

**INDIANA DEPARTMENT OF ADMINISTRATION**  
**PUBLIC WORKS PROJECT NUMBER ENG2402889284**  
**NASBY DAM REHABILITATION**  
**PIGEON RIVER FISH & WILDLIFE AREA**

**Addendum No. 1**

**Issue Date: Tuesday, January 16, 2024    Bid Date: January 23, 2024**

The purpose of this Addendum is to make changes, additions, deletions, revisions and clarifications to the bid documents for the solicitation referenced above. Bidder shall review the Addendum requirements in detail and incorporate any effect the Addendum may have in their quote price.

This Addendum consists of:

1. Clarification – Project Number is **ENG2402889284**
2. Pre-bid Meeting notes and sign-in sheet
3. Two (2) Replacement plan sheets – page 2 of 22 and page 3 of 22
4. Replacement sheet in detailed specifications – DS-10 (Work Item 4 – Dewatering & Protection of Existing Structures).



**IDNR / IDOA**  
**Public Works Project No. ENG2402889284**  
**Nasby Dam Repairs – Pigeon River Fish and Wildlife Area**  
**LaGrange County, IN**

**Pre-Bid Meeting**  
**Tuesday, January 9, 2024 at 11:00 a.m.**

**MINUTES**

- 1. Introductions and Sign-In**
  - a. See attached sign-in sheet.
- 2. Project Overview**
  - a. Project consists of rehabilitation of the dam spillway along with steel sheet piling along the embankment and overtopping protection (flexamat) on the downstream side.
- 3. Bidding / Contract**
  - a. **Bids due January 23, 2024 until 1:31 p.m. (Indianapolis Time)**
  - b. **Email bids to: [publicworksbids@idoa.in.gov](mailto:publicworksbids@idoa.in.gov)**
    - Make sure all required forms are included in the package so the bid is not rejected. This includes, but is not limited to the MBE/WBE/IVOSB form and drug-free workplace forms.
    - Contractors are required to be pre-qualified by the Indiana Dept. of Administration Public Works Certification Board in the following classifications: 1622.01 – Gen Constr-Brdgs, vdcts, elevd hwys, rlwy, tnls, or 1629.03 – Dam and Dike Construction
- 4. Construction Plans / Specifications Overview**
  - a. Trees must be cleared prior to April 1 due to restrictions with the endangered Indiana bat.
  - b. A drawdown of the impoundment will be allowed no more than 2 feet below the spillway crest to accommodate construction activities. (After the pre-bid meeting the IDNR Construction in a Floodway permit was issued indicating the drawdown shall be done after April 15 and refilled before October 15 to avoid impacting hibernating Massasauga rattlesnakes and other herpetofauna.)
  - c. Staging area is shown on the plans and access road must be improved per the plans. (After the pre-bid meeting the IDNR Construction in a Floodway permit was issued requiring the installation of entranced silt fencing on either side of



the access lane to prevent Massasauga Rattlesnakes and other wildlife from entering the work zone. Conduct visual searches immediately before any silt fencing material is installed to prevent snakes from being run over. Extend the silt fencing from the existing access lane to the workspace at the dam, and encircle the workspace as is practicable.)

- d. Geotechnical engineer required to be onsite to witness sheet pile installation and unsuitable soil removal.

**5. Contractor Questions**

- a. Is there an area nearby to bring spoils? IDNR indicated an old gravel pit on the corner of C.R. 600E and 400N where spoils and woody debris can be disposed.
- b. Will alternatives to the types of steel sheet piles be considered? Yes, but it must be submitted to Engineer for review and approval. It must meet the requirements of the plans and specifications and the contractor is at risk if the alternative is not ultimately approved.
- c. Could a temporary causeway be constructed on the southern, downstream side? Temporary causeways are typically permitted, but need to be approved in advance with the permitting agencies. The contractor would need to submit their plan to the Engineer/Owner for coordination and approval with the permitting agencies.

**6. IDNR Additional Comments**

- a. Additional questions should be submitted by 12:00 pm eastern standard time on Friday, January 12, 2024. Any addenda will be issued 7 days prior to the bid date.

**7. LFA Additional Comments**

- a. None

**8. Adjournment**



**IDNR / IDOA**  
**Public Works Project No. ENG2402889284**  
**Nasby Dam Repairs – Pigeon River Fish and Wildlife Area**  
**LaGrange County, IN**

Pre-Bid Meeting  
 Tuesday, January 9, 2024 at 11:00 a.m.

**SIGN-IN**

Name	Organization	E-Mail	Phone
Brad Jutek	Jutek Excavating, Inc.	office@jutekexc.com	419-855-8944
Kevin Siedlich	LFA	ksiedlich@lawson-fisher.in	812-378-3167
MARK FOSTER	LFA	mfooster@lawson-fisher.com	" "
RICHARD VUCKSON	R. L. VUCKSON	RLVX@AOL.COM	812-5254265
Jomary Baller	DNR	jballer@dnr.IN.gov	317-234-8781
DAVID NANCE	DNR	dnance@dnr.IN.gov	317-234-1117
Miky Manion	DNR	MManion@dnr.IN.gov	317-670-8250
Kellin Cripe	E J Prescott	Kellin.cripe@ejprescott.com	765 430 0350
Savanna Vaughn	DNR	svaughn2@dnr.in.gov	260-367-2164
Josh Graves	Bower Engineering	jgraves@bowerengineering.com	317-220-5348



**IDNR / IDOA**  
**Public Works Project No. ENG2402889284**  
**Nasby Dam Repairs – Pigeon River Fish and Wildlife Area**  
**LaGrange County, IN**

**Pre-Bid Meeting**  
**Tuesday, January 9, 2024 at 11:00 a.m.**

**SIGN-IN**

<b>Name</b>	<b>Organization</b>	<b>E-Mail</b>	<b>Phone</b>
Brad Jutte	Jutte Excavating, Inc.	<a href="mailto:office@jutteexc.com">office@jutteexc.com</a>	419-852-8944
Kevin Siedlecki	Lawson-Fisher	<a href="mailto:ksiedlecki@lawson-fisher.com">ksiedlecki@lawson-fisher.com</a>	574-234-3167
Mark Foster	Lawson-Fisher	<a href="mailto:mfoster@lawson-fisher.com">mfoster@lawson-fisher.com</a>	574-234-3167
Richard Vuckson	R.L. Vuckson	<a href="mailto:rlvx@aol.com">rlvx@aol.com</a>	812-525-4265
Jomary Baller	IDNR	<a href="mailto:jballer@dnr.in.gov">jballer@dnr.in.gov</a>	317-234-8731
David Nance	IDNR	<a href="mailto:dnance@dnr.in.gov">dnance@dnr.in.gov</a>	317-234-1111
Mike Manion	IDNR	<a href="mailto:mmanion@dnr.in.gov">mmanion@dnr.in.gov</a>	317-670-8250
Kellin Cripe	EJ Prescott	<a href="mailto:Kellin.cripe@ejprescott.com">Kellin.cripe@ejprescott.com</a>	765-430-0350
Savanna Vaughn	IDNR	<a href="mailto:svaughn2@dnr.in.gov">svaughn2@dnr.in.gov</a>	260-367-2164
Josh Graves	Bowen Engineering	<a href="mailto:jgraves@bowenengineering.com">jgraves@bowenengineering.com</a>	317-220-5948

**PROPOSED CONSTRUCTION SEQUENCING**












- Clearing and construction of temporary access roads and staging areas as required.
- Begin dewatering. Contractor is allowed to lower the impoundment no more than two feet below the crest elevation of the labyrinth weir spillway to perform construction activities. The impoundment shall not be lowered below elevation 887.5 feet (NAVD 88).  

1 The drawdown of the impoundment shall be done after April 15 and refilled before October 15 to avoid impacting hibernating Massasauga rattlesnakes and other herpeto fauna.
- Tree removal shall occur prior to April 1 or after September 30 due to restrictions with the Indiana Bat. Tree stumps and root balls shall not be removed until the embankment restoration occurs, and after the installation of sheet piles.
- Install sheet piling along the southern and northern embankments, and at downstream side of the spillway outlet as shown on plans.
- Repair weir structure as per plans and as approved by the Engineer/Owner.
- Construct proposed retaining walls as per plans.
- Grade the embankments and install the flexamat embankment reinforcement as per plans and cross sections. Subgrade shall be prepared in accordance with the specifications, including seeding. Note the area of poor soils removal (undercutting) along the toe of the northern embankment to be replaced with clean sand fill. Dewatering of a portion of the toe for the placement of fill in the undercut area will not be allowed unless otherwise approved in writing by the Engineer/Owner. Refer to Work Item 4 of the Detailed Specifications.
- Complete concrete restoration and construction as noted on the plans. These activities may be completed concurrently with the embankment restoration at the discretion of the Contractor.
- Place topsoil and seed along all disturbed areas, including the Flexamat embankment.
- Complete any other work described on the plans and specifications.
- Any deviation from this sequence shall be approved by the Owner or their designated representative.



**GENERAL NOTES:**

- These construction documents do not guarantee that all existing utilities are depicted.
- The Contractor shall locate all underground utilities and shall coordinate with the Engineer and Owner for any utility relocation if required prior to starting work.
- Any damage to access roads, bridges, private or public property, and to existing structure (not specified to be altered) by the Contractor during construction shall be repaired at the expense of the Contractor.
- The Contractor shall conduct check surveys on each aspect of the work as provided in the specifications before construction. The results of the check surveys may affect the quantities.
- If any errors become apparent, they shall be brought to the attention of the engineer prior to construction so that clarification or redesign may occur.
- Contractor shall power wash all equipment upon arriving on site in order to decrease the spread of any invasive species.
- Contractor shall clear tree branches to a height of 12-feet above ground level along the proposed path.
- Contractor shall not remove trees between April 1 and September 30 due to date restrictions with the endangered Indiana bat species unless otherwise permitted by the permitting agency.
- Contractor shall seed and mulch all disturbed areas within the construction limits unless noted otherwise.
- The Contractor shall submit a dewatering/diversion/water management plan to the Owner prior to starting construction.

**EXISTING FEATURES LEGEND:**

-  Benchmark
-  Soil Boring
-  Control Point
-  Sign - Single Post
-  Sign - Double Post
-  Deciduous Tree
-  Stump
-  Post
-  Pipe Invert
-  Ordinary High Water Mark
-  Water Surface Elevation

**EROSION CONTROL LINETYPES**

-  Silt Fence
-  Turbidity Curtain

**MISCELLANEOUS LINES**

-  Tree/Vegetation Line
-  Centerline of Ditch
-  Ex. Wetlands

**SURVEY NOTES:**

- Unless noted otherwise, all coordinates shown hereon are based upon the Indiana State Plane Coordinate System's East Zone (InSPC-1301) per North American Datum 1983 NAD 83 (97) AKA NAD 83 High Accuracy Reference Network (HARN) as established by the Indiana Department of Natural Resources (IDNR) on the National Geodetic Survey (NGS) control monuments Brighton and Wall; and IDNR control point 3 (IDNR3). IDNR3 was set by IDNR for the Nasby Millpond project dated 27 April 2000. All coordinates are reported in U.S. Survey Feet and decimal parts thereof.
- Unless noted otherwise, all elevations shown hereon are based upon the North American Vertical Datum of 1988 (NAVD 88) as established by IDNR on control point IDNR3.
- This project is located in Section 1, Township 37N, Range 10E, Bloomfield Township of Lagrange Co., Indiana
- The horizontal datum was verified by Global Navigation Satellite Systems (GNSS) Real Time Kinematic (RTK) observations on NGS control monuments Brighton and Wall; and IDNR control point IDNR3. A Trimble R10 (3mm // 8mm+1ppm RMS) GNSS receiver was used. The Trimble Virtual Reference Station (VRS) Network was utilized as the correction source.
- Horizontal control points 1 & 2 were established with a Trimble R10 (3mm // 8mm+1ppm RMS) GNSS receiver. The GNSS observation class was RTK and utilized the Trimble VRS network as the correction source. A minimum of three separate GNSS (RTK/VRS) observations, an average of 266 epochs each, were simple mean averaged to establish the horizontal coordinate values. Horizontal control point 3 was shot trigonometrically using a Trimble S6 total station (3" ±0.01ft+2ppm) occupying CP2 and backsighting CP1.
- GNSS (RTK) observations using the VRS network via a Trimble R10 (3mm // 8mm+1ppm RMS) GNSS receiver was used to verify the vertical datum on IDNR control point IDNR3; elevation 894.44.
- A closed differential level circuit was completed with a Trimble DiNi (0.7mm/km) digital level to establish the temporary bench mark and control point elevations. The IDNR established elevation of IDNR3; elevation 894.44, was used as the father bench mark for this project. All control points and temporary bench marks were leveled.
- The marking of underground utilities was requested through Indiana 811 under ticket number 2104052987. All utilities were marked as clear from the project area.
- The topographic survey was completed on 14 April 2021.

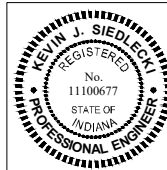
HORIZONTAL CONTROL (NAD 83 (97) - INSPC - EAST ZONE // U.S. FEET)						
ID	Northing	Easting	Latitude	Longitude	Elevation (NAVD 88)	Marker
CP1	2347816.7383	421932.9776	N41°41'36.04083"	W85°19'22.92877"	896.44	5/8" Rebar - Slightly Bent
CP2	2348255.6757	421913.7657	N41°41'40.37810"	W85°19'23.15893"	894.44	Rebar w/ Aluminum Cap - Slightly Bent
CP3	2348959.5624	422029.5144	N41°41'47.32764"	W85°19'21.59614"	894.76	1/2"x18" Rebar w/ Blue Cap Stamped 'LAWSON-FISHER'

Control point elevations are provided for reference. It should be understood that the markers used are subject to vertical movement due to frost heave, vehicle movements and other environmental factors. All horizontal control point elevations are superseded by bench mark elevations. Condition of marker is provided for context that control values from CP1 and CP2 were established on markers as found.

VERTICAL CONTROL (NAVD 88)						
ID	Elevation (NAVD 88)	Remarks	Northing	Easting	Latitude	Longitude
TBM A	893.82	Mag Spike; Set Vertically in N. Root 24" Mulberry; 207' S and 7' E of the S.E. Cor. of the S Wingwall of Nasby Dam Spillway	2348398.6	421977.2	N41°41'41.79"	W85°19'22.31"
TBM B	892.65	Cut Circle; Center of the S 2.5' Wide Wingwall of Nasby Dam Spillway	2348604.4	421950.2	N41°41'43.82"	W85°19'22.66"
TBM C	892.97	Cut Circle; Center of the N 2.5' Wingwall Wall of Nasby Dam Spillway	2348702.8	421968.9	N41°41'44.79"	W85°19'22.41"
TBM D	897.56	Mag Spike; Set Vertically in E Root 24" Oak; 285' N and 86' E of the N.W. Cor. of the N Wingwall of Nasby Dam Spillway	2348980.2	422054.4	N41°41'47.53"	W85°19'21.27"

Bench mark horizontal coordinates are provided for reference. It should be understood that the method and means used to establish the horizontal coordinates of the bench marks is not the same class and standard as those used to establish the horizontal control points. The coordinates only serve as an aid in locating the marks and are superseded by horizontal control point coordinates.

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*Kevin J. Siedlecki*  
 SIGNATURE  
 12/08/23  
 DATE

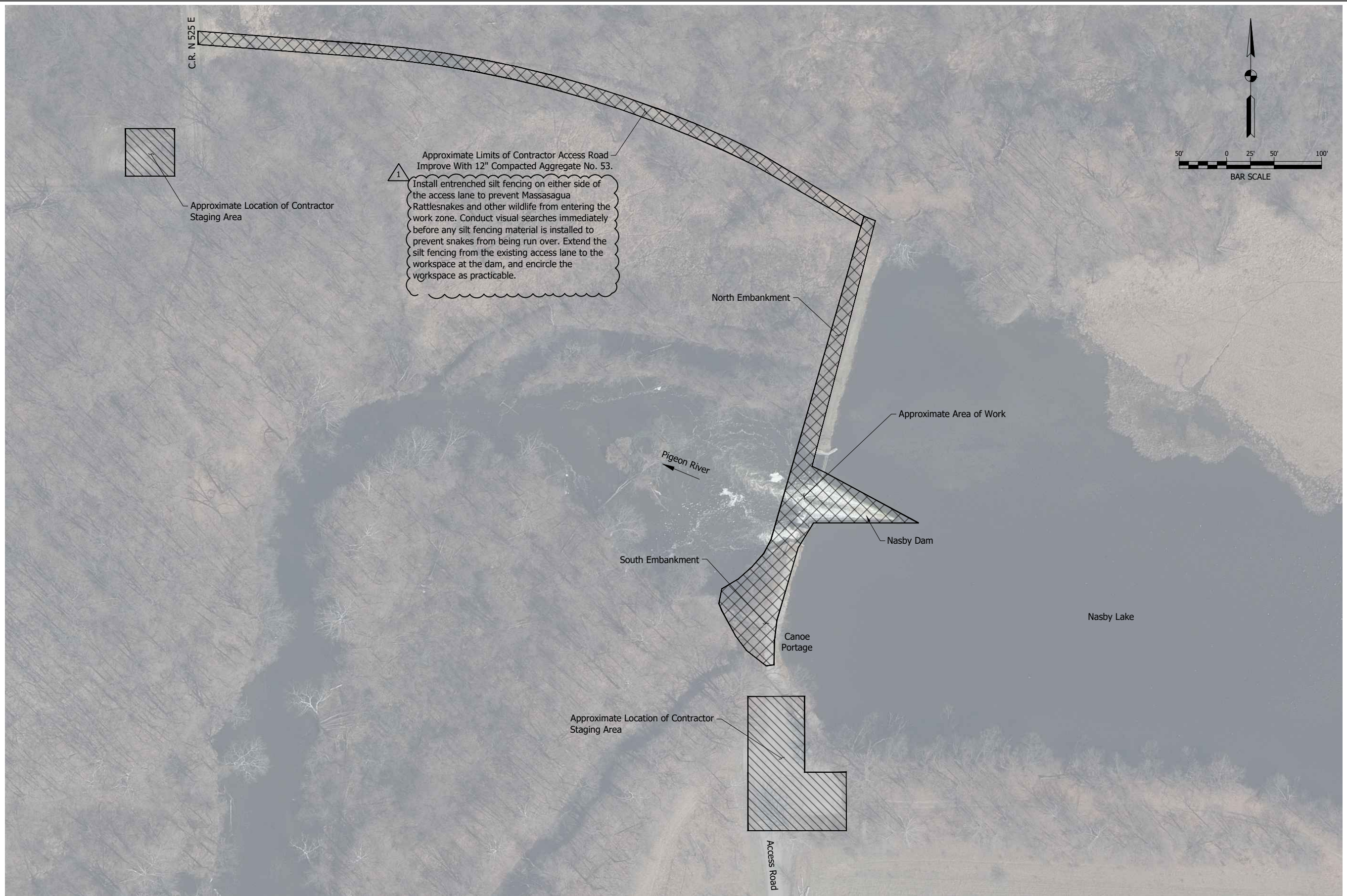
INDIANA DEPARTMENT OF  
 NATURAL RESOURCES  
 NASBY DAM REHABILITATION

GENERAL NOTES AND LEGEND

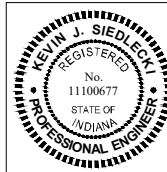
REVISIONS	HORIZONTAL SCALE	PROJECT NUMBER
1 Addendum No. 1 1/16/24	VERTICAL SCALE	202106.40
DRAWN: JAJ	SURVEY BOOK	SHEETS
CHECKED: KJS	DATE	2 OF 22
	DECEMBER 2023	



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**LFA**  
**LAWSON-FISHER ASSOCIATES P.C.**  
 525 W. WASHINGTON AVENUE  
 SOUTH BEND, INDIANA 46601  
 PH. (574) 234-3167



*Martin J. Siedlecki*  
 SIGNATURE  
 12/08/23  
 DATE

INDIANA DEPARTMENT OF  
 NATURAL RESOURCES  
 NASBY DAM REHABILITATION  
 STAGING AND SITE ACCESS

REVISIONS 1 Addendum No. 1 1/16/24	HORIZONTAL SCALE BAR SCALE VERTICAL SCALE	PROJECT NUMBER 202106.40
DRAWN: JAJ CHECKED: KJS	SURVEY BOOK DATE DECEMBER 2023	SHEETS 3 OF 22



## **WORK ITEM 4 – DEWATERING & PROTECTION OF EXISTING STRUCTURES**

### **DESCRIPTION**

The Contractor shall provide all materials, equipment and personnel necessary to complete the dewatering and protection of existing structure activities for the purposes of constructing the dam repairs shown on the project Plans. The Contractor shall construct and maintain all necessary temporary and permanent diversion and protective works; shall furnish all materials required therefore; and shall furnish, install, maintain and operate all equipment required for the removal of water from the various parts of the work and for maintaining the integrity of adjacent structures from damage and displacement or settling throughout the life of the project construction.

### **MATERIALS**

The Contractor shall be responsible for providing all materials necessary for the dewatering and protection of existing structures including diversion of flow as required to perform the work. The Contractor may divert flow by using steel sheets, sand bags or other acceptable methods that do not pollute the receiving stream.

### **CONSTRUCTION REQUIREMENTS**

The Contractor shall submit a Dewatering and Protection of Existing Structures Plan to the Owner and Engineer for review prior to beginning any work affected by the control of ground water or the diversion/retention of the stream/lake and protection of existing structures. The plan shall include drawings, calculations and descriptions as necessary to clearly describe the nature of the methods to be used by the Contractor. The plan must be prepared, signed and sealed by a professional engineer registered in the State of Indiana, who is experienced in dewatering techniques and support of structures and hydraulic loadings. The plan must be submitted, reviewed and comments addressed adequately before the start of construction. The responsible professional engineer shall supervise and monitor the installation and operation of the dewatering/protection of existing structures elements. The Contractor shall have full responsibility for the adequacy of the dewatering methods of the diversion/retention systems used, and for protection of the existing dam and associated structures.

▲ The Contractor will be allowed to artificially drawdown the Nasby Dam impoundment level to an elevation no more than two feet below the crest elevation of the existing concrete labyrinth spillway which equates to an elevation of approximately 887.5 feet (NAVD 88). **The drawdown of the impoundment shall be done after April 15 and refilled before October 15 to avoid impacting hibernating Massasauga rattlesnakes and other herpetofauna.** Water shall be diverted through the existing spillway structure, pumped, siphoned, etc. to artificially drawdown the impoundment during the construction of the work as detailed in the Contractor's Dewatering and Protection of Existing Structures Plan.

Foundations and all other parts of the construction site shall be dewatered and kept free of standing water and muddy conditions, as necessary, for the proper execution of the work. The Contractor shall install, maintain, and operate all cofferdams, channels, flumes, sumps, and other temporary diversion and protective works needed to divert flow and other surface water through and around the construction site

Control of surface water shall be continuous during the period of construction so that damage to the work shall not occur. Unless otherwise specified or approved, the diversion outlet shall be into the same drainage-way that the water would have reached if not diverted. Removal of water from the construction site shall be performed so that erosion and the transporting of sediment and other pollutants are minimized.

When temporary works used for dewatering are no longer needed, the Contractor shall remove them and return the area to a condition similar to that which existed prior to construction.