



# Indiana Department of Environmental Management Office of Water Quality Wetlands Section

**Publication Date:**

May 28, 2024

**Closing Date:**

June 18, 2024

**IDEM ID Number:**

2024-319-22-JLB-A

**Corps of Engineers ID Number:**

LRL-2004-00218

## PUBLIC NOTICE

**To all interested parties:** This letter shall serve as a formal notice of the receipt of an application for **Section 401 Water Quality Certification** by the Indiana Department of Environmental Management (IDEM). The purpose of the notice is to inform the public of active applications submitted for water quality certification under Section 401 of the Clean Water Act (33 U.S.C. § 1341) and to solicit comments and information on any impacts to water quality related to the proposed project. IDEM will evaluate whether the project complies with Indiana's water quality standards as set forth at 327 IAC 2.

- 1. Applicant:** Luke Franklin  
Duke Energy  
30 Jackson Street  
New Albany, IN 47150
- 2. Agent:** Bill Leopold  
AECOM  
525 Vine Street, Suite 1800  
Cincinnati, OH 45202
- 3. Project location:** Floyd County  
Latitude 38.2632, Longitude -85.8392  
The project is located 1.5 miles southwest of New Albany, Indiana between the Ohio River and State Road 111.
- 4. Affected waterbody:** Ohio River
- 5. Project Description:** As part of the project the applicant proposes to permanently impact 1280 linear feet and 0.36 acre of the Ohio River and temporarily impact 170 linear feet and 0.15 acre of the Ohio River. The purpose of the work is the filling and removal of the north and south intake structures, deconstruction and removal of Ohio River dock cells, decommissioning and removal of the barge unloader, installation of one temporary dock and access drive, construction of a coal pile stormwater channel and subsequent outlet basin, and final grading. For additional information please visit the following webpage: <http://www.in.gov/idem/5474.htm>

**Comment period:** Any person or entity who wishes to submit comments or information relevant to this project may do so by the closing date noted above. Only comments or information related to water quality or potential impacts of the project on water quality can be considered by IDEM in the water quality certification review process.

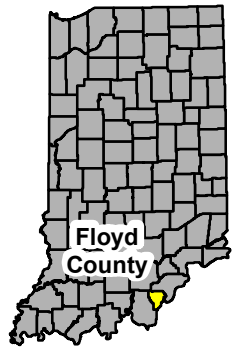
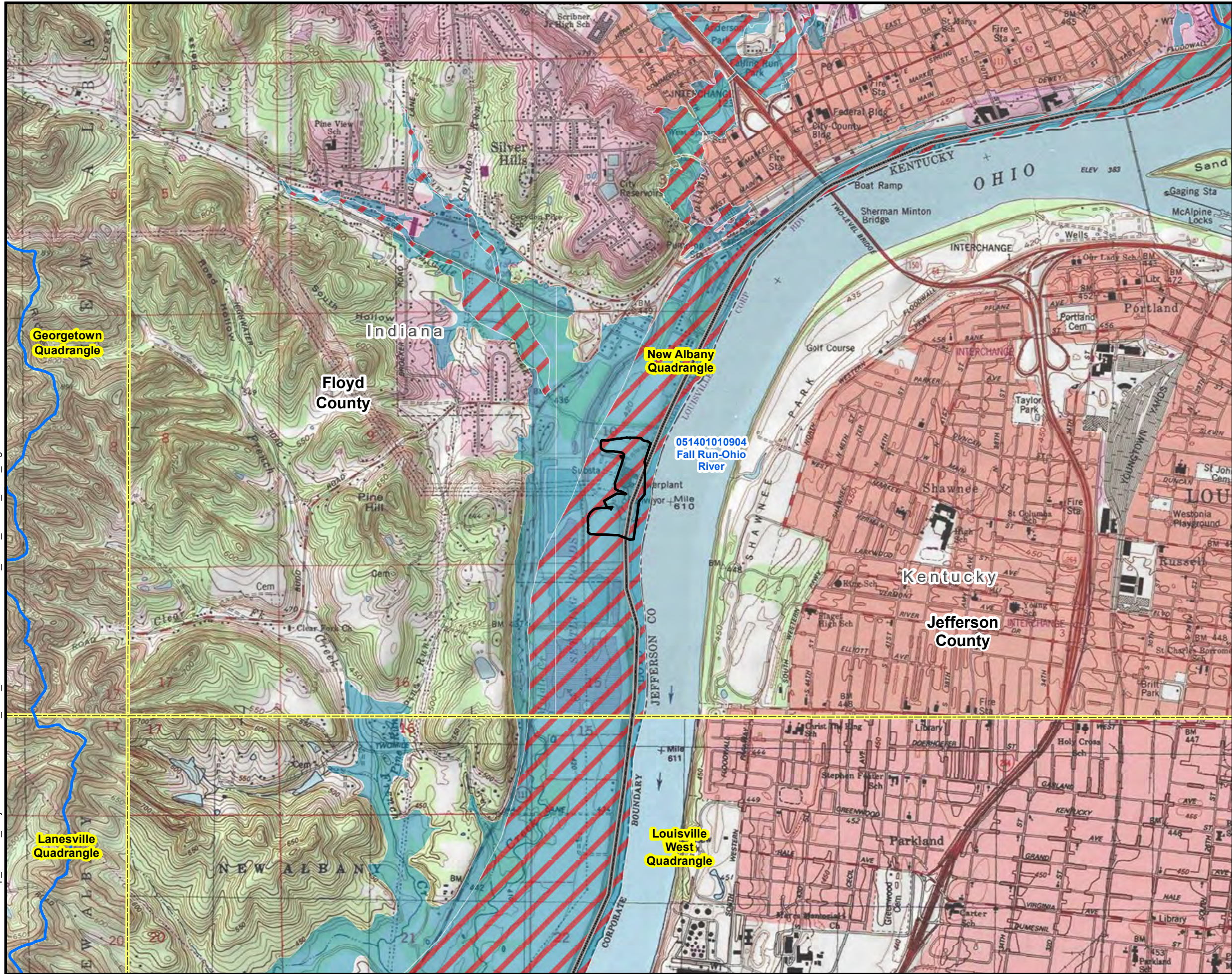
**Public Hearing:** Any person may submit a written request that a public hearing be held to consider issues related to water quality in connection with the project detailed in this notice. The request for a hearing should be submitted within the comment period to be considered timely. The request should also state the reason for the public hearing as specifically as possible to assist IDEM in determining whether a public hearing is warranted.

**Questions?** Additional information about the Indiana Department of Environmental Management waterway permitting associated with this project may be obtained from Jake Brinkman, Indiana Department of Environmental Management Project Manager, at 317-306-8995. Please address all correspondence to the project manager and reference the IDEM project identification number listed on this notice. Indicate if you wish to receive a copy of IDEM's final decision. Written comments and inquiries may be forwarded to -



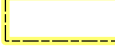




Indiana Department of Environmental Management  
100 North Senate Avenue  
MC65-42 WQS IGCN 1255  
Indianapolis, Indiana 46204-2251  
FAX: 317/232-8406

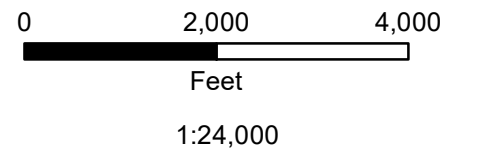


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**LEGEND:**

-  Project Limits of Disturbance (LOD)
-  HUC12 Watershed (USGS)
-  USGS 7.5" Topographical Quadrangle
-  County Boundary
-  State Boundary
-  NFHL Regulatory Floodway (FEMA)
-  NFHL 100-year Floodplain (FEMA)



Service Layer Credits: Copyright: © 2013 National Geographic Society, i-cubed



Gallagher Station Demolition Permitting Support Project

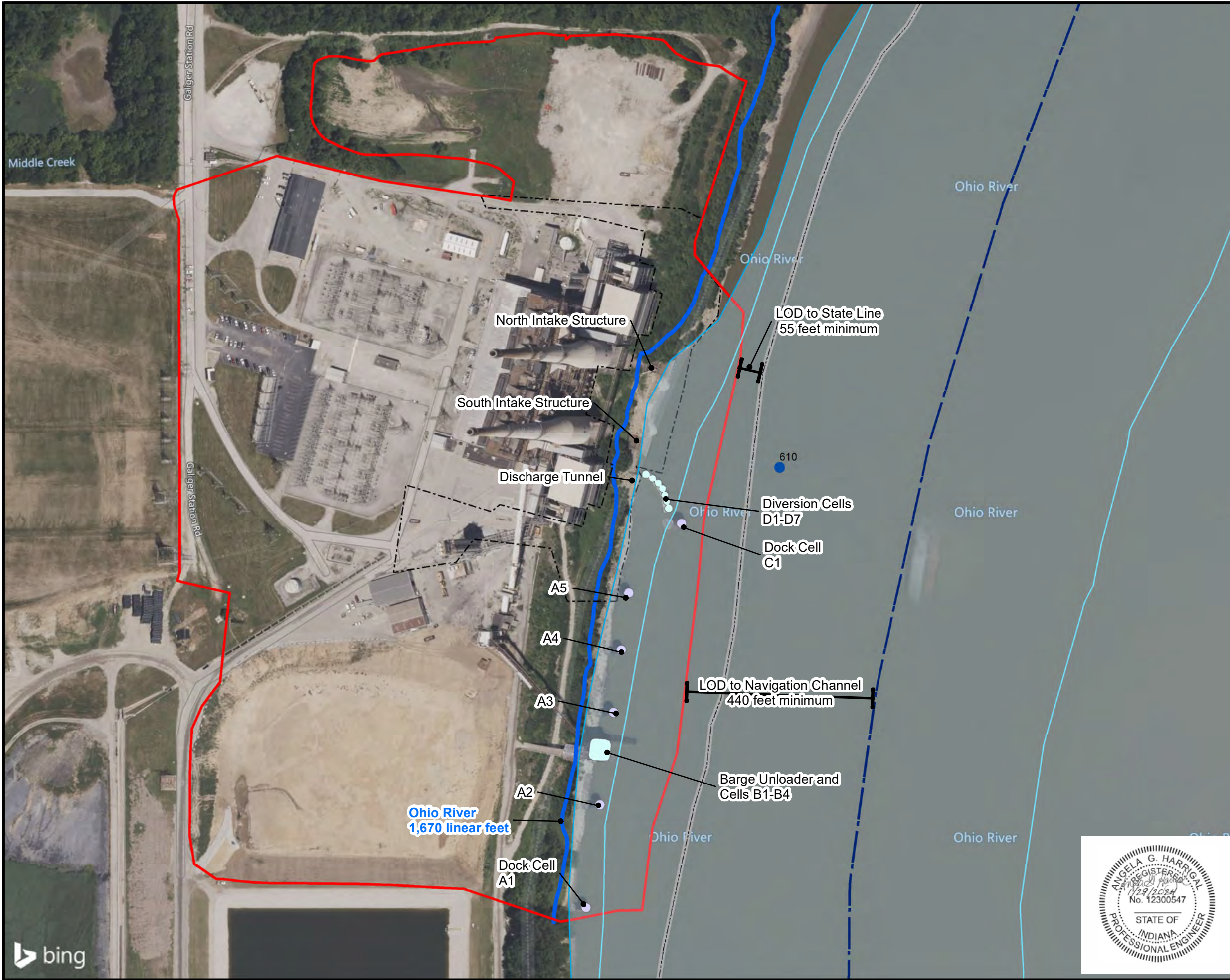
FIGURE 1  
SITE LOCATION USGS TOPOGRAPHIC MAP  
WITH FEMA/HUC OVERLAY

JOB NO. 60657455



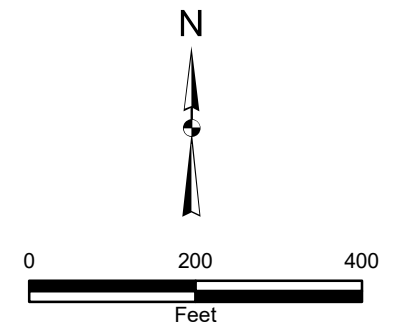


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**LEGEND:**

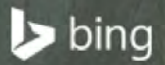
- Phase 2 Limits of Disturbance (LOD)
- Phase 1 Limits of Disturbance (LOD)
- Ordinary High Water Elevation (OHW=408.5')
- Mile Marker
- Normal Pool Level (USACE Electronic NavChart)
- Deep Water Level (USACE Electronic NavChart)
- Sailing Line (USACE Electronic NavChart)
- Channel (USACE Electronic NavChart)
- Mooring
- Fixed Structure
- State Boundary



**DUKE ENERGY** Gallagher Station Intake and Discharge Closure Project-Phase 2

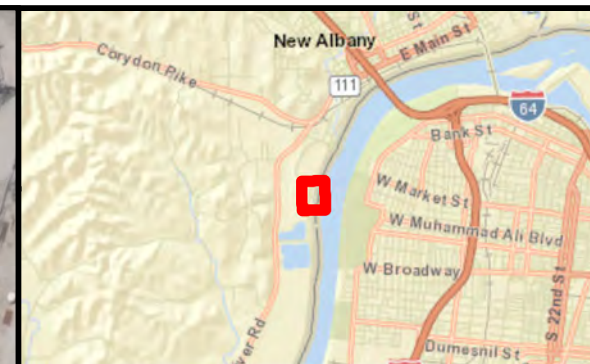
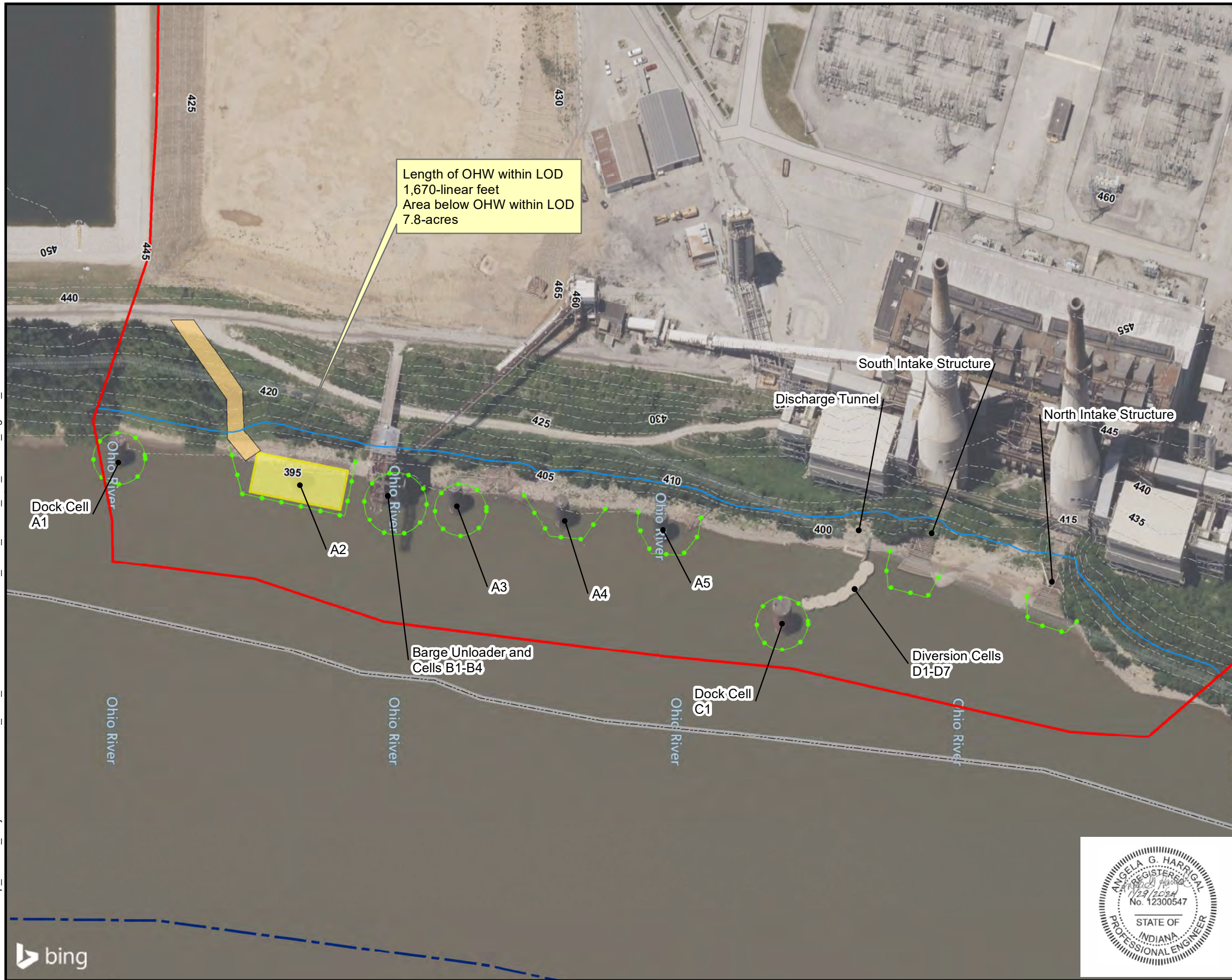
**FIGURE 2**  
PROJECT AREA MAP

LRL-2004-00218



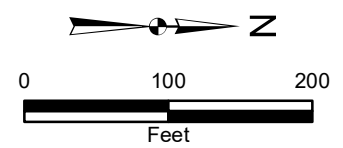


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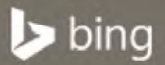
- LEGEND:**
- Phase 2 Limits of Disturbance (LOD)
  - OHW Elevation (408.5')
  - Temporary Access Road/Ramp
  - Temporary Dock
  - Turbidity Curtain
  - 5-foot Contour
  - Sailing Line (USACE Electronic NavChart)
  - State Boundary

- NOTE:**
1. INTAKE STRUCTURES
    - a. 80 LINEAR FEET
    - b. 0.19 ACRE
    - c. 5,000 CUBIC YARDS FILL AGGREGATE
  2. DOCK CELLS (TOTAL)
    - a. 1,100 LINEAR FEET
    - b. 0.01 ACRE
    - c. 3,500 CUBIC YARDS DREDGE AGGREGATE
    - d. 81 CUBIC YARDS DREDGE STEEL

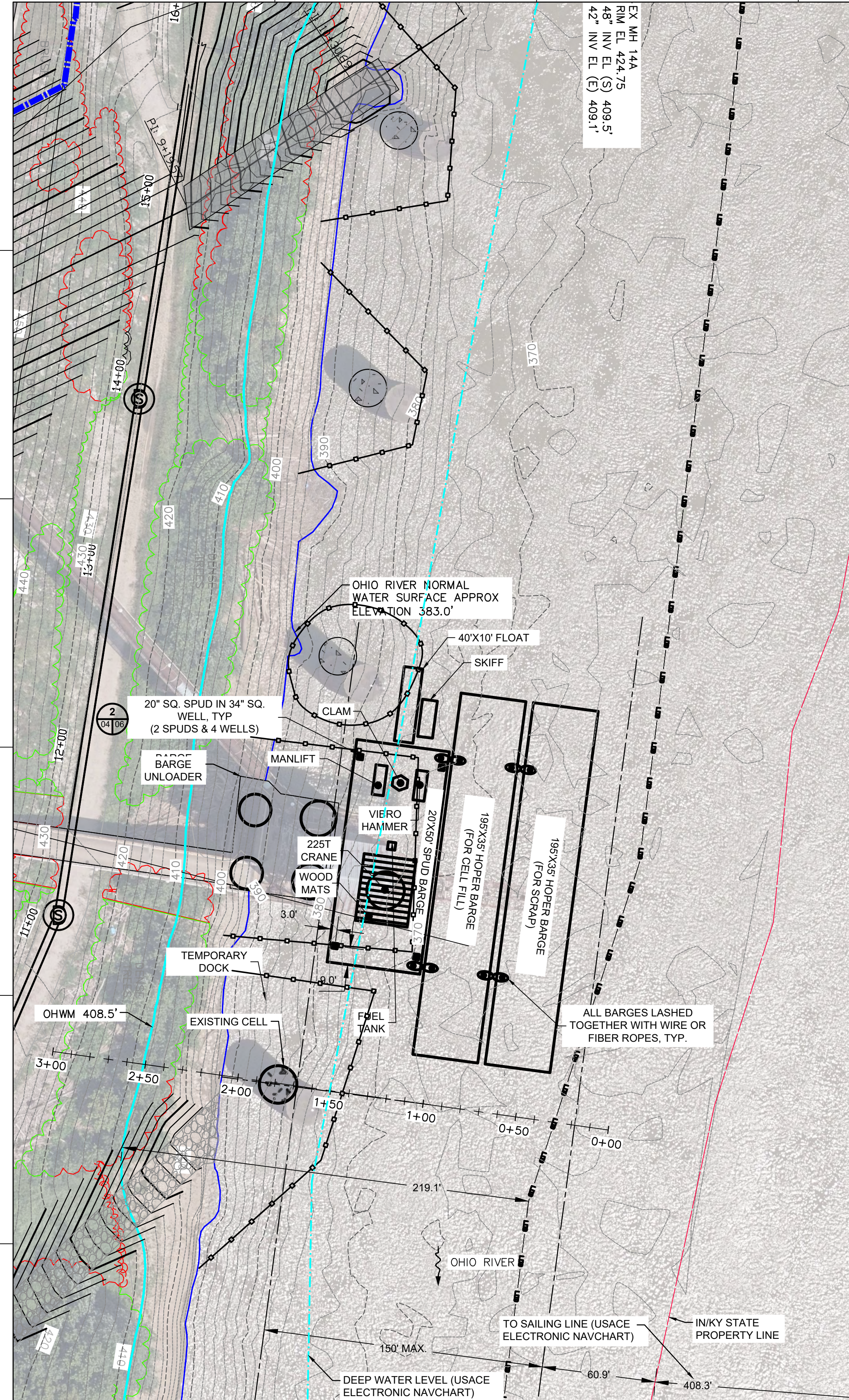


**DUKE ENERGY** Gallagher Station Intake and Discharge Closure Project-Phase 2

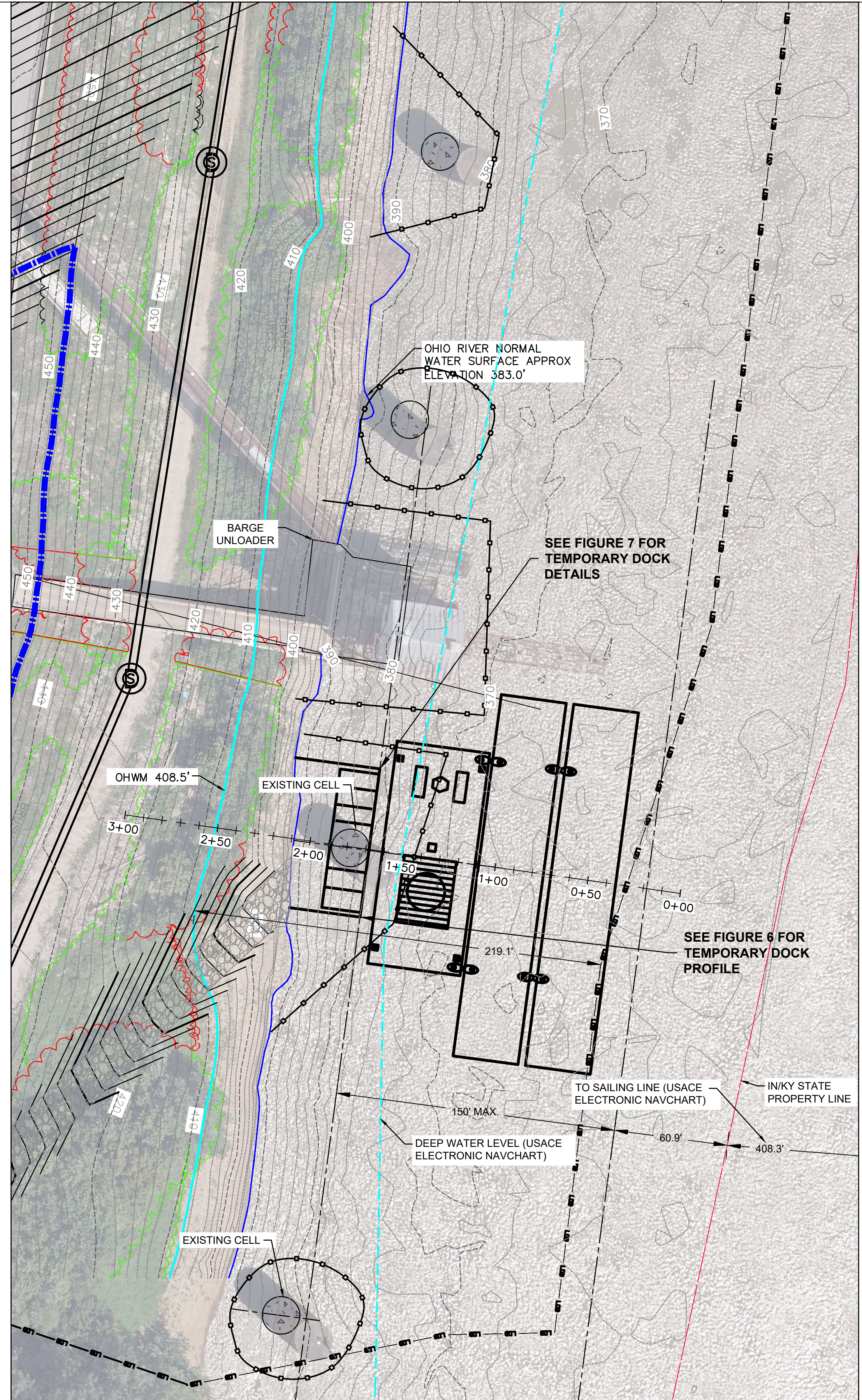
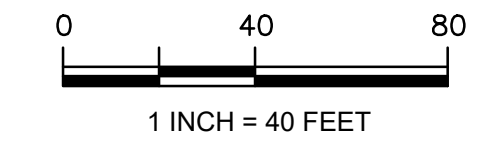
**FIGURE 3**  
PROJECT DETAIL MAP



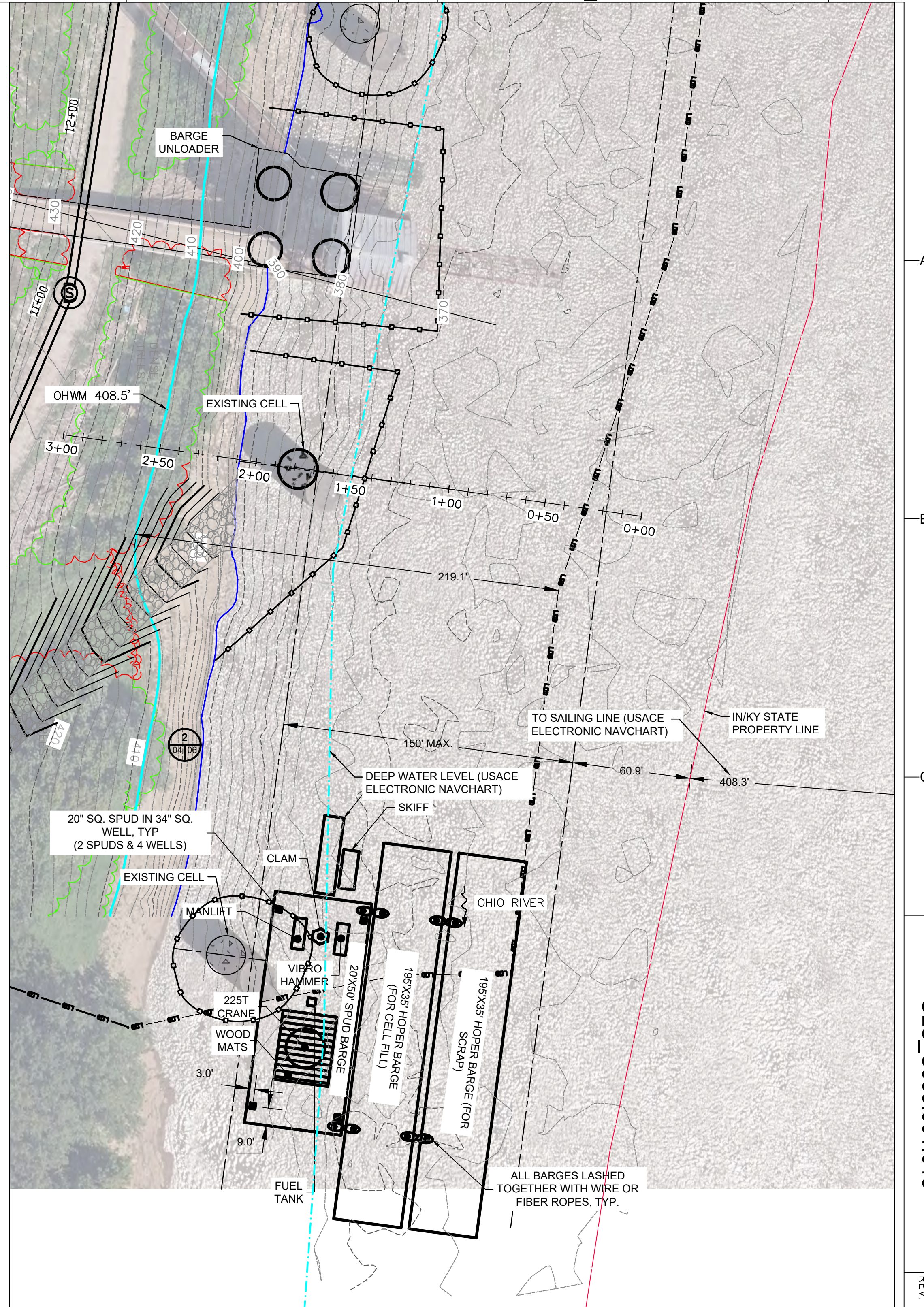




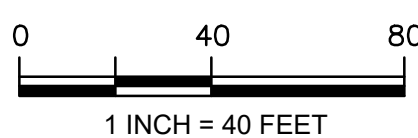
BARGE UNLOADER DEMOLITION CONFIGURATION



TEMPORARY DOCK PLAN



TYPICAL RIVER CELL DEMOLITION CONFIGURATION



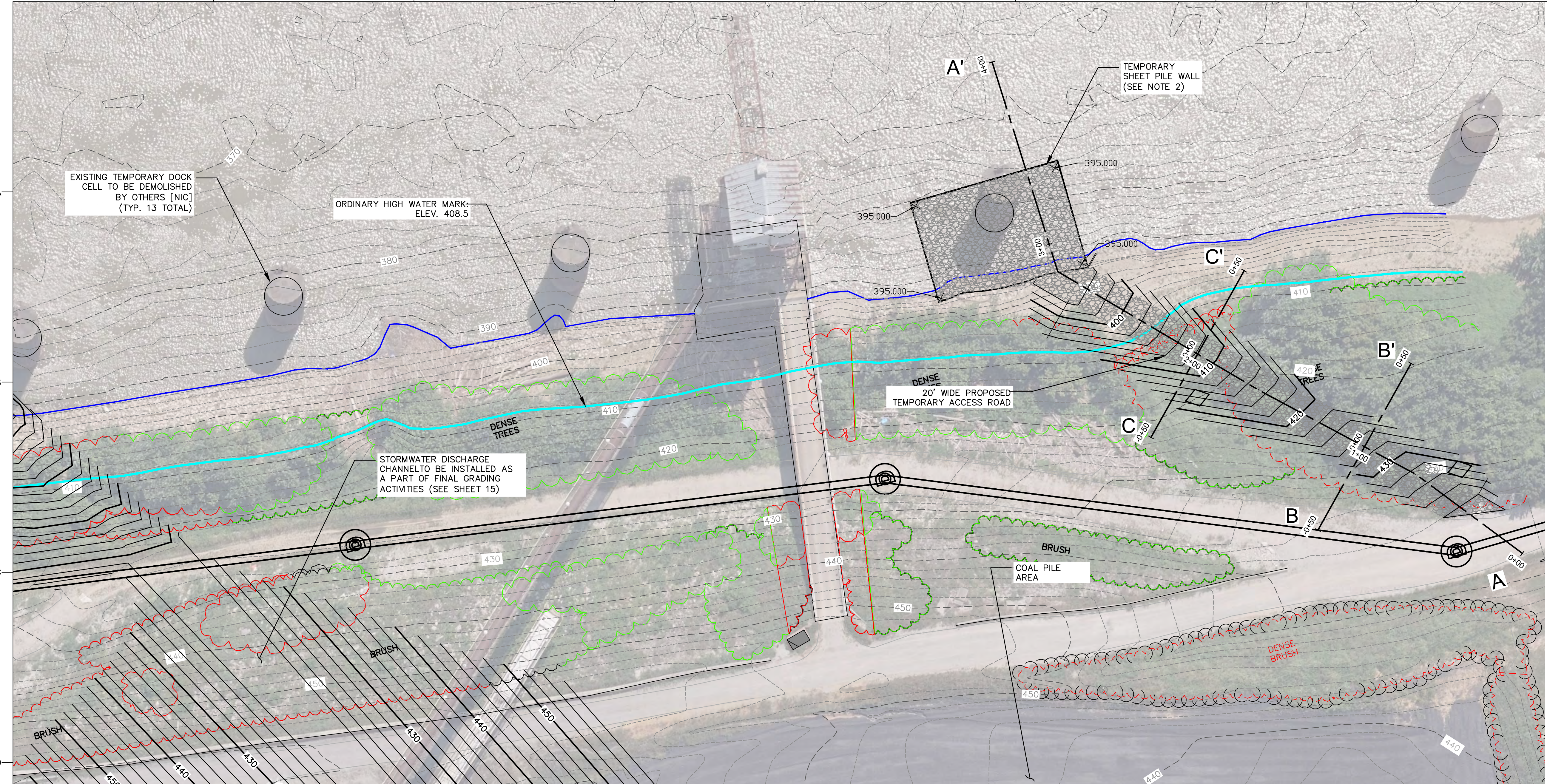
**LEGEND**

	PROP GROUDED INDOT CLASS 2 RIPRAP		LIMITS OF DISTURBANCE
	EX VEGETATION/TREES TO REMAIN AND NOT BE IMPACTED		TEMPORARY TURBIDITY CURTAIN
	EX VEGETATION/TREES TO BE REMOVED AND REPLACED IN KIND		PROP MINOR CONTOUR INTERVAL
	ORDINARY HIGH WATER MARK ELEV. 408.5		PROP MAJOR CONTOUR INTERVAL
	OHIO RIVER NORMAL WATER SURFACE ELEVATION		EX MINOR CONTOUR INTERVAL
	OHIO RIVER 100-YEAR WATER SURFACE ELEVATION		EX MAJOR CONTOUR INTERVAL
	PROP FINAL GRADE (MAX 3:1 SLOPE, MIN 1% SLOPE)		EX GRADE

- NOTES:**
- WORK TUGBOAT ATTENDING BARGE MOVEMENTS.
  - TEMPORARY SHEET PILE WALL SHALL BE DESIGNED BY CONTRACTOR. CONTRACTOR SHALL SUBMIT SIGNED AND SEALED DRAWINGS BY INDIANA PE FOR APPROVAL.
  - DEMOLITION METHODS FOR CELL AND COAL PILE UNLOADER STRUCTURES SHOWN ON THIS DRAWING ARE FOR ENVIRONMENTAL PERMITTING PURPOSES ONLY. NOT TO BE USED FOR CONSTRUCTION. AECOM HAS PROVIDED THIS INFORMATION BASED ON PROPOSED DEMOLITION METHODS PROVIDED BY THE CONTRACTOR.

	<b>BARGE CONFIGURATIONS</b> DUKE GALLAGHER DEMOLITION PERMITTING	
	FOR ISSUED FOR PERMIT LRL-2004-00218	
SCALE: AS SHOWN DWG TYPE: AUTOCAD JOB NO: 60631211 DATE: 01/29/2024	DES: NSF DFTR: TBW CHKD: NSF ENGR: AGH APPD: AGH	FILENAME: DWG SIZE: ARCH D 24.0"x36.0" DRAWING NO: <b>FIGURE 4</b> REVISION: <b>0</b>
	TITLE: BARGE CONFIGURATIONS DUKE GALLAGHER DEMOLITION PERMITTING	



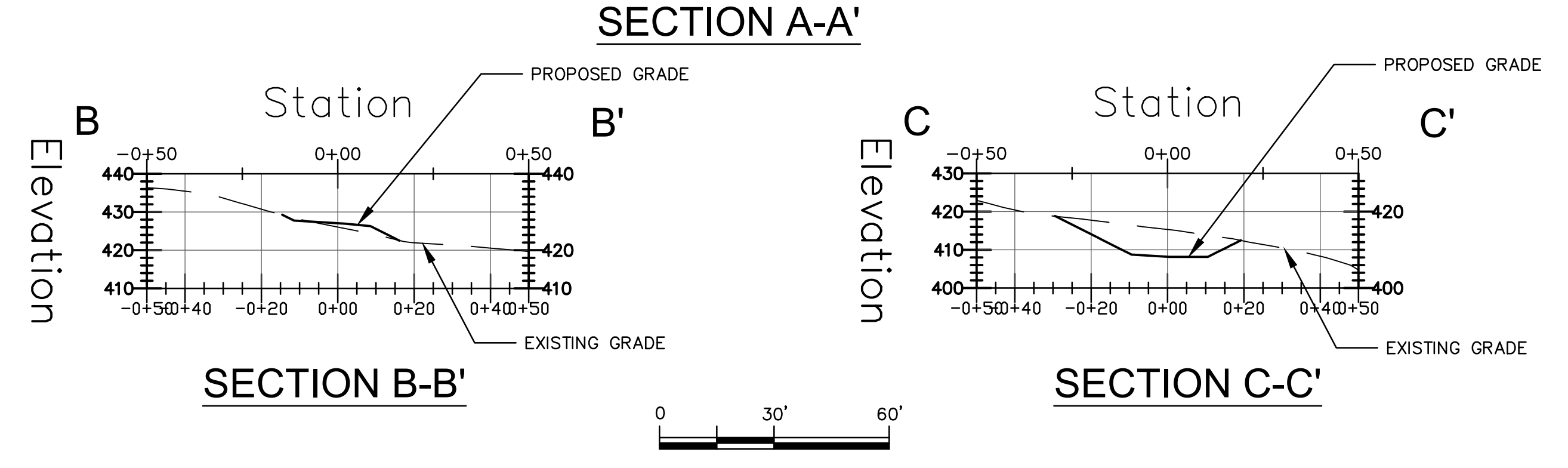
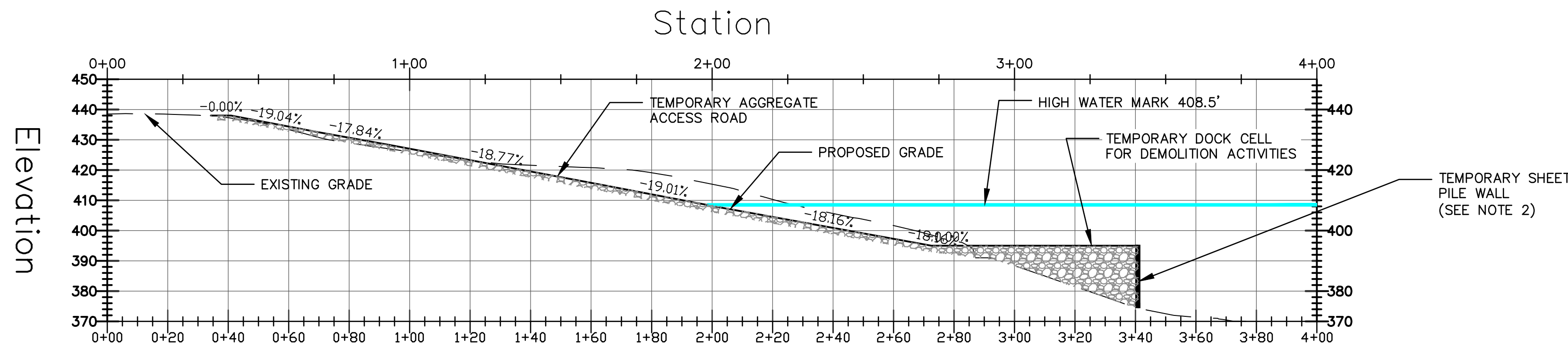


**LEGEND**

- 480 — PROP MINOR CONTOUR INTERVAL
- 480 — PROP MAJOR CONTOUR INTERVAL
- - - 480 - - - EX MINOR CONTOUR INTERVAL
- - - 480 - - - EX MAJOR CONTOUR INTERVAL
- — — EX GRADE
- — — PROP FINAL GRADE (MAX 3:1 SLOPE, MIN 1% SLOPE)
- — — JERSEY BARRIERS WRAPPED IN GEOTEXTILE
- LDD — LIMITS OF DISTURBANCE
- SF — SF — SILT FENCE OR INDOT FILTER SOCK
- — — TEMPORARY TURBIDITY CURTAIN
- — — OHIO RIVER NORMAL WATER SURFACE ELEVATION
- — — ACCESS ROAD
- — — CONSTRUCTION LAYDOWN AREA
- — — PROP BUILDING DEMOLITION/REMOVAL HATCH (REMOVAL TO BE DONE BY OTHERS)
- — — EX VEGETATION/TREES TO REMAIN AND NOT BE IMPACTED
- — — EX VEGETATION/TREES TO BE REMOVED AND REPLACED IN KIND
- — — ORDINARY HIGH WATER MARK ELEV. 408.5
- — — 100 YEAR FLOOD ELEV. 447.0

**NOTES:**

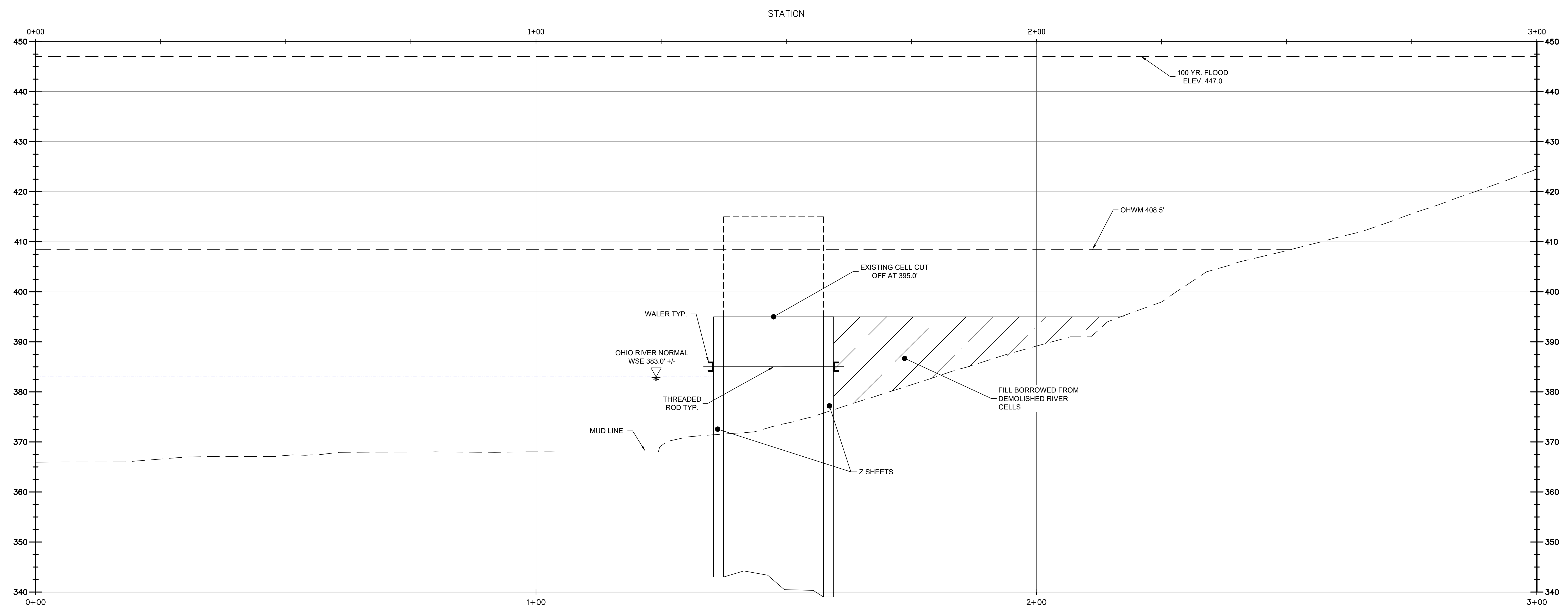
- EXISTING GRADE IS BASED ON AN AERIAL SURVEY PROVIDED BY DUKE ENERGY CONDUCTED ON JULY 24, 2019 BY KUCERA INTERNATIONAL INC. THIS SURVEY WAS SUPPLEMENTED WITH A SURVEY COMPLETED BY PERFORMANCE SURVEYING INC. DATED OCTOBER 6, 2022 AND A BATHYMETRIC SURVEY BY SAME DATED JULY 6, 2021.
- TEMPORARY SHEET PILE WALL TO BE DESIGNED BY CONTRACTOR. CONTRACTOR SHALL SUBMIT SIGNED AND SEALED DRAWINGS BY AN INDIANA PE FOR APPROVAL.
- TEMPORARY IMPACT TO THE DOCK:
  - 90 LINEAR FEET SHORLINE
  - 0.01 AC
  - 1,600 CUBIC YARDS OF AGGREGATE
- TEMPORARY IMPACT TO ACCESS ROAD BELOW OHWM:
  - 80 LINEAR FEET
  - 0.05 ACRE
  - 300 CUBIC YARDS OF CUT NATIVE SOIL.



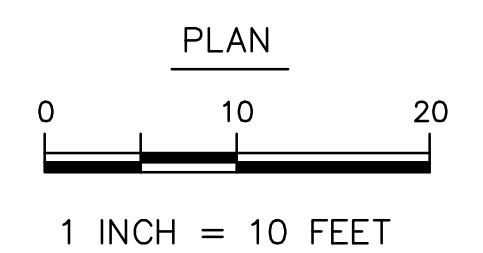
	<b>TITLE</b> TEMP. DOCK CELL ACCESS ROAD TYPICAL PLAN & PROFILE DUKE GALLAGHER DEMOLITION PERMITTING	
	<b>FOR</b> ISSUED FOR PERMIT LRL-2004-00218	
		SCALE: AS SHOWN DES: NSF DWG TYPE: AUTOCAD DFTR: TBW JOB NO: 60631211 ENGR: AGH DATE: 01/29/2024 APPD: AGH
	FILENAME: DWG SIZE: ARCH D 24.0"x36.0"	DRAWING NO. <b>FIGURE 5</b>



### Temporary Dock Alignment

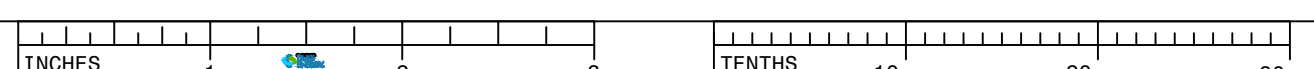


TEMPORARY DOCK/CELL DEMOLITION PROFILE



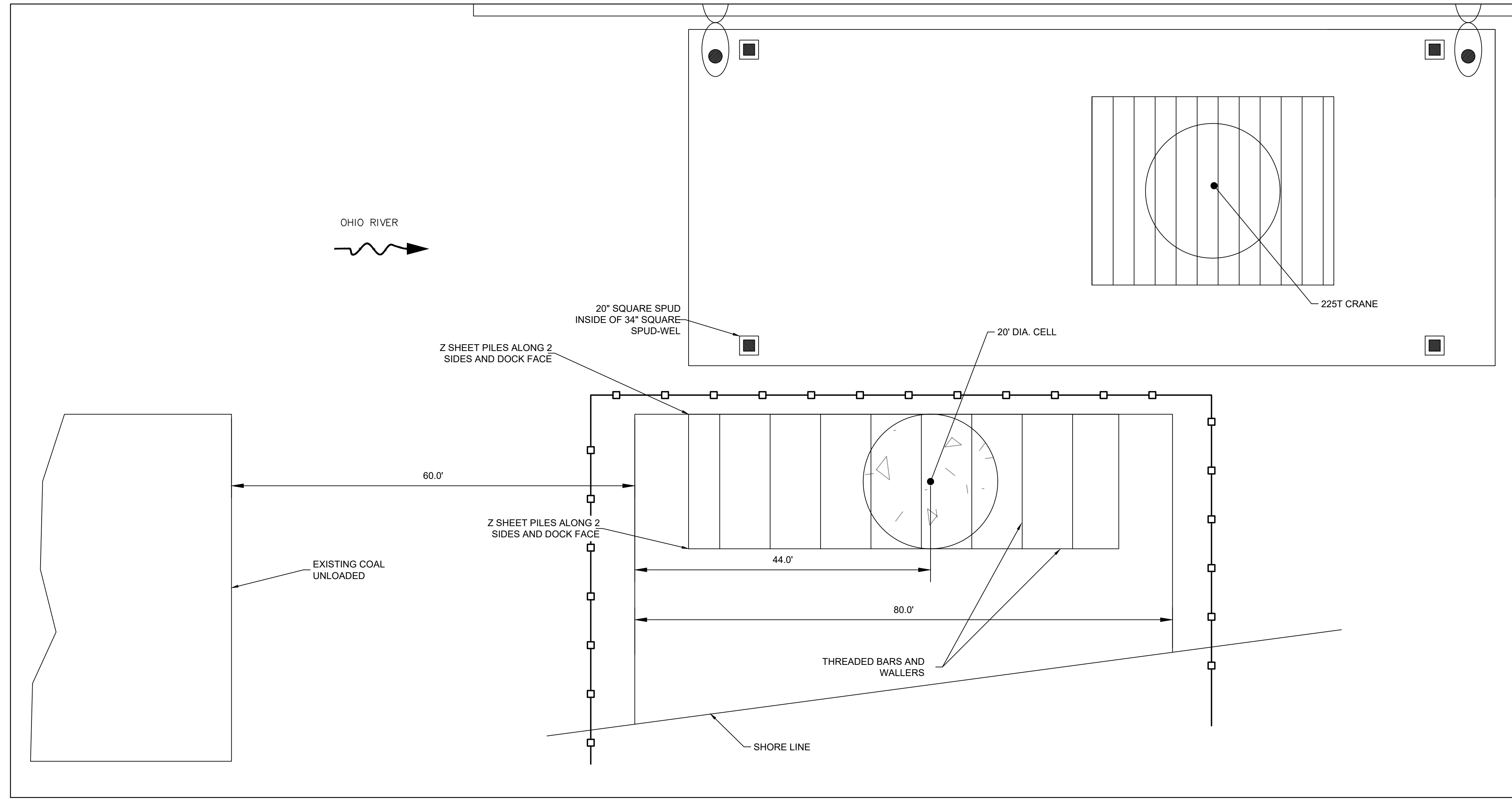
- NOTES:**
1. WORK TUGBOAT ATTENDING BARGE MOVEMENTS.
  2. TEMPORARY SHEET PILE WALL SHALL BE DESIGNED BY CONTRACTOR. CONTRACTOR SHALL SUBMIT SIGNED AND SEALED DRAWINGS BY INDIANA PE FOR APPROVAL.
  3. DEMOLITION METHODS FOR CELL AND COAL PILE UNLOADER STRUCTURES SHOWN ON THIS DRAWING ARE FOR ENVIRONMENTAL PERMITTING PURPOSES ONLY. NOT TO BE USED FOR CONSTRUCTION. AECOM HAS PROVIDED THIS INFORMATION BASED ON PROPOSED DEMOLITION METHODS PROVIDED BY THE CONTRACTOR.

	<b>TEMPORARY DOCK PROFILE</b> DUKE GALLAGHER DEMOLITION PERMITTING	
	FOR ISSUED FOR PERMIT LRL-2004-00218	
		SCALE: AS SHOWN DWG TYPE: AUTOCAD JOB NO: 60631211 DATE: 01/29/2024
	FILENAME: DWG SIZE: ARCH D 24.0"x36.0"	DRAWING NO. <b>FIGURE 6</b>

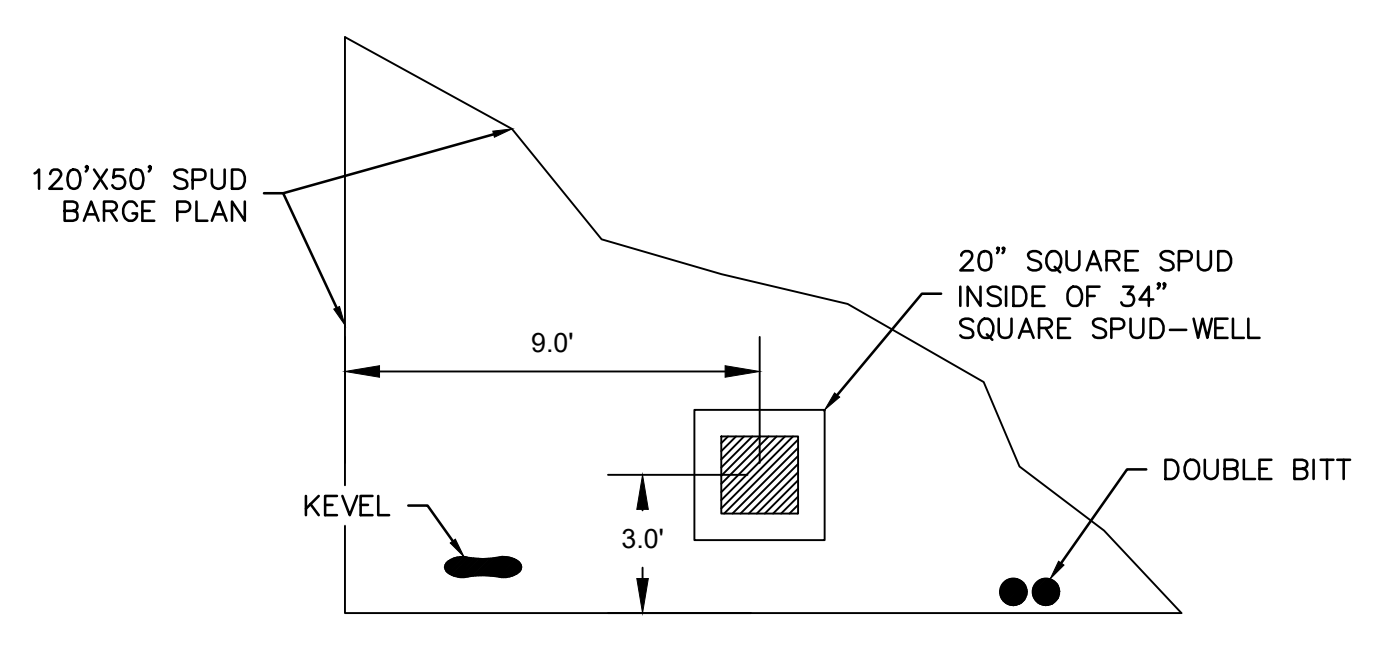


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PLAN  
0 10 20  
1 INCH = 10 FEET  
**A** TEMPORARY DOCK FOR CELL DEMOLITION DETAIL



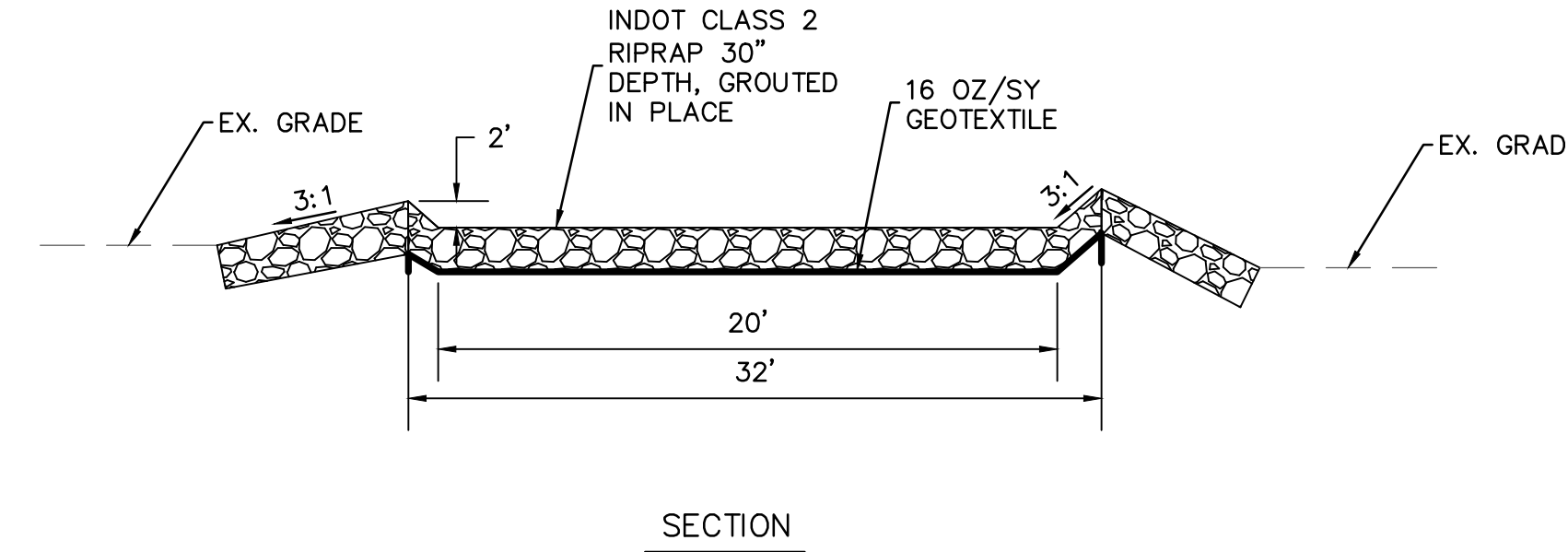
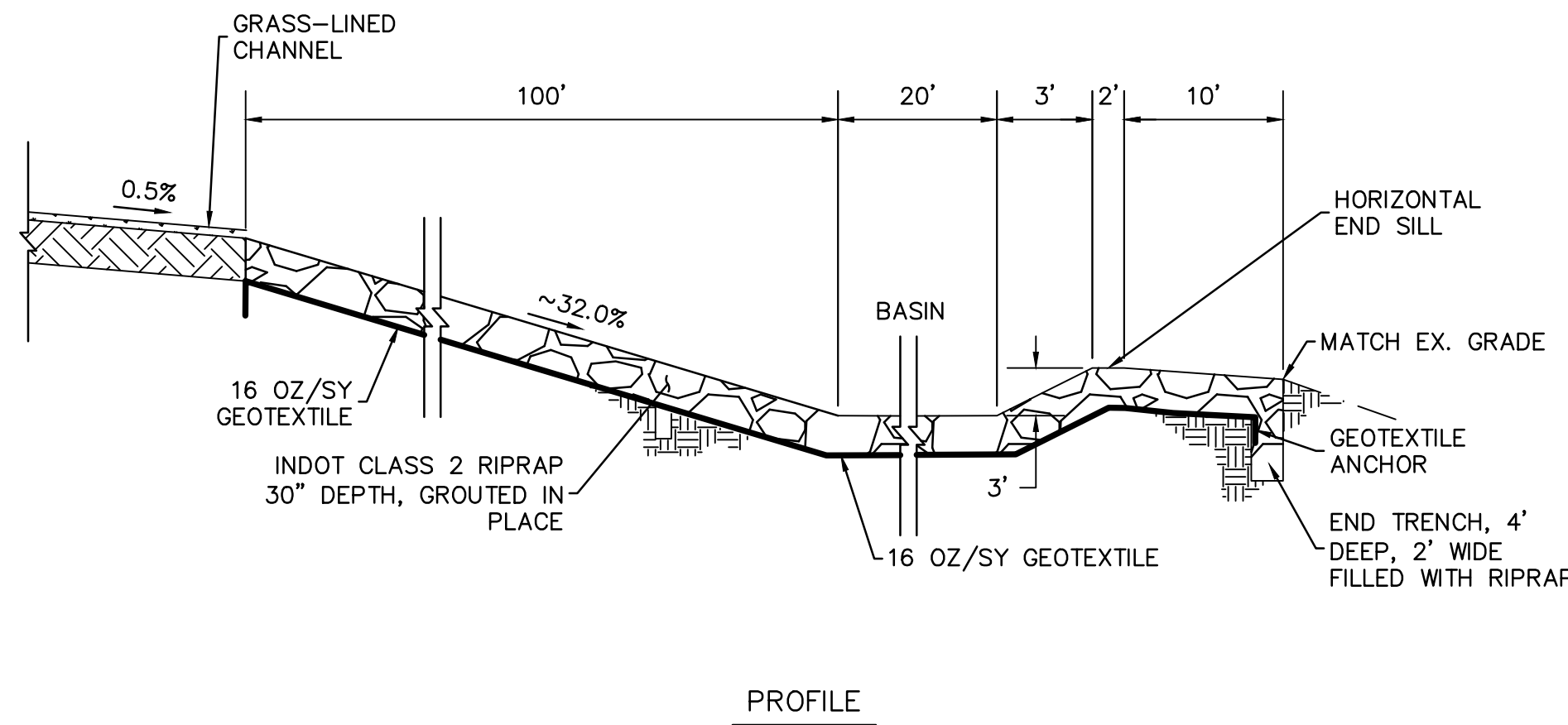
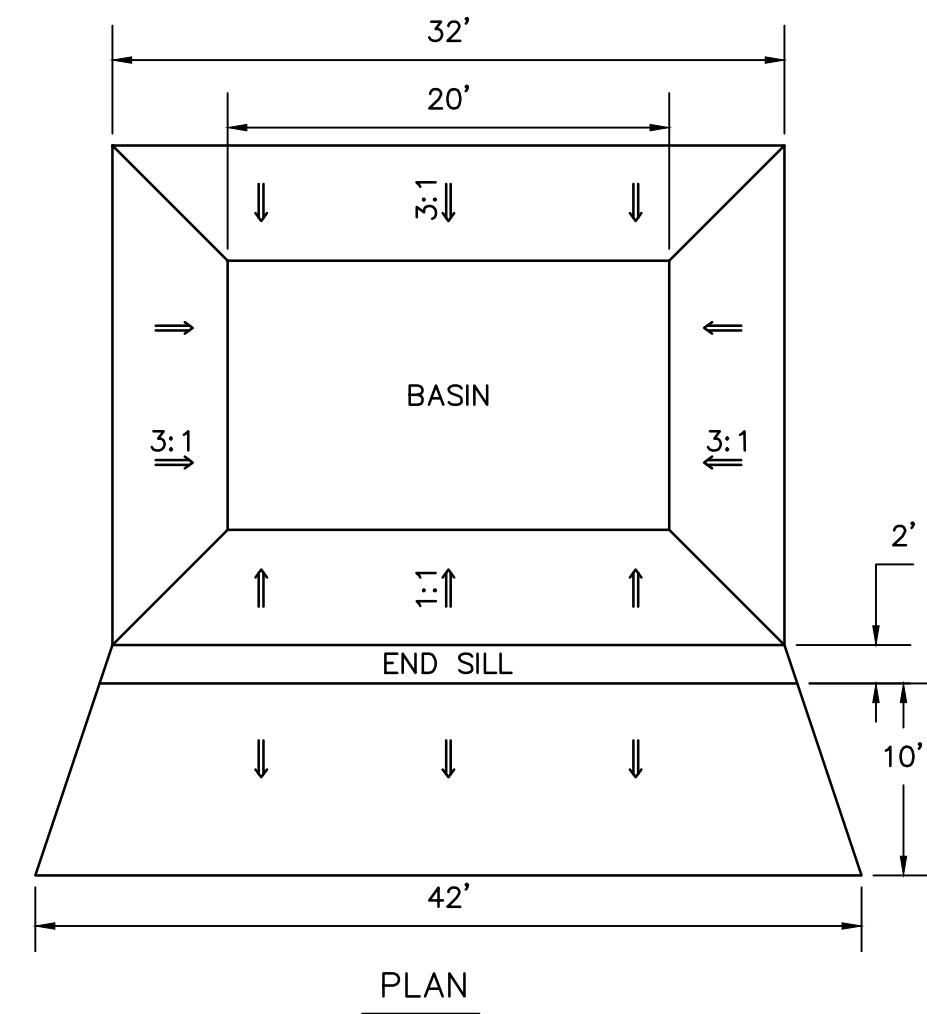
**B** SPUD WELL DETAIL  
N.T.S.

NOTE:  
1. SPUD WELLS ARE LOCATED IN THE CORNER OF THE SPUD/CRANE BARGE, TYPICAL OF 4 CORNERS.

- NOTES:**
1. WORK TUGBOAT ATTENDING BARGE MOVEMENTS.
  2. TEMPORARY SHEET PILE WALL SHALL BE DESIGNED BY CONTRACTOR. CONTRACTOR SHALL SUBMIT SIGNED AND SEALED DRAWINGS BY INDIANA PE FOR APPROVAL.
  3. DEMOLITION METHODS FOR CELL AND COAL PILE UNLOADER STRUCTURES SHOWN ON THIS DRAWING ARE FOR ENVIRONMENTAL PERMITTING PURPOSES ONLY. NOT TO BE USED FOR CONSTRUCTION. AECOM HAS PROVIDED THIS INFORMATION BASED ON PROPOSED DEMOLITION METHODS PROVIDED BY THE CONTRACTOR.

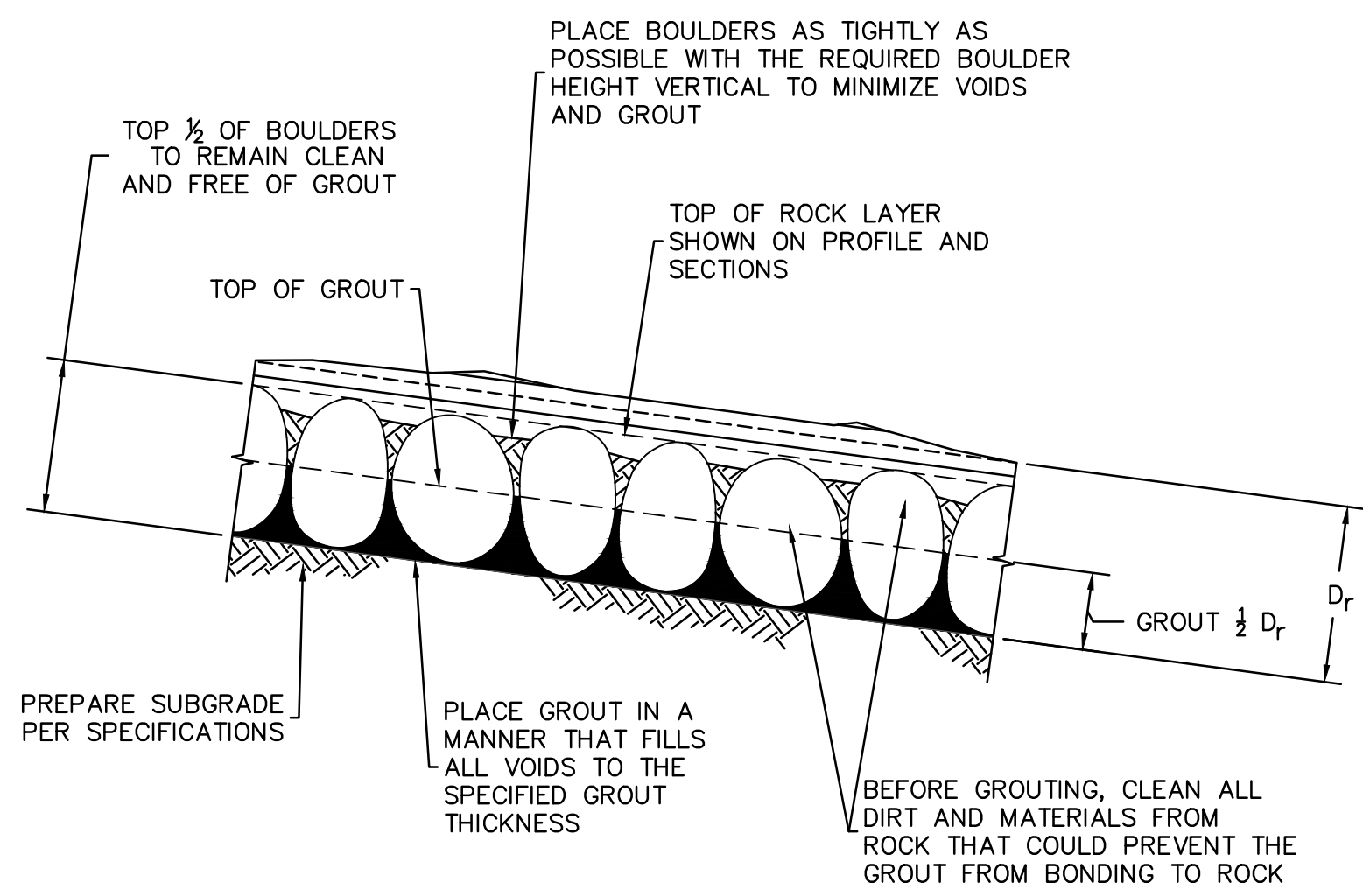
<b>AECOM</b>	TITLE		
	TEMPORARY DOCK DETAILS DUKE GALLAGHER DEMOLITION PERMITTING		
SEAL 	FOR		
	ISSUED FOR PERMIT LRL-2004-00218		
ARCH D 24.0"x36.0"	DWG SIZE	DRAWING NO.	REVISION
		FIGURE 7	0
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	DWG TYPE: AUTOCAD	DFTR: TBW	
	JOB NO: 60631211	CHKD: NSF	
	DATE: 01/29/2024	ENGR: AGH	
	APPD: AGH		





**C** GROUTED RIPRAP OUTLET DETAIL  
N.T.S.

- NOTE:
1. ALL RIPRAP TO BE GROUTED AS SHOWN IN THE DETAIL BELOW.
  2. THE DIMENSIONS OF THE GROUTED RIPRAP OUTLET MAY NEED TO BE UPDATED BASED ON FEEDBACK FROM PERMITTING AND REGULATORY AGENCIES.



**D** GROUTED RIPRAP PLACEMENT  
N.T.S.

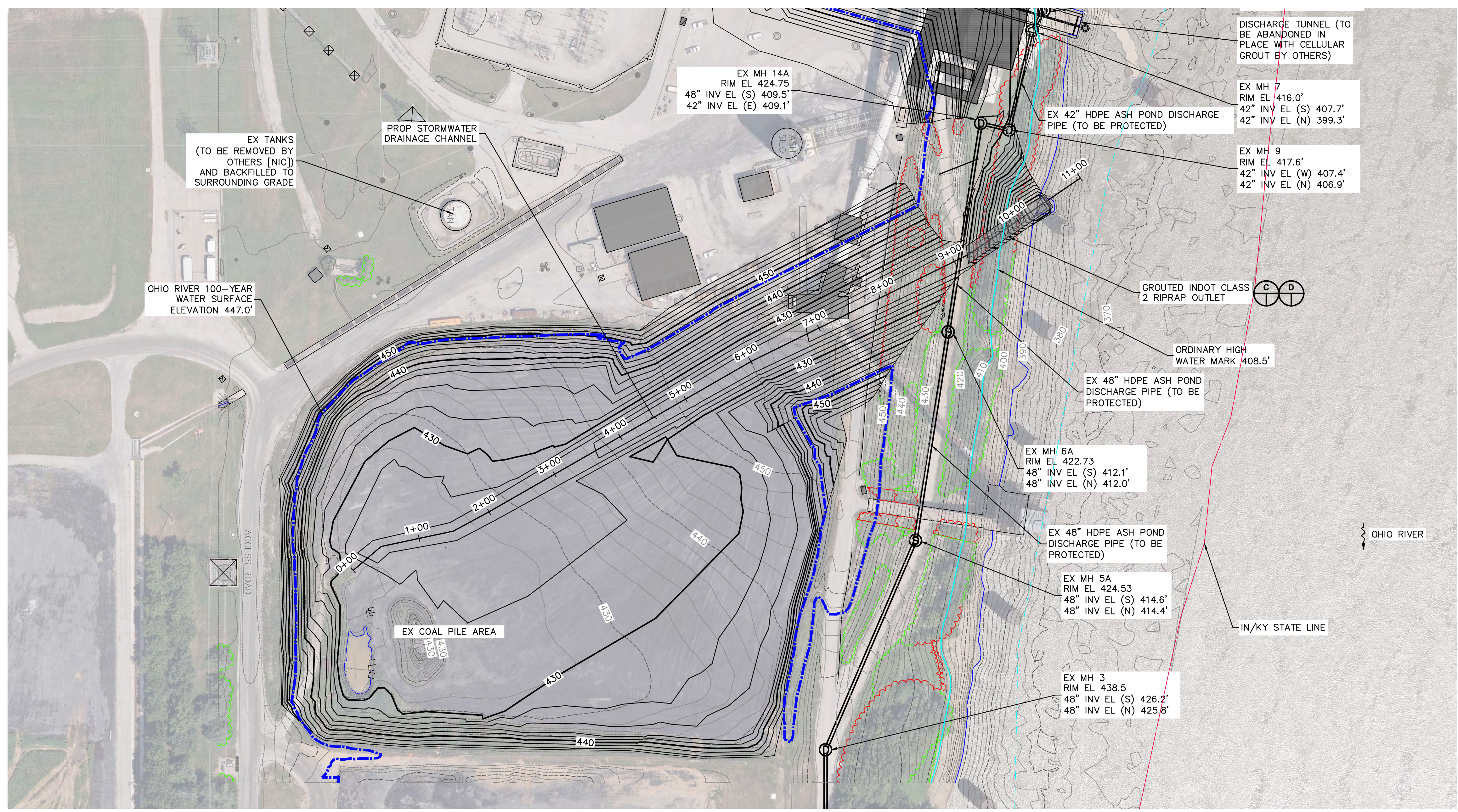
- NOTES:
1. RIPRAP DOES NOT NEED TO BE COVERED WITH FILL.
  2. RIPRAP TO BE EXPOSED 6 INCHES ABOVE THE GROUT LINE ALONG THE ENTIRE INSTALLATION.

<b>AECOM</b>	TITLE STORMWATER CHANNEL OUTLET DETAILS DUKE GALLAGHER DEMOLITION PERMITTING		
	FOR ISSUED FOR PERMIT LRL-2004-00218		
		SCALE: AS SHOWN	DES: NSF
	DWG TYPE: AUTOCAD JOB NO: 60631211 DATE: 01/29/2024	DFTR: TBW	CHKD: NSF
FILENAME: DWG SIZE: ARCH D 24.0"x36.0"	DRAWING NO. <b>FIGURE 9</b>		REVISION <b>0</b>



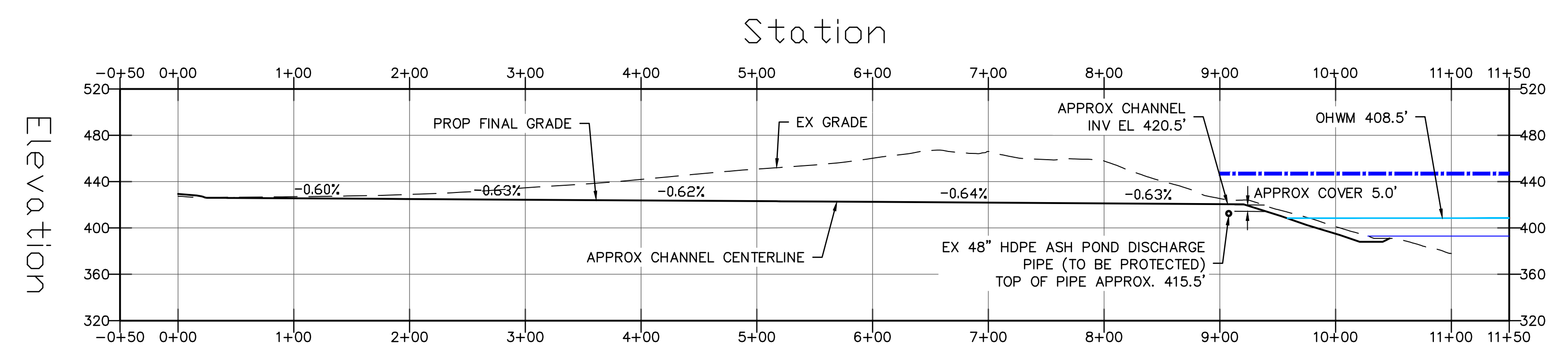
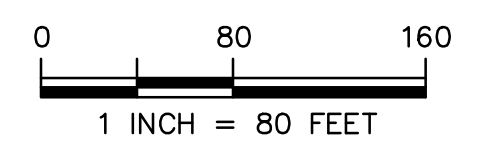
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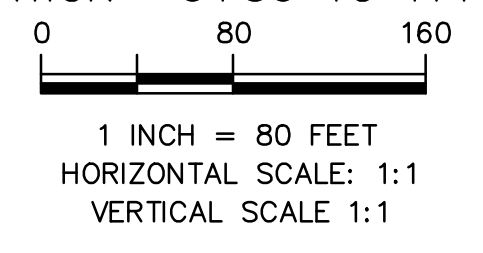


- LEGEND**
- OHIO RIVER NORMAL WATER SURFACE ELEVATION
  - OHIO RIVER 100-YEAR WATER SURFACE ELEVATION
  - PROP MINOR CONTOUR INTERVAL
  - PROP MAJOR CONTOUR INTERVAL
  - EX MINOR CONTOUR INTERVAL
  - EX MAJOR CONTOUR INTERVAL
  - EX GRADE
  - PROP FINAL GRADE (MAX 3:1 SLOPE, MIN 1% SLOPE)
  - PROP GROUDED INDOT CLASS 2 RIPRAP
  - EX VEGETATION/TREES TO REMAIN AND NOT BE IMPACTED
  - EX VEGETATION/TREES TO BE REMOVED AND REPLACED IN KIND
  - ORDINARY HIGH WATER MARK ELEV. 408.5
- NOTES:**
- EXISTING 48" AND 42" HDPE ASH POND DISCHARGE PIPELINE AND ALL ASSOCIATED MANHOLES AND APPURTENANCES ARE TO BE PROTECTED AND NOT IMPACTED DURING ANY OF THE PROPOSED GRADING ACTIVITIES. ALL EXCAVATION NEAR THE PIPELINE SHALL BE COMPLETED VIA HYDRO EXCAVATION OR OTHER MEANS APPROVED BY OWNER OR ENGINEER TO AVOID DAMAGING THE PIPELINE.
  - MOST BUILDINGS AND STRUCTURES IN THE PROJECT AREA WILL BE DEMOLISHED/REMOVED BY OTHERS PRIOR TO THE START OF THIS WORK. THEIR APPROXIMATE FOOTPRINTS PRIOR TO DEMOLITION/REMOVAL ARE SHOWN FOR REFERENCE ONLY.
  - EXISTING GRADES SHOWN HEREIN ARE BASED ON PHOTOGRAMMETRIC METHODS FROM AERIAL PHOTOGRAPHY BY KUCERA INTERNATIONAL, INC. ON JULY 24, 2019. EXISTING TOPOGRAPHY IN THE COAL PILE AREA MAY NOT REFLECT THE CURRENT CONDITIONS IN THE FIELD SINCE COAL HAS BEEN REMOVED. CURRENT CONDITIONS IN THE COAL PILE MORE CLOSELY MATCH THE PROPOSED FINAL GRADING WITHOUT THE STORMWATER CHANNEL GRADED IN.
  - FINAL GRADES AFTER REMOVAL OF COAL MATERIAL SHALL PROVIDE POSITIVE DRAINAGE FROM TOE OF SLOPES TO PROPOSED STORMWATER CHANNEL.
  - ONCE ALL COAL MATERIALS ARE REMOVED, THE ENTIRE COAL PILE AREA WILL BE REGRADED SUCH THAT THE FINAL GRADES HAVE A MAXIMUM SLOPE OF 3(H):1(V) AND A MINIMUM SLOPE OF 1%. NOT ALL REQUIRED FINAL GRADING IS INDICATED ON THIS SHEET. SEE ADDITIONAL INFORMATION ON SHEETS 16 TO 17.
  - UNLESS OTHERWISE DIRECTED BY ENGINEER, FILL SHALL ONLY BE PLACED IN AREAS THAT DO NOT MEET THE SLOPE CRITERIA LISTED IN NOTE 4. FILL PLACED IN EXCESS OF THAT WHICH IS CONSIDERED NECESSARY BY THE ENGINEER WILL BE AT SUBCONTRACTOR'S EXPENSE
  - ALL SOIL FILL REQUIRED TO ACCOMPLISH FINAL GRADING SHALL COME FROM ONSITE SOURCES WITHIN AND AROUND THE IMMEDIATE PERIMETER OF THE LIMITS OF DISTURBANCE. LOCATIONS TO BE APPROVED BY OWNER.
  - STORMWATER CHANNEL IMPACTS BELOW OHWM:
    - 100 LINEAR FEET
    - 0.07 ACRE
    - 250 CUBIC YARDS OF DREDGE NATIVE SOILS
    - 200 CUBIC YARDS FILL OF GROUDED RIPRAP

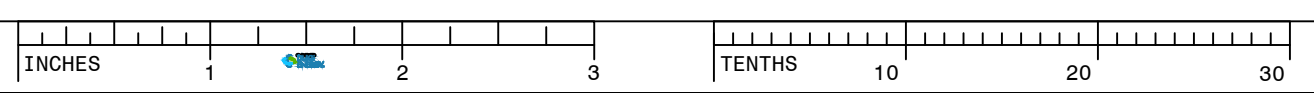
STORMWATER DRAINAGE CHANNEL  
STATION 0+00 TO 11+00



STORMWATER DRAINAGE CHANNEL PROFILE  
STATION -0+50 TO 11+50



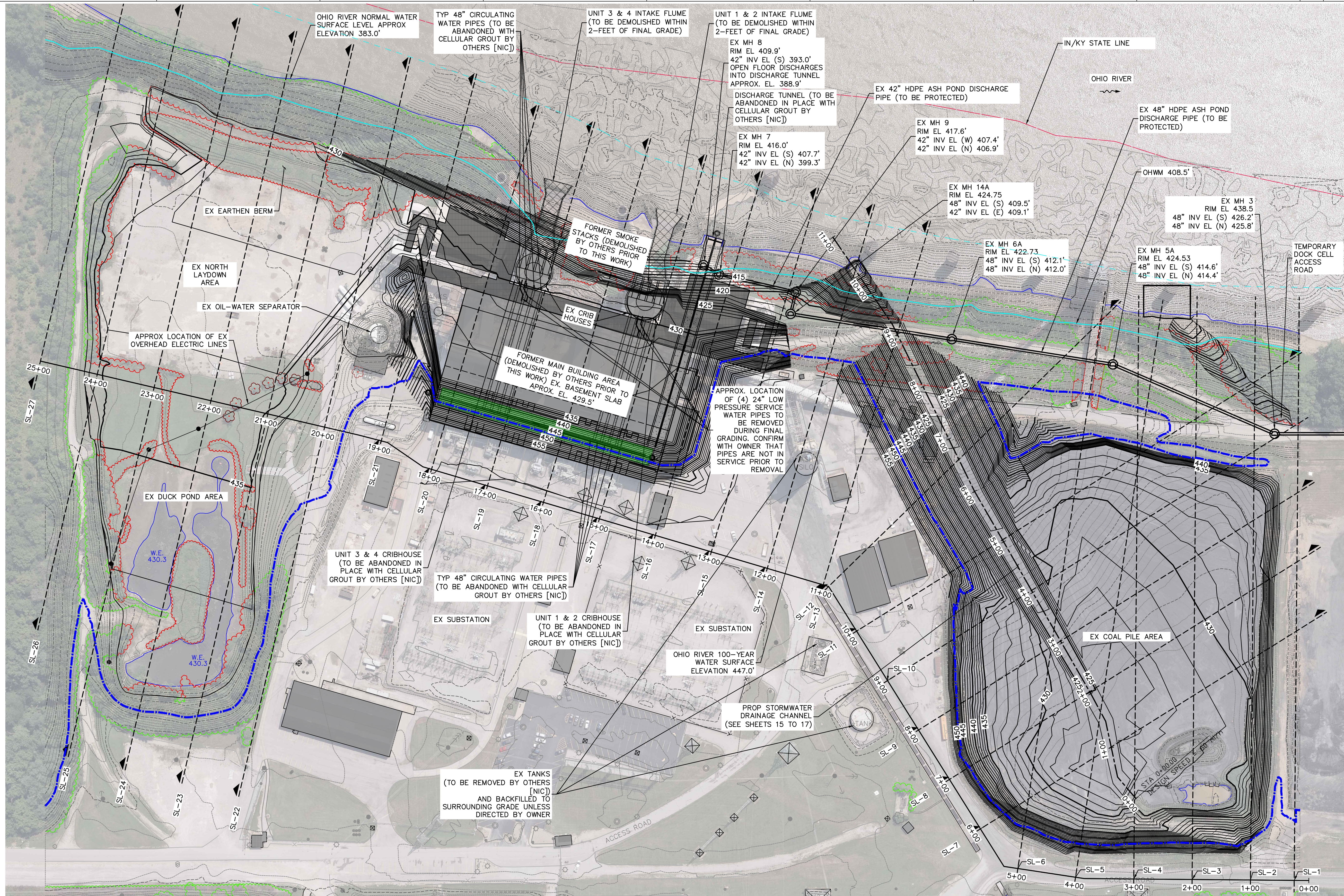
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FOR ISSUED FOR PERMIT LRL-2004-00218		SCALE: AS SHOWN DES: NSF DWG TYPE: AUTOCAD DFT: TBW JOB NO: 60631211 CHKD: NSF DATE: 01/29/2024 ENGR: AGH APPD: AGH	
SEAL 	DUKE ENERGY	FILENAME: DWG SIZE: ARCH D 24.0"x36.0"	DRAWING NO. <b>FIGURE 8</b>
		REVISION <b>0</b>	



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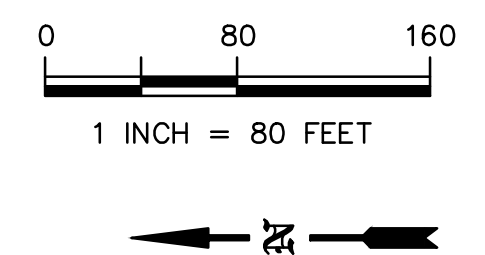




**LEGEND**

- PROP DEMOLITION/REMOVAL
- PROP CELLULAR GROUT (TO BE DONE BY OTHERS PRIOR TO THIS WORK [NIC])
- FORMER BUILDING LOCATION (DEMOLITION COMPLETED BY OTHERS PRIOR TO THIS WORK [NIC])
- FORMER STRUCTURAL STEEL STRUCTURE LOCATION (DEMOLITION COMPLETED BY OTHERS PRIOR TO THIS WORK [NIC])
- EX CONDENSER PIT
- OHIO RIVER NORMAL WATER SURFACE ELEVATION
- OHIO RIVER 100-YEAR WATER SURFACE ELEVATION
- PROP MINOR CONTOUR INTERVAL
- PROP MAJOR CONTOUR INTERVAL
- EX MINOR CONTOUR INTERVAL
- EX MAJOR CONTOUR INTERVAL
- EX VEGETATION/TREES TO REMAIN AND NOT BE IMPACTED
- EX VEGETATION/TREES TO BE REMOVED AND REPLACED IN KIND
- ORDINARY HIGH WATER MARK ELEV. 408.5

- NOTES:**
- EXISTING 48" AND 42" HDPE ASH POND DISCHARGE PIPELINE AND ALL ASSOCIATED MANHOLES AND APPURTENANCES ARE TO BE PROTECTED AND NOT IMPACTED DURING THE PROPOSED GRADING ACTIVITIES. ALL EXCAVATION NEAR THE PIPELINE SHALL BE COMPLETED VIA HYDRO EXCAVATION OR OTHER MEANS APPROVED BY OWNER OR ENGINEER TO AVOID DAMAGING THE PIPELINE.
  - MOST BUILDINGS AND STRUCTURES IN THE PROJECT AREA WILL BE DEMOLISHED/REMOVED BY OTHERS PRIOR TO THE START OF THIS WORK. THEIR APPROXIMATE FOOTPRINTS PRIOR TO DEMOLITION/REMOVAL ARE SHOWN FOR REFERENCE ONLY.
  - EXISTING GRADES SHOWN HEREIN ARE BASED ON PHOTOGRAMMETRIC METHODS FROM AERIAL PHOTOGRAPHY BY KUCERA INTERNATIONAL INC. ON JULY 24, 2019. EXISTING TOPOGRAPHY IN THE COAL PILE AREA MAY NOT REFLECT THE CURRENT CONDITIONS IN THE FIELD SINCE COAL HAS BEEN REMOVED. CURRENT CONDITIONS IN THE COAL PILE MORE CLOSELY MATCH THE PROPOSED FINAL GRADING WITHOUT THE STORMWATER CHANNEL GRADED IN.
  - FINAL GRADES AFTER REMOVAL OF COAL MATERIAL SHALL PROVIDE POSITIVE DRAINAGE FROM TOE OF SLOPES TO PROPOSED STORMWATER CHANNEL.
  - ONCE ALL COAL MATERIALS ARE REMOVED, THE ENTIRE COAL PILE AREA WILL BE REGRADED SUCH THAT THE FINAL GRADES HAVE A MAXIMUM SLOPE OF 3(H):1(V) AND A MINIMUM SLOPE OF 1%. NOT ALL REQUIRED FINAL GRADING IS INDICATED ON THIS SHEET. SEE ADDITIONAL INFORMATION ON SHEETS 15 TO 17.
  - UNLESS OTHERWISE DIRECTED BY ENGINEER, FILL SHALL ONLY BE PLACED IN AREAS THAT DO NOT MEET THE SLOPE CRITERIA LISTED IN NOTE 4. FILL PLACED IN EXCESS OF THAT WHICH IS CONSIDERED NECESSARY BY THE ENGINEER WILL BE AT SUBCONTRACTOR'S EXPENSE.
  - ALL SOIL FILL REQUIRED TO ACCOMPLISH FINAL GRADING SHALL COME FROM ONSITE SOURCES WITHIN AND AROUND THE IMMEDIATE PERIMETER OF THE LIMITS OF DISTURBANCE. LOCATIONS TO BE APPROVED BY OWNER. ALL SOILS AND CONSTRUCTION MATERIALS SHALL BE STOCKPILED IN THE CONSTRUCTION LAYDOWN AREA. REFER TO THE EROSION & SEDIMENT CONTROL PLAN FOR MORE INFORMATION.



OHIO RIVER NORMAL WATER SURFACE LEVEL APPROX ELEVATION 383.0'

TYP 48" CIRCULATING WATER PIPES (TO BE ABANDONED WITH CELLULAR GROUT BY OTHERS [NIC])

UNIT 3 & 4 INTAKE FLUME (TO BE DEMOLISHED WITHIN 2- FEET OF FINAL GRADE)

UNIT 1 & 2 INTAKE FLUME (TO BE DEMOLISHED WITHIN 2- FEET OF FINAL GRADE)

EX MH 8 RIM EL 409.9' 42" INV EL (S) 393.0' OPEN FLOOR DISCHARGES INTO DISCHARGE TUNNEL APPROX. EL. 388.9'

DISCHARGE TUNNEL (TO BE ABANDONED IN PLACE WITH CELLULAR GROUT BY OTHERS [NIC])

EX MH 7 RIM EL 416.0' 42" INV EL (S) 407.7' 42" INV EL (N) 399.3'

EX MH 9 RIM EL 417.6' 42" INV EL (W) 407.4' 42" INV EL (N) 406.9'

EX 42" HDPE ASH POND DISCHARGE PIPE (TO BE PROTECTED)

EX 48" HDPE ASH POND DISCHARGE PIPE (TO BE PROTECTED)

OHWM 408.5'

EX MH 3 RIM EL 438.5' 48" INV EL (S) 426.2' 48" INV EL (N) 425.8'

EX MH 5A RIM EL 424.53' 48" INV EL (S) 414.6' 48" INV EL (N) 414.4'

EX MH 6A RIM EL 422.73' 48" INV EL (S) 412.1' 48" INV EL (N) 412.0'

EX MH 14A RIM EL 424.75' 48" INV EL (S) 409.5' 48" INV EL (E) 409.1'

EX EARTHEN BERM

EX NORTH LAYDOWN AREA

EX OIL-WATER SEPARATOR

APPROX LOCATION OF EX OVERHEAD ELECTRIC LINES

EX DUCK POND AREA

W.E. 430.3

W.E. 430.3

UNIT 3 & 4 CRIBHOUSE (TO BE ABANDONED IN PLACE WITH CELLULAR GROUT BY OTHERS [NIC])

TYP 48" CIRCULATING WATER PIPES (TO BE ABANDONED WITH CELLULAR GROUT BY OTHERS [NIC])

EX SUBSTATION

UNIT 1 & 2 CRIBHOUSE (TO BE ABANDONED IN PLACE WITH CELLULAR GROUT BY OTHERS [NIC])

EX SUBSTATION

OHIO RIVER 100-YEAR WATER SURFACE ELEVATION 447.0'

PROP STORMWATER DRAINAGE CHANNEL (SEE SHEETS 15 TO 17)

EX TANKS (TO BE REMOVED BY OTHERS [NIC]) AND BACKFILLED TO SURROUNDING GRADE UNLESS DIRECTED BY OWNER

FORMER SMOKE STACKS (DEMOLISHED BY OTHERS PRIOR TO THIS WORK)

FORMER MAIN BUILDING AREA (DEMOLISHED BY OTHERS PRIOR TO THIS WORK) EX BASEMENT SLAB APPROX. EL. 429.5'

APPROX. LOCATION OF (4) 24" LOW PRESSURE SERVICE WATER PIPES TO BE REMOVED DURING FINAL GRADING. CONFIRM WITH OWNER THAT PIPES ARE NOT IN SERVICE PRIOR TO REMOVAL

EX CRIB HOUSES

EX COAL PILE AREA

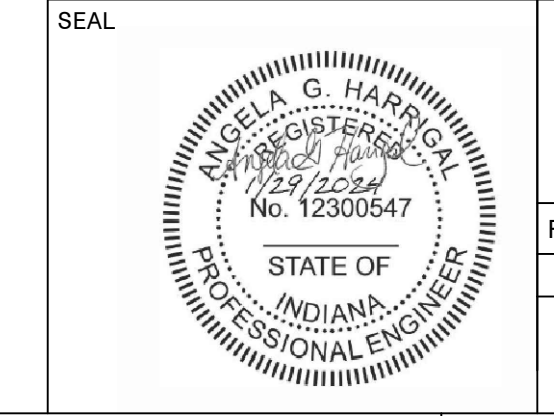
STA 0+0000 DESIGN SPEED 4.00 MPH

ACCESS ROAD



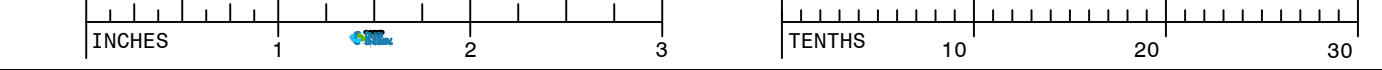
TITLE  
**PROPOSED GRADING PLAN**  
DUKE GALLAGHER DEMOLITION PERMITTING

FOR  
ISSUED FOR PERMIT LRL-2004-00218



SCALE: AS SHOWN DES: NSF  
DWG TYPE: AUTOCAD DFTR: TBW  
JOB NO: 60631211 CHKD: NSF  
DATE: 01/29/2024 ENGR: AGH  
APPD: AGH

FILENAME:  
DWG SIZE: ARCH D 24.0"x36.0"  
DRAWING NO.  
REVISION  
**FIGURE 10**  
**0**



GLS\_C999.001.004

REV. 0



Attachment D

PHOTOGRAPHIC RECORD

**Client Name:**  
Duke Energy

**Site Location:**  
Gallagher Station Demolition Project - Phase 2

**Project No.**  
60657455

<b>Photo No.</b> 4368	<b>Date:</b> 5/14/2021
<b>Description:</b>  Former Coal Pile and Sediment basin  Facing Southwest	



<b>Photo No.</b> 4664	<b>Date:</b> 5/14/2021
<b>Description:</b>  Former Coal Pile and Sediment basin  Facing North	





Attachment D

PHOTOGRAPHIC RECORD

**Client Name:**  
Duke Energy

**Site Location:**  
Gallagher Station Demolition Project - Phase 2

**Project No.**  
60657455

<b>Photo No.</b> 4349	<b>Date:</b> 5/14/2021
<b>Description:</b> Intake Structures on the Ohio Riverbank and Dock cells located within the Ohio River  Facing South	



<b>Photo No.</b> 4356	<b>Date:</b> 5/14/2021
<b>Description:</b> Ohio River and dock cell  Facing Downstream	





Attachment D

PHOTOGRAPHIC RECORD

**Client Name:**  
Duke Energy

**Site Location:**  
Gallagher Station Demolition Project - Phase 2

**Project No.**  
60657455

**Photo No.**  
4358

**Date:**  
5/14/2021

**Description:**

In between stacks at the Ohio Riverbank looking at the intake structure.

Facing North



**Photo No.**  
4370

**Date:**  
5/14/2021

**Description:**

Temporary Access Road to furthest downstream dock cells

Facing North

