



**US Army Corps
of Engineers®**

PUBLIC NOTICE

Applicant:
Global Laser Enrichment, LLC

Published: November 4, 2025
Expires: November 19, 2025

**Louisville District
Permit Application No. LRL-2025-00040**

TO WHOM IT MAY CONCERN: The purpose of this notice is to advise the public that the following request associated with the Global Laser Enrichment Paducah Laser Enrichment Facility (PLEF) has been submitted for a Department of the Army (DA) permit under the provisions of Section 404 of the Clean Water Act, as amended. In Executive Order (EO) 14156 the President declared a national emergency under the National Emergencies Act (50 U.S.C. 1621) based upon the finding that the United States' insufficient energy production, transportation, refining, and generation constitutes an unusual and extraordinary threat to our Nation's economy, national security, and foreign policy. The U.S. Army Corps of Engineers (Corps), Louisville District has found that this permit request meets the terms of EO 14156 and is therefore subject to special emergency permitting procedures to address an energy supply situation which would result in an unacceptable hazard to life, a significant loss of property, or an immediate, unforeseen, and significant economic hardship if corrective action requiring a permit is not undertaken within a time period less than the normal time needed to process the application under standard procedures. The Louisville District will implement the special processing procedures approved by Great Lakes and Ohio River Division in accordance with 33 CFR § 325.2(e)(4).

APPLICANT: Tim Knowles
Global Laser Enrichment, LLC
4110 US Highway 421 N, Suite 100
Wilmington, NC 28401

LOCATION OF WORK: The proposed project would be located on a 322-acre property southeast of the intersection of Hobbs Road and Dyke Road, Paducah, McCracken County, Kentucky (Latitude: 37.092703° N and Longitude: 88.816486° W).

DESCRIPTION OF WORK: The applicant is requesting authorization to discharge fill material into 30 linear feet of perennial stream, 4,785 linear feet of intermittent stream, 4.75 acres of forested wetlands (PFO), 0.42 acres of scrub shrub wetlands (PSS) and 1.0 acre of emergent wetlands (PEM) in order to clear and grade the site for the construction of a uranium-enrichment facility (PLEF) on land adjacent to the existing U.S. Department of Energy Paducah Gaseous Diffusion Plant.

The U.S. Nuclear Regulatory Commission (NRC), as the lead federal agency for the project, is preparing an environmental impact statement (EIS) for the special nuclear materials (SNM) license required to construct and operate the facility.

Based on the measured acreage of the features, approximately 14,800 cubic yards of clean fill is proposed to be placed within jurisdictional aquatic resources to develop the site. This includes approximately 800 cubic yards of fill material into of jurisdictional streams and approximately 14,000 cubic yards of fill material into jurisdictional wetlands. The proposed project would include the construction of a 1,061,260 square foot Operations Building to perform the uranium-enrichment process with associated infrastructure to include several administrative and support buildings, a parking lot, outdoor UF cylinder storage pads, and maintained landscape areas. In addition, two access roads would be built across the northwest portion of the project area to connect the project area to Dyke Road. An eastern arm of the PLEF project area is designated as a potential National Pollution Discharge Elimination System (NPDES) outfall area and would be limited to only the installation of piping and a wastewater outfall for discharging treated wastewater from an onsite restroom facility into Little Bayou Creek, with no process water from industrial activities being discharged here. The piping is proposed to be directionally bored from the PLEF to Little Bayou Creek with only impacts to Little Bayou Creek from the outfall structure. The outfall structure would impact 30 linear feet of Little Bayou Creek.

The existing electrical lines that traverse the PLEF Project Area would need to be relocated to allow for construction of the PLEF. New above ground electrical utility lines would connect the PLEF to two proposed electrical substations: one would be located to the northwest near Dyke Road, and the other to the southeast, adjacent to the east side of the enrichment technology center parking lot. Both electrical substations would be located within security fences. Potable and process water supply lines would be run from existing water lines to the PLEF along Magruder and Woodville Road. Process wastewater, stormwater overflow and treated sanitary water would be routed from the PLEF via underground lines to an outfall at Little Bayou Creek (as necessary). The project includes placement of new utility lines within existing utility corridors and/or clearings to the fullest extent practicable to minimize the need for additional wetlands crossings or clearing of additional wooded areas at the PLEF Site.

MITIGATION STATEMENT: The applicant stated that the proposed project has avoided and minimized impacts to waters of the U.S. to the greatest extent possible while still allowing construction of a facility that accomplishes the goals of the project. The applicant proposed to utilize best management practices (BMPs) and sediment and erosion control measures to prevent non-point source pollution, control storm water runoff, and minimize sediment damage in order to avoid and reduce overall water quality degradation.

In addition, the applicant is proposing to obtain a permit for site disturbance through the Kentucky Pollution Discharge Elimination System (KPDES) which would specify activities to reduce erosion and sedimentation effects from projects involving soil disturbance. A site-specific Stormwater Pollution Prevention Plan (SWPPP) would be developed by the project team and contractor prior to onsite activities to ensure continuous erosion control throughout the construction and post-construction period.

The applicant has proposed to compensate for jurisdictional aquatic losses through the purchase of credits from the Kentucky Department of Fish and Wildlife Resources (KDFWR) Stream and Wetland Mitigation Program (FILO).

WATER QUALITY CERTIFICATION: Compliance with Section 401 Water Quality Certification procedures is required for this project.

HISTORIC PROPERTIES: The U.S. Nuclear Regulatory Commission (NRC) is the lead federal agency for the proposed project and is also responsible for compliance with the Section 106 process. Archaeological and architectural surveys of the project tract have been completed, and NRC is in the process of initiating coordination with the Kentucky Heritage Council (SHPO), Native American Tribes, and other consulting parties as appropriate. The Corps will review all Section 106 documentation and coordination completed by NRC to ensure that the coordination includes the Corps' permit area, and that the Corps concurs with the lead federal agency's Section 106 coordination

THREATENED AND ENDANGERED SPECIES: The Corps has performed an initial review of the U.S. Fish and Wildlife Service (USFWS) Information for Planning and Consultation (IPaC) to determine if any threatened, endangered, proposed, or candidate species, as well as the proposed and final designated critical habitat may occur in the vicinity of the proposed project.

Pursuant to Section 7 ESA, any required consultation with the Service(s) will be conducted in accordance with 50 CFR part 402. The U.S. Nuclear Regulatory Commission (NRC) is the lead Federal agency for ESA consultation for the proposed action. Any required consultation will be completed by NRC.

This notice serves as request to the U.S. Fish and Wildlife Service for any additional information on whether any listed or proposed to be listed endangered or threatened species or critical habitat may be present in the area which would be affected by the proposed activity.

PUBLIC INTEREST: This application will be reviewed in accordance with 33 CFR Parts 320-333, the Regulatory Program of the Corps, and other pertinent laws, regulations, and executive orders. Our evaluation will also follow the guidelines published by the U.S. Environmental Protection Agency pursuant to Section 404(b)(1) of the Clean Water Act (40 CFR Part 230). Interested parties are invited to state any objections they may have to the proposed work. The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit that reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors that may be relevant to the proposal will be considered including the cumulative effects thereof; of those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values,

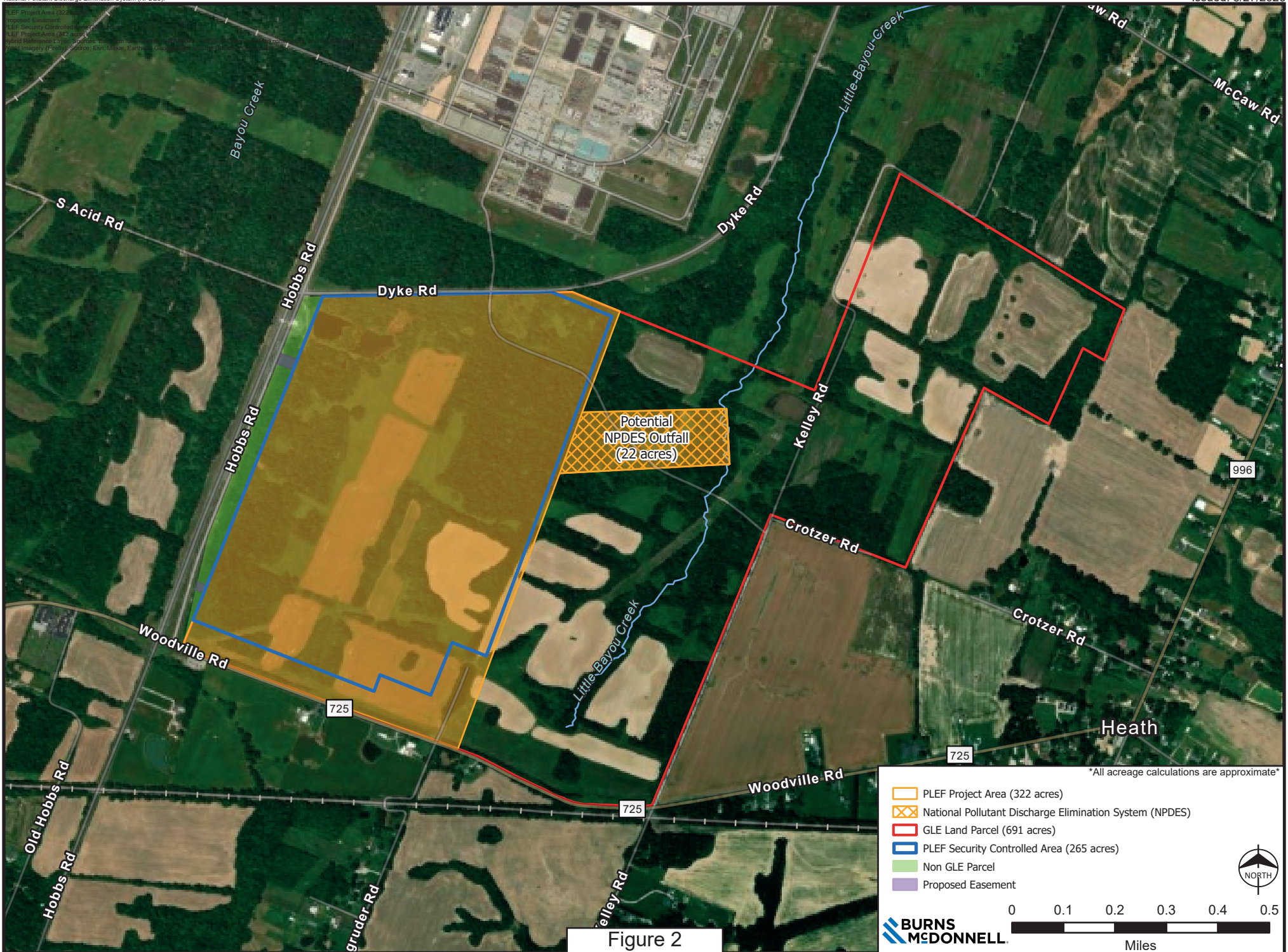
flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people. The district will make a permit decision after considering/addressing any comments submitted by the agencies.

COMMENTS: Comments and requests for additional information should be submitted electronically to Meagan Knuckles by email at meagan.l.knuckles@usace.army.mil or via the Regulatory Request System at <https://rrs.usace.army.mil/rrs>. If you do not have internet access, comments may be submitted through the U.S. Postal Service (USPS) to the following address:

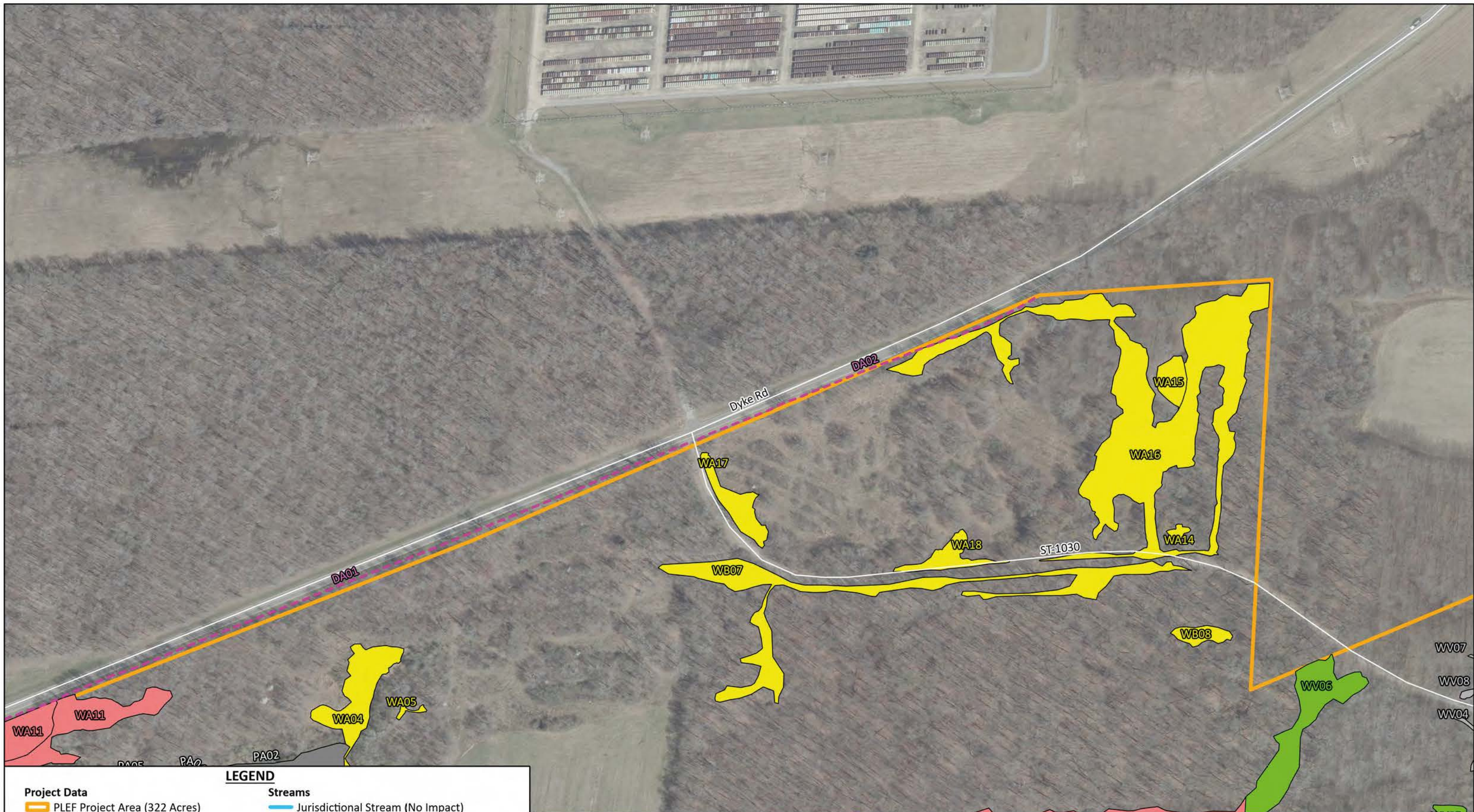
United States Army Corps of Engineers
ATTN: Meagan Knuckles, Regulatory Division
Public Notice: LRL-2025-00040-mlk
600 DR. MARTIN LUTHER KING JR PL
LOUISVILLE, KY 40202

Comments should only be provided through the USPS when electronic transmission is not possible. Precautionary internal mail handling procedures may be instituted to protect our workforce, which may result in longer than normal times to process and receive hard copy submissions. To be considered in our evaluation, comments submitted through the USPS should have a postmark dated on, or prior to, the close of the comment period, November 19, 2025.

Please note that submitted comments in response to this Public Notice become part of our administrative record and, as such, may be available to the public under provisions of the Freedom of Information Act. Thank you for your interest in our Nation's water resources.







LEGEND

Project Data

- PLEF Project Area (322 Acres)

Wetlands

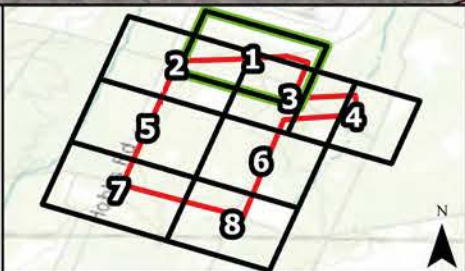
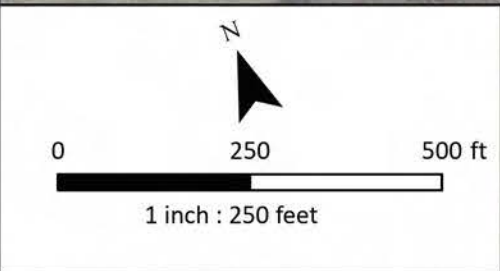
- Jurisdictional Wetland (No Impact)
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Streams

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- Presumed Offsite Stream Line
- Drainage Features

Ponds

- Non-Jurisdictional Pond Impact



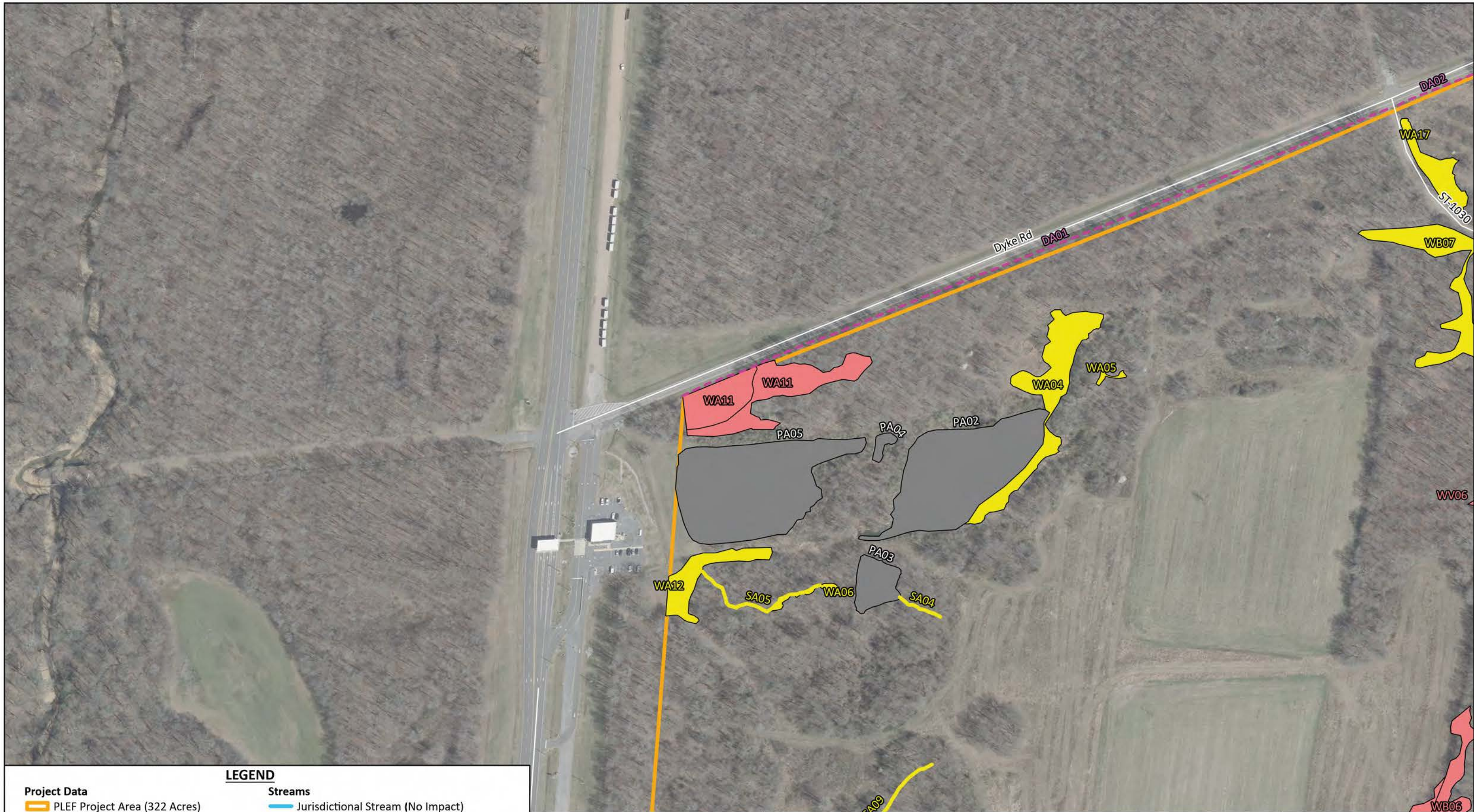
Water and Wetlands Impacts Map
Figure 8 - Page 1 of 8

GLE Paducah Laser Enrichment Facility
McCracken County, KY

Project Number:	Drafted/Checked:	Date:
24216	HK/LD	9/25/2025



Source: Water and wetland shapefiles within PLEF boundary from Burns & McDonnell; Imagery from KyFromAbove Phase 3-3in Leaf-Off Ortho Imagery. Acquired during the 2022-2024 flying seasons



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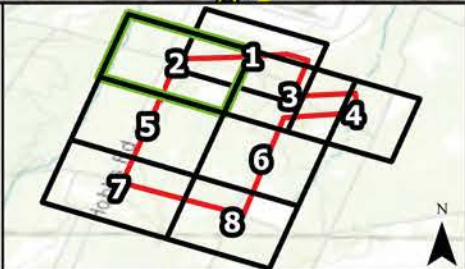
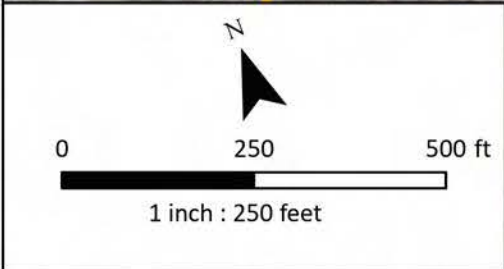
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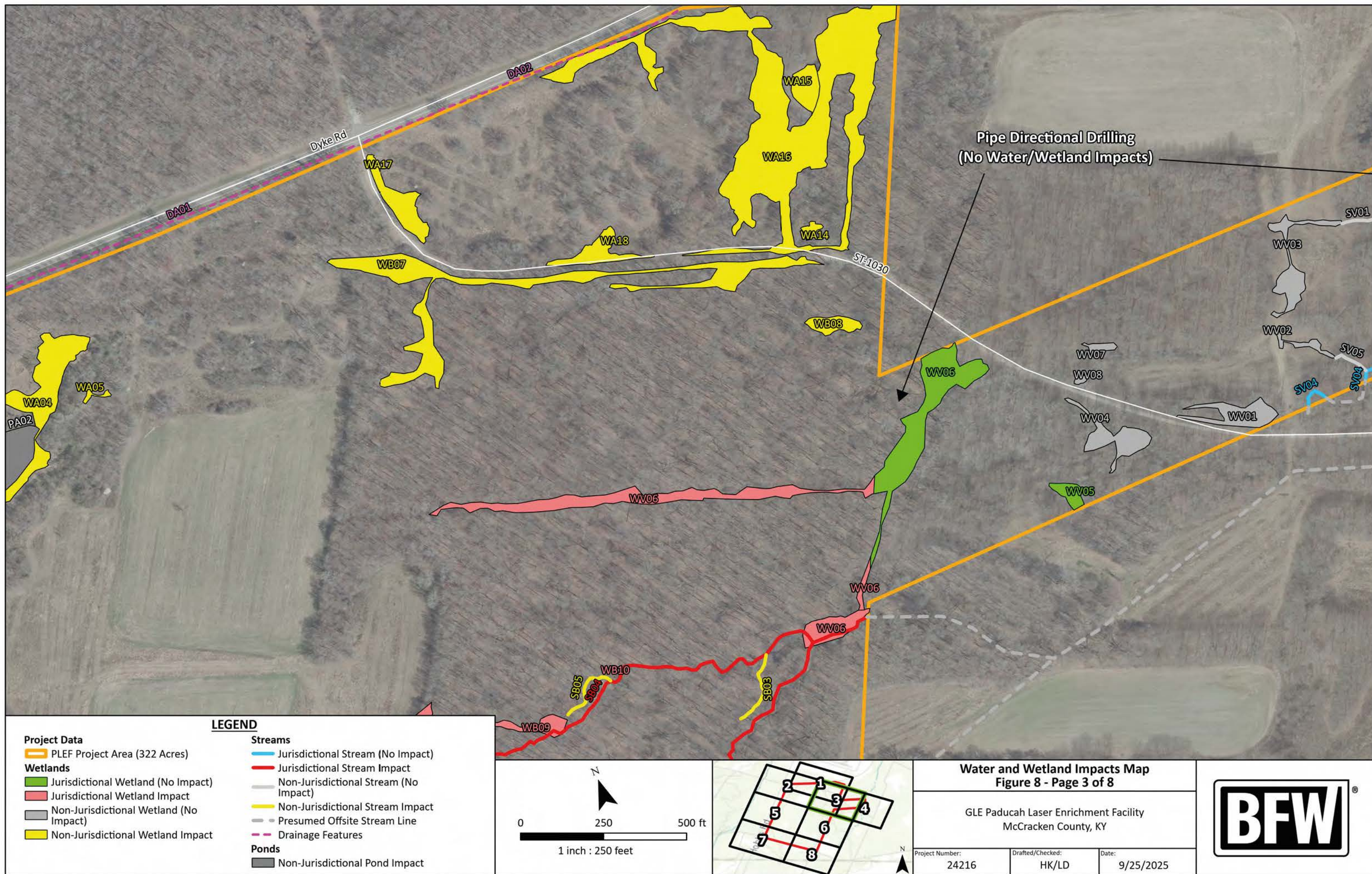
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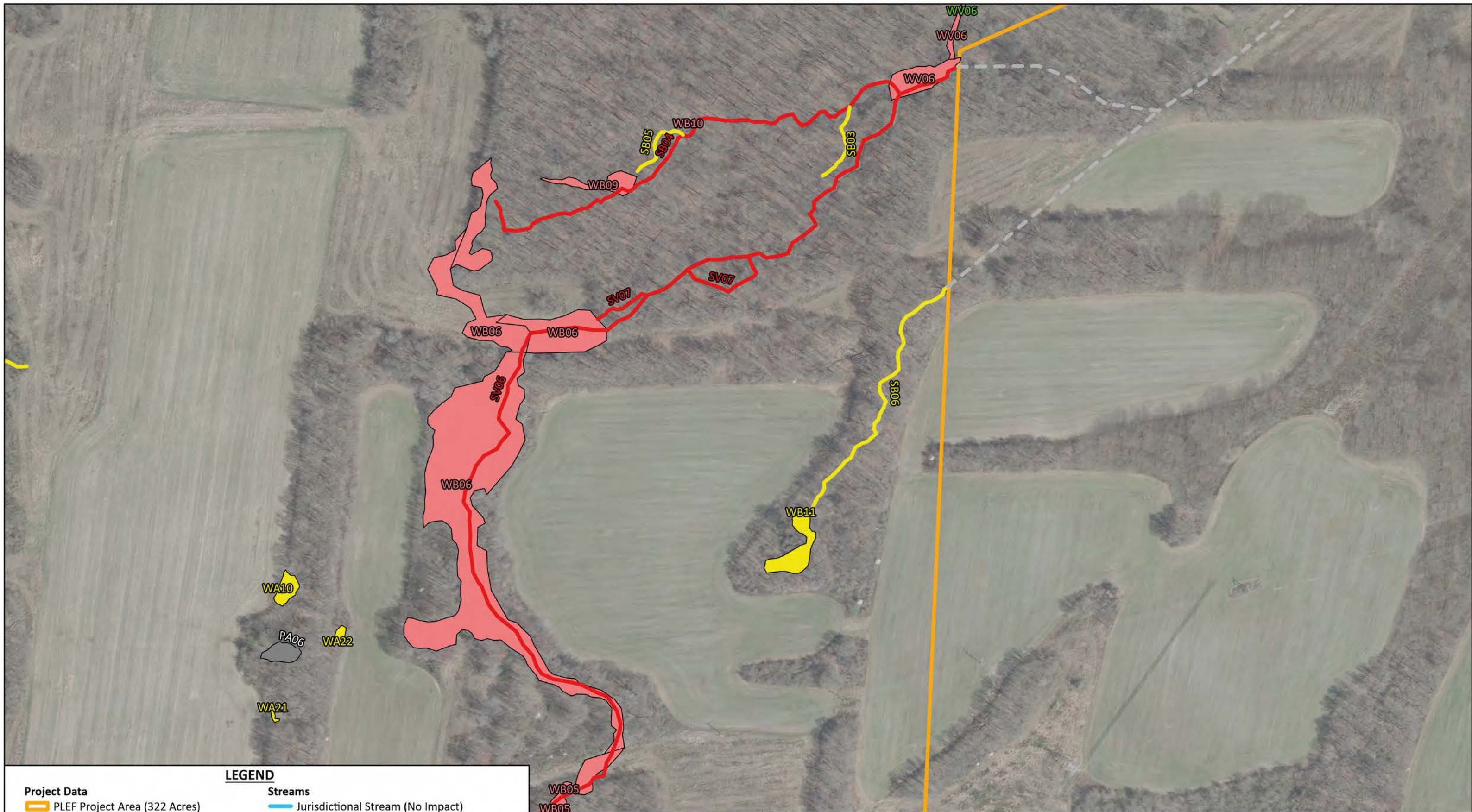
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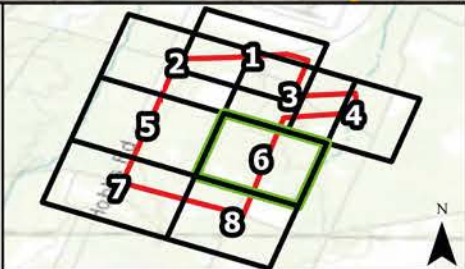
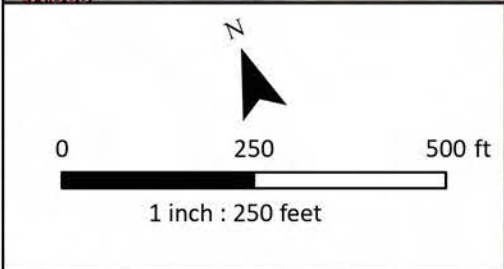
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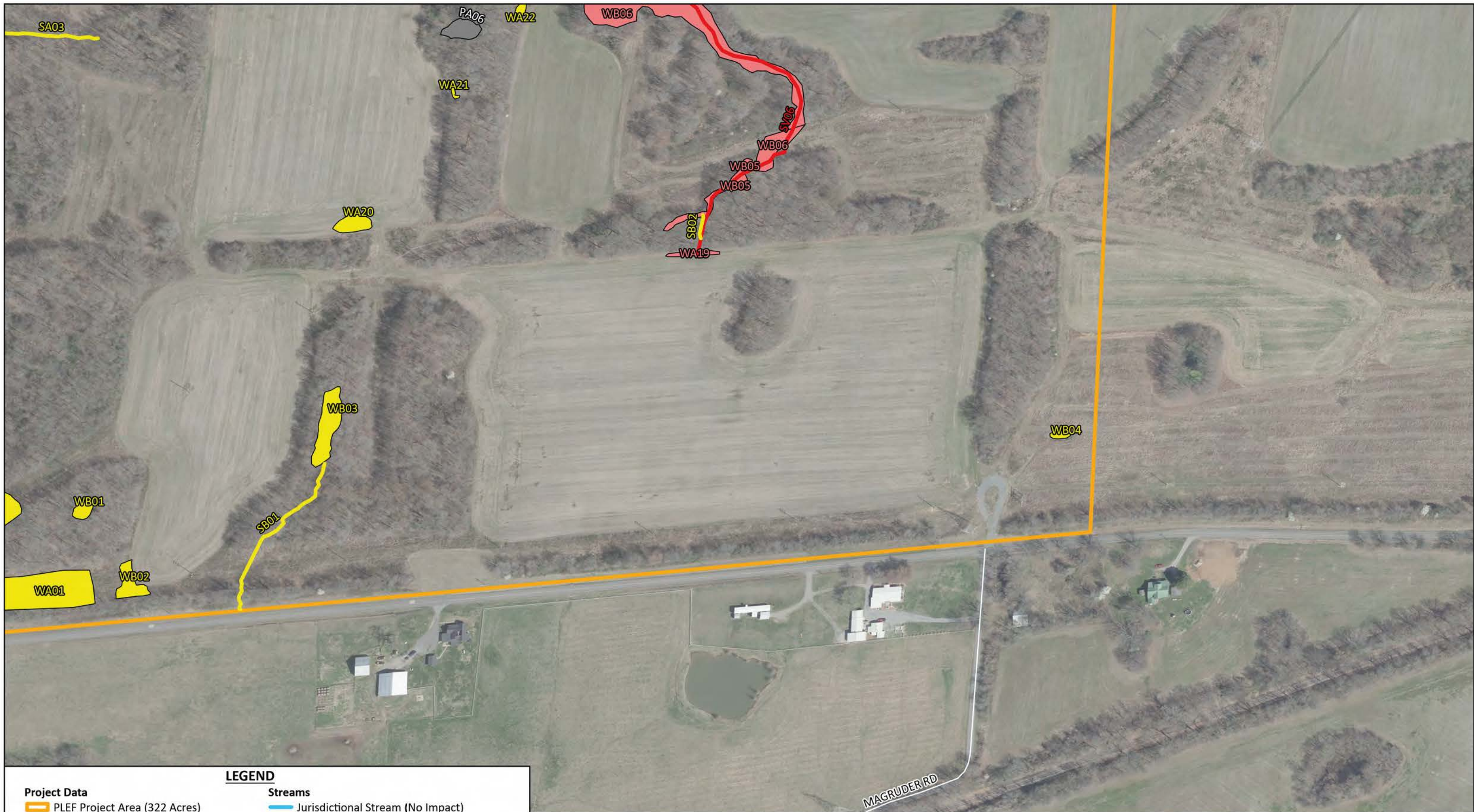
Water and Wetland Impacts Map
Figure 8 - Page 6 of 8

GLE Paducah Laser Enrichment Facility
McCracken County, KY

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24216	HK/LD	9/25/2025



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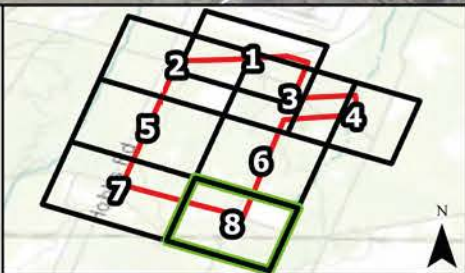
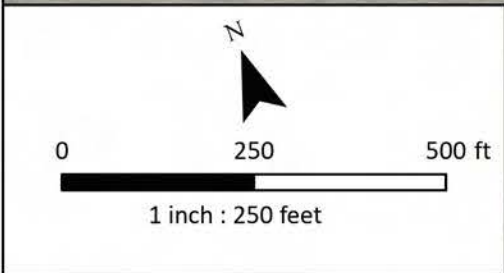
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Water and Wetland Impacts Map Figure 8 - Page 8 of 8		
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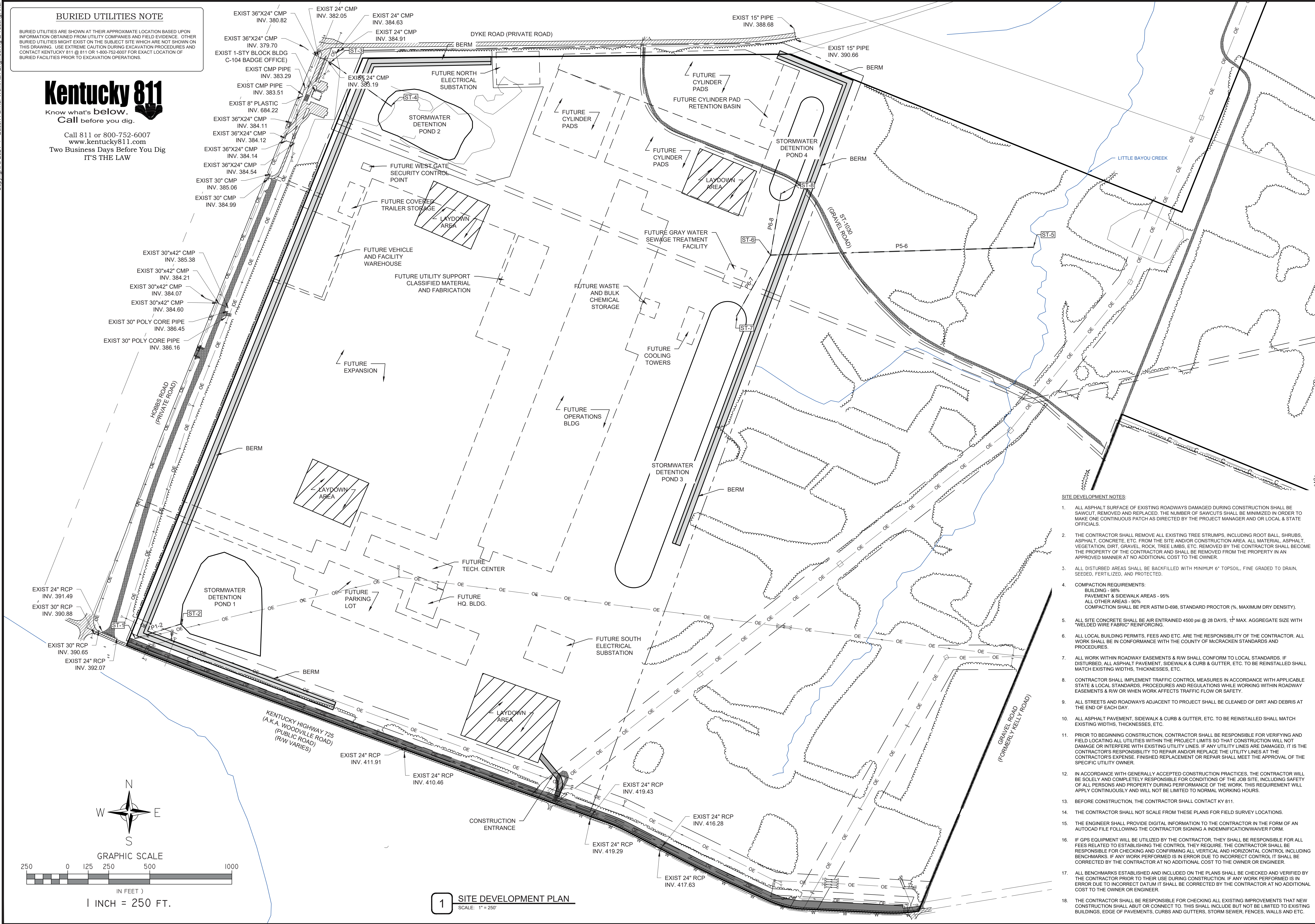
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BURIED UTILITIES NOTE

BURIED UTILITIES ARE SHOWN AT THEIR APPROXIMATE LOCATION BASED UPON INFORMATION OBTAINED FROM UTILITY COMPANIES AND FIELD EVIDENCE. OTHER BURIED UTILITIES MIGHT EXIST ON THE SUBJECT SITE WHICH ARE NOT SHOWN ON THIS DRAWING. USE EXTREME CAUTION DURING EXCAVATION PROCEDURES AND CONTACT KENTUCKY 811 @ 811 OR 1-800-752-6007 FOR EXACT LOCATION OF BURIED FACILITIES PRIOR TO EXCAVATION OPERATIONS.



Call 811 or 800-752-6007
www.kentucky811.com
Two Business Days Before You Dig
IT'S THE LAW



SITE DEVELOPMENT NOTES:

- ALL ASPHALT SURFACE OF EXISTING ROADWAYS DAMAGED DURING CONSTRUCTION SHALL BE SAWCUT, REMOVED AND REPLACED. THE NUMBER OF SAWCUTS SHALL BE MINIMIZED IN ORDER TO MAKE ONE CONTINUOUS PATCH AS DIRECTED BY THE PROJECT MANAGER AND/OR LOCAL & STATE OFFICIALS.
- THE CONTRACTOR SHALL REMOVE ALL EXISTING TREE STRUMPS, INCLUDING ROOT BALL, SHRUBS, ASPHALT, CONCRETE, ETC. FROM THE SITE AND/OR CONSTRUCTION AREA. ALL MATERIAL, ASPHALT, VEGETATION, DIRT, GRAVEL, ROCK, TREE LIMBS, ETC. REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE PROPERTY IN AN APPROVED MANNER AT NO ADDITIONAL COST TO THE OWNER.
- ALL DISTURBED AREAS SHALL BE BACKFILLED WITH MINIMUM 6" TOPSOIL, FINE GRADED TO DRAIN, SEEDED, FERTILIZED, AND PROTECTED.
- COMPACTION REQUIREMENTS:
BUILDING - 98%
PAVEMENT & SIDEWALK AREAS - 95%
ALL OTHER AREAS - 90%
COMPACTION SHALL BE PER ASTM D-698, STANDARD PROCTOR (% MAXIMUM DRY DENSITY).
- ALL SITE CONCRETE SHALL BE AIR ENTRAINED 4500 psi @ 28 DAYS, 12" MAX. AGGREGATE SIZE WITH "WELDED WIRE FABRIC" REINFORCING.
- ALL LOCAL BUILDING PERMITS, FEES AND ETC. ARE THE RESPONSIBILITY OF THE CONTRACTOR. ALL WORK SHALL BE IN CONFORMANCE WITH THE COUNTY OF MCCracken STANDARDS AND PROCEDURES.
- ALL WORK WITHIN ROADWAY EASEMENTS & R/W SHALL CONFORM TO LOCAL STANDARDS. IF DISTURBED, ALL ASPHALT PAVEMENT, SIDEWALK & CURB & GUTTER, ETC. TO BE REINSTALLED SHALL MATCH EXISTING WIDTHS, THICKNESSES, ETC.
- CONTRACTOR SHALL IMPLEMENT TRAFFIC CONTROL MEASURES IN ACCORDANCE WITH APPLICABLE STATE & LOCAL STANDARDS, PROCEDURES AND REGULATIONS WHILE WORKING WITHIN ROADWAY EASEMENTS & R/W OR WHEN WORK AFFECTS TRAFFIC FLOW OR SAFETY.
- ALL STREETS AND ROADWAYS ADJACENT TO PROJECT SHALL BE CLEANED OF DIRT AND DEBRIS AT THE END OF EACH DAY.
- ALL ASPHALT PAVEMENT, SIDEWALK & CURB & GUTTER, ETC. TO BE REINSTALLED SHALL MATCH EXISTING WIDTHS, THICKNESSES, ETC.
- PRIOR TO BEGINNING CONSTRUCTION, CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND FIELD LOCATING ALL UTILITIES WITHIN THE PROJECT LIMITS SO THAT CONSTRUCTION WILL NOT DAMAGE OR INTERFERE WITH EXISTING UTILITY LINES. IF ANY UTILITY LINES ARE DAMAGED, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE THE UTILITY LINES AT THE CONTRACTOR'S EXPENSE. FINISHED REPLACEMENT OR REPAIR SHALL MEET THE APPROVAL OF THE SPECIFIC UTILITY OWNER.
- IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND WILL NOT BE LIMITED TO NORMAL WORKING HOURS.
- BEFORE CONSTRUCTION, THE CONTRACTOR SHALL CONTACT KY 811.
- THE CONTRACTOR SHALL NOT SCALE FROM THESE PLANS FOR FIELD SURVEY LOCATIONS.
- THE ENGINEER SHALL PROVIDE DIGITAL INFORMATION TO THE CONTRACTOR IN THE FORM OF AN AUTOCAD FILE FOLLOWING THE CONTRACTOR SIGNING A INDEMNIFICATION/WAIVER FORM.
- IF GPS EQUIPMENT WILL BE UTILIZED BY THE CONTRACTOR, THEY SHALL BE RESPONSIBLE FOR ALL FEES RELATED TO ESTABLISHING THE CONTROL THEY REQUIRE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING AND CONFIRMING ALL VERTICAL AND HORIZONTAL CONTROL INCLUDING BENCHMARKS. IF ANY WORK PERFORMED IS IN ERROR DUE TO INCORRECT CONTROL IT SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER OR ENGINEER.
- ALL BENCHMARKS ESTABLISHED AND INCLUDED ON THE PLANS SHALL BE CHECKED AND VERIFIED BY THE CONTRACTOR PRIOR TO THEIR USE DURING CONSTRUCTION. IF ANY WORK PERFORMED IS IN ERROR DUE TO INCORRECT DATUM IT SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER OR ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING ALL EXISTING IMPROVEMENTS THAT NEW CONSTRUCTION SHALL ABUT OR CONNECT TO. THIS SHALL INCLUDE BUT NOT BE LIMITED TO EXISTING BUILDINGS, EDGE OF PAVEMENTS, CURBS AND GUTTERS, STORM SEWER, FENCES, WALLS AND ETC.



Paducah, KY Office

2301 McCracken Blvd, Paducah, KY 42001
270-443-1995 / BFWengineers.com

DO NOT REPRODUCE

This document contains confidential information and is an instrument of service and property of the Engineer. It shall not be used on other projects or for the extension of this project without the Engineer's written approval.

GLOBAL LASER ENRICHMENT LLC
PADUCAH LASER ENRICHMENT FACILITY
WOODVILLE ROAD, KEVIL, KY

Revisions:

#	Description	Date

Drawn By: SK

Checked By: KDM

Issue Date: 9/25/2025

Project No: 24216

Sheet Title
SITE
DEVELOPMENT
PLAN

Sheet No.

C1.0

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BURIED UTILITIES NOTE

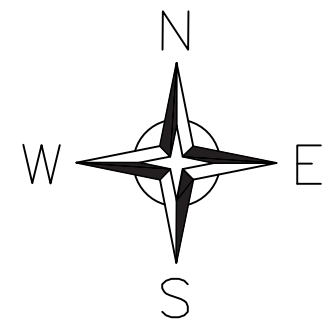
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Kentucky 811
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EXIST 36"x24" CMP INV. 380.82
EXIST 36"x24" CMP INV. 379.70
EXIST 1-STY BLOCK BLDG C-104 BADGE OFFICE
EXIST CMP PIPE INV. 383.29
EXIST CMP PIPE INV. 383.51
EXIST 8" PLASTIC INV. 684.22
EXIST 36"x24" CMP INV. 384.11
EXIST 36"x24" CMP INV. 384.12
EXIST 36"x24" CMP INV. 384.14
EXIST 36"x24" CMP INV. 384.54
EXIST 30" CMP INV. 385.06
EXIST 30" CMP INV. 384.99
EXIST 30"x42" CMP INV. 385.38
EXIST 30"x42" CMP INV. 384.21
EXIST 30"x42" CMP INV. 384.60
EXIST 30"x42" CMP INV. 384.07
EXIST 30" POLY CORE PIPE INV. 388.45
EXIST 30" POLY CORE PIPE INV. 386.16

EXIST 24" RCP INV. 391.49
EXIST 30" RCP INV. 390.88
EXIST 30" RCP INV. 390.65
EXIST 24" RCP INV. 392.07

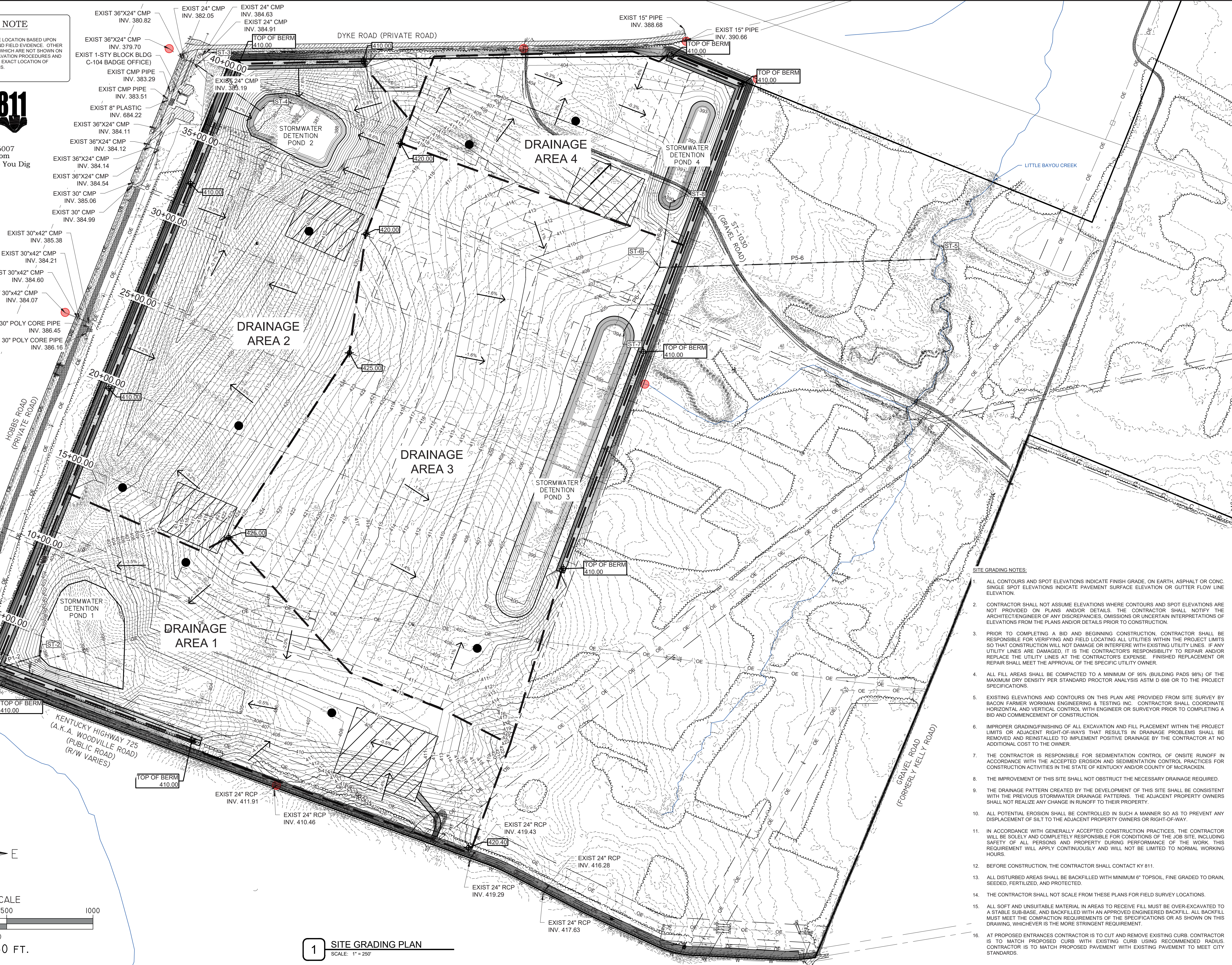


GRAPHIC SCALE

250 0 125 250 500 1000

(IN FEET)

1 INCH = 250 FT.



SITE GRADING NOTES:

- ALL CONTOURS AND SPOT ELEVATIONS INDICATE FINISH GRADE, ON EARTH, ASPHALT OR CONC. SINGLE SPOT ELEVATIONS INDICATE PAVEMENT SURFACE ELEVATION OR GUTTER FLOW LINE ELEVATION.
- CONTRACTOR SHALL NOT ASSUME ELEVATIONS WHERE CONTOURS AND SPOT ELEVATIONS ARE NOT PROVIDED ON PLANS AND/OR DETAILS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES, OMISSIONS OR UNCERTAIN INTERPRETATIONS OF ELEVATIONS FROM THE PLANS AND/OR DETAILS PRIOR TO CONSTRUCTION.
- PRIOR TO COMPLETING A BID AND BEGINNING CONSTRUCTION, CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND FIELD LOCATING ALL UTILITIES WITHIN THE PROJECT LIMITS SO THAT CONSTRUCTION WILL NOT DAMAGE OR INTERFERE WITH EXISTING UTILITY LINES. IF ANY UTILITY LINES ARE DAMAGED, IT IS THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE THE UTILITY LINES AT THE CONTRACTOR'S EXPENSE. FINISHED REPLACEMENT OR REPAIR SHALL MEET THE APPROVAL OF THE SPECIFIC UTILITY OWNER.
- ALL FILL AREAS SHALL BE COMPACTED TO A MINIMUM OF 95% (BUILDING PADS 98%) OF THE MAXIMUM DRY DENSITY PER STANDARD PROCTOR ANALYSIS ASTM D 698 OR TO THE PROJECT SPECIFICATIONS.
- EXISTING ELEVATIONS AND CONTOURS ON THIS PLAN ARE PROVIDED FROM SITE SURVEY BY BACON FARMER WORKMAN ENGINEERING & TESTING, INC. CONTRACTOR SHALL COORDINATE HORIZONTAL AND VERTICAL CONTROL WITH ENGINEER OR SURVEYOR PRIOR TO COMPLETING A BID AND COMMENCEMENT OF CONSTRUCTION.
- IMPROPER GRADING/FINISHING OF ALL EXCAVATION AND FILL PLACEMENT WITHIN THE PROJECT LIMITS OR ADJACENT RIGHT-OF-WAYS THAT RESULTS IN DRAINAGE PROBLEMS SHALL BE REMOVED AND REINSTALLED TO IMPLEMENT POSITIVE DRAINAGE BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR IS RESPONSIBLE FOR SEDIMENTATION CONTROL OF ONSITE RUNOFF IN ACCORDANCE WITH THE ACCEPTED EROSION AND SEDIMENTATION CONTROL PRACTICES FOR CONSTRUCTION ACTIVITIES IN THE STATE OF KENTUCKY AND/OR COUNTY OF McCRACKEN.
- THE IMPROVEMENT OF THIS SITE SHALL NOT OBSTRUCT THE NECESSARY DRAINAGE REQUIRED.
- THE DRAINAGE PATTERN CREATED BY THE DEVELOPMENT OF THIS SITE SHALL BE CONSISTENT WITH THE PREVIOUS STORMWATER DRAINAGE PATTERNS. THE ADJACENT PROPERTY OWNERS SHALL NOT REALIZE ANY CHANGE IN RUNOFF TO THEIR PROPERTY.
- ALL POTENTIAL EROSION SHALL BE CONTROLLED IN SUCH A MANNER SO AS TO PREVENT ANY DISPLACEMENT OF SILT TO THE ADJACENT PROPERTY OWNERS OR RIGHT-OF-WAY.
- IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND WILL NOT BE LIMITED TO NORMAL WORKING HOURS.
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- ALL DISTURBED AREAS SHALL BE BACKFILLED WITH MINIMUM 6" TOPSOIL, FINE GRADED TO DRAIN, SEEDED, FERTILIZED, AND PROTECTED.
- THE CONTRACTOR SHALL NOT SCALE FROM THESE PLANS FOR FIELD SURVEY LOCATIONS.
- ALL SOFT AND UNSUITABLE MATERIAL IN AREAS TO RECEIVE FILL MUST BE OVER-EXCAVATED TO A STABLE SUB-BASE, AND BACKFILLED WITH AN APPROVED ENGINEERED BACKFILL. ALL BACKFILL MUST MEET THE COMPACTION REQUIREMENTS OF THE SPECIFICATIONS OR AS SHOWN ON THIS DRAWING, WHICHEVER IS THE MORE STRINGENT REQUIREMENT.
- AT PROPOSED ENTRANCES CONTRACTOR IS TO CUT AND REMOVE EXISTING CURB. CONTRACTOR IS TO MATCH PROPOSED CURB WITH EXISTING CURB USING RECOMMENDED RADIUS. CONTRACTOR IS TO MATCH PROPOSED PAVEMENT WITH EXISTING PAVEMENT TO MEET CITY STANDARDS.

1 SITE GRADING PLAN

SCALE: 1" = 250'



Paducah, KY Office

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GLOBAL LASER ENRICHMENT LLC
PADUCAH LASER ENRICHMENT FACILITY
WOODVILLE ROAD, KEVIL, KY

Revisions:

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SHEET TITLE
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PLAN

Sheet No.

C2.0

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Sheet Title
**EROSION &
SEDIMENTATION
CONTROL PLAN**

Sheet No.

C2.2

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BURIED UTILITIES NOTE

BURIED UTILITIES ARE SHOWN AT THEIR APPROXIMATE LOCATION BASED UPON INFORMATION OBTAINED FROM UTILITY COMPANIES AND FIELD EVIDENCE. OTHER BURIED UTILITIES MIGHT EXIST ON THE SUBJECT SITE WHICH ARE NOT SHOWN ON THIS DRAWING. USE EXTREME CAUTION DURING EXCAVATION PROCEDURES AND CONTACT KENTUCKY 811 @ 811 OR 1-800-752-6007 FOR EXACT LOCATION OF BURIED FACILITIES PRIOR TO EXCAVATION OPERATIONS.

Kentucky 811
Know what's below.
Call before you dig.

Call 811 or 800-752-6007
www.kentucky811.com
Two Business Days Before You Dig
IT'S THE LAW

1 STORMWATER PLAN

SCALE: 1" = 250'

- STORMWATER NOTES:
- ALL STORM WATER PIPE WITHIN THE CITY RIGHT-OF-WAY SHALL BE REINFORCED CONCRETE PIPE (RCP). STORM PIPE USED FOR YARD DRAINS SHALL BE ADS PIPE WITH CAST IRON GRATES OR APPROVED EQUAL.
 - ALL BACKFILL MATERIALS SHALL BE AS SPECIFIED ON THE DETAILS. SEE SITE DETAIL SHEETS FOR SPECIFIC INFORMATION.
 - ALL STORM WATER PIPE SHALL HAVE A MINIMUM COVER OF 12" OVER THE TOP OF PIPE (NOT INCLUDING PAVEMENT SECTIONS). CONTRACTOR SHALL PROVIDE MINIMUM COVER IN ALL CASES. IF DISCREPANCIES EXIST IN THE GRADING PLAN OR IF UNSEEN SITE CONDITIONS EXIST THAT WILL NOT ALLOW THIS COVER AS DESIGNED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
 - ALL STORM WATER PIPE BENEATH PAVEMENT SHALL BE BACKFILLED FULL DEPTH WITH DENSE GRADED AGGREGATE (DGA).
 - STORM WATER STRUCTURES SHALL BE PRE-CAST CONCRETE, UNLESS SPECIFIED OTHERWISE, AND SHALL MEET ALL THE SPECIFICATIONS FOR DRAINAGE STRUCTURES AS OUTLINED IN THE LOCAL STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION.
 - PIPE FITTINGS ARE NOT DESIGNATED ON THESE DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND INSTALLING ALL FITTINGS TO COMPLETE THE STORM WATER PIPING INSTALLATION AS PART OF THEIR CONTRACT WITH NO ADDITIONAL COST TO THE OWNER. ALL CONNECTIONS REQUIRE FITTINGS. PARTICULARLY, ALL DOWNSPOUTS SHALL BE CONNECTED TO THE MANFOLD LINES WITH APPROPRIATE FITTINGS. FITTINGS INCLUDE, BUT NOT LIMITED TO, TEES, WYES, ELBOWS, CROSSES, CONNECTING BANDS, GASKETS, ETC.
 - CONTRACTOR IS RESPONSIBLE FOR SUBMITTING PIPE AND DRAINAGE STRUCTURE MATERIAL CERTIFICATIONS, SIZES AND QUANTITIES TO THE ENGINEER FOR WRITTEN APPROVAL PRIOR TO CONSTRUCTION.
 - STORM WATER PIPE AND DRAINAGE STRUCTURES SHALL BE INSTALLED IN PROPER CONSTRUCTION SEQUENCE SUCH THAT SITE DRAINAGE IS ALLOWED TO DRAIN FROM THE SITE. IT IS CRITICAL THAT THE STORM WATER RUNOFF BYPASS AND/OR EXIT THE AREAS OF CONSTRUCTION TO PREVENT DEGRADATION OF THE SITE CAUSED BY PRECIPITATION AND/OR PONDING WATER.
 - ALL STORM WATER PIPE AND DRAINAGE STRUCTURES SHALL BE PROTECTED DURING THE COURSE OF CONSTRUCTION. SPECIAL PROVISIONS MAY BE NECESSARY TO ACCOMMODATE CONSTRUCTION TRAFFIC AND ASSOCIATED LOADING. CONTRACTOR SHALL REPAIR OR REPLACE ANY PIPE OR DRAINAGE STRUCTURES DAMAGED DURING CONSTRUCTION, AT NO ADDITIONAL COST TO THE OWNER.

STRUCTURE TABLE

NAME	DESCRIPTION	RIM ELEVATION	INVERT ELEVATION	PIPES IN	PIPES OUT
ST-1	CONCRETE HEADWALL	399.74	399.80	P1-2 (INV:395.00)	
ST-2	CONCRETE HEADWALL	397.63	397.80		P1-2 (INV:395.50)
ST-3	CONCRETE HEADWALL	385.43	387.20	P3-4 (INV:383.20)	
ST-4	CONCRETE HEADWALL	386.63	390.80		P3-4 (INV:384.50)
ST-5	CONCRETE HEADWALL	383.74	387.90	P5-6 (INV:380.00)	
ST-6	48" X 48" CATCH BASIN	405.59	386.00	P6-8 (INV:386.00) P6-7 (INV:386.00)	P5-6 (INV:386.00)
ST-7	CONCRETE HEADWALL	386.65	392.00		P6-7 (INV:394.00)
ST-8	CONCRETE HEADWALL	382.65	397.00		P6-8 (INV:390.00)

PIPE TABLE

NAME	SIZE	MATERIAL	LENGTH	SLOPE	UPSLOPE STRUCTURE	DOWNSLOPE STRUCTURE
P1-2	18"	RCP	295.17'	0.17%	ST-2 (INV:395.50)	ST-1 (INV:395.00)
P3-4	18"	RCP	454.45'	0.29%	ST-4 (INV:384.50)	ST-3 (INV:383.20)
P5-6	36"	RCP	1600.75'	0.38%	ST-6 (INV:386.00)	ST-5 (INV:380.00)
P6-7	18"	RCP	422.58'	1.90%	ST-7 (INV:394.00)	ST-6 (INV:386.00)
P6-8	18"	RCP	378.68'	1.06%	ST-8 (INV:390.00)	ST-6 (INV:386.00)



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