



# INDIANA DEPARTMENT OF ADMINISTRATION PUBLIC WORKS DIVISION

## PUBLIC WORKS PROJECT NO. ENG2603767100 DNR - DEAM LAKE

CLARK COUNTY, INDIANA

2026



### UTILITY NOTES

NOTE 1: All utilities depicted are at "Quality Level B" and "Quality Level C".

NOTE 2: "Quality Level B" utility locates are based on markings provided by others. There is no guarantee as to the accuracy or completeness of these markings. Existing utility depths shown on profiles and cross sections are shown for reference purposes only and are based on what may be considered standard bury depths. The exact depth of existing utilities is uncertain and should be field verified by the contractor as needed.

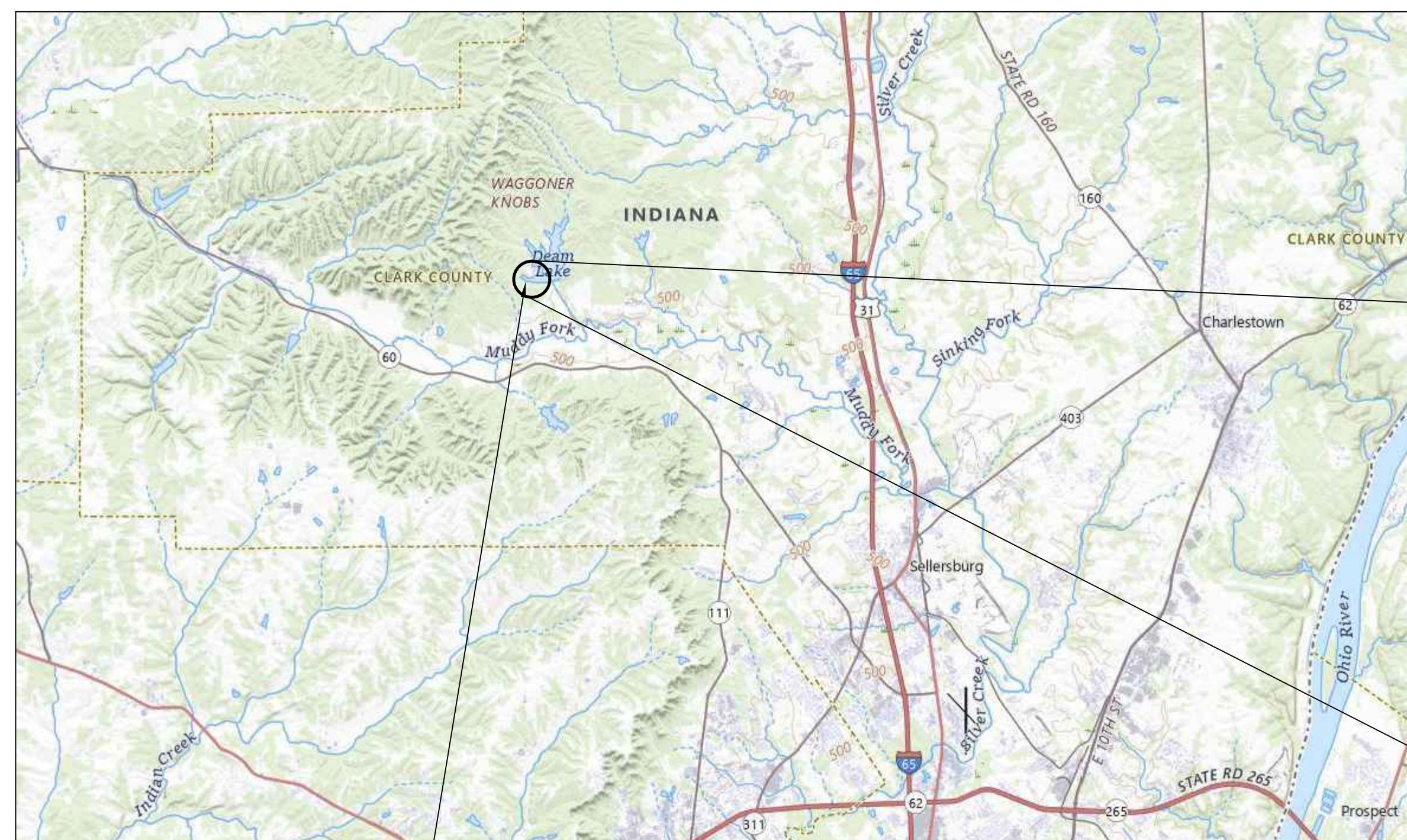
NOTE 3: "Quality Level C" utility locates are based on visible surface features which have been surveyed such as hydrants, valve boxes, meter boxes or other items related to a utility.

NOTE 4: Utility quality level designations are based on ASCE 38-02 (Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data).

### UTILITY COMPANY INFORMATION

CLARK COUNTY REMC  
7810 IN-60  
SELLERSBURG, IN 47172  
CONTACT: GRANT KALKBRENNER  
OFFICE: 812-248-7528  
CELL: 812-946-0110

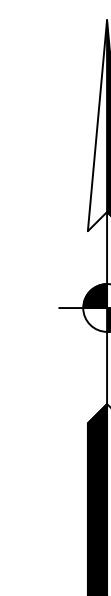
ATT DISTRIBUTION  
5858 NORTH COLLEGE AVE  
INDIANAPOLIS, IN 46220  
317-352-4007



### PROJECT LOCATION

This project A is located on Deam Lake Road approximately 1.4mi North of the intersection of Deam Lake Rd & SR 60, project B is located on Deam Lake Road approximately 2.3mi North of the intersection of Deam Lake Rd & SR 60 in Clark County, Indiana.

### NOT TO SCALE



### PLANS PREPARED BY:

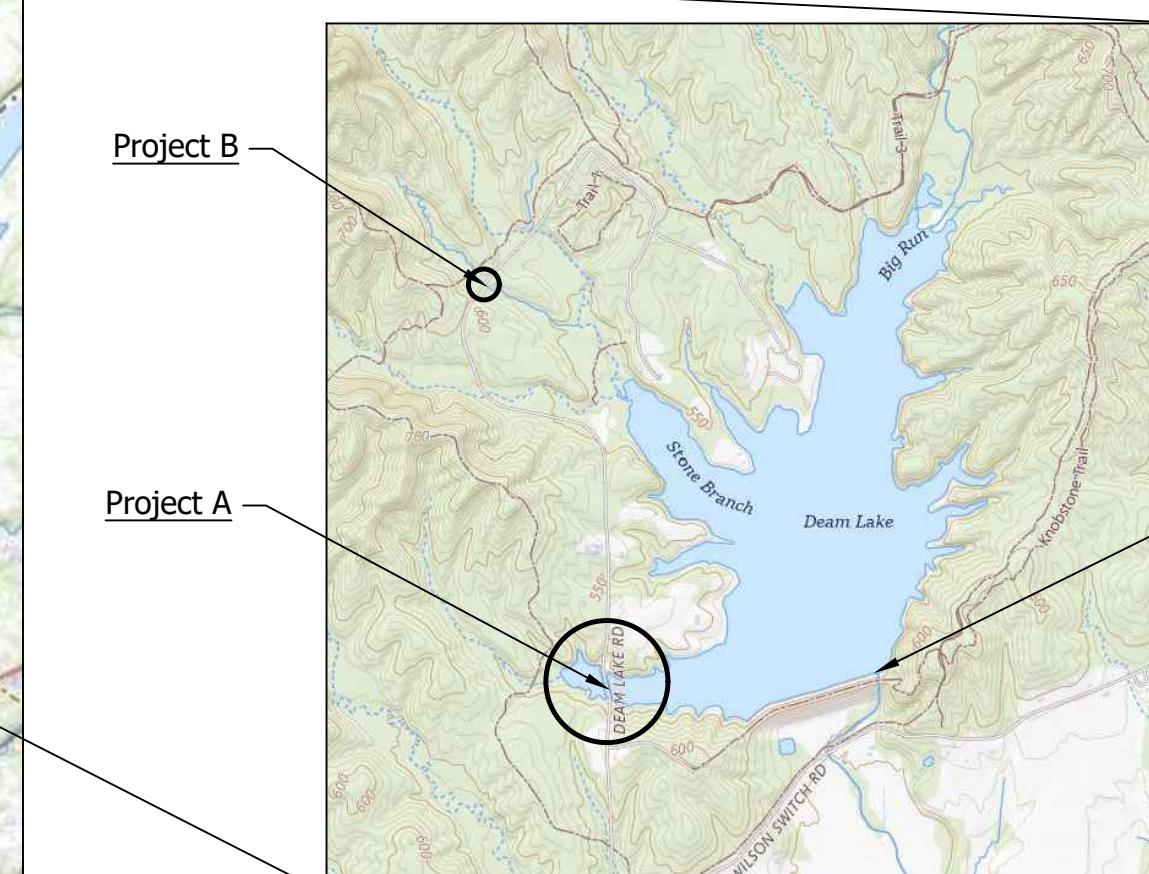


72 Henry Street,  
North Vernon, Indiana 47265  
Telephone: 812-346-2045

Sheet List Table	
Sheet Number	Sheet Title
1	TITLE SHEET
2	MAINTENANCE OF TRAFFIC
3	PROJECT A - CAUSEWAY PLAN & PROFILE
4	PROJECT A - CAUSEWAY GENERAL PLAN
5	PROJECT B - SLIP-LINE GENERAL PLAN

### GENERAL NOTES:

1. SEE PLAN SET 2 FOR EXISTING DRAWDOWN OUTLET STRUCTURE



Project A - SPILLWAY STRUCTURE

PREPARED FOR: INDIANA DEPARTMENT OF NATURAL RESOURCES  
PROJECT DESCRIPTION: DNR DEAM LAKE  
FILE NUMBER: 2413458  
DATE: JANUARY 7, 2026  
DESIGN PHASE: BIDDING PLANS



Colby King

1-07-2026

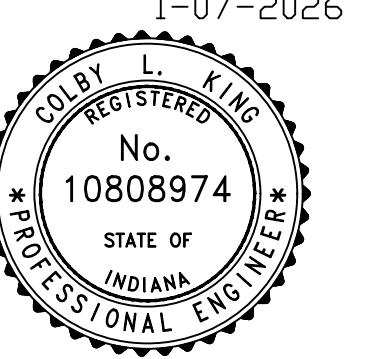
**GENERAL NOTE:**  
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**NOTES:**  
1. This sheet is to be: ANSI D 22" X 34"

72 Henry Street,  
North Vernon, Indiana 47255  
Telephone: 812-346-2045

**gonzalez**  
COMPANIES, LLC

1-07-2026



SCALE: 1" = 20'  
DRAWN BY: ARC  
CHECKED BY: CLK  
DATE: JANUARY 7, 2026  
Revision | Drawn By | Date  
FILE NO: 2413468  
CLIENT NAME: INDIANA DEPARTMENT OF NATURAL RESOURCES  
PROJECT DESCRIPTION: DNR DEAM LAKE  
SHEET TITLE: MAINTENANCE OF TRAFFIC  
DESIGN PHASE: BIDDING PLANS  
SHEET NUMBER: 2



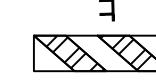
### MAINTENANCE OF TRAFFIC - CAUSEWAY CULVERT

#### QUANTITIES

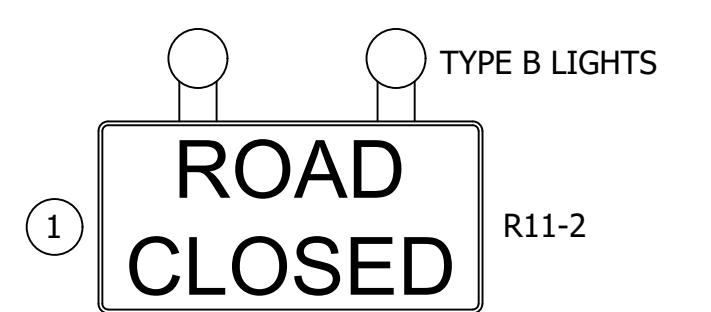
BARRICADE, TYPE IIIB	48 LFT
ROAD CLOSURE SIGN ASSEMBLY (1)	2

#### LEGEND

CONSTRUCTION SIGN  
BARRICADE, TYPE IIIB



#### ROAD CLOSURE SIGN ASSEMBLIES

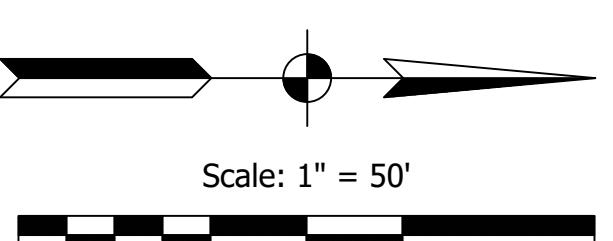


#### GENERAL NOTES:

1. Refer to INDOT Standard Drawings and Specifications for additional traffic control information.
2. The Field Engineer or DNR may adjust locations of traffic control devices as conditions warrant.

#### GENERAL NOTES:

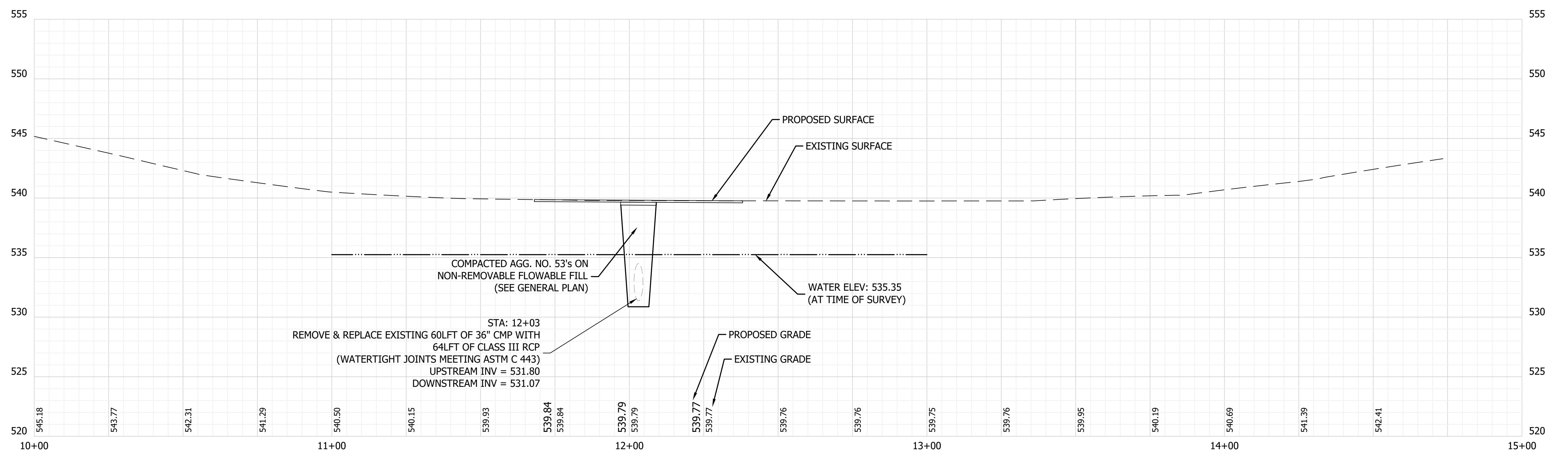
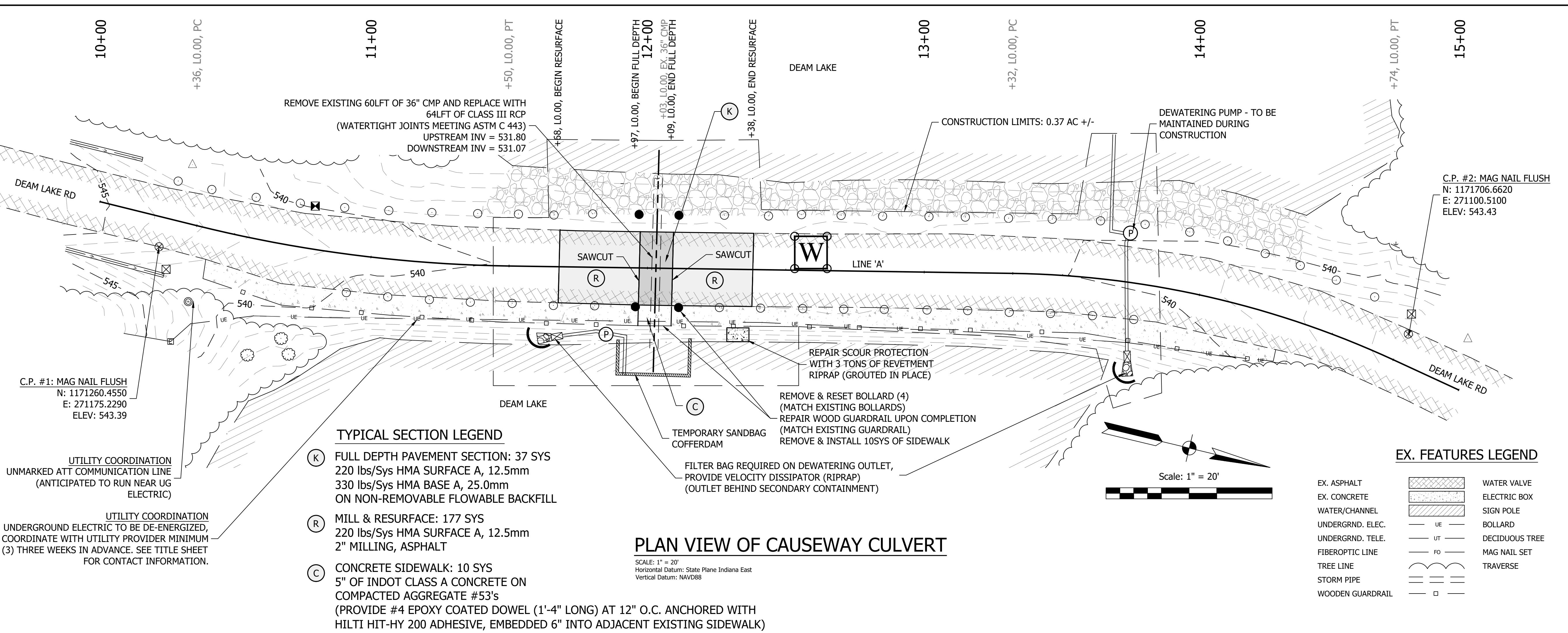
1. Existing causeway will be closed for the replacement of the culvert. Closure of the road shall be no earlier than November 1, 2026 and no later than April 1, 2027. Length of closure shall be no longer than 7 days.
2. As part of the de-watering plan, Contractor shall lower the lake by removing existing (5) Stop Logs down to concrete (elev: 530.09); located at the lake outlet structure. Drawdown is limited to 0.5-1.0 ft/day. Coordination will be required between contractor and owner for planned closure AND de-watering schedule.



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**NOTES:**  
1. This sheet is to be: ANSI D 22" X 34"

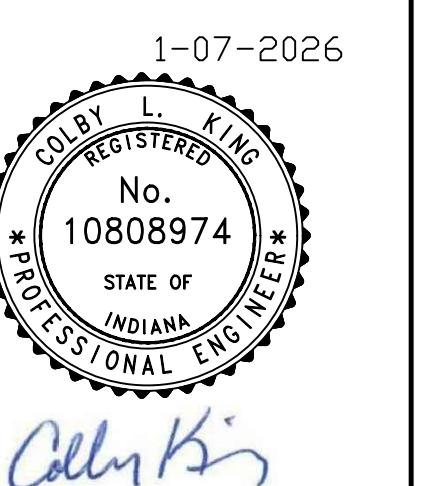
72 Henry Street,  
North Vernon, Indiana 47255  
Telephone: 812-346-2045



**PROFILE VIEW OF CAUSEWAY LINE 'A'**

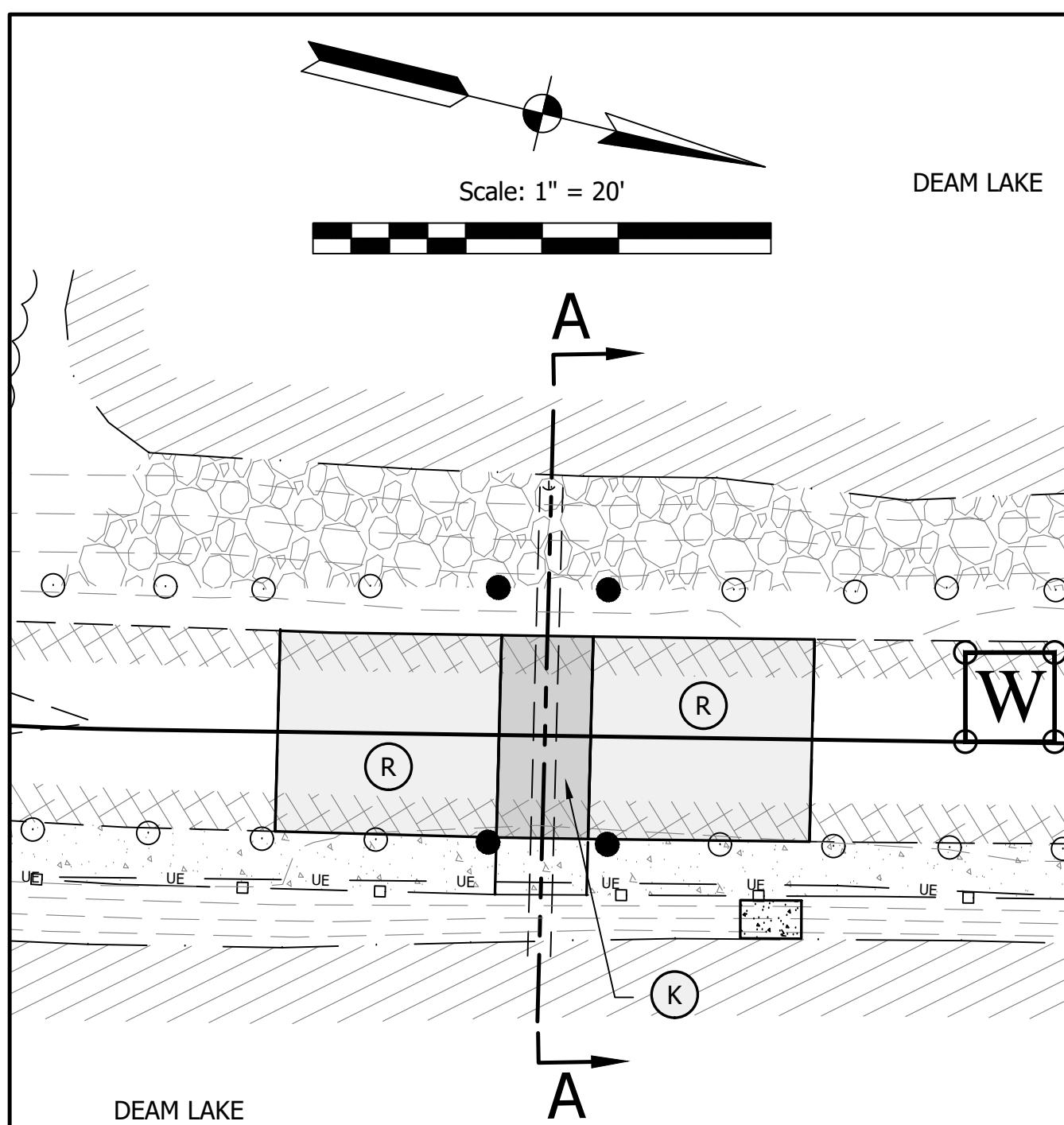
SCALE: H: 1" = 20'  
V: 1" = 5'

**3**



1-07-2026  
COLBY L. KING  
REGISTERED  
No. 10808974  
STATE OF  
INDIANA  
PROFESSIONAL  
ENGINEER  
\*  
Allen King

SCALE: 1" = 20'
DRAWN BY: ARC
CHECKED BY: CLK
DATE: JANUARY 7, 2026
Revision Drawn By Date
FILE NO: 2413468
CLIENT NAME: INDIANA DEPARTMENT OF NATURAL RESOURCES
PROJECT DESCRIPTION: DNR DEAM LAKE
SHEET TITLE: PROJECT A - CAUSEWAY PLAN & PROFILE
DESIGN PHASE: BIDDING PLANS
SHEET NUMBER: 3

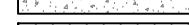
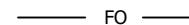


# PLAN VIEW OF CAUSEWAY CULVERT

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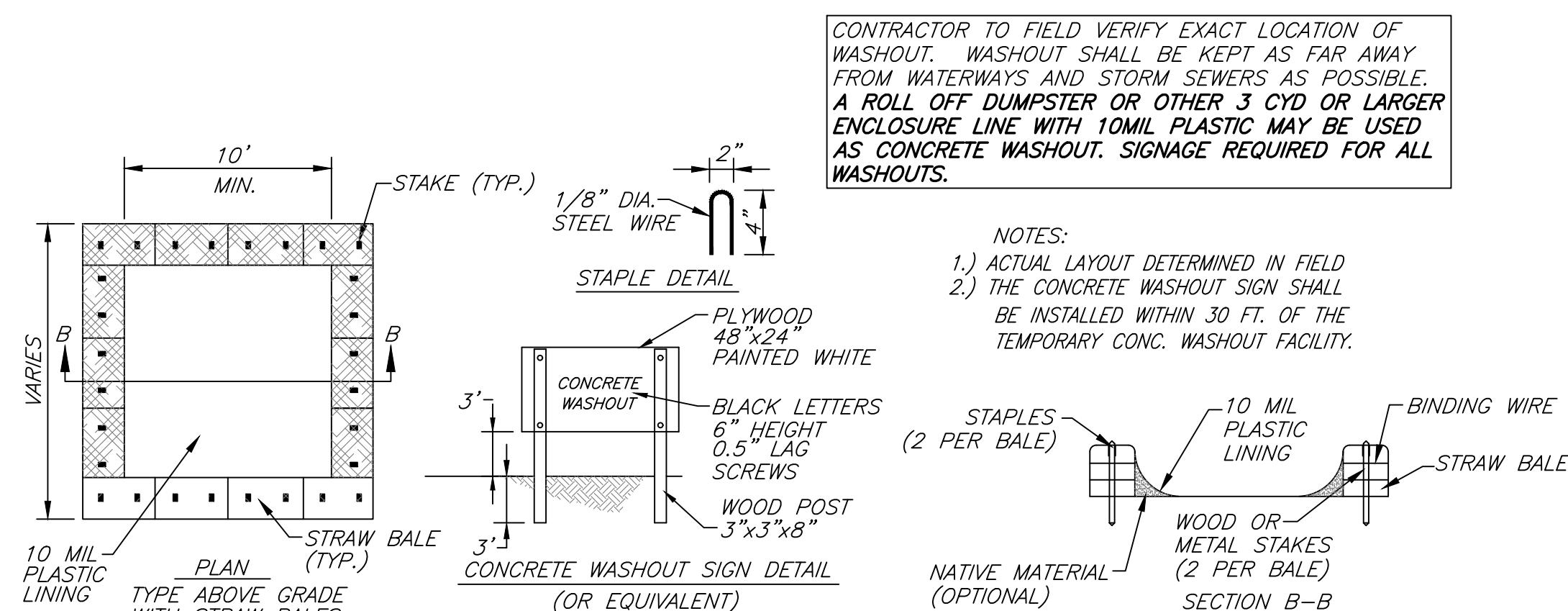
SCALE: 1" = 20'

## EX. FEATURES LEGEND

EX. ASPHALT		WATER VALVE
EX. CONCRETE		ELECTRIC BOX
WATER/CHANNEL		SIGN POLE
UNDERGRND. ELEC.	—      UE      —	BOLLARD
UNDERGRND. TELE.	—      UT      —	DECIDUOUS TREE
FIBEROPTIC LINE	—      FO      —	MAG NAIL SET
TREE LINE		TRAVERSE
STORM PIPE	—      —      —	
WOODEN FENCE	—      □      —	

## TYPICAL SECTION LEGEND

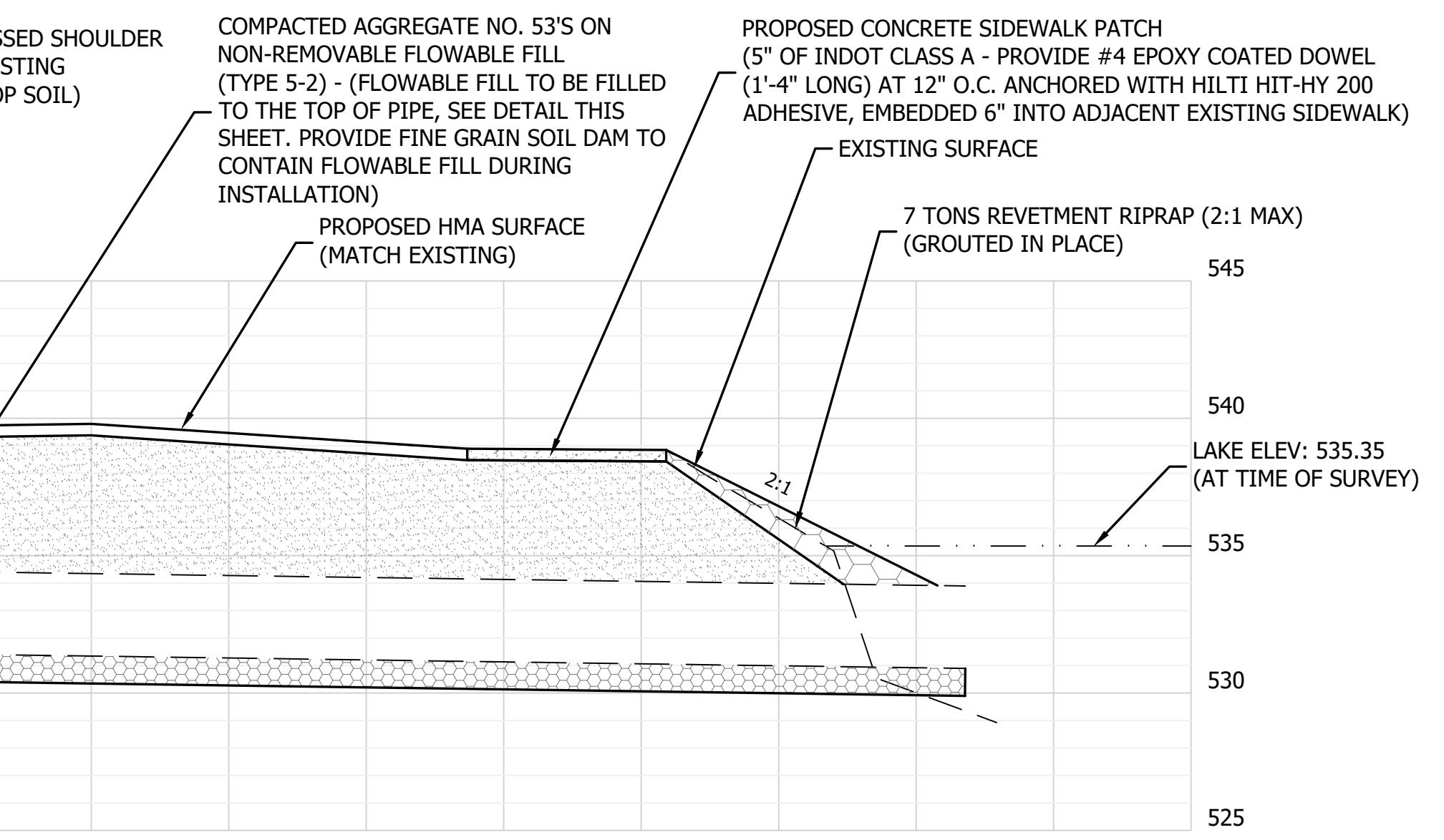
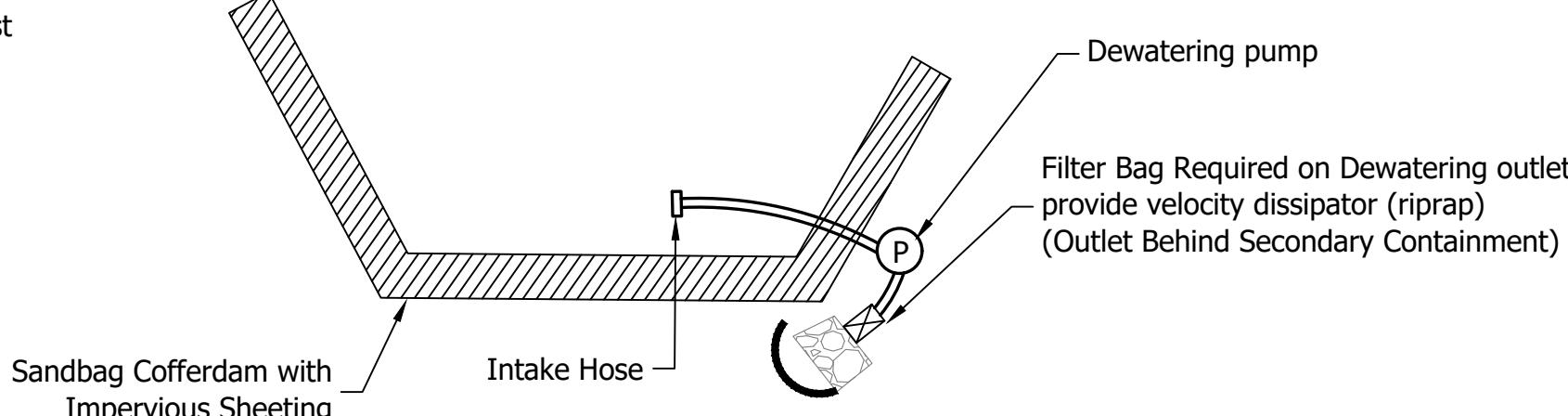
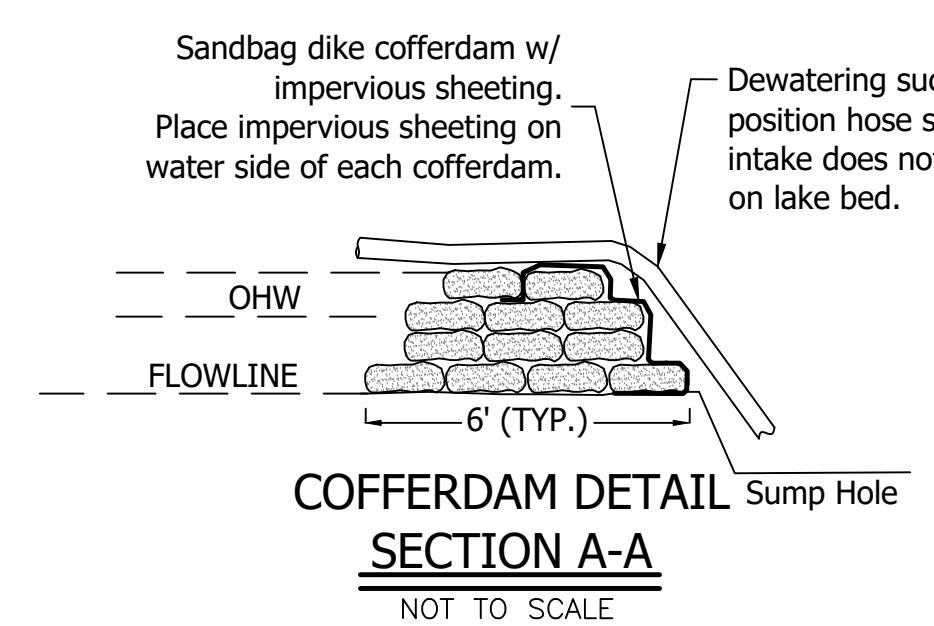
- K** FULL DEPTH PAVEMENT SECTION: 37 SYS  
220 lbs/Sys HMA SURFACE A, 12.5mm  
330 lbs/Sys HMA BASE A, 25.0mm  
ON NON-REMOVABLE FLOWABLE BACKFILL
  
- R** MILL & RESURFACE: 177 SYS  
220 lbs/Sys HMA SURFACE A, 12.5mm  
ON 2" MILLING, ASPHALT





# CONCRETE WASHOUT DETAIL

NOT TO SCALE

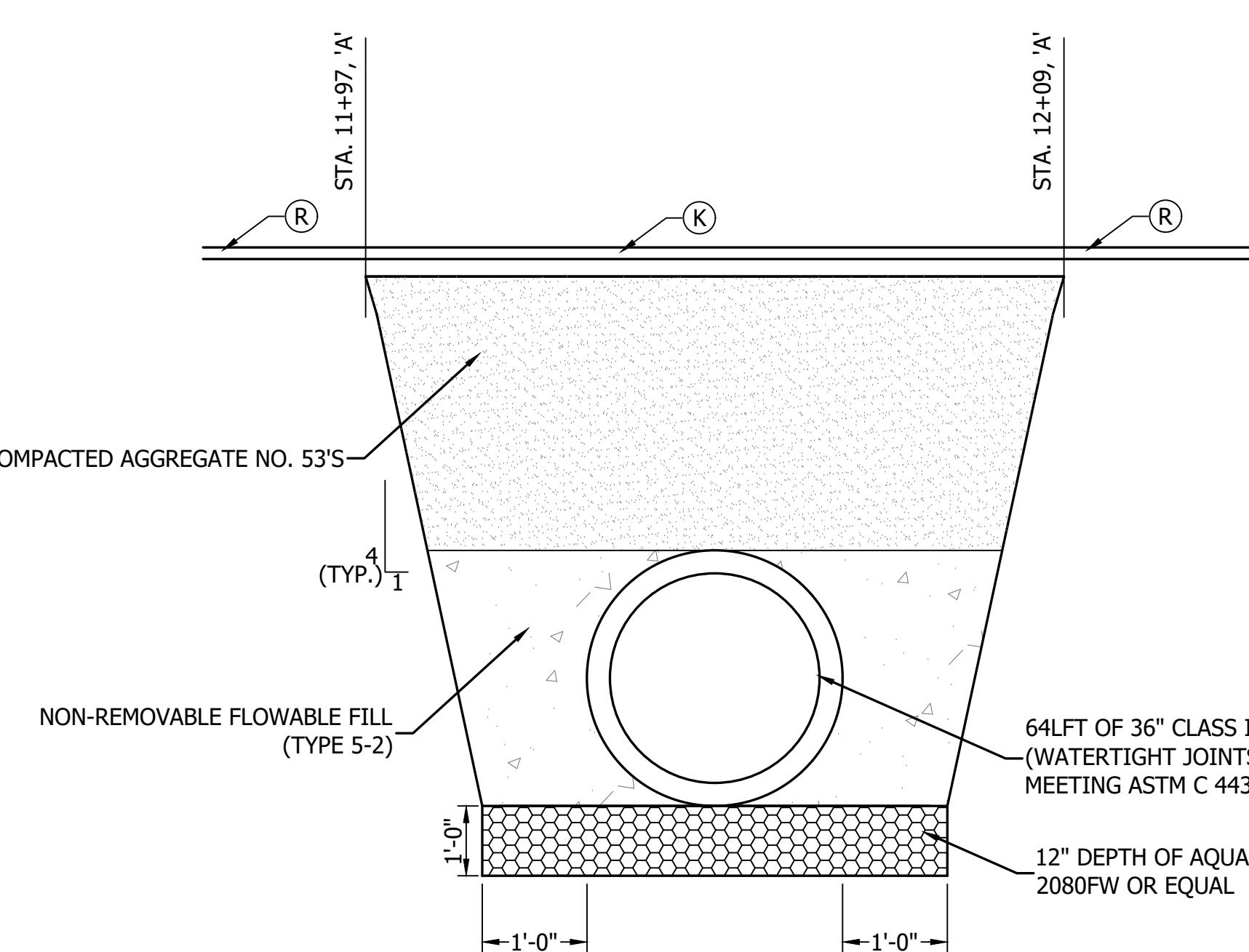


# A CROSS-SECTION OF CAUSEWAY CULVERT

SCALE: H: 1" = 5'  
V: 1" = 5'

## GENERAL NOTES:

1. Public roadways are expected to be kept clear of sediment. Contractor is responsible for keeping sediment off roads.
2. Provide concrete washout prior to the start of any concrete work. Concrete shall be placed on a level ground area as far away as possible from waterways. All materials shall be disposed of properly in accordance with local codes.
3. As part of the de-watering plan, Contractor shall lower the lake by removing existing (5) Stop Logs down to concrete (elev: 530.09); located at the lake outlet structure. Drawdown is limited to 0.5-1.0 ft/day. Coordination will be required between contractor and owner for planned closure. Contractor shall include price of Stop Log replacement into cost of project (WATERMAN STOP LOGS or equal). See PLAN SET 2 for existing stop log details, Contractor to verify dimensions and material before ordering. New replacement Stop Logs will be installed by Contractor.
4. Contractor shall provide an additional de-watering pump to lower the lake elevation West of the causeway; this pump shall be maintained during construction. See plan sheet 3 for additional de-watering requirements.
5. Existing causeway will be closed for the replacement of the culvert. Closure of the road shall be no earlier than November 1, 2026 and no later than April 1, 2027. Length of closure shall be no longer than 7 days. Temporary aggregate running surface approved until paved.
6. Remove temporary erosion control and de-watering items once construction is completed and area is stabilized.
7. Weighted tape measurements indicate bathymetry is about 9-10ft below normal pool at toe of slope.



# STRUCTURE BACKFILL DETAIL

**GENERAL NOTE:**  
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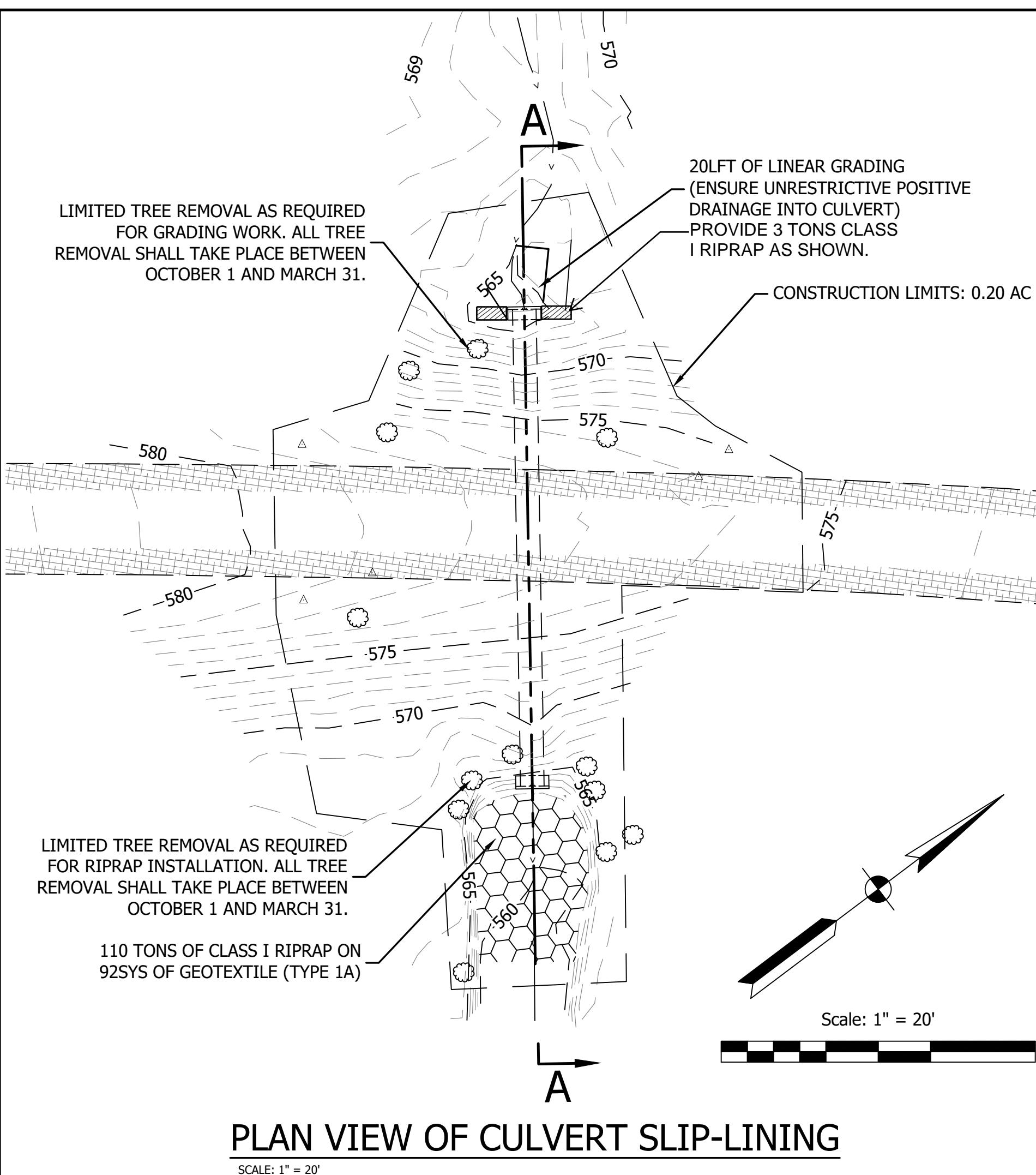
**NOTES:**

exceed all state, requirements, current INDOT, requirements & that make up interrelated & drawing and or shall review addendum (if all work that item is drawn on or drawing, of this work and the contract.

72 Henry Street,  
North Vernon, Indiana 47265  
Telephone: 812-346-2045

7-2026

SCALE: AS SHOWN		
DRAWN BY: ARC		
CHECKED BY: CLK		
DATE: JANUARY 7, 2026		
Revision	Drawn By	Date
FILE NO: 2413468		
CLIENT NAME: INDIANA DEPARTMENT OF NATURAL RESOURCES		
PROJECT DESCRIPTION: DNR DEAM LAKE		
SHEET TITLE: PROJECT A - CAUSEWAY GENERAL PLAN		
DESIGN PHASE: BIDDING PLANS		
SHEET NUMBER:		
		



**EX. FEATURES LEGEND**

EX. ASPHALT	WATER VALVE
EX. CONCRETE	ELECTRIC BOX
WATER/CHANNEL	SIGN POLE
UNDERGRND. ELEC.	BOLLARD
UNDERGRND. TELE.	DECIDUOUS TREE
FIBEROPTIC LINE	MAG NAIL SET
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WOODEN FENCE	



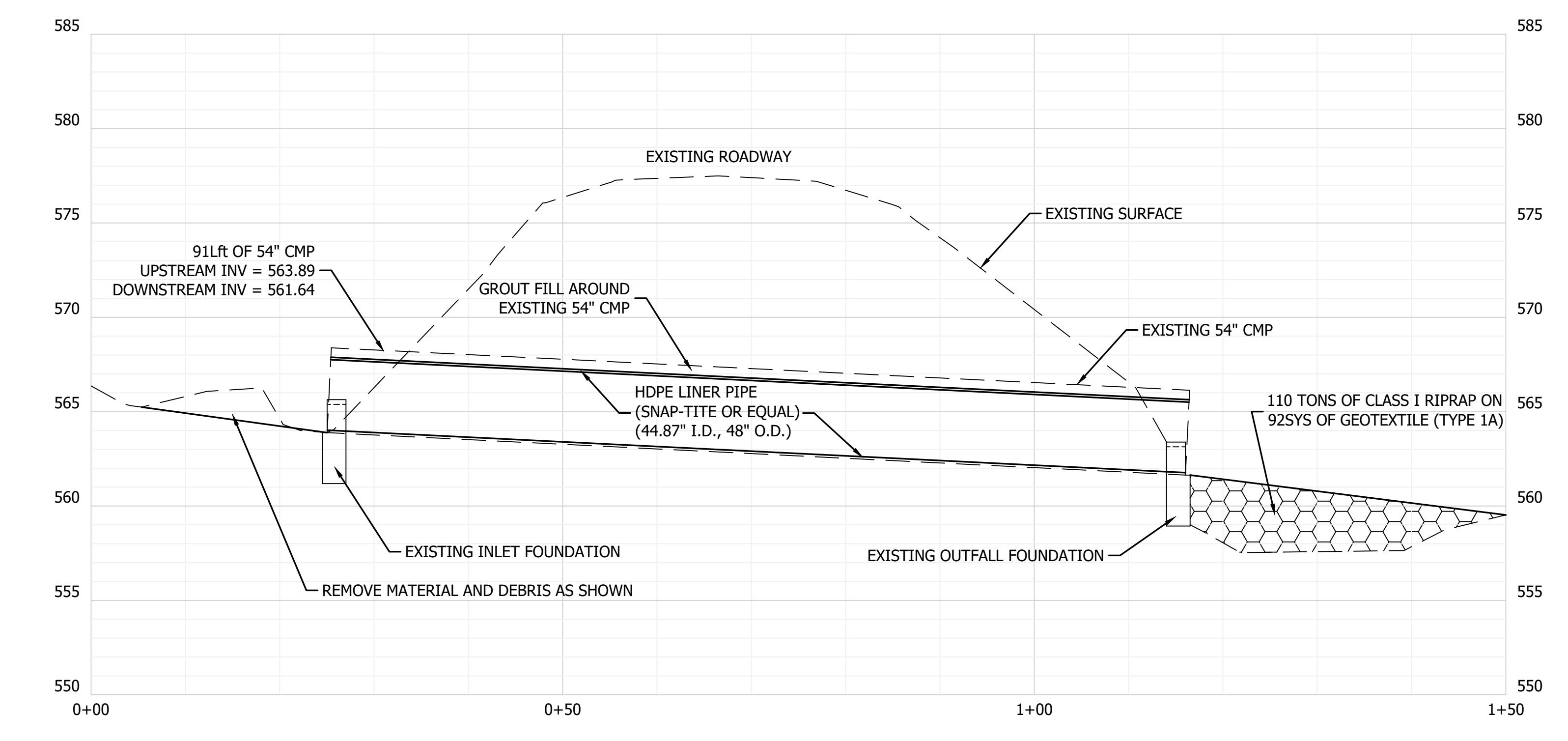
**UPSTREAM INLET PHOTO**

SCALE: NTS



**DOWNSTREAM OUTLET PHOTO**

SCALE: NTS



SCALE: H: 1" = 10'  
V: 1" = 5'

**54" CMP SLIP-LINING DESIGN SUMMARY - FULL FLOW COMPARATIVE FLOW RATES**

EXISTING 54" CMP: 33.7 CPS

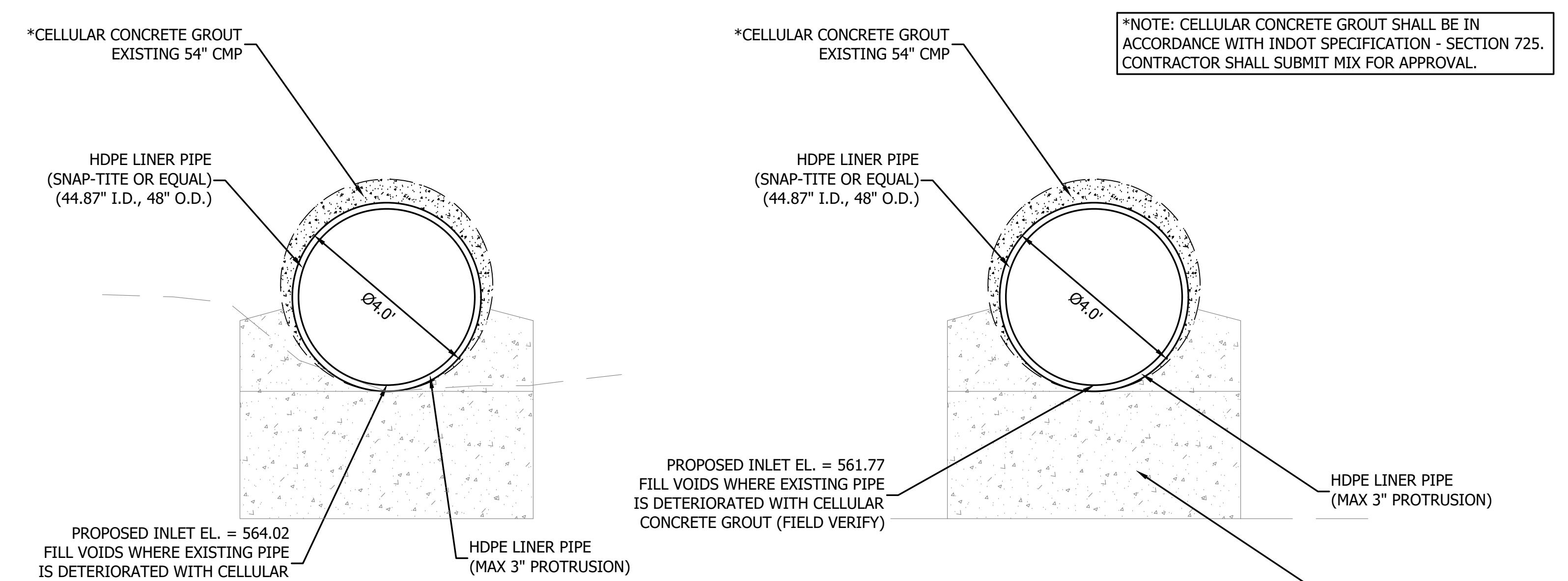
COMPARATIVE FLOW RATES (SNAP-TITE)  
OD: 48", ID: 44.87" 54 CPS

**NOTES:**

1. ANY TUBES USED FOR GROUT FILLING SHALL BE CUT AND GROUTED UPON COMPLETION.
2. SLIP-LINING SHALL BE CUT UPON COMPLETION TO ALLOW FOR A MAX PROTRUSION OF 3".

1. Public roadways are expected to be kept clear of sediment. Contractor is responsible for keeping sediment off roads.
2. Provide concrete washout prior to the start of any concrete work. Concrete shall be placed on a level ground area as far away as possible from waterways. All materials shall be disposed of properly in accordance with local codes.
3. Contractor shall provide flagging operations to maintain traffic through project limits at Project B location, road closure may be feasible if proper coordination is done with park and park operations will not be affected.
4. All tree removal shall take place between October 1 to March 31, outside of the restricted Bat season.

**GENERAL NOTES:**



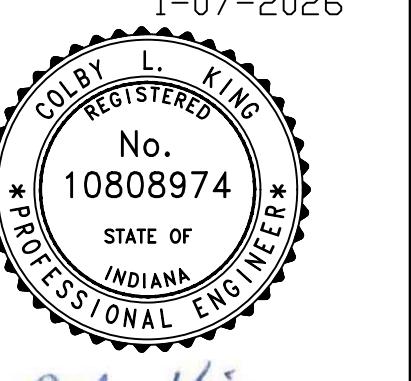
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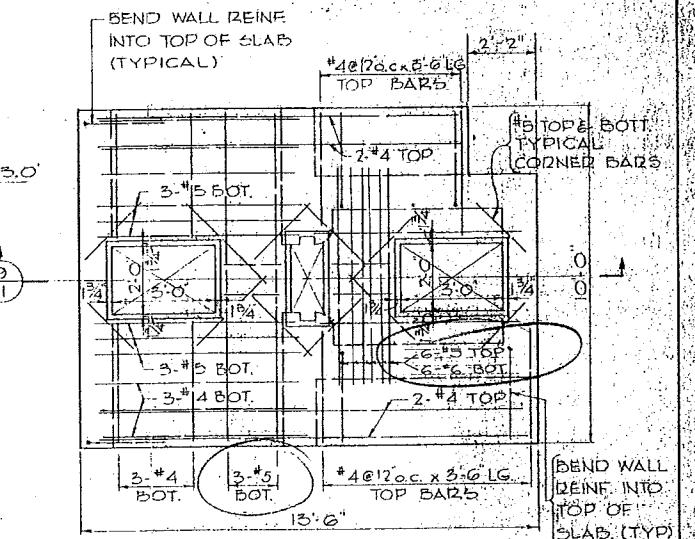
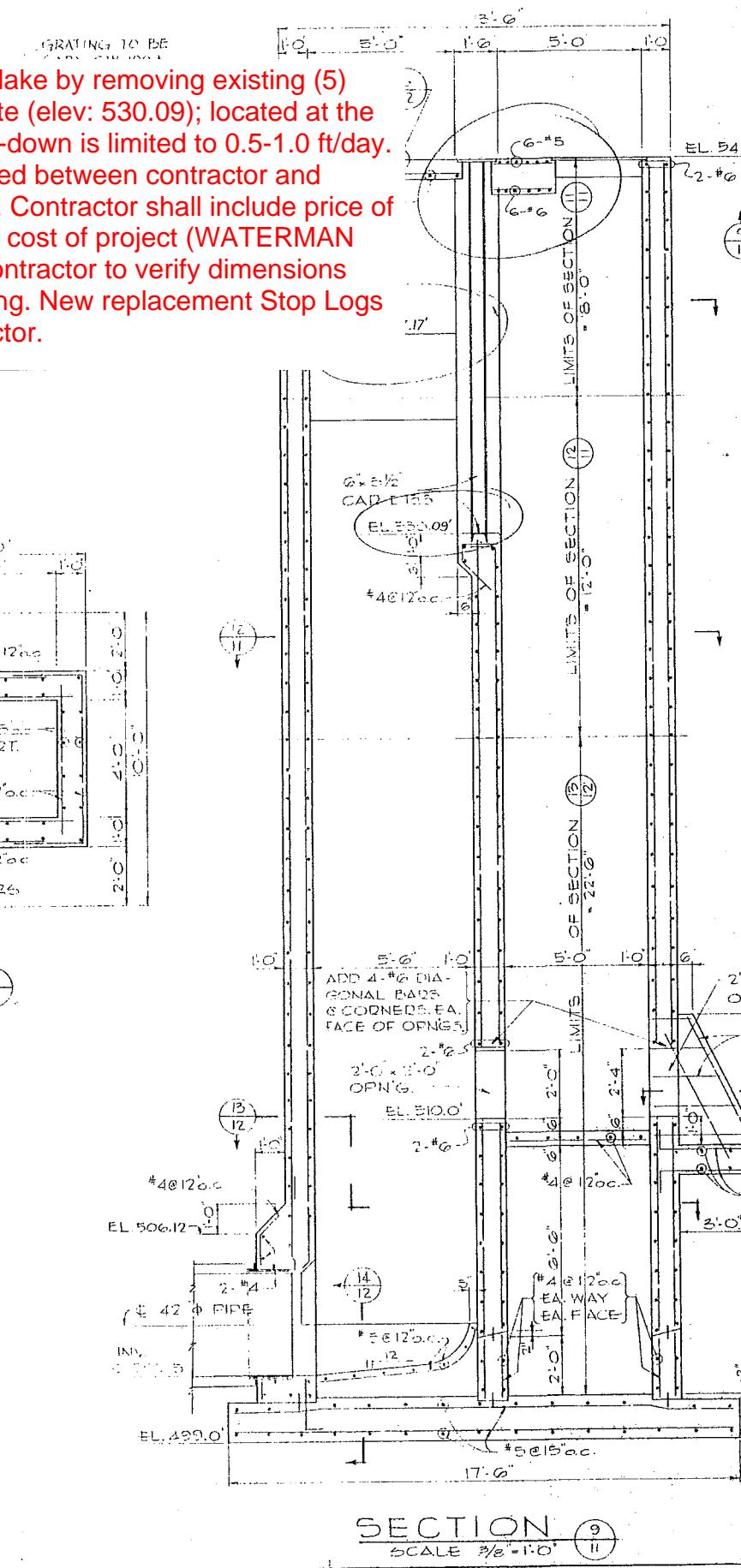
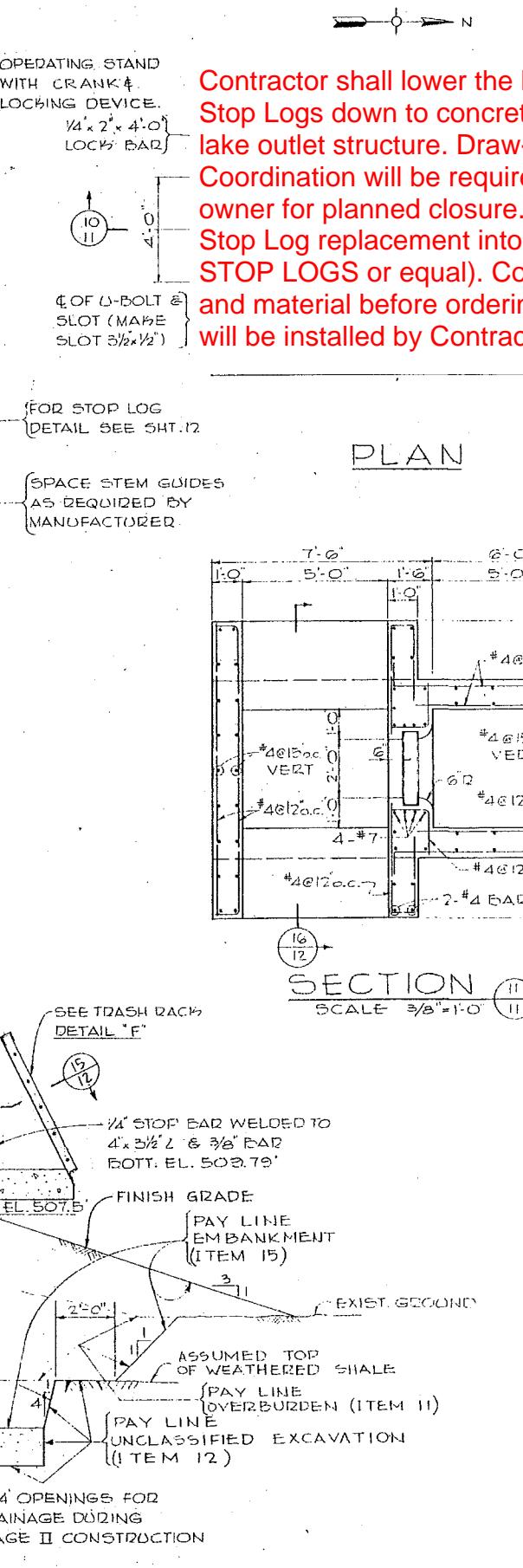
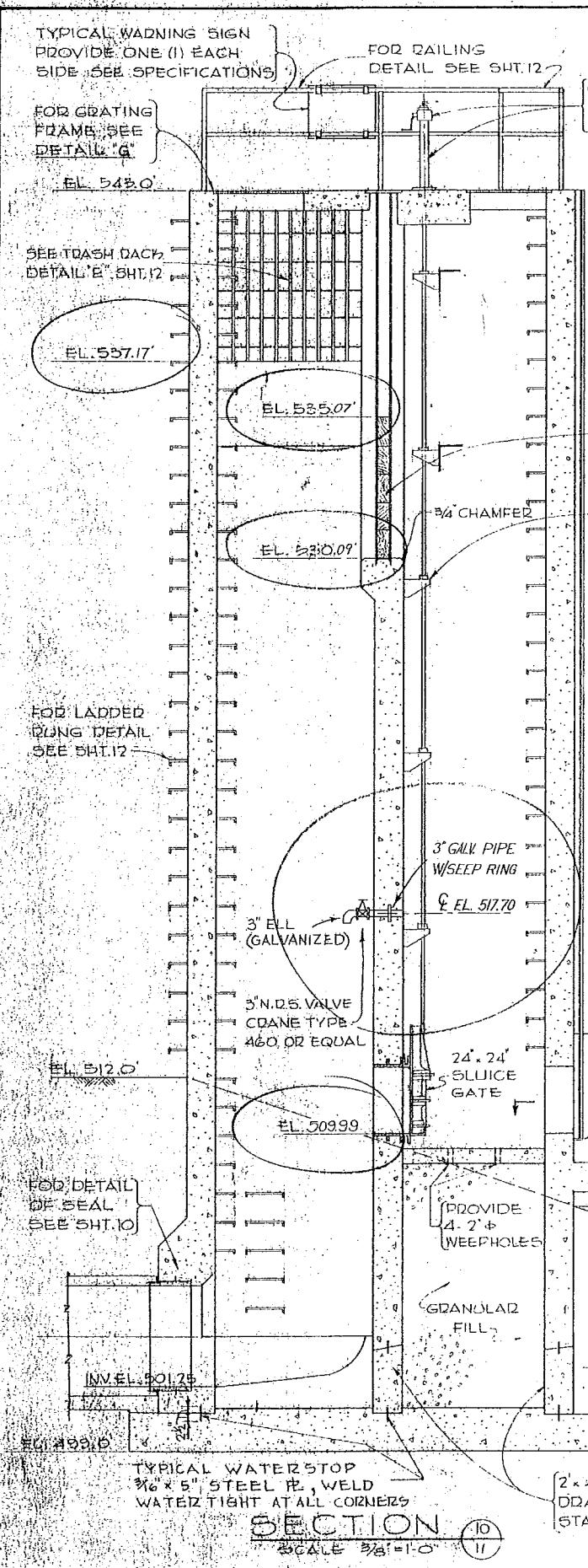
72 Henry Street,  
North Vernon, Indiana 47255  
Telephone: 812-346-2045



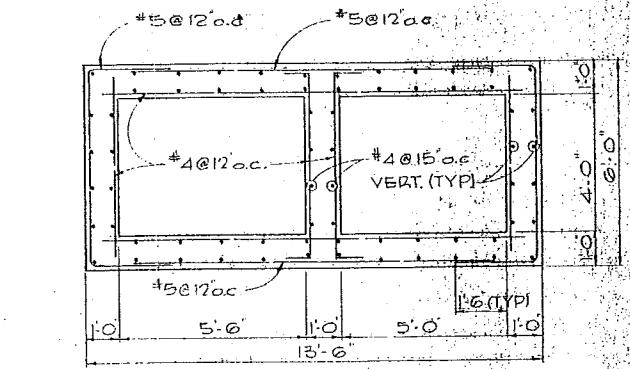
1-07-2026



SCALE: AS SHOWN  
DRAWN BY: ARC  
CHECKED BY: CLK  
DATE: JANUARY 7, 2026  
Revision Drawn By Date  
  
FILE NO: 2413468  
CLIENT NAME: INDIANA DEPARTMENT OF NATURAL RESOURCES  
PROJECT DESCRIPTION: DNR DEAM LAKE  
SHEET TITLE: PROJECT B - SLIP-LINE GENERAL PLAN  
DESIGN PHASE: BIDDING PLANS  
SHEET NUMBER: 5



PLAN  
TOP SLAB REINFORCING



SECTION  
SCALE 3/8"=1'-0"

NOTES

1. FOR GENERAL NOTES SEE SHEET 2.
2. DECK GRATING TO BE TYPE GW 100A GARY WELDED STEEL GRATING OR EQUAL.
3. CONCRETE FOR INTAKE STRUCTURE BASE TO BE TYPE "B" CONCRETE FOR REMAINDER OF STRUCTURE TO BE TYPE "A".

AS BUILT DRAWING

INDIANA FLOOD CONTROL AND WATER RESOURCES COMMISSION	
DEAMS LAKE	
OUTLET WORKS	
INTAKE STRUCTURE	
A. M. KINNEY, INC.	CINCINNATI, OHIO
CONSULTING ENGINEERS	SCALES AS SHOWN
DESIGN BY A.W.P.	SHEET 11 OF 16
DRAWN BY C.H.T.	DWG. NO. IND 104
CHECKED BY A.W.P.	MAY 18, 1964
APPROVED	11

50-106

