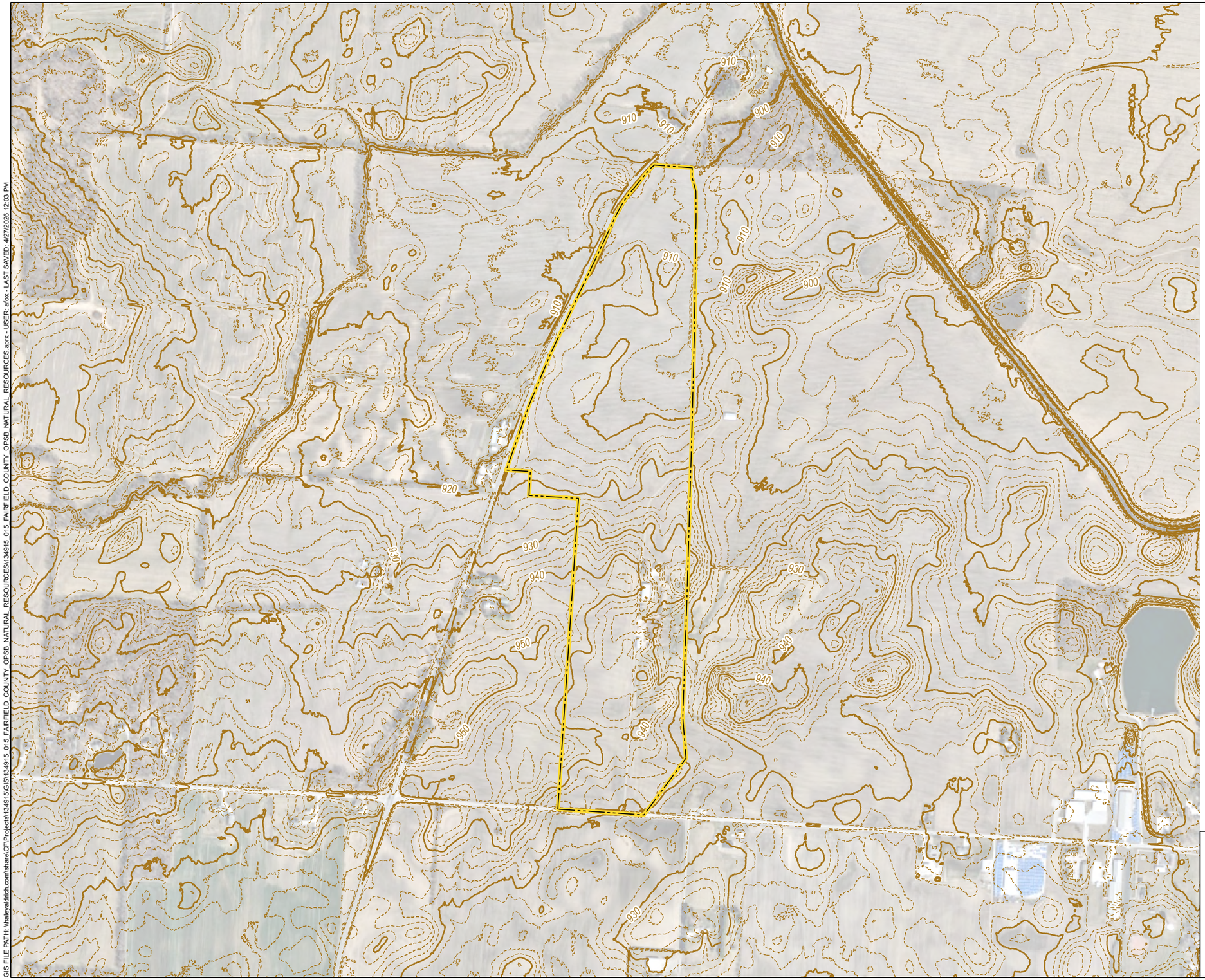
FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

GEOLOGIC FEATURES, MAPPED INJECTION WELLS, OIL AND GAS WELLS, AND UNDERGROUND ABANDONED MINES

MAY 2026

FIGURE 08-5

jmatherson - 5/5/2026 10:35 AM
GIS: \\haleyaldrich.com\share\CF\Projects\134915\GIS\134915_015_FAIRFIELD_COUNTY_OSB.aprx - LAYOUT: 134915_015_08-5_OIL_GAS



LEGEND

- TOPOGRAPHIC ELEVATION CONTOUR, 10 FOOT INTERVAL
- TOPOGRAPHIC ELEVATION CONTOUR, 4 FOOT INTERVAL
- PROJECT AREA

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. TOPOGRAPHIC CONTOURS SOURCE: FAIRFIELD COUNTY AUDITOR'S OFFICE
3. AERIAL IMAGERY SOURCE:NEARMAP, AUGUST 31, 2025

N

0 800 1,600
SCALE IN FEET

HALEY ALDRICH

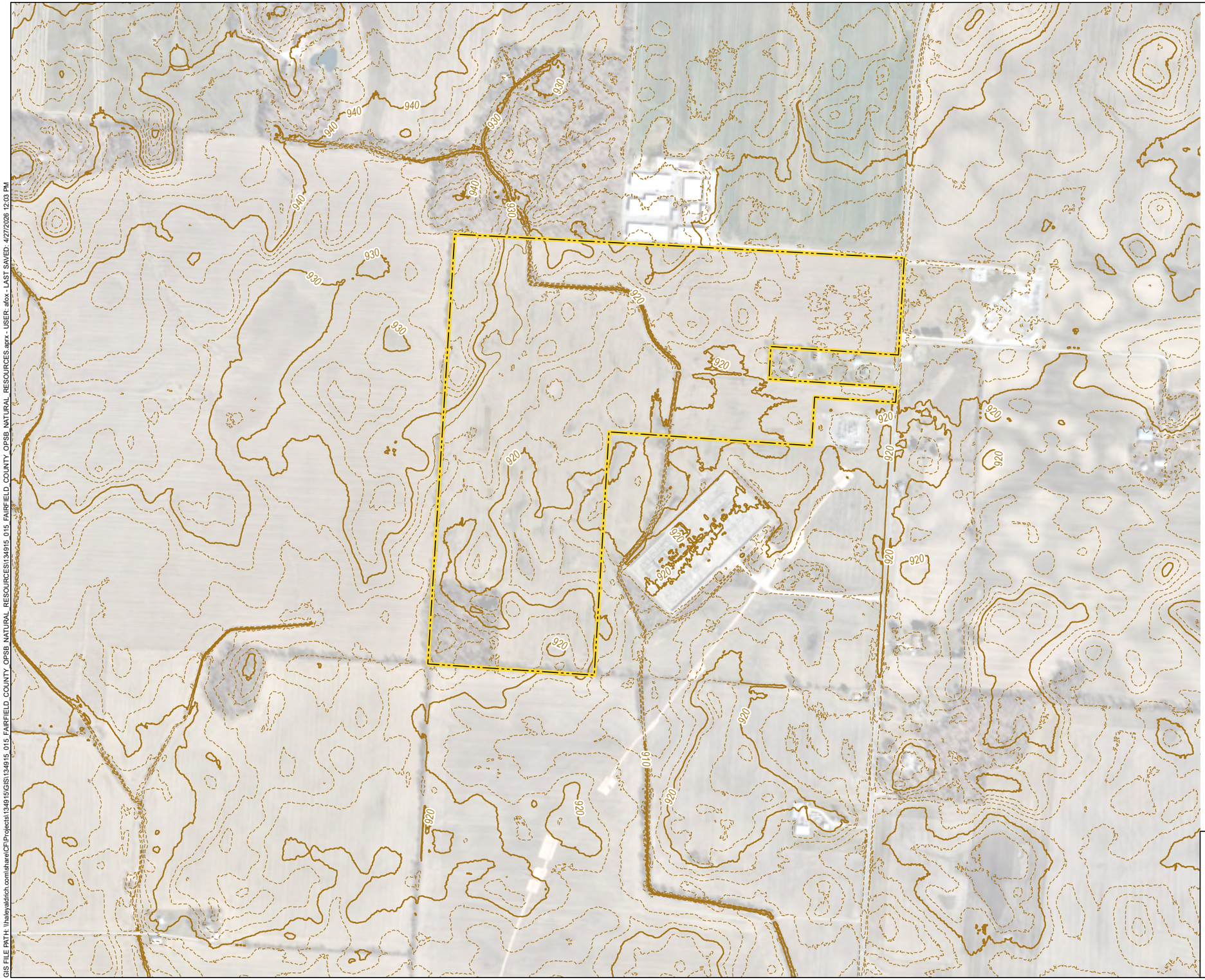
FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

TOPOGRAPHIC CONTOURS

FIGURE 08-6-A

MAY 2026

GIS FILE PATH: \\haleyaldrich.com\share\CFI Projects\134915\GIS\GIS\134915_015_FAIRFIELD_COUNTY_OPSB_NATURAL_RESOURCES\134915_015_FAIRFIELD_COUNTY_OPSB_NATURAL_RESOURCES.aprx - USER: sfox - LAST SAVED: 4/27/2026 12:03 PM



LEGEND

- TOPOGRAPHIC ELEVATION CONTOUR, 10 FOOT INTERVAL
- TOPOGRAPHIC ELEVATION CONTOUR, 4 FOOT INTERVAL
- PROJECT AREA

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. TOPOGRAPHIC CONTOURS SOURCE: FAIRFIELD COUNTY AUDITOR'S OFFICE
3. AERIAL IMAGERY SOURCE:NEARMAP, AUGUST 31, 2025

N

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SCALE IN FEET

HALEY ALDRICH

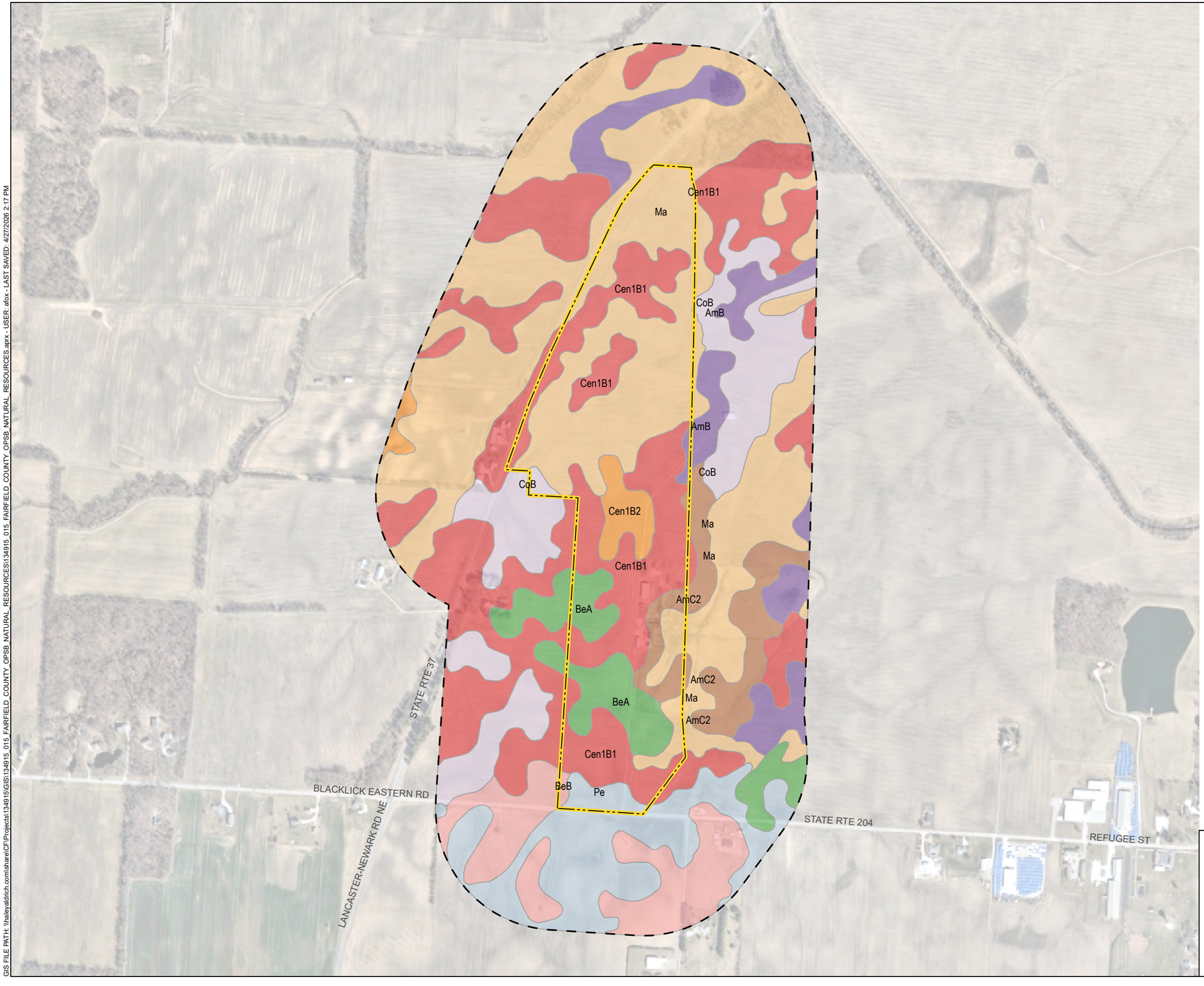
FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

TOPOGRAPHIC CONTOURS

FIGURE 08-6-B

MAY 2026

GIS FILE PATH: \\haleyaldrich.com\share\CP\Projects\134915\GIS\134915_015_FAIRFIELD_COUNTY_OPSB_NATURAL_RESOURCES\134915_015_FAIRFIELD_COUNTY_OPSB_NATURAL_RESOURCES.aprx - USER: afox - LAST SAVED: 4/27/2026 12:03 PM



LEGEND

- PROJECT AREA
- 1,000 FOOT BUFFER

SOIL CLASSIFICATION

- AMB - AMANDA SILT LOAM, 2 TO 6 PERCENT SLOPES
- AMC2 - AMANDA SILT LOAM, 6 TO 12 PERCENT SLOPES, ERODED
- BEA - BENNINGTON SILT LOAM, 0 TO 2 PERCENT SLOPES
- BEB - BENNINGTON SILT LOAM, 2 TO 6 PERCENT SLOPES
- CEN1B1 - CENTERBURG SILT LOAM, 2 TO 6 PERCENT SLOPES
- CEN1B2 - CENTERBURG SILT LOAM, 2 TO 6 PERCENT SLOPES, ERODED
- COB - CORWIN SILT LOAM, 2 TO 6 PERCENT SLOPES
- MA - MARENGO CLAY LOAM
- PE - PEWAMO SILTY CLAY LOAM, LOW CARBONATE TILL, 0 TO 2 PERCENT SLOPES

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.

2. SOILS DATA SOURCE: UNITED STATES DEPARTMENT OF AGRICULTURE (USDA) NATURAL RESOURCES CONSERVATION SERVICE (NRCS)

3. AERIAL IMAGERY SOURCE: NEARMAP, AUGUST 31, 2025

N

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SCALE IN FEET

HALEY ALDRICH

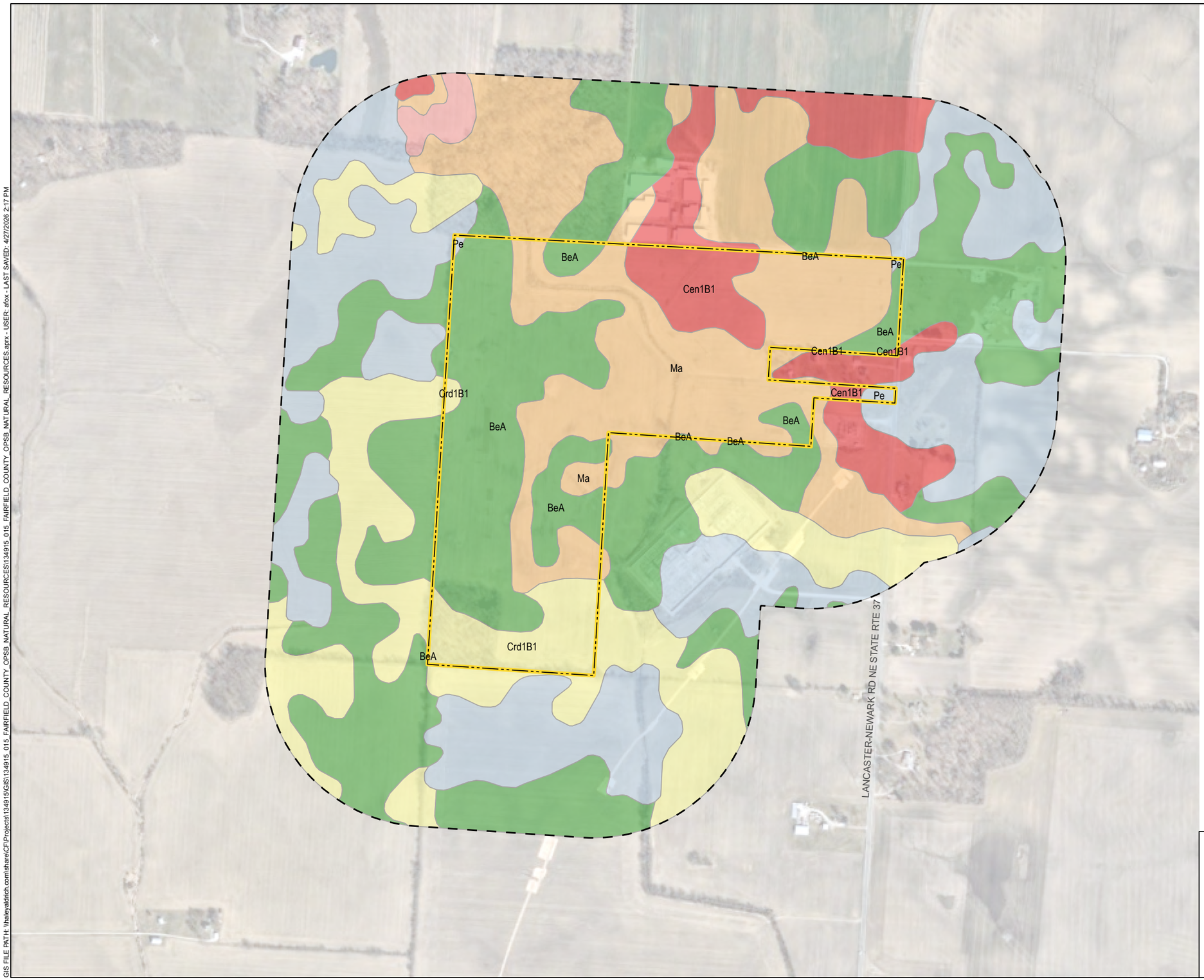
FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

SOILS MAPPING

MAY 2026

FIGURE 08-7-A

GIS FILE PATH: \\haleyaldrich.com\share\CFLProjects\134915\GIS\134915_015_FAIRFIELD_COUNTY_OPSB_NATURAL_RESOURCES\134915_015_FAIRFIELD_COUNTY_OPSB_NATURAL_RESOURCES.aprx - USER: sfox - LAST SAVED: 4/27/2026 2:17 PM



LEGEND

- PROJECT AREA
- 1,000 FOOT BUFFER

SOIL CLASSIFICATION

- BEA - BENNINGTON SILT LOAM, 0 TO 2 PERCENT SLOPES
- BEB - BENNINGTON SILT LOAM, 2 TO 6 PERCENT SLOPES
- CEN1B1 - CENTERBURG SILT LOAM, 2 TO 6 PERCENT SLOPES
- CRD1B1 - CARDINGTON SILT LOAM, 2 TO 6 PERCENT SLOPES
- MA - MARENGO CLAY LOAM
- PE - PEWAMO SILTY CLAY LOAM, LOW CARBONATE TILL, 0 TO 2 PERCENT SLOPES

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.

2. SOILS DATA SOURCE: UNITED STATES DEPARTMENT OF AGRICULTURE (USDA) NATURAL RESOURCES CONSERVATION SERVICE (NRCS)

3. AERIAL IMAGERY SOURCE: NEARMAP, AUGUST 31, 2025

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0 600 1,200

SCALE IN FEET

HALEY ALDRICH

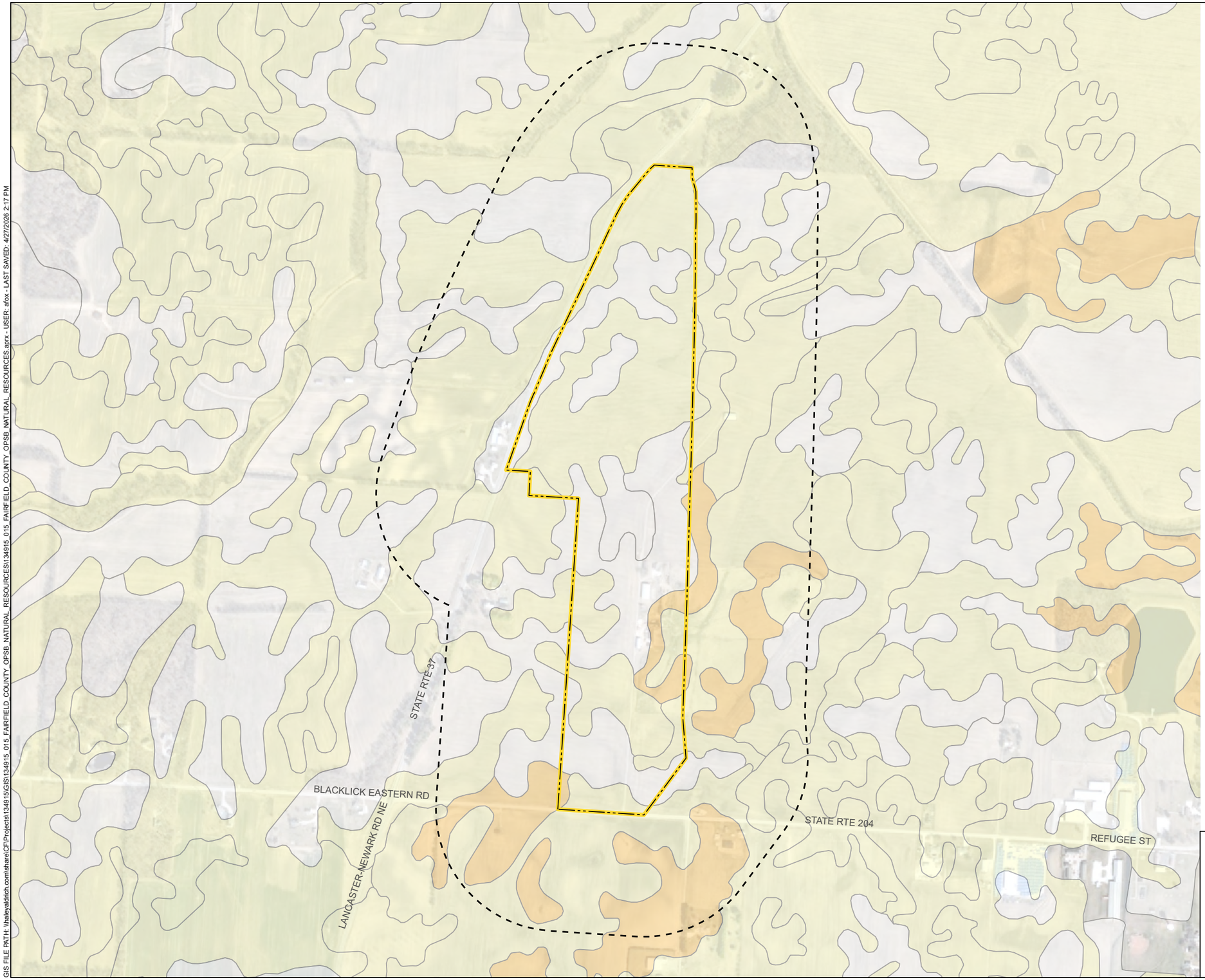
FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

SOILS MAPPING

MAY 2026

FIGURE 08-7-B

GIS FILE PATH: \\haleyaldrich.com\share\CFI\Projects\134915\GIS\134915_015_FAIRFIELD_COUNTY_OPSB_NATURAL_RESOURCES\134915_015_FAIRFIELD_COUNTY_OPSB_NATURAL_RESOURCES.aprx - USER: afox - LAST SAVED: 4/27/2026 2:17 PM



LEGEND

PROJECT AREA

1,000 FOOT BUFFER

CLASSIFICATION

NOT CLASSIFIED

NOT HIGHLY ERODIBLE LAND

POTENTIALLY HIGHLY ERODIBLE LAND

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.

2. NO HIGHLY ERODIBLE LAND (HEL) OR SLOPES OF 12% OR GREATER WERE IDENTIFIED IN THE PROJECT AREA OR VICINITY.

3. SOILS DATA SOURCE: UNITED STATES GEOLOGICAL SURVEY (USGS) AND NATURAL RESOURCES CONSERVATION SERVICE (NRCS) FIELD OFFICE TECHNICAL GUIDE, FAIRFIELD COUNTY, OHIO (2004)

4. AERIAL IMAGERY SOURCE: NEARMAP, AUGUST 31, 2025

N

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SCALE IN FEET

HALEY ALDRICH

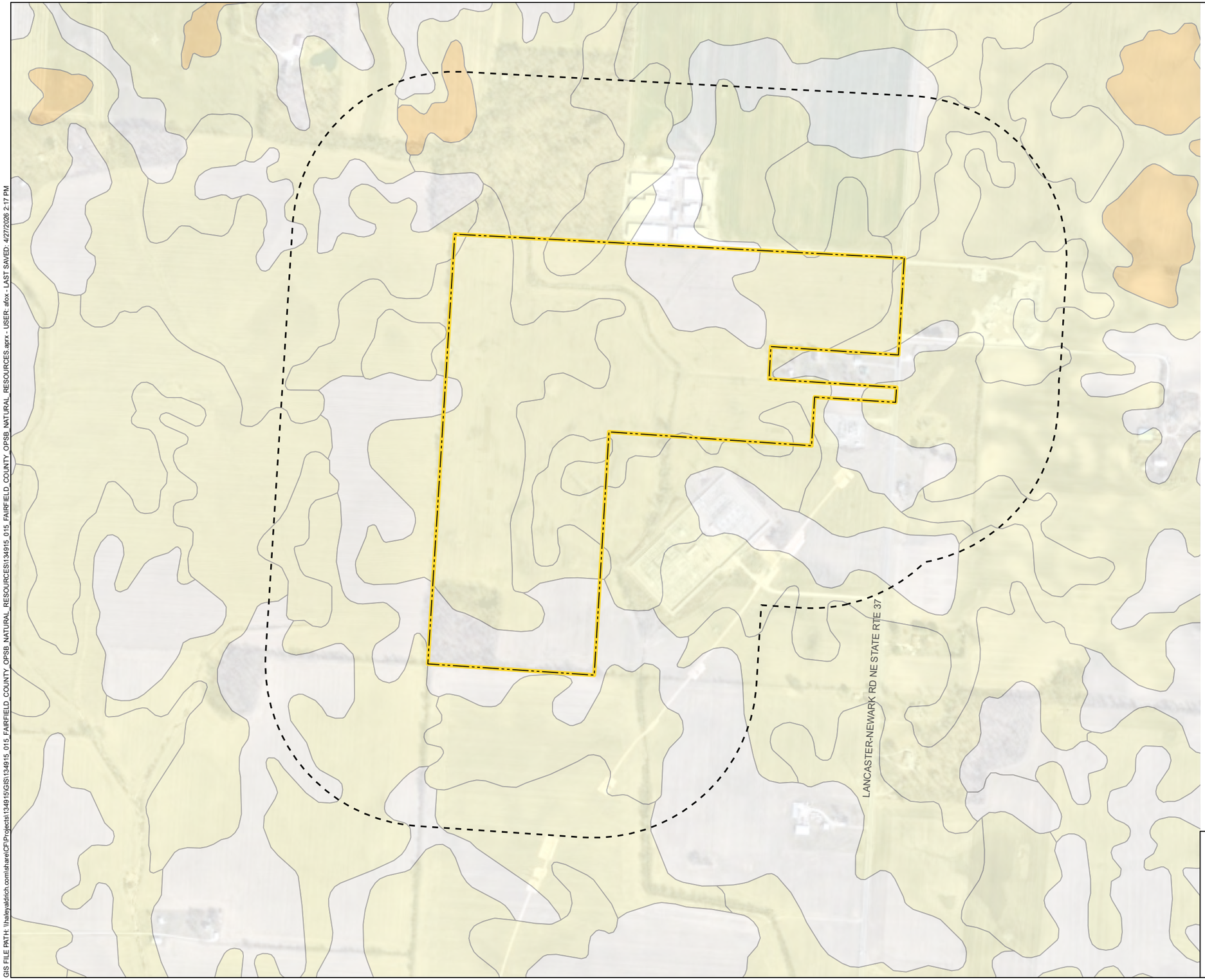
FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

EXCESSIVE SLOPES AND HIGHLY ERODIBLE SOILS

FIGURE 08-8-A

MAY 2026

GIS FILE PATH: \\haleyaldrich.com\share\CF\Projects\134915\GIS\134915_015_FAIRFIELD_COUNTY_OPSB_NATURAL_RESOURCES\134915_015_FAIRFIELD_COUNTY_OPSB_NATURAL_RESOURCES.aprx - USER: afox - LAST SAVED: 4/27/2026 2:17 PM



LEGEND

PROJECT AREA

1,000 FOOT BUFFER

CLASSIFICATION

NOT CLASSIFIED

NOT HIGHLY ERODIBLE LAND

POTENTIALLY HIGHLY ERODIBLE LAND

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.

2. NO HIGHLY ERODIBLE LAND (HEL) OR SLOPES OF 12% OR GREATER WERE IDENTIFIED IN THE PROJECT AREA OR VICINITY.

3. SOILS DATA SOURCE: UNITED STATES GEOLOGICAL SURVEY (USGS) AND NATURAL RESOURCES CONSERVATION SERVICE (NRCS) FIELD OFFICE TECHNICAL GUIDE, FAIRFIELD COUNTY, OHIO (2004)

4. AERIAL IMAGERY SOURCE: NEARMAP, AUGUST 31, 2025

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SCALE IN FEET

HALEY ALDRICH

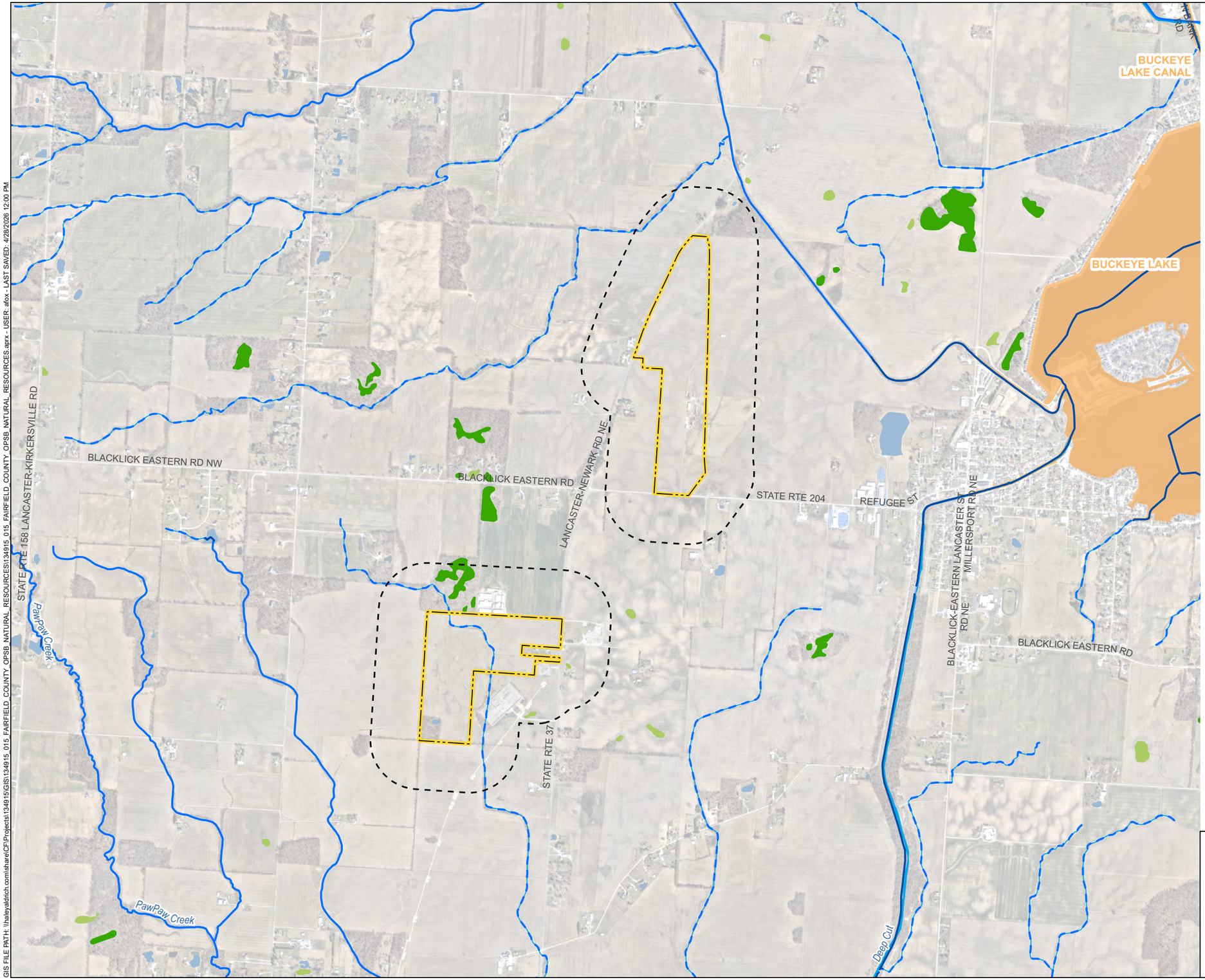
FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

EXCESSIVE SLOPES AND HIGHLY ERODIBLE SOILS

FIGURE 08-8-B

MAY 2026

GIS FILE PATH: \\haleyaldrich.com\share\CF\Projects\134915\GIS\134915_015_FAIRFIELD_COUNTY_OPSB_NATURAL_RESOURCES\134915_015_FAIRFIELD_COUNTY_OPSB_NATURAL_RESOURCES.aprx - USER: afox - LAST SAVED: 4/27/2026 2:17 PM



LEGEND

- STREAM OR RIVER - PERENNIAL
- STREAM OR RIVER - INTERMITTENT
- ARTIFICIAL PATH
- PROJECT AREA
- 1,000 FOOT BUFFER
- ODNR LAND

NWI WETLAND BY TYPE

- FRESHWATER EMERGENT
- FRESHWATER FORESTED/SHRUB
- FRESHWATER POND
- RIVERINE

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. HYDROGRAPHY DATA SOURCE: USGS NATIONAL HYDROGRAPHY DATASET (NHD)
3. ODNR LANDS DATA SOURCE: OHIO DEPARTMENT OF NATURAL RESOURCES (ODNR)
4. WETLANDS DATA SOURCE: USFWS NATIONAL WETLANDS INVENTORY (NWI)
5. AERIAL IMAGERY SOURCE: NEARMAP, AUGUST 31, 2025

N

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SCALE IN FEET

HALEY ALDRICH

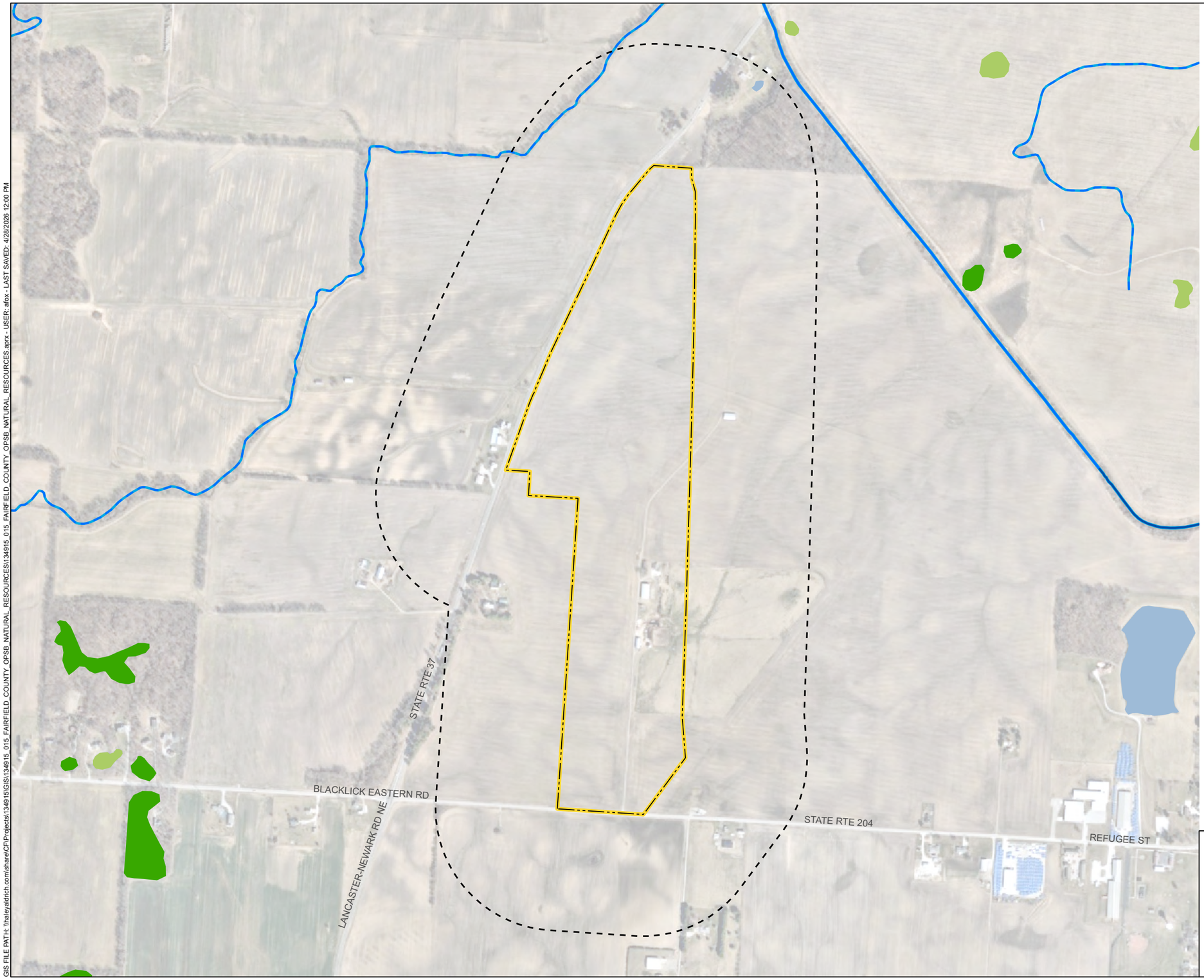
FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

MAPPED NATURAL RESOURCES

MAY 2026

FIGURE 08-9-A

GIS FILE PATH: \\haleyaldrich.com\share\CFI\Projects\134915\GIS\134915_015_FAIRFIELD_COUNTY_OPSB_NATURAL_RESOURCES\134915_015_FAIRFIELD_COUNTY_OPSB_NATURAL_RESOURCES.aprx - USER: sfox - LAST SAVED: 4/28/2026 12:00 PM



LEGEND

- STREAM OR RIVER - INTERMITTENT
- STREAM OR RIVER - PERENNIAL
- ARTIFICIAL PATH
- PROJECT AREA
- 1,000 FOOT BUFFER

NWI WETLAND BY TYPE

- FRESHWATER EMERGENT
- FRESHWATER FORESTED/SHRUB
- FRESHWATER POND
- RIVERINE

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. HYDROGRAPHY DATA SOURCE: USGS NATIONAL HYDROGRAPHY DATASET (NHD)
3. ODNR LANDS DATA SOURCE: OHIO DEPARTMENT OF NATURAL RESOURCES (ODNR)
4. WETLANDS DATA SOURCE: USFWS NATIONAL WETLANDS INVENTORY (NWI)
5. AERIAL IMAGERY SOURCE: NEARMAP, AUGUST 31, 2025

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SCALE IN FEET

HALEY ALDRICH

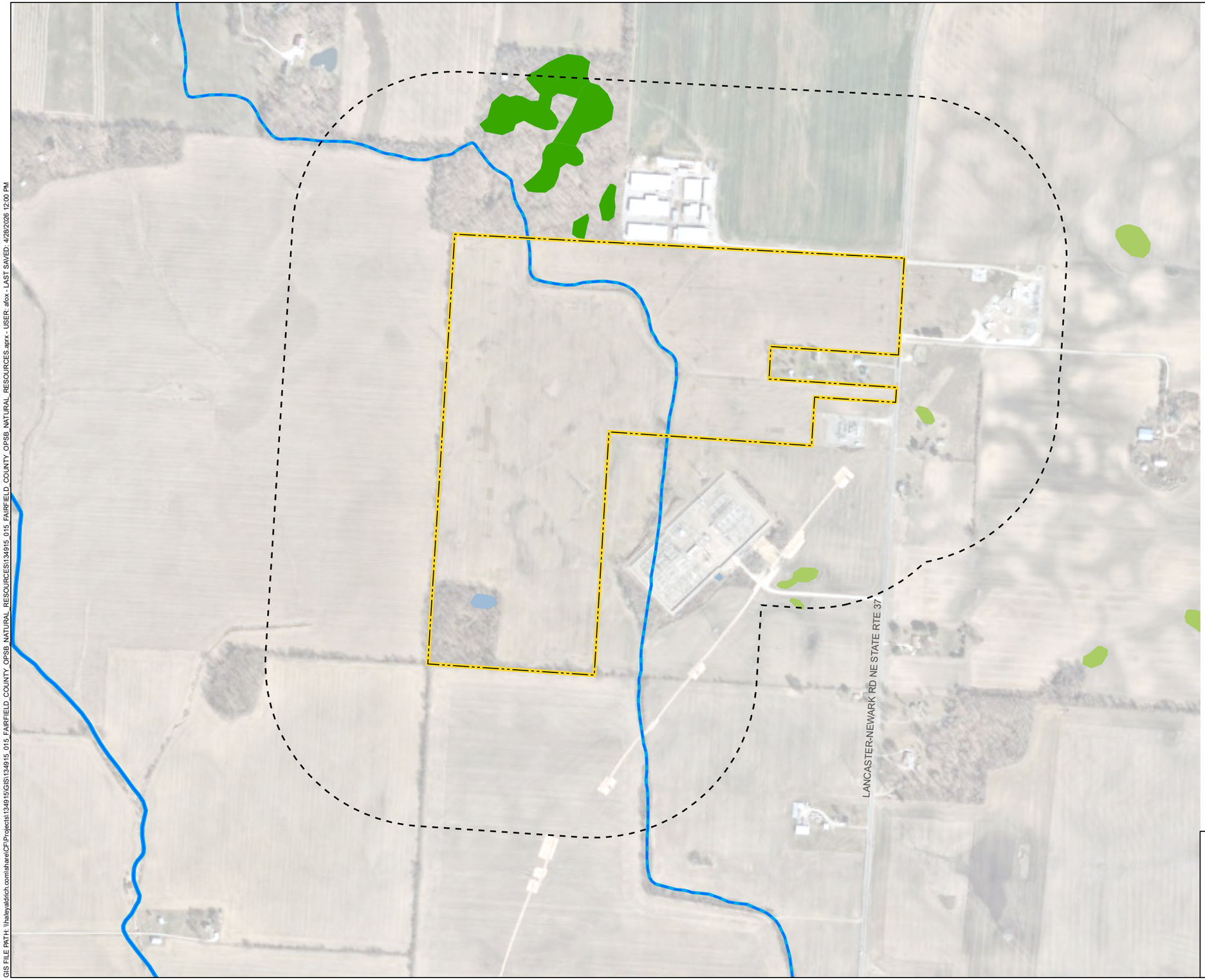
FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

MAPPED NATURAL RESOURCES

MAY 2026

FIGURE 08-9-B

GIS FILE PATH: \\haleyaldrich.com\share\CP\Projects\134915\GIS\134915_015_FAIRFIELD_COUNTY_OPSB_NATURAL_RESOURCES\134915_015_FAIRFIELD_COUNTY_OPSB_NATURAL_RESOURCES.aprx - USER: afox - LAST SAVED: 4/28/2026 12:00 PM



LEGEND

- STREAM OR RIVER - INTERMITTENT
- STREAM OR RIVER - PERENNIAL
- PROJECT AREA
- 1,000 FOOT BUFFER

NWI WETLAND BY TYPE

- FRESHWATER EMERGENT
- FRESHWATER FORESTED/SHRUB
- FRESHWATER POND
- RIVERINE

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.

2. HYDROGRAPHY DATA SOURCE: USGS NATIONAL HYDROGRAPHY DATASET (NHD)

3. ODNR LANDS DATA SOURCE: OHIO DEPARTMENT OF NATURAL RESOURCES (ODNR)

4. WETLANDS DATA SOURCE: USFWS NATIONAL WETLANDS INVENTORY (NWI)

5. AERIAL IMAGERY SOURCE: NEARMAP, AUGUST 31, 2025

N

0 600 1,200

SCALE IN FEET

HALEY ALDRICH

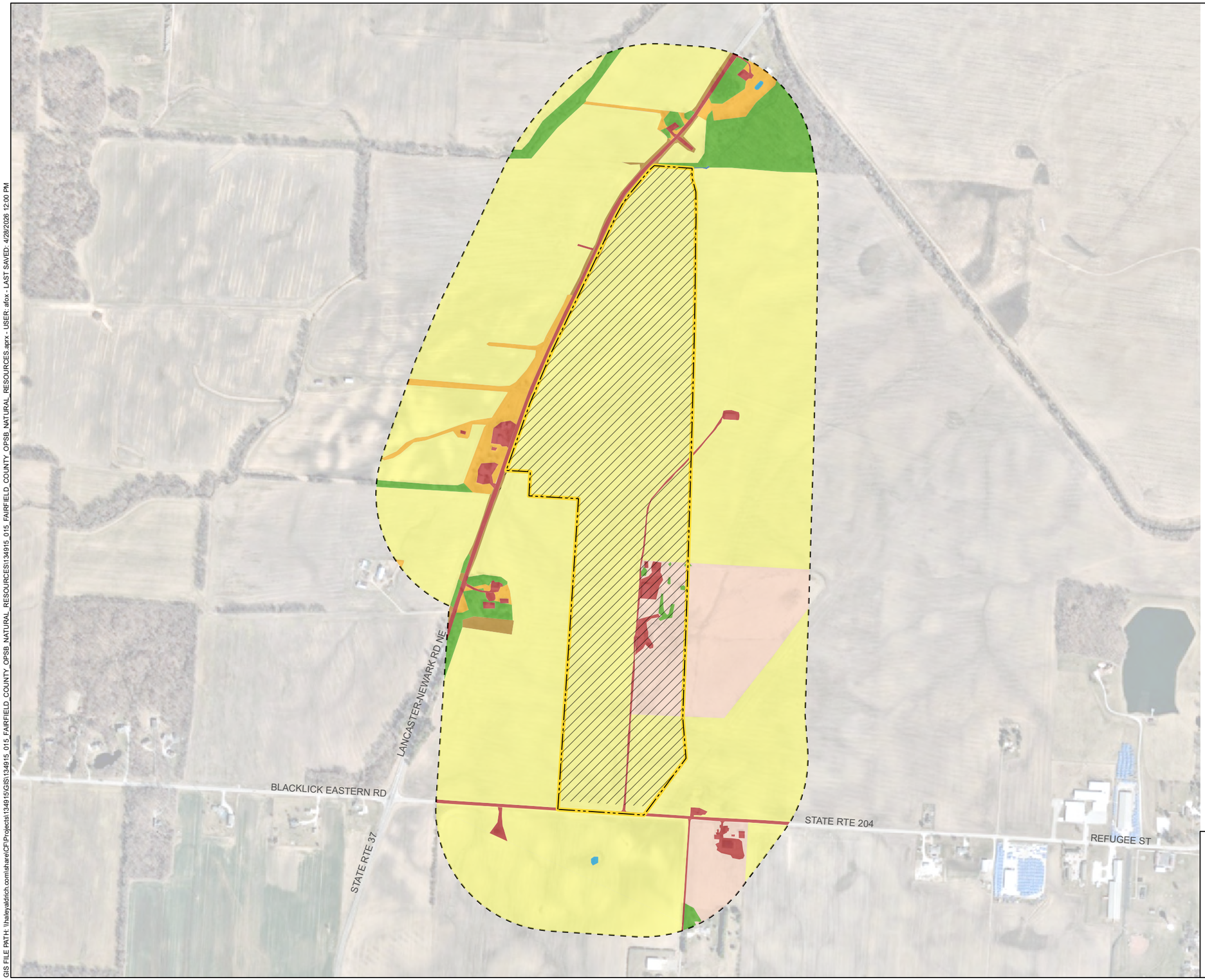
FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

MAPPED NATURAL RESOURCES

MAY 2026

FIGURE 08-9-C

GIS FILE PATH: \\haleyaldrich.com\share\CFP\Projects\134915\GIS\134915_015_FAIRFIELD_COUNTY_OPSB_NATURAL_RESOURCES\134915_015_FAIRFIELD_COUNTY_OPSB_NATURAL_RESOURCES.aprx - USER: afox - LAST SAVED: 4/28/2026 12:00 PM



LEGEND

- PROJECT AREA
- 1,000 FOOT BUFFER

ECOLOGICAL COMMUNITY BY TYPE

- ROW CROP
- DEVELOPED
- FORESTED
- HERBACEOUS
- MEADOW
- OPEN WATER
- PASTURE
- WETLAND
- VEGETATION CLEARING

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ECOLOGICAL COMMUNITIES WERE DETERMINED USING NATIONAL LAND COVER DATASET (NLCD) 2024 AND AERIAL IMAGERY.
3. AERIAL IMAGERY SOURCE: NEARMAP, AUGUST 31, 2025

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SCALE IN FEET

HALEY ALDRICH

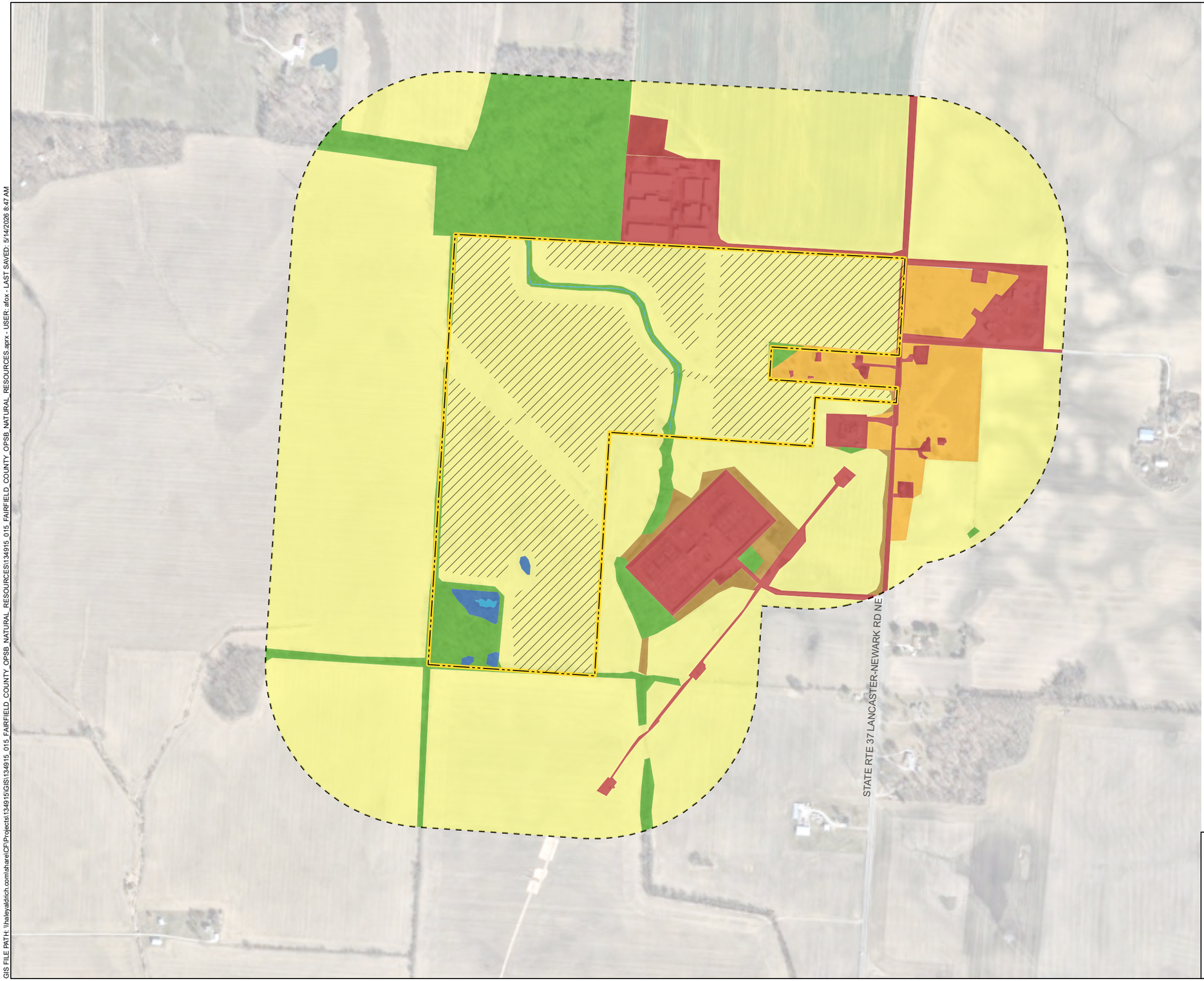
FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

ECOLOGICAL COMMUNITIES AND ANTICIPATED IMPACTS

MAY 2026

FIGURE 08-10-A

GIS FILE PATH: \\haleyaldrich.com\share\CP\Projects\134915\GIS\134915_015_FAIRFIELD_COUNTY_OPSB_NATURAL_RESOURCES\134915_015_FAIRFIELD_COUNTY_OPSB_NATURAL_RESOURCES.aprx - USER: afox - LAST SAVED: 4/28/2026 12:00 PM



LEGEND

- PROJECT AREA
- 1,000 FOOT BUFFER

ECOLOGICAL COMMUNITY BY TYPE

- ROW CROP
- DEVELOPED
- FORESTED
- HERBACEOUS
- MEADOW
- OPEN WATER
- PASTURE
- WETLAND
- VEGETATION CLEARING

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.

2. ECOLOGICAL COMMUNITIES WERE DETERMINED USING NATIONAL LAND COVER DATASET (NLCD) 2024 AND AERIAL IMAGERY.

3. AERIAL IMAGERY SOURCE: NEARMAP, AUGUST 31, 2025

N

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SCALE IN FEET

HALEY ALDRICH

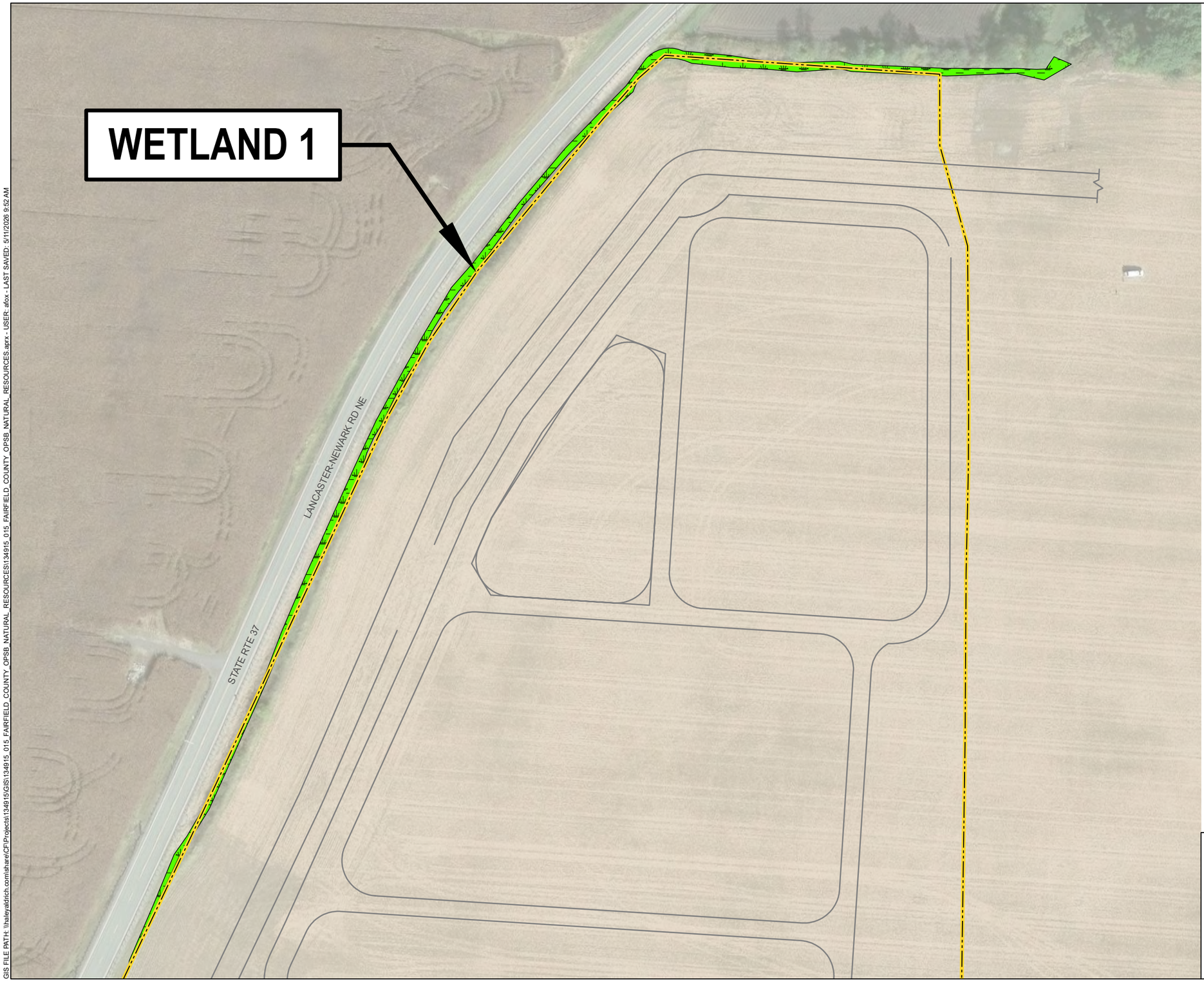
FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

ECOLOGICAL COMMUNITIES AND ANTICIPATED IMPACTS

MAY 2026

FIGURE 08-10-B

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LEGEND

- FACILITY COMPONENT
- PROJECT AREA
- 1,000 FOOT BUFFER

DELINEATED WETLAND BY TYPE

- PALUSTRINE EMERGENT (PEM)



NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. PROJECT SITE DELINEATED WETLANDS BASED ON FIELD OBSERVATIONS BY KIMLEY AND HORN STAFF, 25 NOVEMBER 2024.
3. AERIAL IMAGERY SOURCE: ESRI

N

0 110 220

SCALE IN FEET

HALEY ALDRICH

FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

DELINEATED WETLANDS AND STREAMS

MAY 2026

FIGURE 08-11-A

GIS FILE PATH: \\haleyaldrich.com\share\CF\Projects\134915\GIS\134915_015_FAIRFIELD_COUNTY_OPSB_NATURAL_RESOURCES\134915_015_FAIRFIELD_COUNTY_OPSB_NATURAL_RESOURCES.aprx - USER: afox - LAST SAVED: 5/11/2026 9:52 AM



LEGEND

- CULVERT
- PROJECT AREA
- 1,000 FOOT BUFFER
- DELINEATED STREAM
- POTENTIAL LAYDOWN AREA
- POTENTIAL ACCESS ROAD



NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. TEMPORARY LAYDOWN DELINEATED WETLANDS BASED ON FIELD OBSERVATIONS BY HALEY AND ALDRICH STAFF ON MARCH 24, 2026.
3. AERIAL IMAGERY SOURCE: ESRI

N

0 150 300
SCALE IN FEET

HALEY ALDRICH

FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

DELINEATED WETLANDS AND STREAMS

MAY 2026

FIGURE 08-11-B

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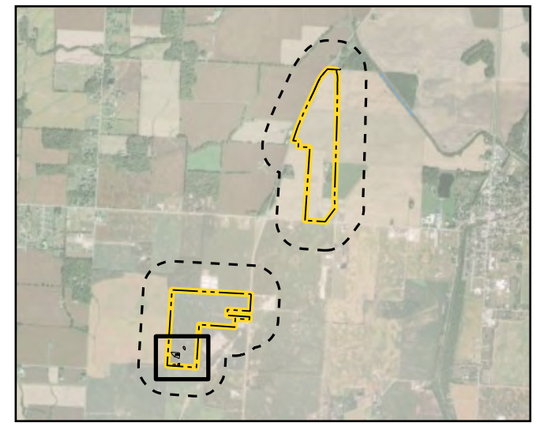


LEGEND

- PROJECT AREA
- 1,000 FOOT BUFFER
- POTENTIAL LAYDOWN AREA

DELINEATED WETLAND BY TYPE

- PALUSTRINE EMERGENT (PEM)
- PALUSTRINE FORESTED (PFO)
- PALUSTRINE UNCONSOLIDATED BOTTOM (PUB)



NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. TEMPORARY LAYDOWN DELINEATED WETLANDS BASED ON FIELD OBSERVATIONS BY HALEY AND ALDRICH STAFF ON MARCH 24, 2026.
3. AERIAL IMAGERY SOURCE: ESRI

N

0 150 300

SCALE IN FEET

HALEY ALDRICH

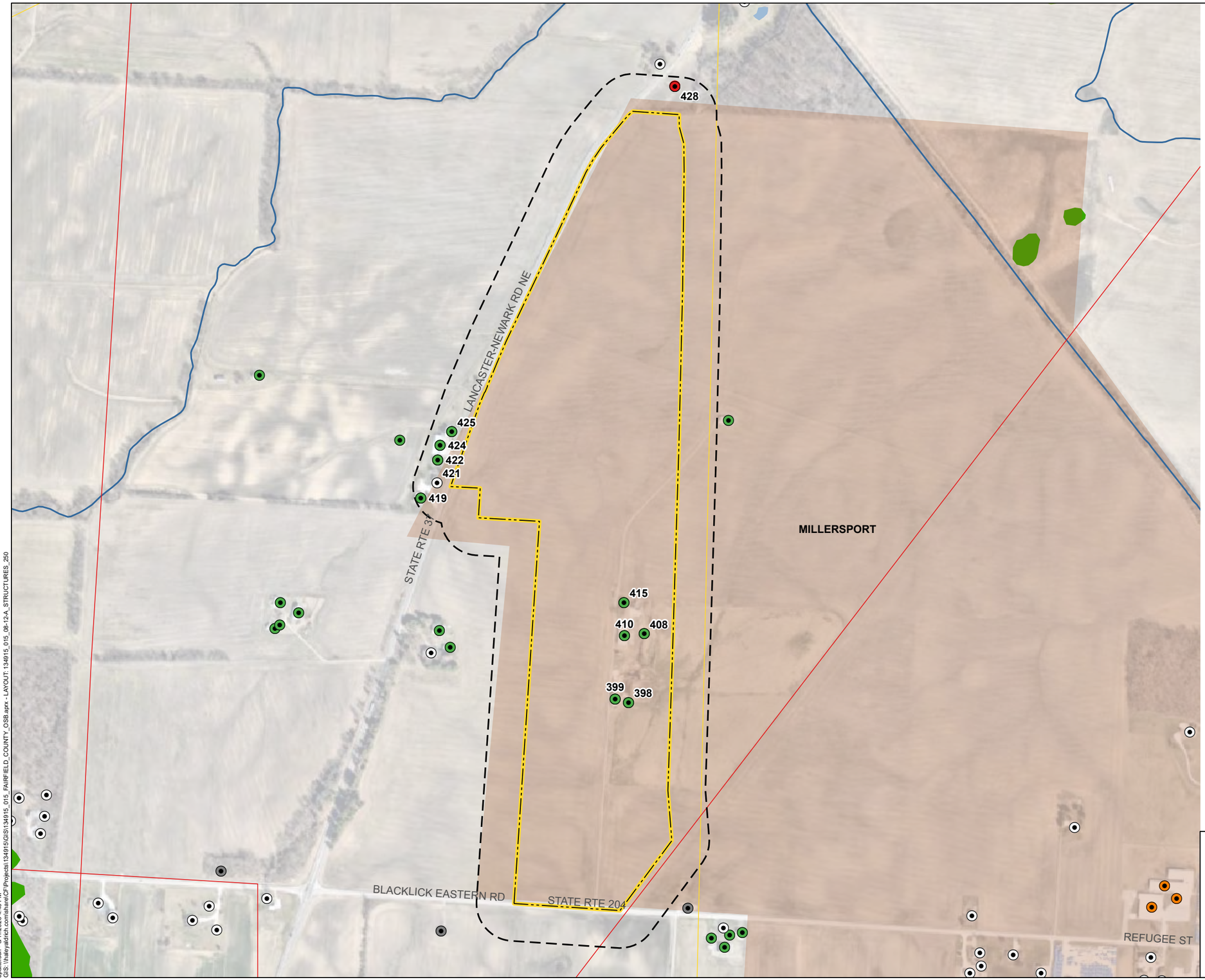
FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

DELINEATED WETLANDS AND STREAMS

MAY 2026

FIGURE 08-11-C

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LEGEND

STRUCTURE TYPE

- AGRICULTURE
- COMMERCIAL
- INDUSTRIAL
- RESIDENTIAL
- UNCLASSIFIED
- STREAM/RIVER
- NATURAL GAS PIPELINE
- ELECTRIC TRANSMISSION LINE

NWI WETLAND BY TYPE

- FRESHWATER EMERGENT
- FRESHWATER FORESTED/SHRUB
- FRESHWATER POND
- RIVERINE

- PROJECT AREA
- 250 FOOT BUFFER
- MUNICIPAL BOUNDARY

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ELECTRICAL TRANSMISSION LINE SOURCE: U.S. DEPARTMENT OF ENERGY (DOE), NATIONAL ENERGY TECHNOLOGY LABORATORY (NETL)
3. NATURAL GAS LINE SOURCE: U.S. ENERGY INFORMATION ADMINISTRATION (EIA)
4. STRUCTURES SOURCE: ESRI USA STRUCTURES
5. PARCEL BOUNDARY SOURCE: OHIO GEOGRAPHICALLY REFERENCED INFORMATION PROGRAM
6. AERIAL IMAGERY SOURCE: NEARMAP, AUGUST 31, 2025

N

0 650 1,300

SCALE IN FEET

HALEY ALDRICH

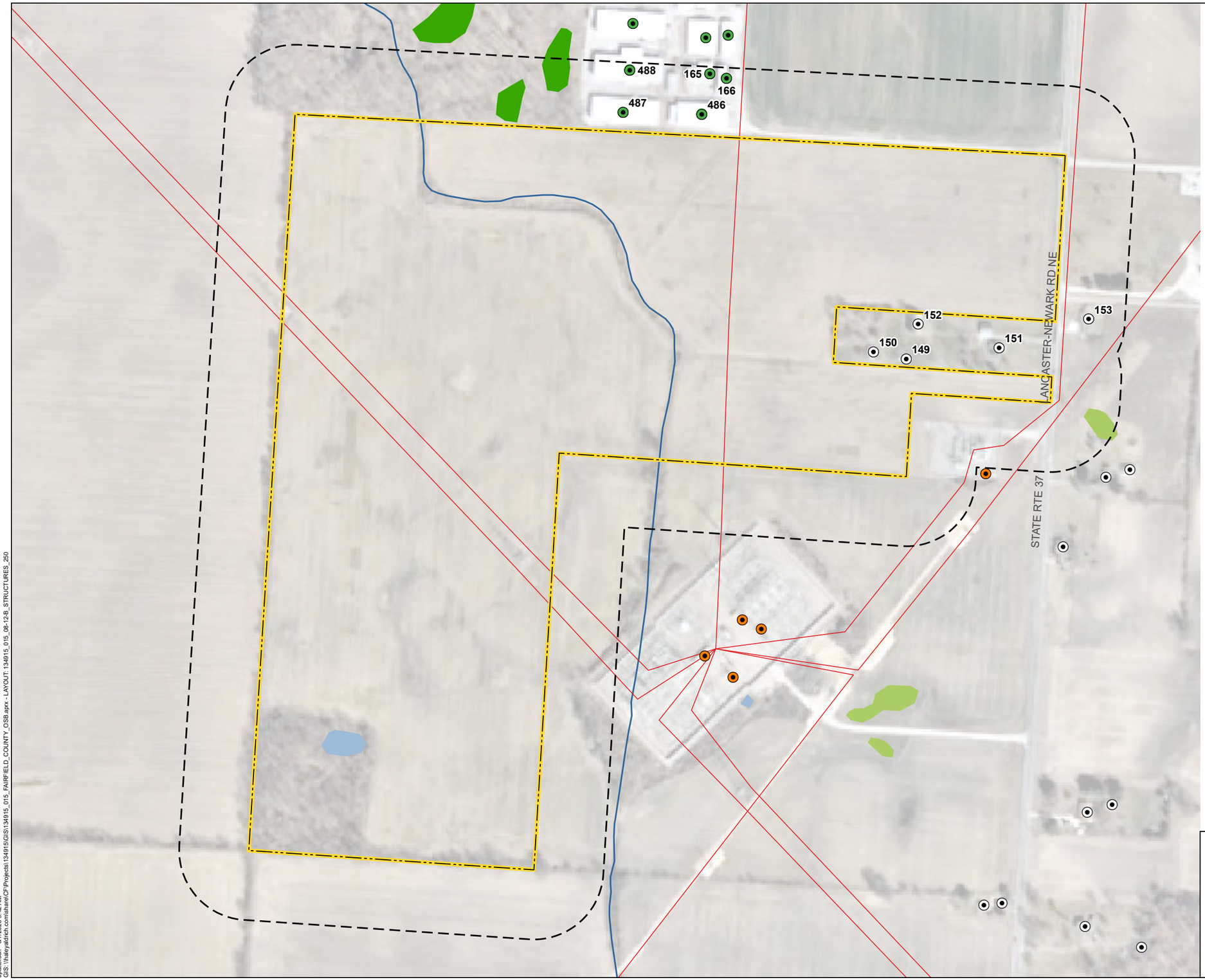
FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

STRUCTURES WITHIN 250 FEET OF PROJECT COMPONENTS

MAY 2026

FIGURE 08-12 A

Jmatterson - 5/11/2026 4:49 PM
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LEGEND

STRUCTURE TYPE

- AGRICULTURE
- INDUSTRIAL
- RESIDENTIAL
- ELECTRIC TRANSMISSION LINE

NWI WETLAND BY TYPE

- FRESHWATER EMERGENT
- FRESHWATER FORESTED/SHRUB
- FRESHWATER POND
- PROJECT AREA
- 250 FOOT BUFFER

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ELECTRICAL TRANSMISSION LINE SOURCE: U.S. DEPARTMENT OF ENERGY (DOE), NATIONAL ENERGY TECHNOLOGY LABORATORY (NETL)
3. NATURAL GAS LINE SOURCE: U.S. ENERGY INFORMATION ADMINISTRATION (EIA)
4. STRUCTURES SOURCE: ESRI USA STRUCTURES
5. PARCEL BOUNDARY SOURCE: OHIO GEOGRAPHICALLY REFERENCED INFORMATION PROGRAM
6. AERIAL IMAGERY SOURCE: NEARMAP, AUGUST 31, 2025

N

0 350 700

SCALE IN FEET

HALEY ALDRICH

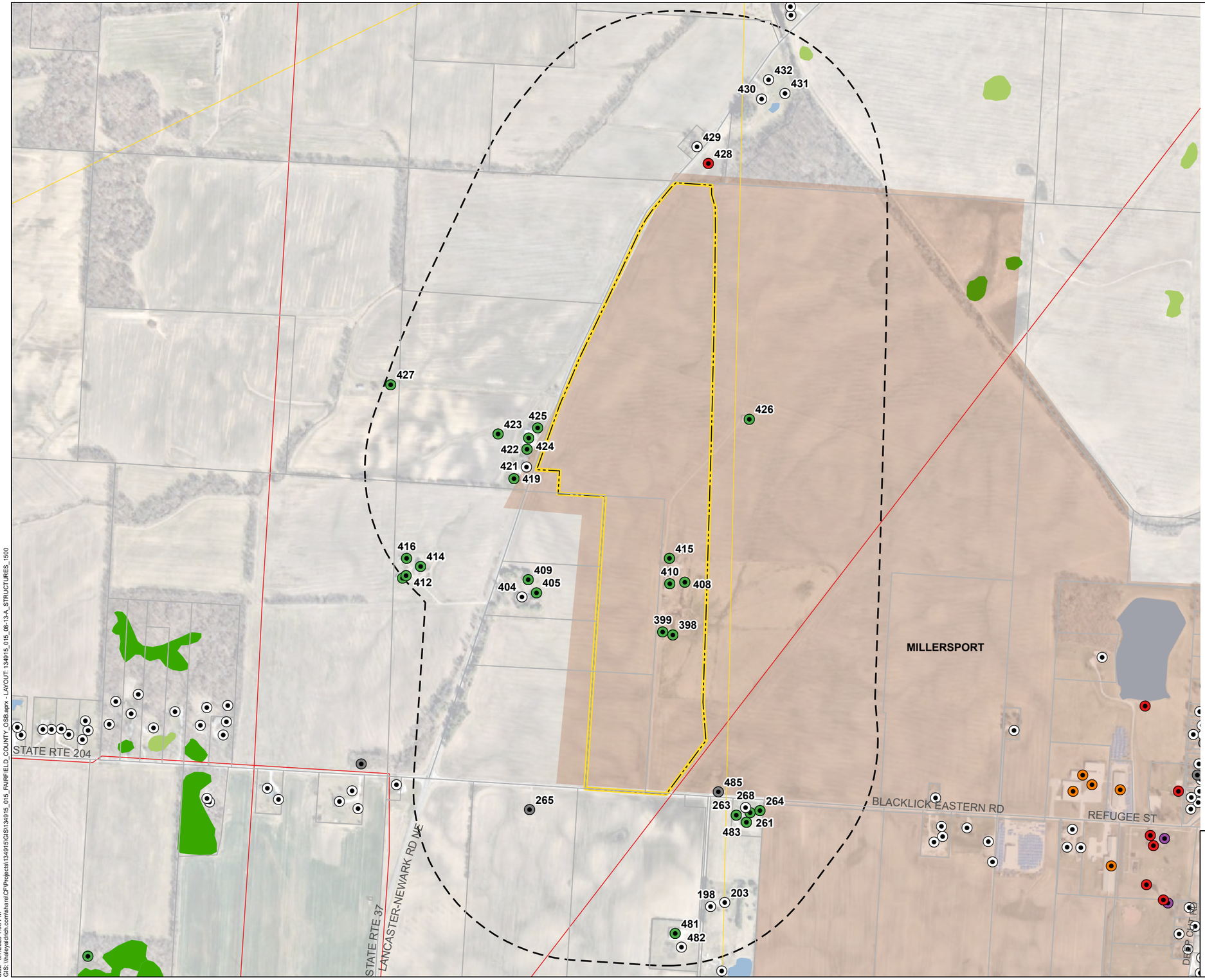
FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

STRUCTURES WITHIN 250 FEET OF PROJECT COMPONENTS

MAY 2026

FIGURE 08-12 B

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LEGEND

STRUCTURE TYPE

- AGRICULTURE
- COMMERCIAL
- GOVERNMENT
- INDUSTRIAL
- RESIDENTIAL
- UNCLASSIFIED
- NATURAL GAS PIPELINE
- ELECTRIC TRANSMISSION LINE
- PROJECT AREA
- PARCEL BOUNDARY

NWI WETLAND BY TYPE

- FRESHWATER EMERGENT
- FRESHWATER FORESTED/SHRUB
- FRESHWATER POND
- MILLERSPORT BOUNDARY
- 1500 FOOT BUFFER

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ELECTRICAL TRANSMISSION LINE SOURCE: U.S. DEPARTMENT OF ENERGY (DOE), NATIONAL ENERGY TECHNOLOGY LABORATORY (NETL)
3. NATURAL GAS LINE SOURCE: U.S. ENERGY INFORMATION ADMINISTRATION (EIA)
4. STRUCTURES SOURCE: ESRI USA STRUCTURES
5. PARCEL BOUNDARY SOURCE: OHIO GEOGRAPHICALLY REFERENCED INFORMATION PROGRAM
6. AERIAL IMAGERY SOURCE: NEARMAP, AUGUST 31, 2025

N

0 850 1,700

SCALE IN FEET

HALEY ALDRICH

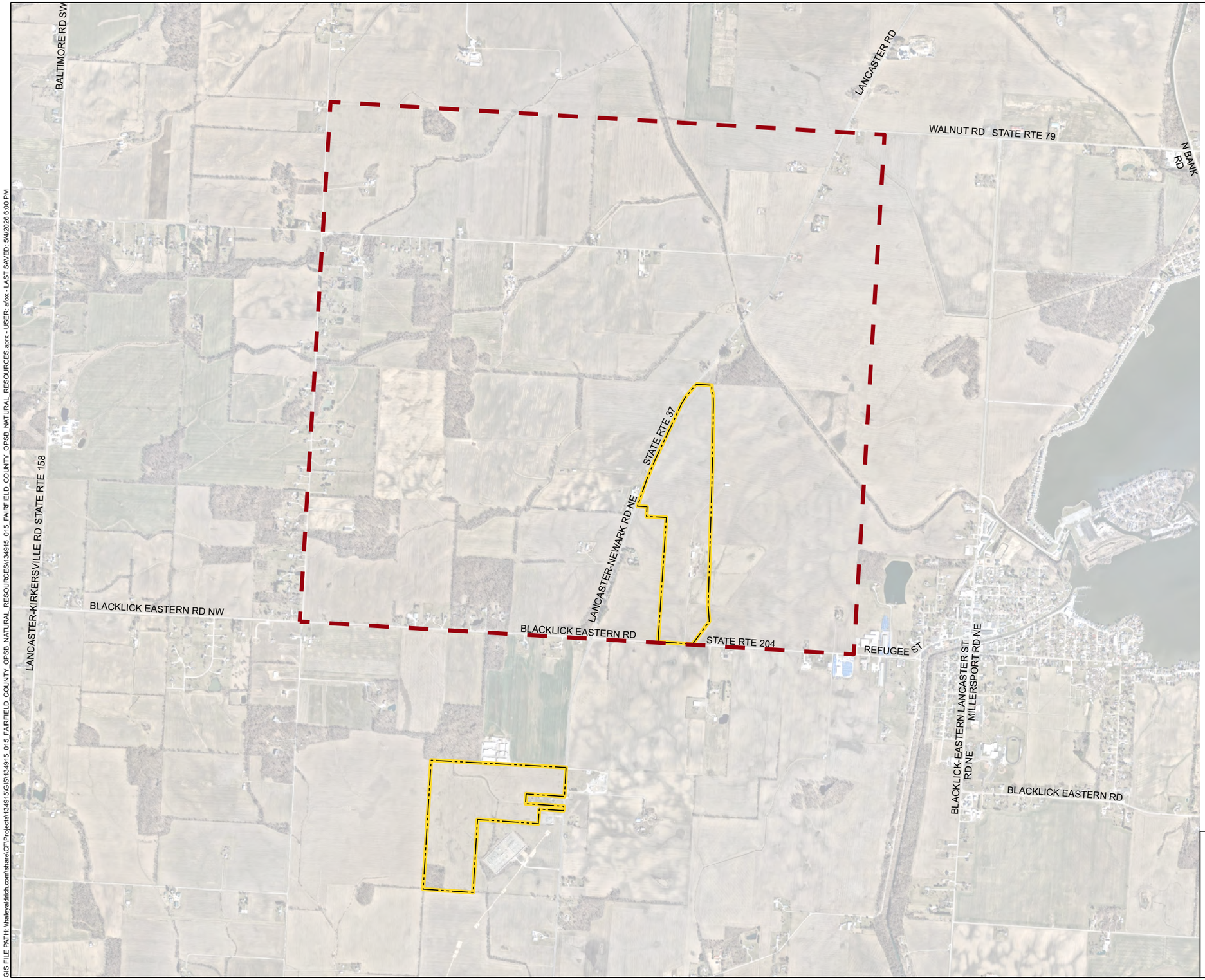
FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

STRUCTURES WITHIN 1,500 FEET OF GENERATING EQUIPMENT

MAY 2026

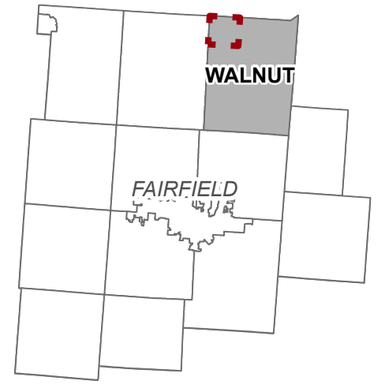
FIGURE 08-13

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LEGEND

- PROJECT AREA
- PRIORITY GROWTH AREA



NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.

2. PRIORITY GROWTH AREA SOURCE: FAIRFIELD COUNTY 2024 COMPREHENSIVE PLAN, PUBLISHED FEBRUARY 2, 2024. PRIORITY GROWTH AREAS ARE DEFINED AS LARGE AREAS IN WHICH NEW DEVELOPMENT PRESSURE IS SUPPORTED, PUBLIC AND PRIVATE UTILITY SERVICES ARE OR CAN BE AVAILABLE, AND THE SUPPORTING ROAD NETWORK IS IN PLACE.

3. AERIAL IMAGERY SOURCE: NEARMAP, AUGUST 31, 2025

N

0 2,000 4,000

SCALE IN FEET

HALEY ALDRICH

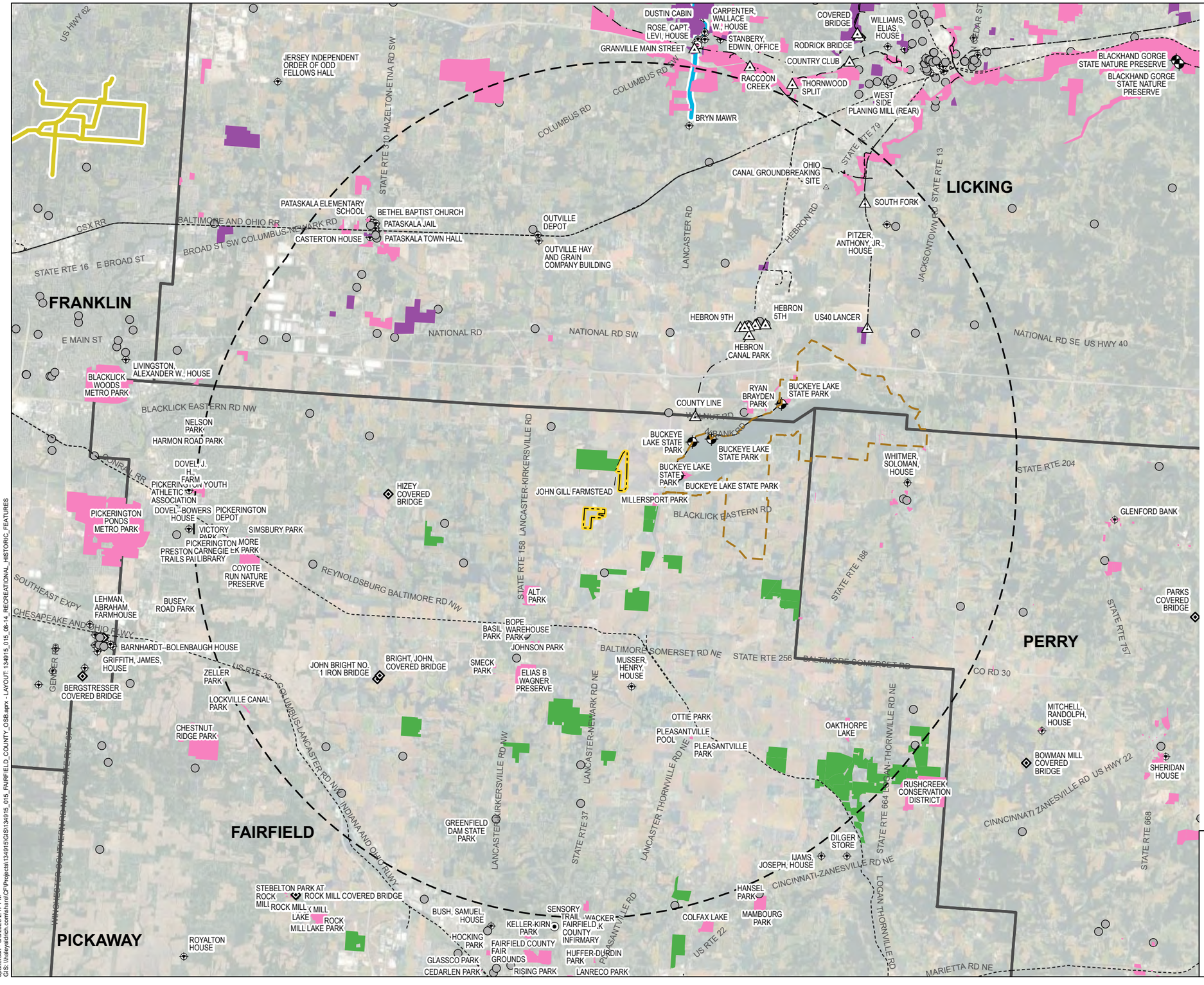
FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

FAIRFIELD COUNTY PRIORITY GROWTH AREA

MAY 2026

FIGURE 08-14

GIS FILE PATH: \\haleyaldrich.com\share\CFI\Projects\134915\GIS\134915_015_FAIRFIELD_COUNTY_OPSB_NATURAL_RESOURCES\134915_015_FAIRFIELD_COUNTY_OPSB_NATURAL_RESOURCES.aprx - USER: afox - LAST SAVED: 5/4/2026 6:00 PM



LEGEND

- LICKING COUNTY, TRAIL HEAD
- PLACE OF WORSHIP

NATIONAL REGISTER OF HISTORIC PLACES

- BUILDING
- STRUCTURE
- DISTRICT
- SITE
- OBJECT
- OHIO DNR TRAILHEAD/PARK
- GRANVILLE SCENIC BYWAY
- JEFFERSON TOWNSHIP SCENIC BYWAY
- BUCKEYE LAKE TRAIL
- HIKING TRAIL
- RAILROADS
- PARK, GOV. LAND, CONSERVATION/NATURAL AREA
- FAIRFIELD COUNTY, PROTECTED FARMLAND
- INSTIUTIONAL/GOVERNMENT
- COUNTY BOUNDARY
- 10 MILE BUFFER

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. NATIONAL REGISTER OF HISTORIC PLACES SOURCE: CULTURAL RESOURCES GIS, NATIONAL PARK SERVICE
3. PLACES OF WORSHIP SOURCE: OPENSTREETMAP, 2022
4. SCENIC BYWAYS SOURCE: OHIO DEPARTMENT OF TRANSPORTATION
5. LICKING COUNTY FUTURE LAND USE SOURCE: LICKING COUNTY OHIO LOCAL GOVERNMENT COMPREHENSIVE PLANS
6. FAIRFIELD COUNTY LANDUSE SOURCE: FAIRFIELD COUNTY, OHIO GIS
7. HIKING TRAIL SOURCE: OHIO DEPARTMENT OF NATURAL RESOURCES
8. COUNTY BOUNDARY SOURCE: OHIO DEPARTMENT OF ADMINISTRATIVE SERVICES
9. AERIAL IMAGERY SOURCE: GOOGLE EARTH

N

0 2.5 5
Miles

HALEY ALDRICH

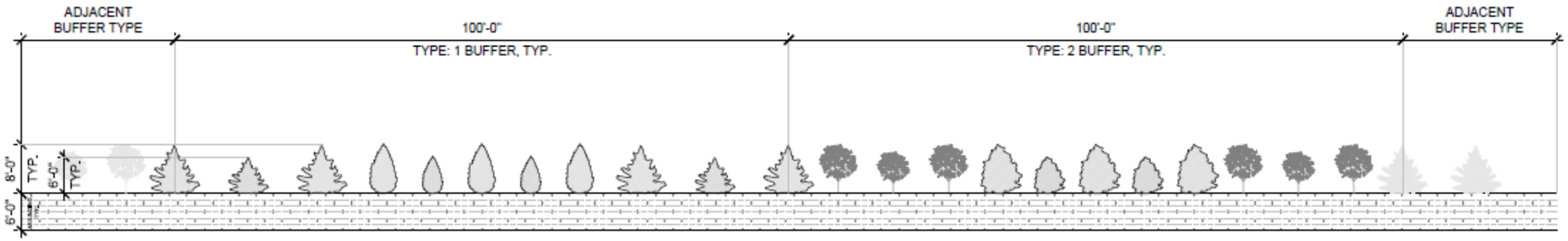
FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

RECREATIONAL AND HISTORIC FEATURES WITHIN 10 MILES

MAY 2026

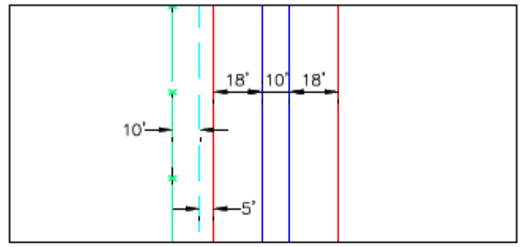
FIGURE 08-15

jmattenson - 5/6/2026 2:17 PM
GIS: \\haleyaldrich.com\share\CF\Projects\134915\GIS\134915_015_FAIRFIELD_COUNTY_OSB.aprx - LAYOUT: 134915_015_08-14_RECREATIONAL_HISTORIC_FEATURES

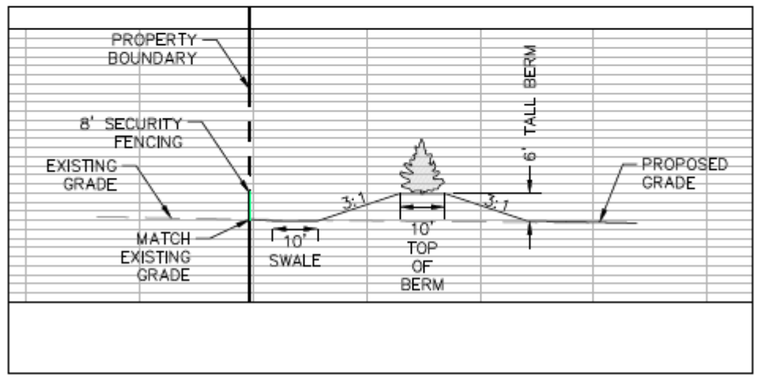


**NOTE: SPECIFIC SPECIES WILL VARY ALONG DIFFERENT SEGMENTS OF THE VEGETATED BERM, USING SPECIES REPRESENTED IN THIS TYPICAL LANDSCAPING MODULE.
TREE GROWTH OVER TIME WILL CONTINUE TO SPREAD SPECIES COVERAGE AND INCREASE OPACITY.

1 EVERGREEN PLANTING BUFFER @ INSTALLATION - 75% OPACITY
0 10' 20' 40'
ELEVATION



BERM TYPICAL PLAN DETAIL
1"=50'



BERM TYPICAL SECTION A-A
H: 1"=30", V: 1"=1'

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	CONDITION
EVERGREEN TREES						
PI AB	XX	PICEA ABIES	NORWAY SPRUCE	6-8' HT.	8' O.C.	B&B
TH GG	XX	THUJA PLICATA X STANDISHII 'GREEN GIANT'	'GREEN GIANT' ARBORVITAE	6-8' HT.	8' O.C.	B&B
PI ST	XX	PINUS STROBUS	EASTERN WHITE PINE	6-8' HT.	12' O.C.	B&B
DECIDUOUS TREES						
AC OG	XX	ACER RUBRUM 'OCTOBER GLORY'	'OCTOBER GLORY' RED MAPLE	2.5" CAL.	18' O.C.	B&B
QU RU	XX	QUERCUS RUBRA	NORTHERN RED OAK	2.5" CAL.	18' O.C.	B&B
UL JE	XX	ULMUS AMERICANA 'JEFFERSON'	AMERICAN ELM	2.5" CAL.	18' O.C.	B&B
ORNAMENTAL TREES						
CE CA	XX	CERCIS CANADENSIS 'APPALACHIAN RED'	EASTERN REDBUD	2" CAL.	N/A	B&B
AM RH	XX	AMELANCHIER X GRANDIFLORA 'ROBIN HILL'	SERVICEBERRY	2" CAL.	N/A	B&B

**NOTE: REPRESENTATIVE SPECIES AND SIZES AT INSTALLATION PENDING AVAILABILITY AND MAY BE ADJUSTED IN ACCORDANCE WITH OTHER PROJECT COMMITMENTS WITH GOAL OF AT LEAST 75% OPACITY.

2 SAMPLE PLANTING SCHEDULE

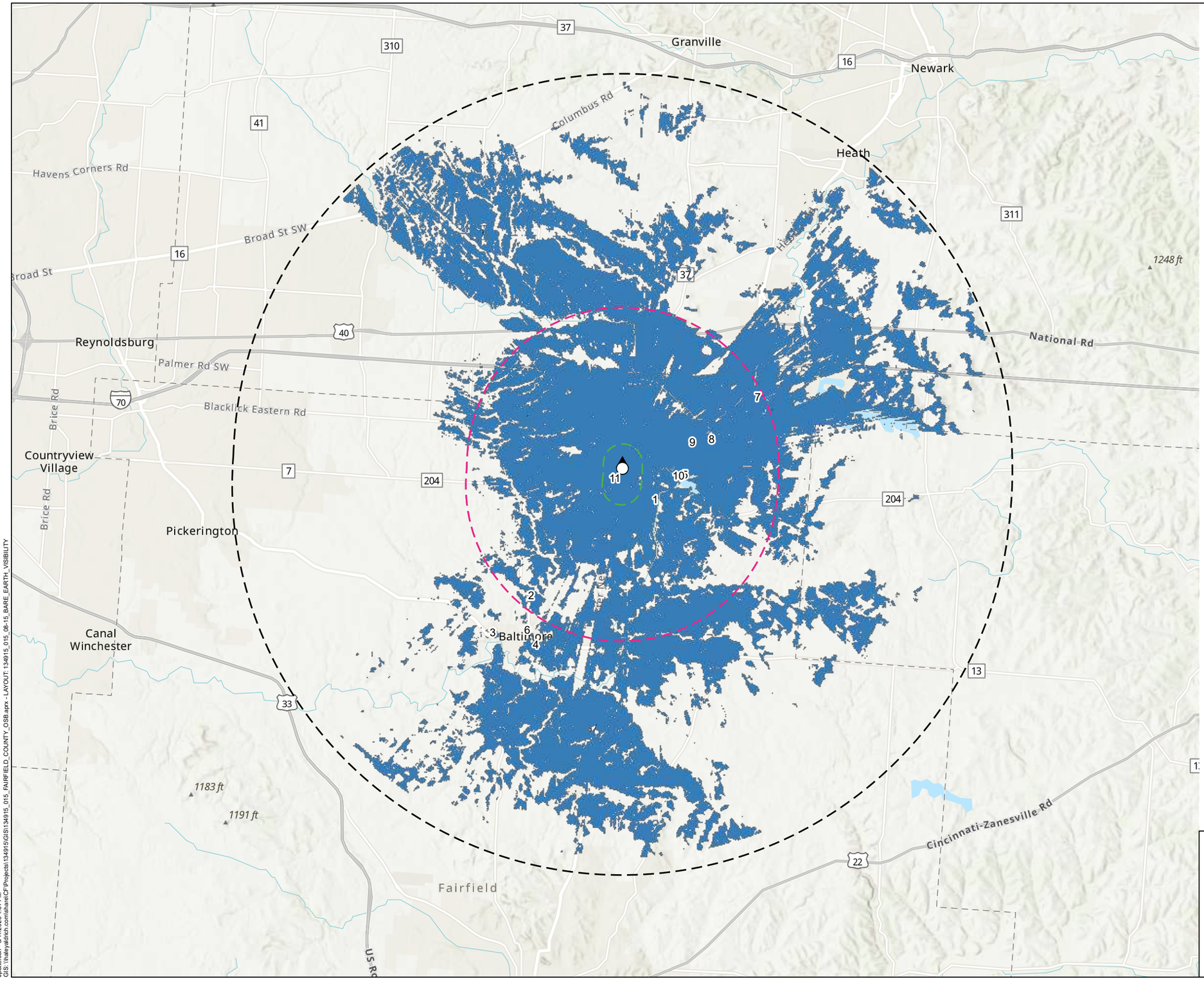
Source: Kimley-Horn and Associates, Inc.

HALEY ALDRICH

FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

LANDSCAPE BERM DETAILS

FIGURE 08-16



LEGEND

- APPROXIMATE 90 FT STACK
- STACKS POTENTIALLY VISIBLE
- FOREGROUND: 0.5 MILE BUFFER
- MIDDLEGROUND: 4 MILE BUFFER
- BACKGROUND: 10 MILE BUFFER

NAME	LABEL
MILLERSPORT PARK	1
ALT PARK	2
BASIL PARK	3
JOHNSON PARK	4
BUCKEYE LAKE STATE PARK	5
BOPE WAREHOUSE PARK	6
RYAN-BRADEN PARK	7
BUCKEYE LAKE MULTIPURPOSE TRAIL	8
BUCKEYE LAKE STATE PARK	9
BUCKEYE LAKE STATE PARK	10
JOHN GILL FARMSTEAD	11

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. VIEWSHED ANALYSIS BASED ON 1/3 ARC SECOND USGS DIGITAL ELEVATION MODEL (DEM). AN OBSERVER HEIGHT OF 6 FEET WAS USED. STRUCTURES WERE ASSUMED TO BE 90 FEET ABOVE A GROUND ELEVATION OF 913 FEET.
3. NATIONAL REGISTER OF HISTORIC PLACES SOURCE: CULTURAL RESOURCES GIS, NATIONAL PARK SERVICE
4. PLACES OF WORSHIP SOURCE: OPENSTREETMAP, 2022
5. SCENIC BYWAYS SOURCE: OHIO DEPARTMENT OF TRANSPORTATION
6. LICKING COUNTY FUTURE LAND USE SOURCE: LICKING COUNTY OHIO LOCAL GOVERNMENT COMPREHENSIVE PLANS
7. FAIRFIELD COUNTY LANDUSE SOURCE: FAIRFIELD COUNTY, OHIO GIS
8. HIKING TRAIL SOURCE: OHIO DEPARTMENT OF NATURAL RESOURCES
9. COUNTY BOUNDARY SOURCE: OHIO DEPARTMENT OF ADMINISTRATIVE SERVICES
10. BASEMAP SOURCE: ESRI TOPOGRAPHIC MAP

N

0 2.5 5
Miles

HALEY ALDRICH

FAIRFIELD ENERGY CENTER FAIRFIELD COUNTY, OHIO

POTENTIAL VISIBILITY SCREENING: TERRAIN ONLY

MAY 2026

FIGURE 08-17

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LEGEND

- APPROXIMATE 90 FT STACK
- STACKS POTENTIALLY VISIBLE
- FOREGROUND: 0.5 MILE BUFFER
- MIDDLEGROUND: 4 MILE BUFFER
- BACKGROUND: 10 MILE BUFFER

NAME	LABEL
MILLERSPORT PARK	1
ALT PARK	2
BASIL PARK	3
JOHNSON PARK	4
BUCKEYE LAKE STATE PARK	5
BOPE WAREHOUSE PARK	6
RYAN-BRADEN PARK	7
BUCKEYE LAKE MULTIPURPOSE TRAIL	8
BUCKEYE LAKE STATE PARK	9
BUCKEYE LAKE STATE PARK	10
JOHN GILL FARMSTEAD	11

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. VIEWSHED ANALYSIS BASED ON 1/3 ARC SECOND USGS DIGITAL ELEVATION MODEL (DEM). AN OBSERVER HEIGHT OF 6 FEET WAS USED. STRUCTURES WERE ASSUMED TO BE 90 FEET ABOVE A GROUND ELEVATION OF 913 FEET.
3. NATIONAL REGISTER OF HISTORIC PLACES SOURCE: CULTURAL RESOURCES GIS, NATIONAL PARK SERVICE
4. PLACES OF WORSHIP SOURCE: OPENSTREETMAP, 2022
5. SCENIC BYWAYS SOURCE: OHIO DEPARTMENT OF TRANSPORTATION
6. LICKING COUNTY FUTURE LAND USE SOURCE: LICKING COUNTY OHIO LOCAL GOVERNMENT COMPREHENSIVE PLANS
7. FAIRFIELD COUNTY LANDUSE SOURCE: FAIRFIELD COUNTY, OHIO GIS
8. HIKING TRAIL SOURCE: OHIO DEPARTMENT OF NATURAL RESOURCES
9. COUNTY BOUNDARY SOURCE: OHIO DEPARTMENT OF ADMINISTRATIVE SERVICES
10. BASEMAP SOURCE: ESRI TOPOGRAPHIC MAP

N

0 2.5 5
Miles

FAIRFIELD ENERGY CENTER FAIRFIELD COUNTY, OHIO

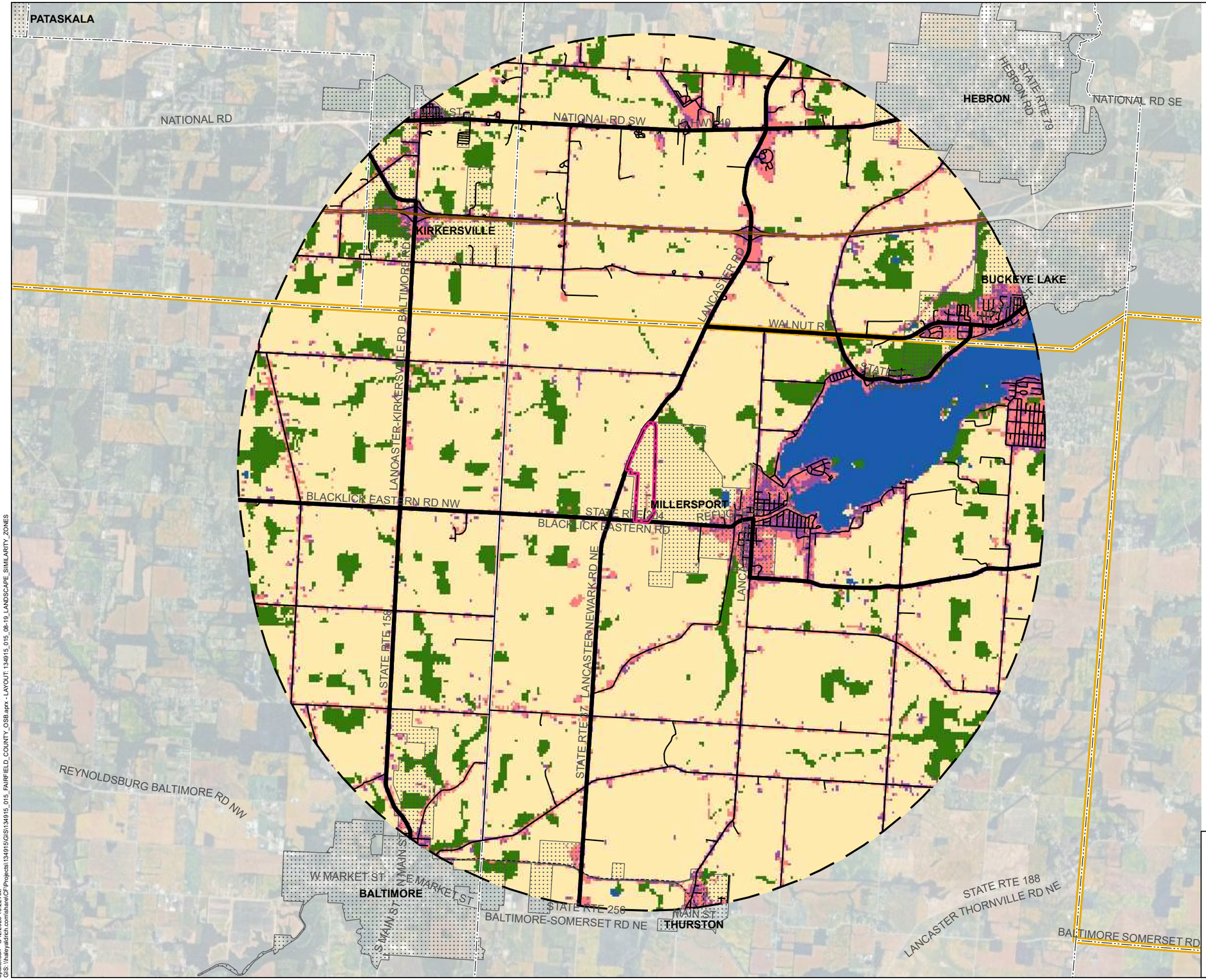
HALEY ALDRICH

POTENTIAL VISIBILITY SCREENING: TERRAIN AND VEGETATION

MAY 2026

FIGURE 08-18

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GIS: \\haleyaldrich.com\share\CF\Projects\134915\GIS\134915_015_FAIRFIELD_COUNTY_OSB.aprx - LAYOUT: 134915_015_08-16_VEGETATION_VISIBILITY



LEGEND

- TRANSPORTATION CORRIDOR

LANDCOVER CLASSIFICATION

- OPEN WATER
- VILLAGE/CITY
- DEVELOPED LOW INTENSITY
- AGRICULTURAL
- FOREST
- TOWNSHIP BOUNDARY
- COUNTY BOUNDARY
- MUNICIPAL BOUNDARY
- 4 MILE BUFFER

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. TOWNSHIP, MUNICIPAL, AND COUNTY BOUNDARY SOURCE: STATE OF OHIO, OHIO GEOGRAPHICALLY REFERENCED INFORMATION (OGRIP)
3. COUNTY BOUNDARY SOURCE: OHIO DEPARTMENT OF ADMINISTRATIVE SERVICES
4. LANDCOVER SOURCE: NATIONAL LANDCOVER DATASET (NLCD), 2024.
5. BASEMAP SOURCE: GOOGLE EARTH

N

0 1 2
Miles

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FAIRFIELD COUNTY, OHIO

LANDSCAPE SIMILARITY ZONES

MAY 2026

FIGURE 08-19

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LEGEND

- Project Area
- 1 View Location

Source: PLANIT

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FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

VISUAL SIMULATION CONTEXT MAP

FIGURE 08-20



Source: PLANIT

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FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

VISUAL SIMULATION 1

FIGURE 08-21



Source: PLANIT

HALEY ALDRICH

FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

VISUAL SIMULATION 2

FIGURE 08-22



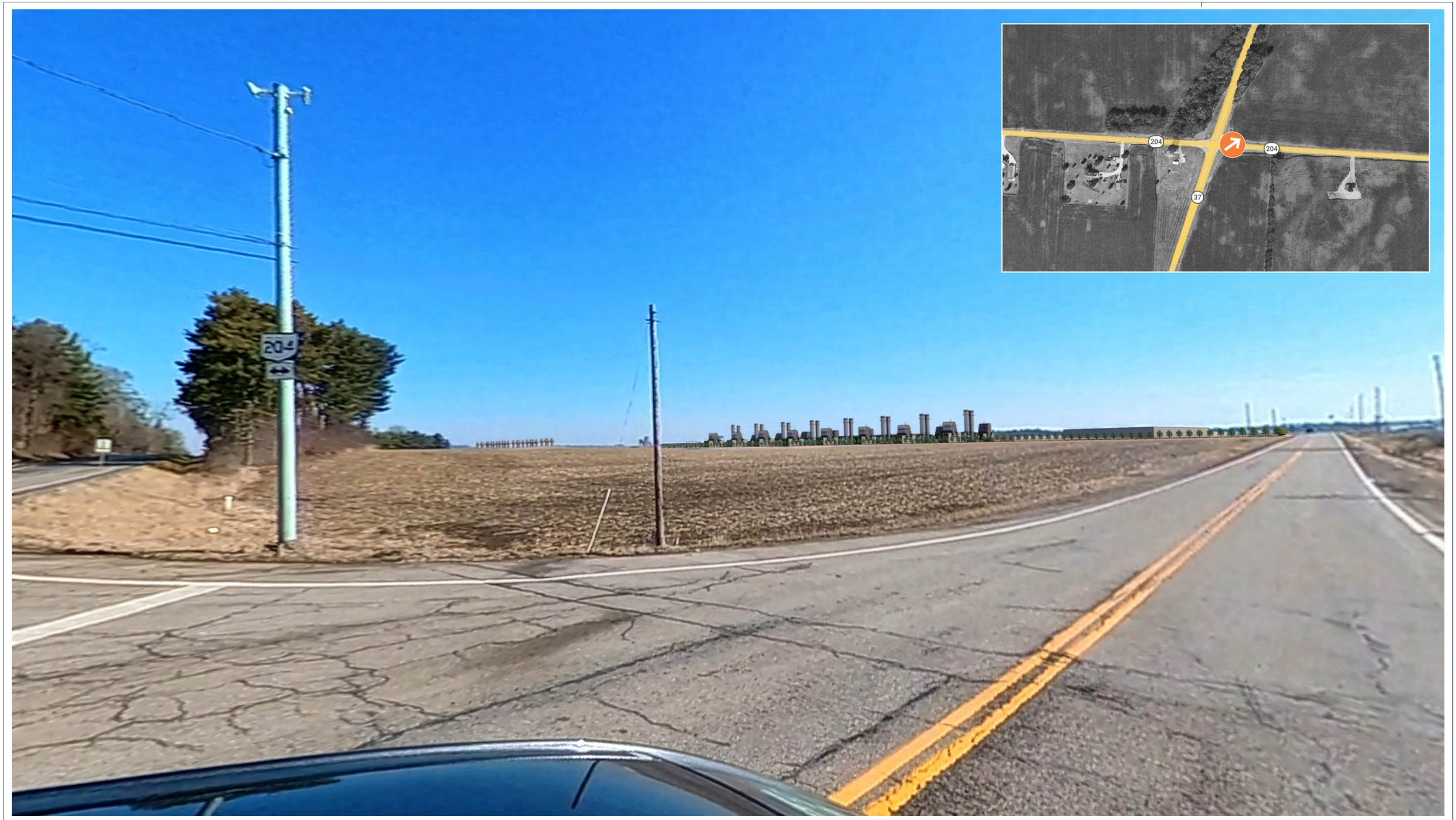
Source: PLANIT

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FAIRFIELD COUNTY, OHIO

VISUAL SIMULATION 3

FIGURE 08-23

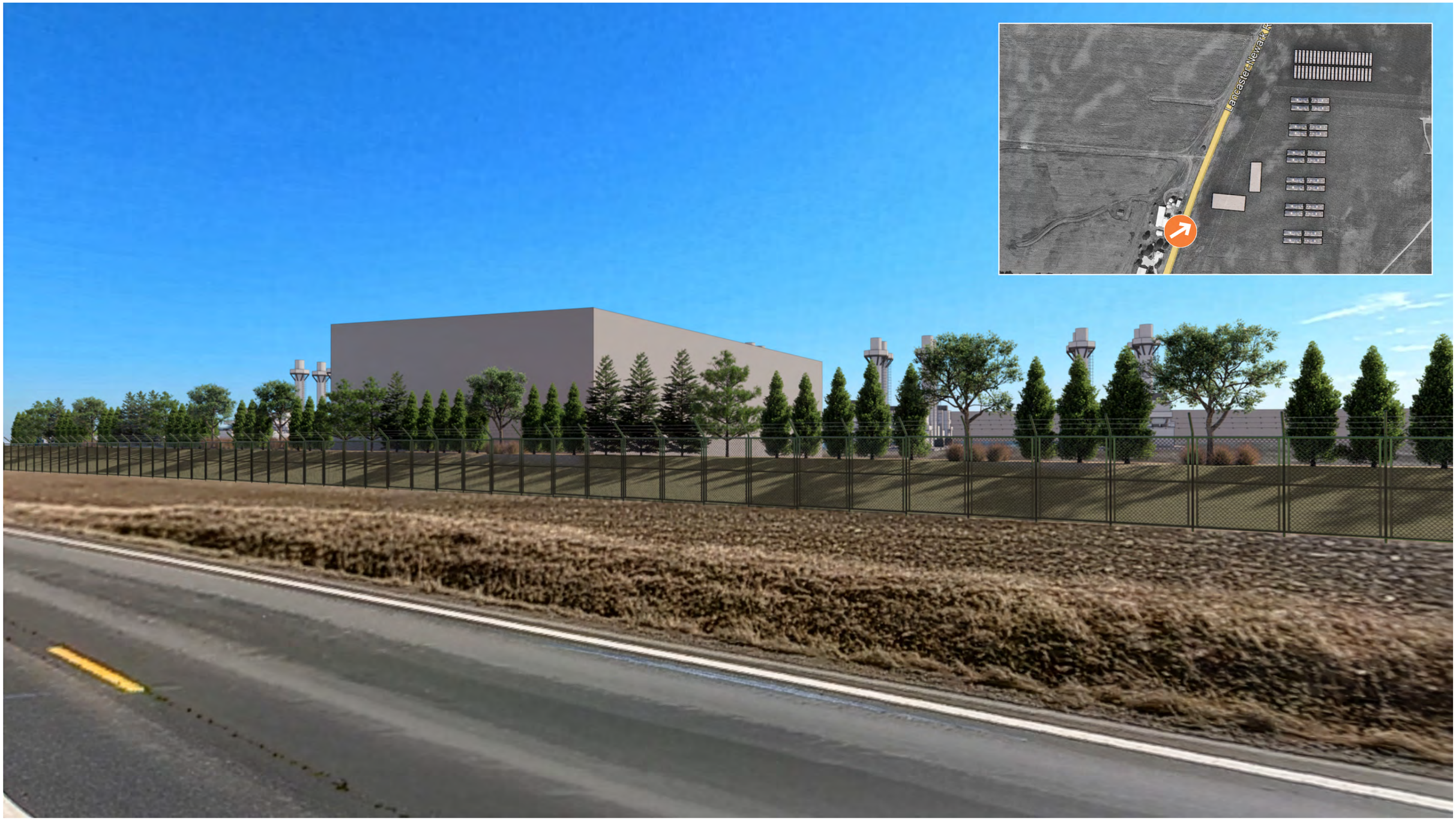


Source: PLANIT

FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

VISUAL SIMULATION 4

FIGURE 08-24



Source: PLANIT

HALEY ALDRICH

FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

VISUAL SIMULATION 5

FIGURE 08-25



Source: PLANIT

FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

VISUAL SIMULATION 6

FIGURE 08-26

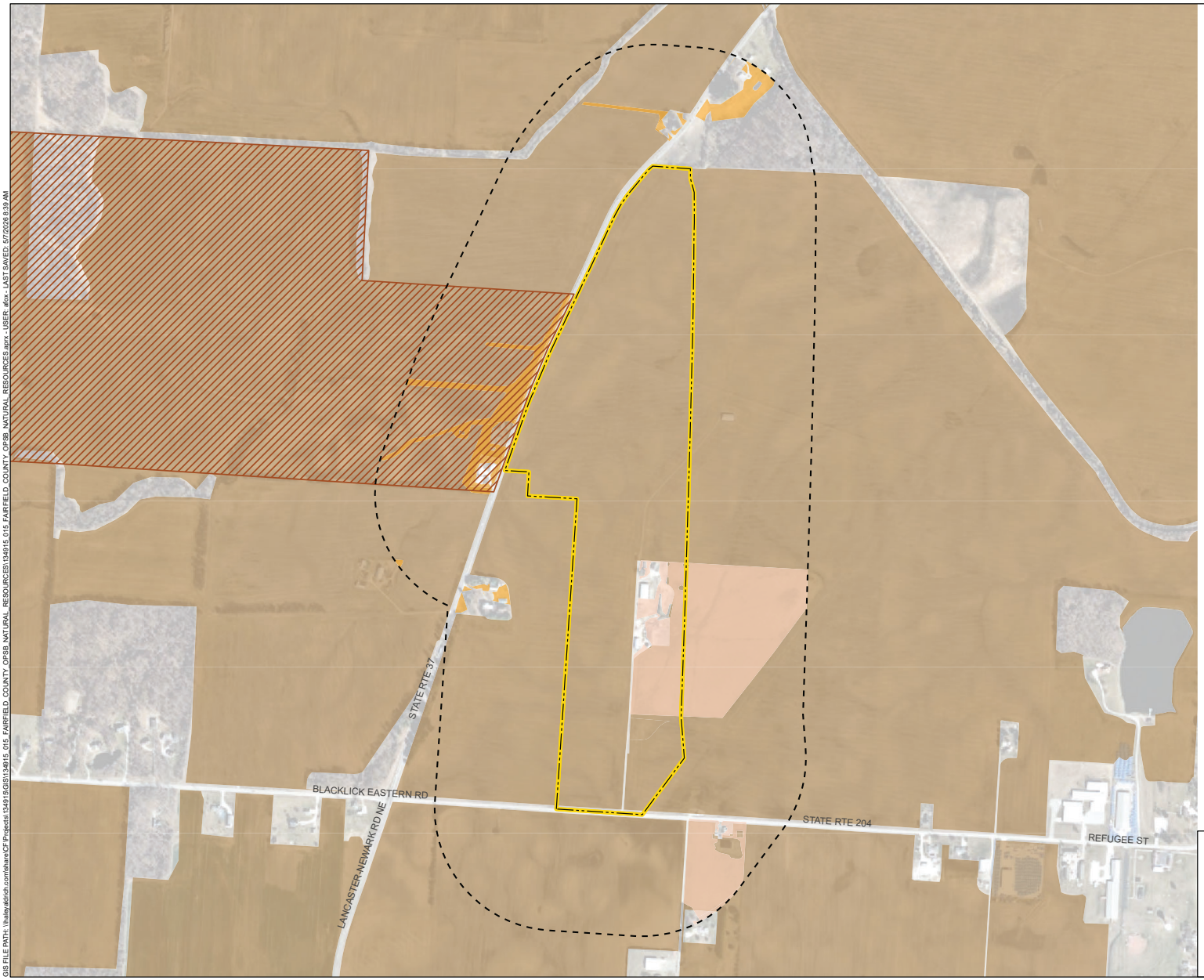


Source: PLANIT

FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

VISUAL SIMULATION 7

FIGURE 08-27



LEGEND

- PROJECT AREA
- 1,000 FOOT BUFFER
- PROTECTED FARMLAND

AGRICULTURAL LAND COVER

- MEADOW
- PASTURE
- TILLABLE LAND

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. PROTECTED FARMLAND, AGRICULTURAL SECURITY AREA, AND TILLABLE LAND DATA SOURCE: FAIRFIELD COUNTY OHIO AUDITORS OFFICE
3. MEADOW AND PASTURE LAND COVER WERE DELINEATED USING AERIAL IMAGERY.
4. AERIAL IMAGERY SOURCE: NEARMAP, AUGUST 31, 2025

N

0 800 1,600
SCALE IN FEET

HALEY ALDRICH

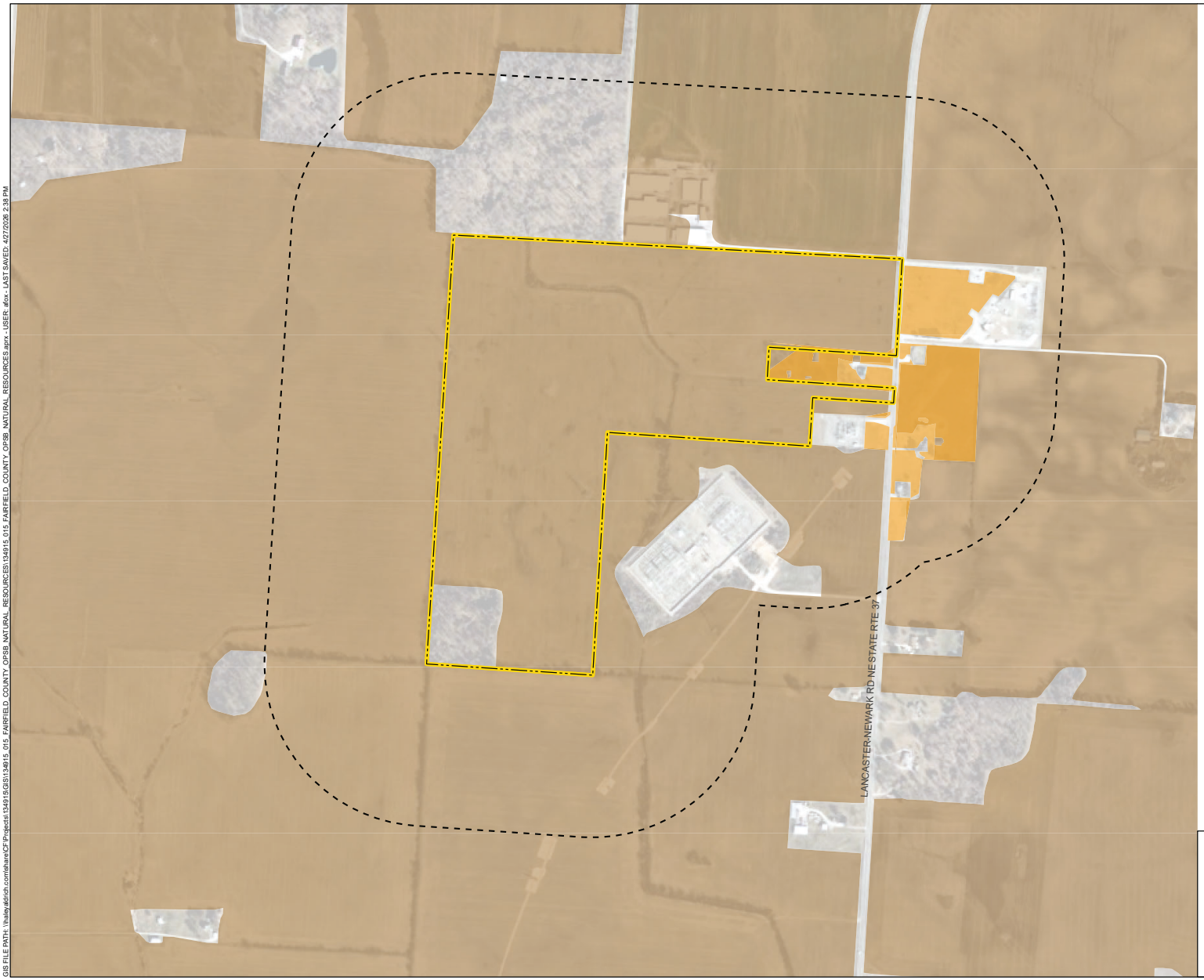
FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

AGRICULTURAL LAND

MAY 2026

FIGURE 08-28-A

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LEGEND

- PROJECT AREA
- 1,000 FOOT BUFFER

AGRICULTURAL LAND COVER

- MEADOW
- TILLABLE LAND

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. PROTECTED FARMLAND, AGRICULTURAL SECURITY AREA, AND TILLABLE LAND DATA SOURCE: FAIRFIELD COUNTY OHIO AUDITORS OFFICE
3. MEADOW AND PASTURE LAND COVER WERE DELINEATED USING AERIAL IMAGERY.
4. AERIAL IMAGERY SOURCE: NEARMAP, AUGUST 31, 2025

N

0 600 1,200
SCALE IN FEET

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FAIRFIELD ENERGY CENTER
FAIRFIELD COUNTY, OHIO

AGRICULTURAL LAND

MAY 2026

FIGURE 08-28-B

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Notes

1. Mapping of installed tile on portions of the site provided by landowner. Mapping is not available for other portions of the site, as the prior installation occurred prior to the GPS mapping capabilities.

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FAIRFIELD COUNTY, OHIO

PROJECT SITE DRAIN TILES

FIGURE 08-29



OUTLETS			
4" PVC	6" PVC	8" PVC	10" PVC
	25'		
		25'	
25'			
25'			
			25'
40'	25'	25'	25'

BREATHER	1	EACH
4" TO 4" WYES	55	EACH
4" TO 6" WYES	38	EACH
4" TO 8" WYES	12	EACH
6" TO 8" WYES	1	EACH
4" TO 6" CONNECTOR	3	EACH
6" TO 8" CONNECTOR	2	EACH
4" ANIMAL GUARD	2	EACH
6" ANIMAL GUARD	1	EACH
8" ANIMAL GUARD	1	EACH
10" ANIMAL GUARD	1	EACH
STANDARD ODOT DROP BOX	1	EACH

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FAIRFIELD COUNTY, OHIO

TEMPORARY WORKSPACE DRAIN TILES

FIGURE 08-30

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in

Case No(s). 26-0160-EL-BGN

Summary: Application Figures electronically filed by Mr. Michael J. Settineri on behalf of Fairfield Energy Center, LLC.