	INDEX		
SHEET NO.	DESCRIPTION		
1	TITLE SHEET & INDEX SHEET		
2	TYPICAL SECTION & MISCELLANEOUS DETAILS		
3	MAINTENANCE OF TRAFFIC DETOUR LAYOUT		
4 - 6	PLAN AND PROFILE SHEETS		
7 - 9	EROSION CONTROL SHEETS		
10 - 12	STRUCTURE DETAIL SHEETS		
13	CONCRETE HEADWALL DETAIL SHEET		
14 - 16	PIPE SECTIONS		

UTILITIES

FIBER OPTICS:

JACKSON COUNTY REMC

ATTN: LANCE ADAMS

274 E. BASE RD.

BROWNSTOWN, IN 47220

812-277-6442

LADAMS@JACKSONREMC.COM

CABLE TV:

COMCAST

ATTN: TOM DAVIS

1470 JACKSON STREET

COLUMBUS, IN 47201

765-692-0676 (WORK)

THOMAS_DAVIS@COMCAST.COM

TER

JACKSON COUNTY WATER
ATTN: LARRY MCINTOSH
1119 W SPRING ST
BROWNSTOWN, IN 47220
812-358-3654
MANAGER@JACKSONCOUNTYWATER.COM

TELEPHONE:
FRONTIER COMMUNICATION
ATTN: ROBIN BRANSON
24373 CR 45
ELKHART, IN 56416
574-875-3789
ROBIN.H.BRANSON@FTR.COM

UTILITIES INSIDE PARK

WATER

JACKSON WASHINGTON STATE PARK
ATTN: JOSH KUSH
814-421-3198
JKUSH@DNR.IN.GOV
ATTN: JEREMY STEINKAMP
812-358-2160

FOR UNDERGROUND UTILITIES, CALL: WITHIN INDIANA 1-800-382-5544 (TOLLFREE)
FROM OUTSIDE INDIANA 1-800-428-5200 (TOLLFREE)

INDIANA DEPARTMENT OF NATURAL RESOURCES

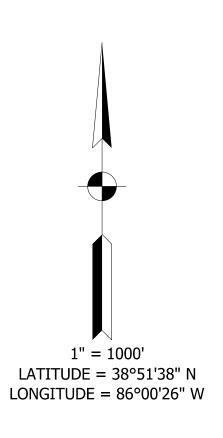
JACKSON - WASHINGTON STATE FOREST PROJECT NO: ENG # 2409635019

PROJECT DESCRIPTION

PIPE REPLACEMENTS IN THE JACKSON - WASHINGTON STATE FOREST. THIS PROJECT IS LOCATED IN SECTION 19, T-5-N, R-5-E, BROWNSTOWN TOWNSHIP, JACKSON COUNTY, INDIANA.







JACKSON COUNTY



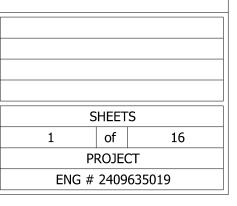
LAFAYETTE - NEW ALBANY - MUNCIE

www.hwcengineering.com



PLANS		
PREPARED BY:	HWC ENGINEERING	812-675-4458
-		PHONE NUMBER
CERTIFIED BY:	Calen Filderhim	12-6-24 DATE

INDIANA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS DATED 2024 TO BE USED WITH THESE PLANS



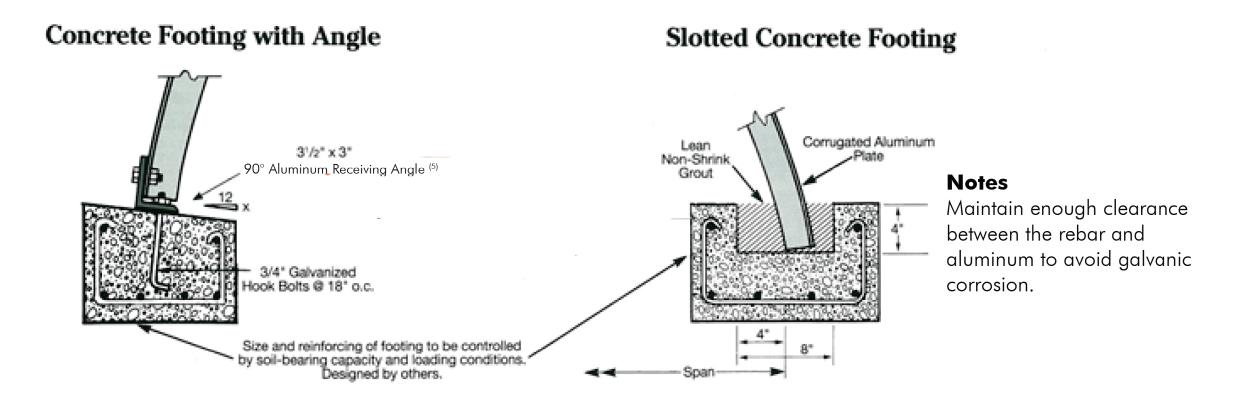
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NOTE: FOUNDATION DETAIL PROVIDED SHALL BE USED AS A REFERENCE FOR QUANTITY PURPOSES, CONTRACTOR IS RESPONSIBLE FOR OBTAINING FOUNDATION DESIGN WITH STEEL REINFORCEMENT FROM SUPPLIER. SUPPLIER FOUNDATION DETAILS SHALL SUPERSEDE PLAN DETAILS ONCE APPROVED BY ENGINEER.

FOUNDATION DETAILS

FOUNDATION DIMENSIONS SHALL BE 3.5' WIDE PER GEOTECH RECOMMENDATIONS. DEPTHS OF FOUNDATIONS CAN BE OBTAINED FROM THE STRUCTURE DATA TABLE.



ALUMINUM ARCH PIPE FOOTING DETAILS

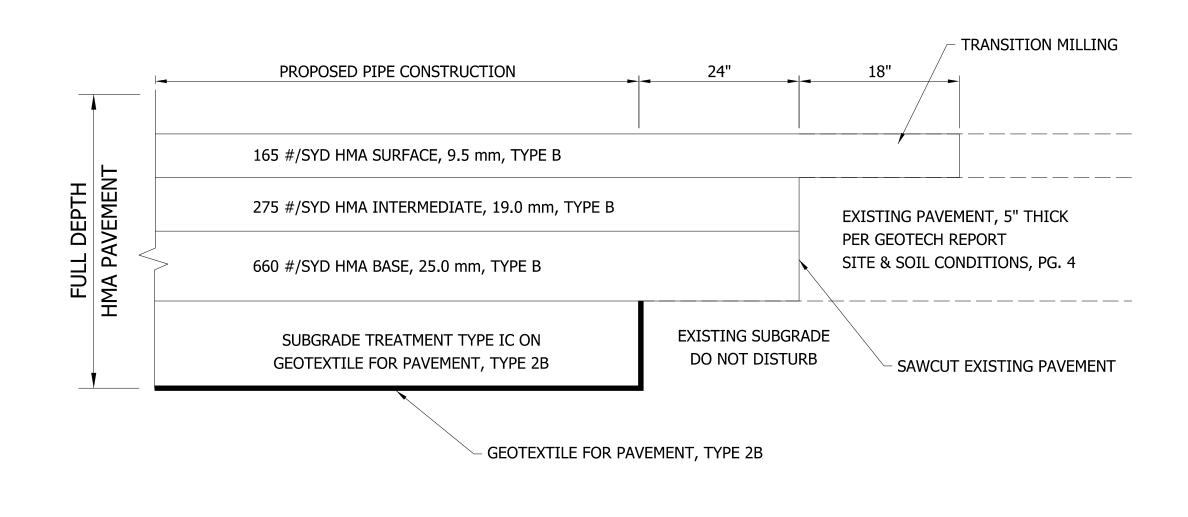
CLV - 414 & CLV - 446

NOT TO SCALE

NOTE: MATCH EXISTING CROSS SLOPES WITHIN FULL DEPTH PAVEMENT REPLACEMENT LIMITS,
AS SHOWN ON PLAN SHEETS.
BOUNDARIES OF FULL DEPTH DAVEMENT DEPLACEMENT LIMITS SHALL BE EXISTING.

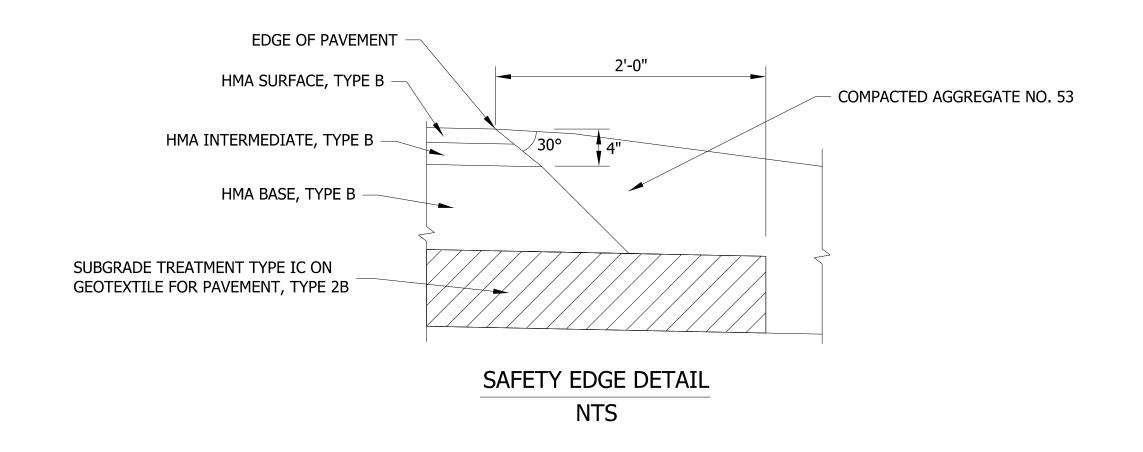
BOUNDARIES OF FULL DEPTH PAVEMENT REPLACEMENT LIMITS SHALL BE EXISTING EDGES OF PAVEMENT, AS SHOWN ON PLAN SHEETS.

CONTRACTOR SHALL COORDINATE WITH THE OWNER REGARDING LOACTIONS FOR FULL DEPTH AND PARTIAL DEPTH PAVEMENT PATCHING, REFER TO SPECIAL PROVISIONS FOR ADDITIONAL DETAILS.



PAVEMENT DETAIL

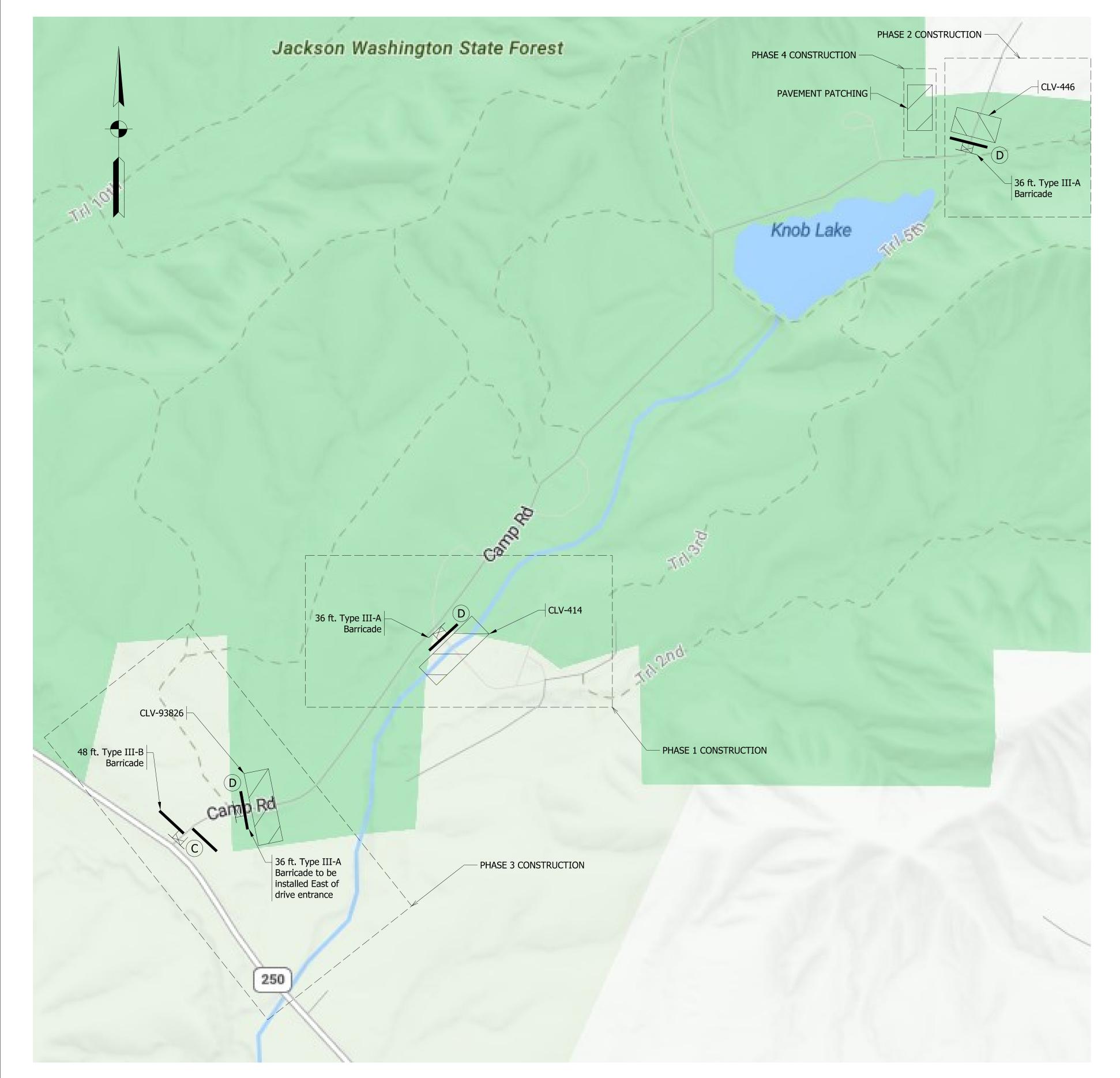
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INDIANA DEPARTMENT	N/A	
OF NATURAL RESOURCES	VERTICAL SCALE	DESIGNATION
OF NATURAL RESOURCES	N./A	
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TYPICAL SECTION & MISCELLANEOUS DETAILS		2 of 16
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MOT LAYOUT DRAWING NOT TO SCALE

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OF NATURAL RESOURCES	1" = 2'			
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LEGEND

Construction Area

Typical Sign Standard (Road Closure Assembly)

Standard Type III-A Barricade as Required

Standard Type III-B Offsetting Barricades as Required

1. CLOSE ENTRANCE TO JACKSON WASHINGTON STATE FOREST UTILIZING BARRICADE WITH ROAD CLOSED SIGN ASSEMBLY FOR THROUGH TRAFFIC WITH TYPE III-B BARRICADE. PROVIDE ROAD CLOSED SIGN ASSEMBLY WITH TYPE III-A BARRICADE AT ENTRANCE TO SIDE ROAD, AS SHOWN ON LAYOUT DRAWING.

2. REMOVE & REPLACE EXISTING 48" CMP WITH 11' x 4.5' CORRUGATED ALUMINUM ARCH PIPE W/ END SECTIONS, CLV-414.

PHASE 2 CONSTRUCTION

PHASE 1 CONSTRUCTION:

1. MAINTAIN BARRICADE WITH ROAD CLOSED SIGN ASSEMBLY FOR THROUGH TRAFFIC AT THE ENTRANCE TO JACKSON WASHINGTON STATE FOREST, AS SHOWN ON LAYOUT DRAWING. RELOCATE ROAD CLOSED SIGN ASSEMBLY WITH TYPE III-A BARRICADE FROM PHASE I TO PHASE II PROJECT LOCATION.

2. REMOVE & REPLACE EXISTING 60" CMP WITH 11' x 4.5' CORRUGATED ALUMINUM ARCH PIPE W/ ARCH CIP HEADWALL & WINGWALLS, CLV-446.

PHASE 3 CONSTRUCTION:

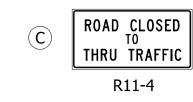
1. MAINTAIN BARRICADE WITH ROAD CLOSED SIGN ASSEMBLY FOR THROUGH TRAFFIC AT THE ENTRANCE TO JACKSON WASHINGTON STATE FOREST, AS SHOWN ON LAYOUT DRAWING. RELOCATE ROAD CLOSED SIGN ASSEMBLY WITH TYPE III-A BARRICADE EAST OF EXISTING PICNIC AREA AT STA. 10+00.

2. REMOVE & REPLACE EXISTING 48" CMP WITH 48" RCP W/ CONCRETE END SECTION, CLV-93826.

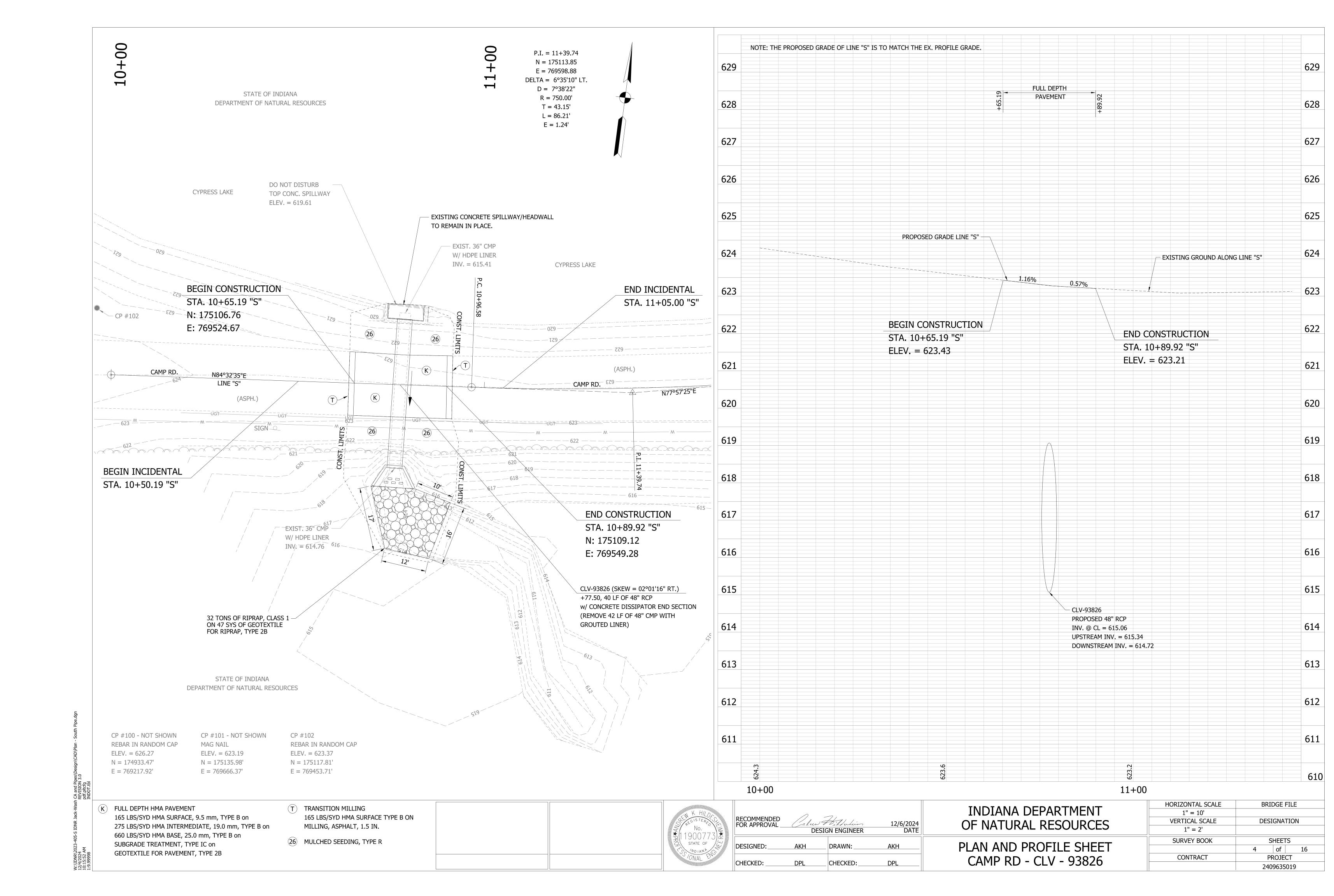
3. REMOVE ALL CONSTRUCTION SIGNS AFTER CULVERT CONSTRUCTION IS COMPLETE FOR CLV-93826.

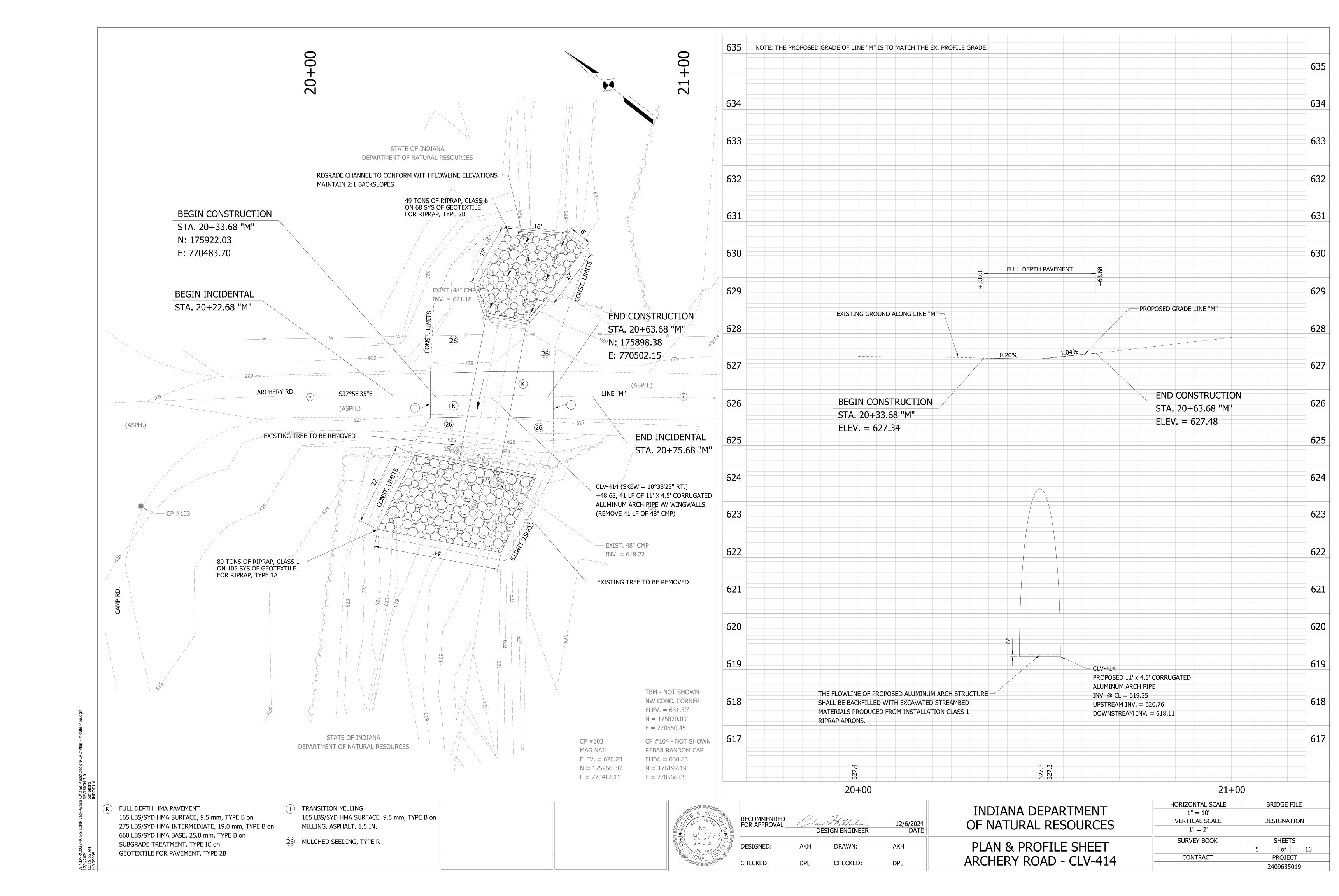
PHASE 4 CONSTRUCTION

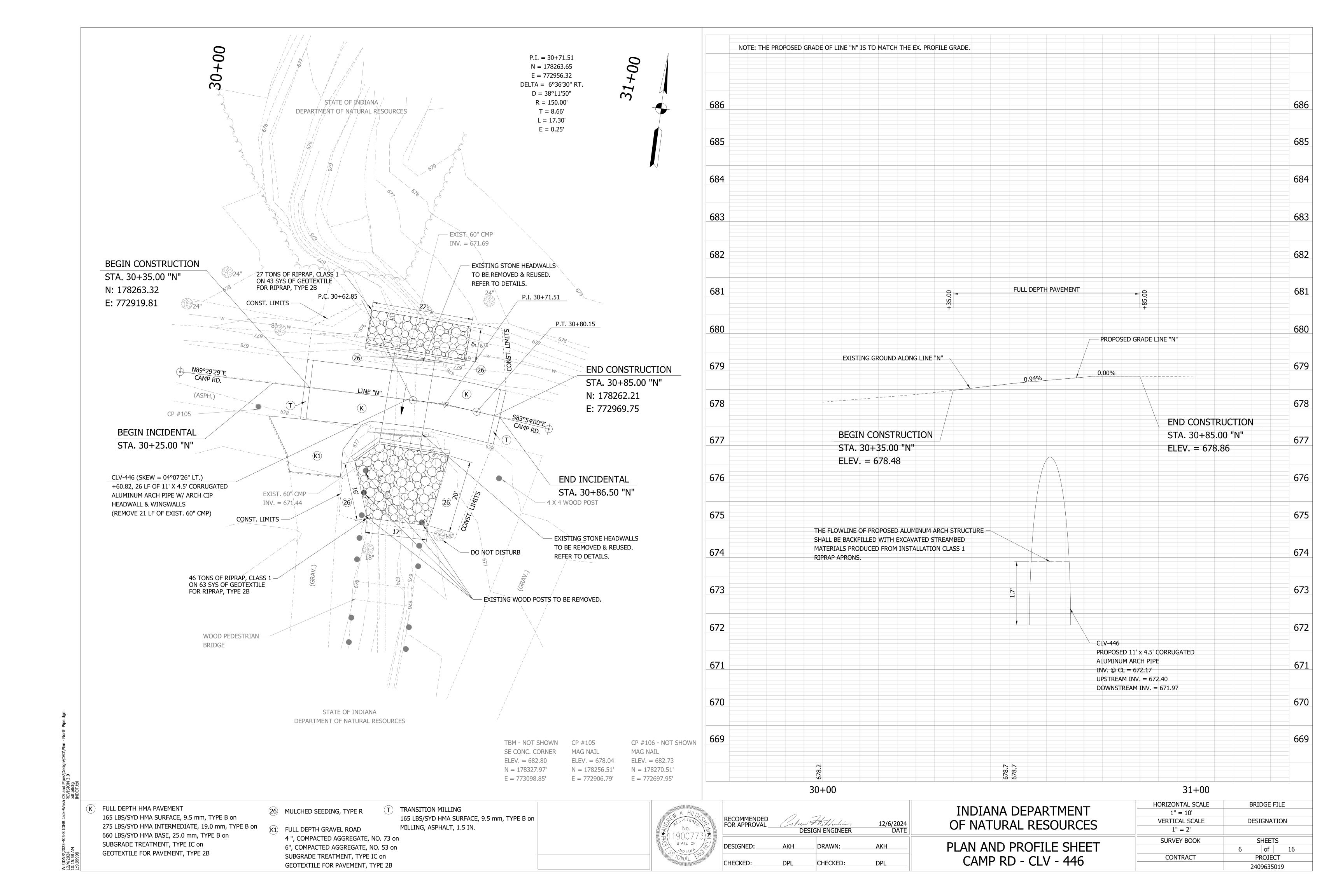
1. PERFORM FULL DEPTH & PARTIAL DEPTH PAVEMENT PATCHING UNDER TEMPORARY ROAD CLOSURE AND FLAGGING OPERATIONS. COORDINATE WITH OWNER ON LOCATION OF PATCHING.











EROSION CONTROL NOTES

- 1. Erosion Control Blanket shall be placed on all graded slopes 3:1 and steeper and in concentrated flow areas (i.e. roadside ditches).
- 2. Permanent Seeding and Mulching to be placed on all disturbed areas, unless noted
- otherwise. Native Wetland Seed Mix shall be used in disturbed areas of wetlands. 3. Protect existing inlets with Inlet Protection where there is potential to be impacted
- by sediment and/or debris from construction. Inlet Protection must be below grate with overflow capacity.
- 4. See plans for final placement of Riprap. 5. Do not disturb wetlands outside of construction limits.
 - PUMP-AROUND NOTES

- Adjust outlet stabilization if bank erosion is present.
- Adjust Pump capacity as necessary to handle stream water volume. Repair leaks and/or otherwise stabilize Cofferdams if water is back flowing into work
- 4. Pump Around discharge shall not be outleted directly into stream.

LEGEND



Revetment or Class 1 Riprap on Geotextile, Type 2B



Temporary Check Dam, Revetment Riprap



—— SF —— Filter Sock or Silt Fence

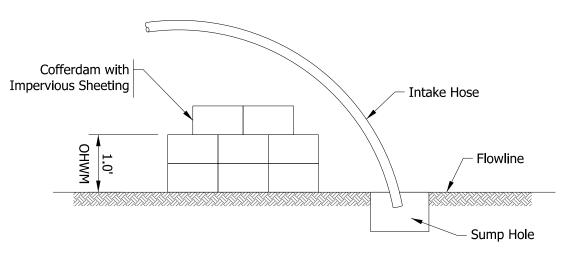


Erosion Control Blanket

Temporary Diversion Ditch



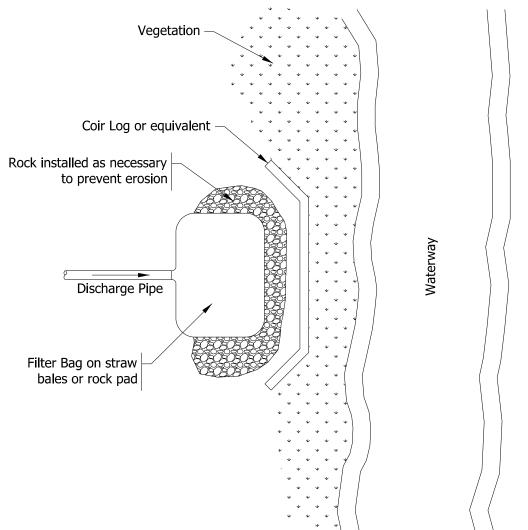
Inlet Protection



COFFERDAM / SUMP HOLE WORK AREA DETAIL Not to Scale

DEWATERING INSTALLATION NOTES

- The Contractor shall provide, operate, and maintain Dewatering Systems of sufficient size and capacity to permit excavation and subsequent construction in dry conditions.
 The Conctractor shall inspect dewatering setups each workday and maintain for effective operating condition. Maintenance of dewatering setups should be proactive, not reactive. Inspect as soon as possible (and always within 24 hours) following a storm that causes surface erosion, and perform necessary maintenance.
- 3. Where dewatering setup has failed, repair or replacement should be initiated upon discovery of the
- 4. Dewatering setup to be removed after work in waterway is complete.
- 5. Area to be stabilized with riprap, where riprap from dewatering setup can be incorporated into final, permanent riprap or with INDOT seed mix type R.
- 6. The Contractor must use filter bags for dewatering trenches. Filter bag shall be placed as far
- downstream as possible, on level pad, discharging to a ditch and not directly into a storm sewer.

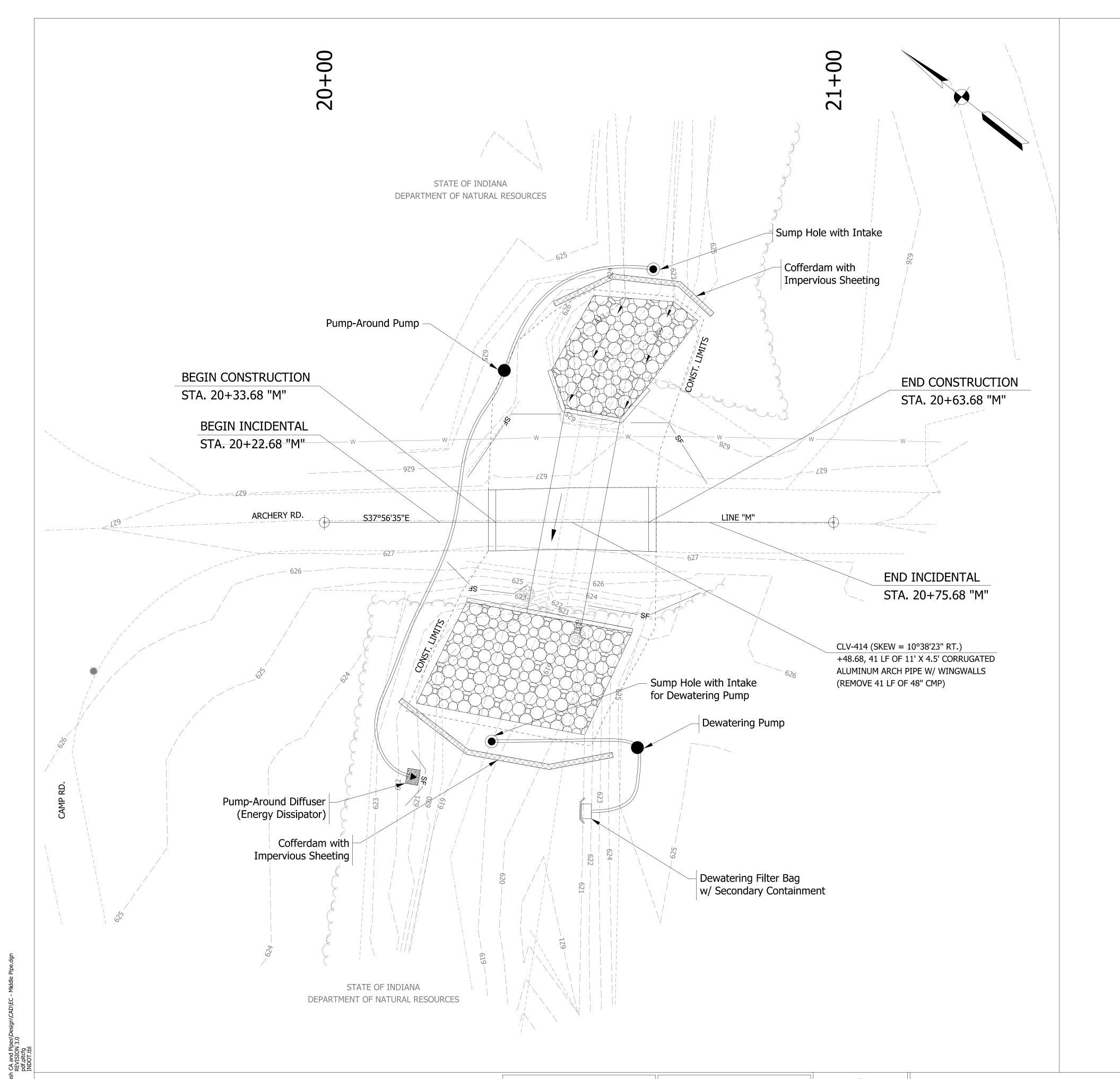


DEWATERING FILTER BAG DETAIL Not to Scale

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INDIANA DEPARTMENT	1" = 10'	
OF NATURAL RESOURCES	VERTICAL SCALE	DESIGNATION
OF NATURAL RESOURCES	N/A	
EDOCIONI CONTROL CLIEFT	SURVEY BOOK	SHEETS
EROSION CONTROL SHEET		7 of 16
CAMP RD - CLV - 93826	CONTRACT	PROJECT
CAMP RD - CLV - 93020		2409635019



EROSION CONTROL NOTES

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- 3. Protect existing inlets with Inlet Protection where there is potential to be impacted by sediment and/or debris from construction. Inlet Protection must be below grate with overflow capacity.
- 4. See plans for final placement of Riprap.
- 5. Do not disturb wetlands outside of construction limits.

PUMP-AROUND NOTES

- Adjust outlet stabilization if bank erosion is present.
- Adjust Pump capacity as necessary to handle stream water volume. Repair leaks and/or otherwise stabilize Cofferdams if water is back flowing into work
- Pump Around discharge shall not be outleted directly into stream.

LEGEND

Revetment or Class 1 Riprap on Geotextile, Type 2B



Temporary Check Dam, Revetment Riprap



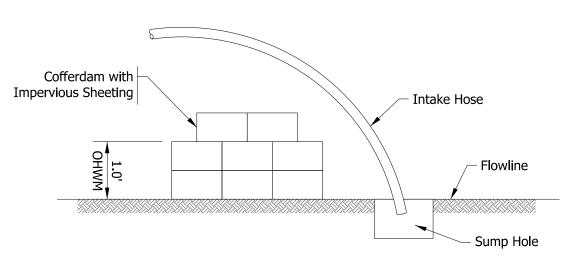
►►► Temporary Diversion Ditch



Erosion Control Blanket



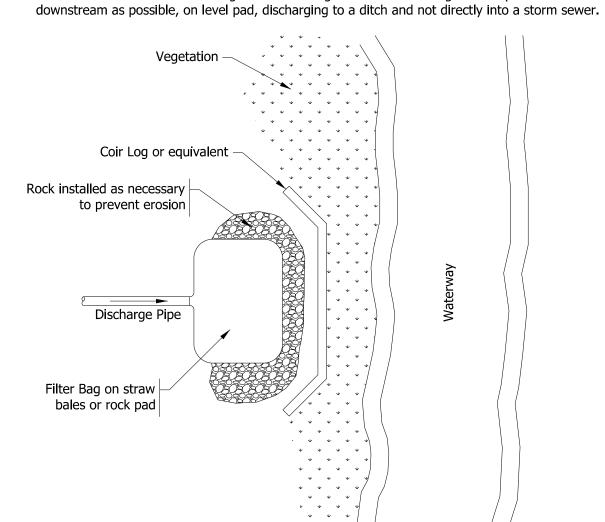
Inlet Protection



COFFERDAM / SUMP HOLE WORK AREA DETAIL Not to Scale

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- 5. Area to be stabilized with riprap, where riprap from dewatering setup can be incorporated into final, permanent riprap or with INDOT seed mix type R.
- 6. The Contractor must use filter bags for dewatering trenches. Filter bag shall be placed as far

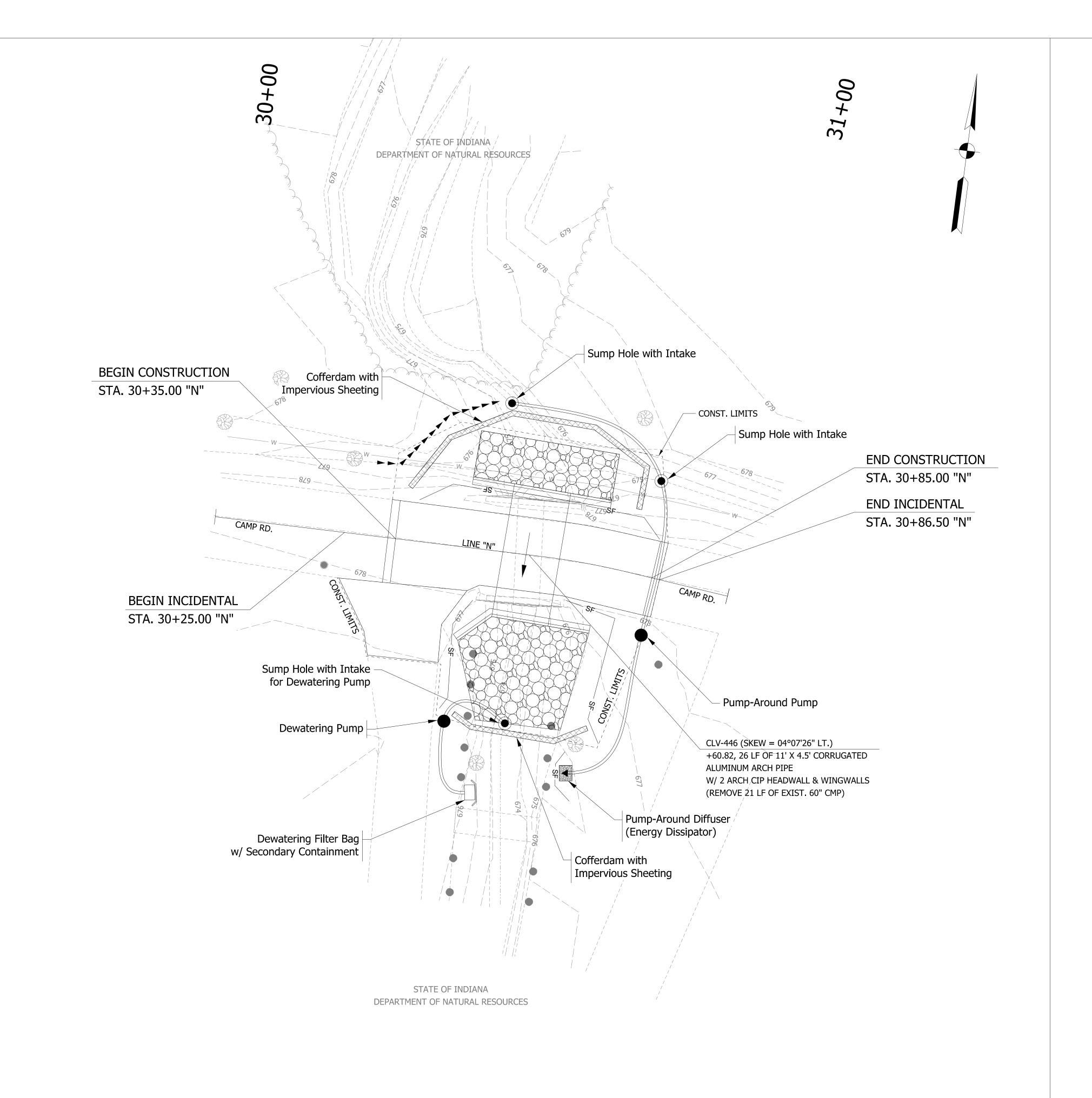


DEWATERING FILTER BAG DETAIL Not to Scale

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OF NATURAL RESOURCES	VERTICAL SCALE	DESIGNATION
OF NATURAL RESOURCES	N/A	
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EROSION CONTROL SHEET		8 of 16
ARCHERY ROAD - CLV-414	CONTRACT	PROJECT
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PUMP-AROUND NOTES

- Adjust outlet stabilization if bank erosion is present.
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- 4. Pump Around discharge shall not be outleted directly into stream.

LEGEND



Revetment or Class 1 Riprap on Geotextile, Type 2B



Temporary Check Dam, Revetment Riprap



—— SF — Filter Sock or Silt Fence

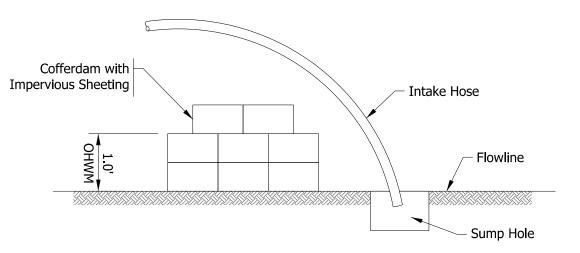


Erosion Control Blanket



Inlet Protection

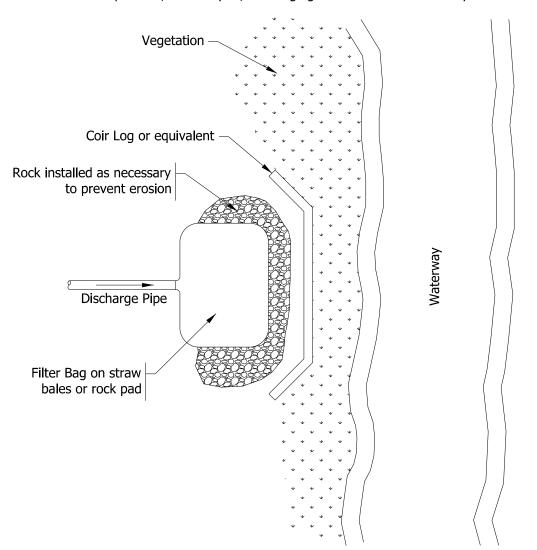
► ► ► Temporary Diversion Ditch



COFFERDAM / SUMP HOLE WORK AREA DETAIL Not to Scale

DEWATERING INSTALLATION NOTES

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- downstream as possible, on level pad, discharging to a ditch and not directly into a storm sewer.



DEWATERING FILTER BAG DETAIL Not to Scale

CONTRACT

BRIDGE FILE

DESIGNATION

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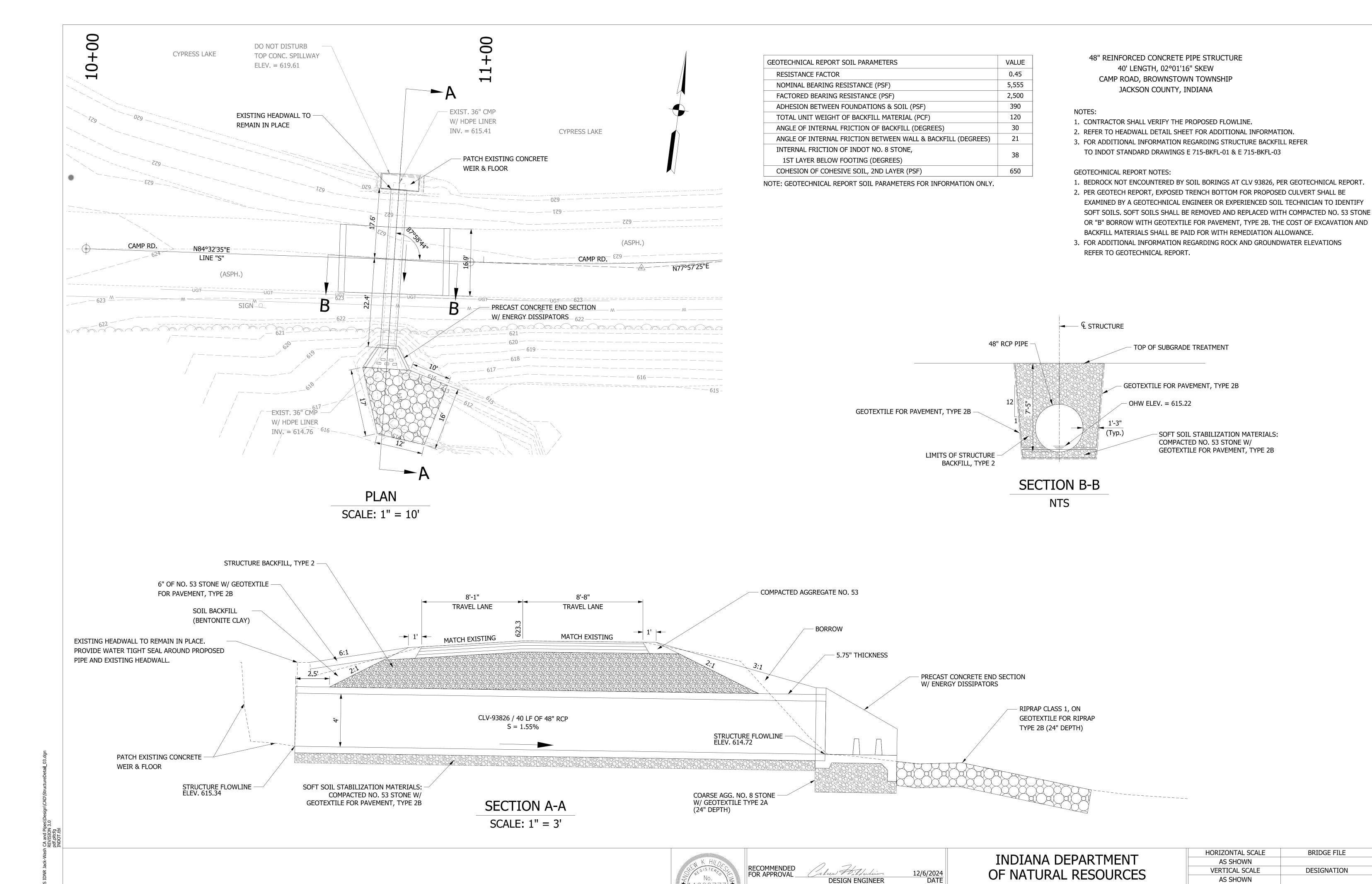
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SURVEY BOOK

CONTRACT

STRUCTURE DETAIL SHEET

CAMP ROAD - CLV-93826

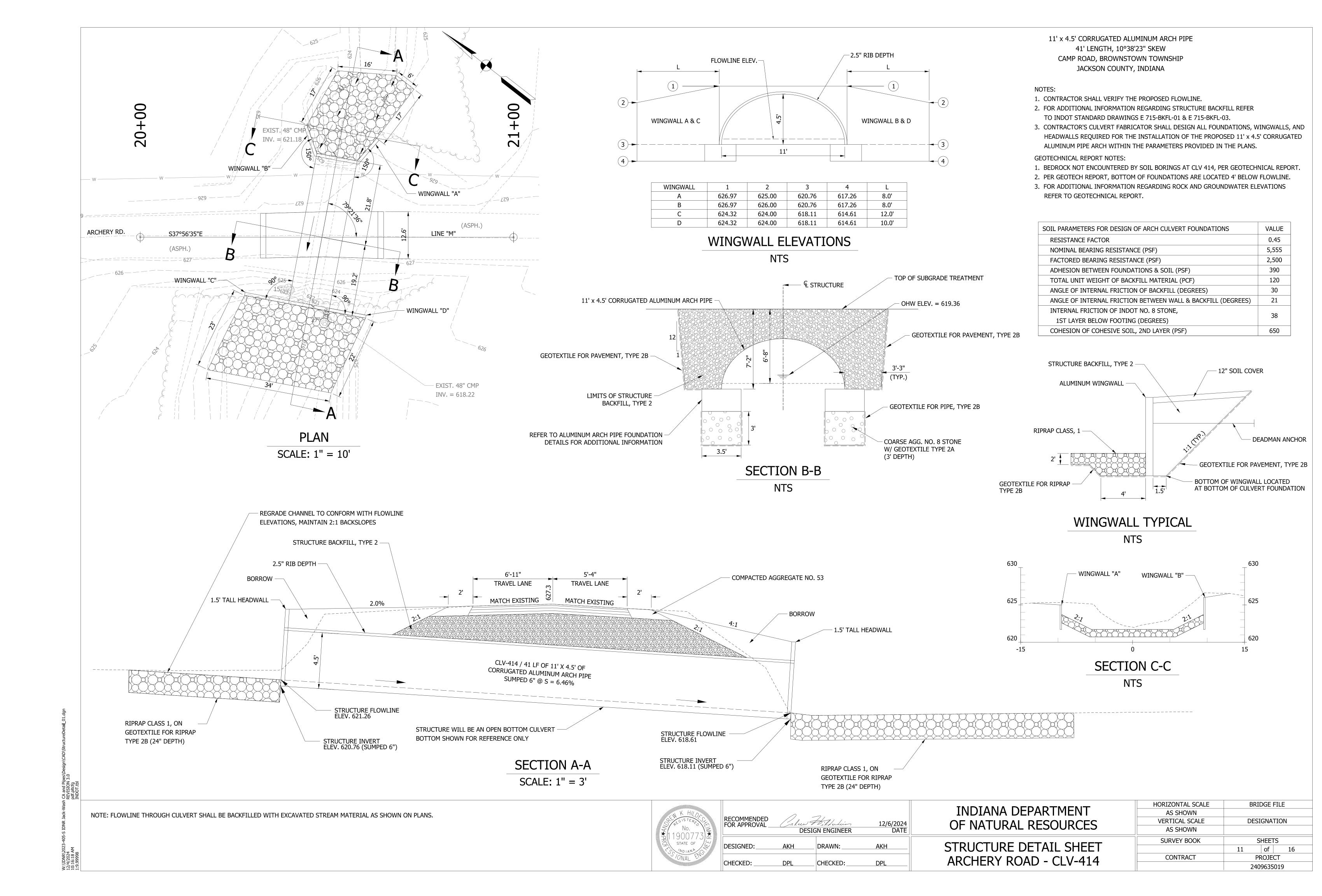
SHEETS

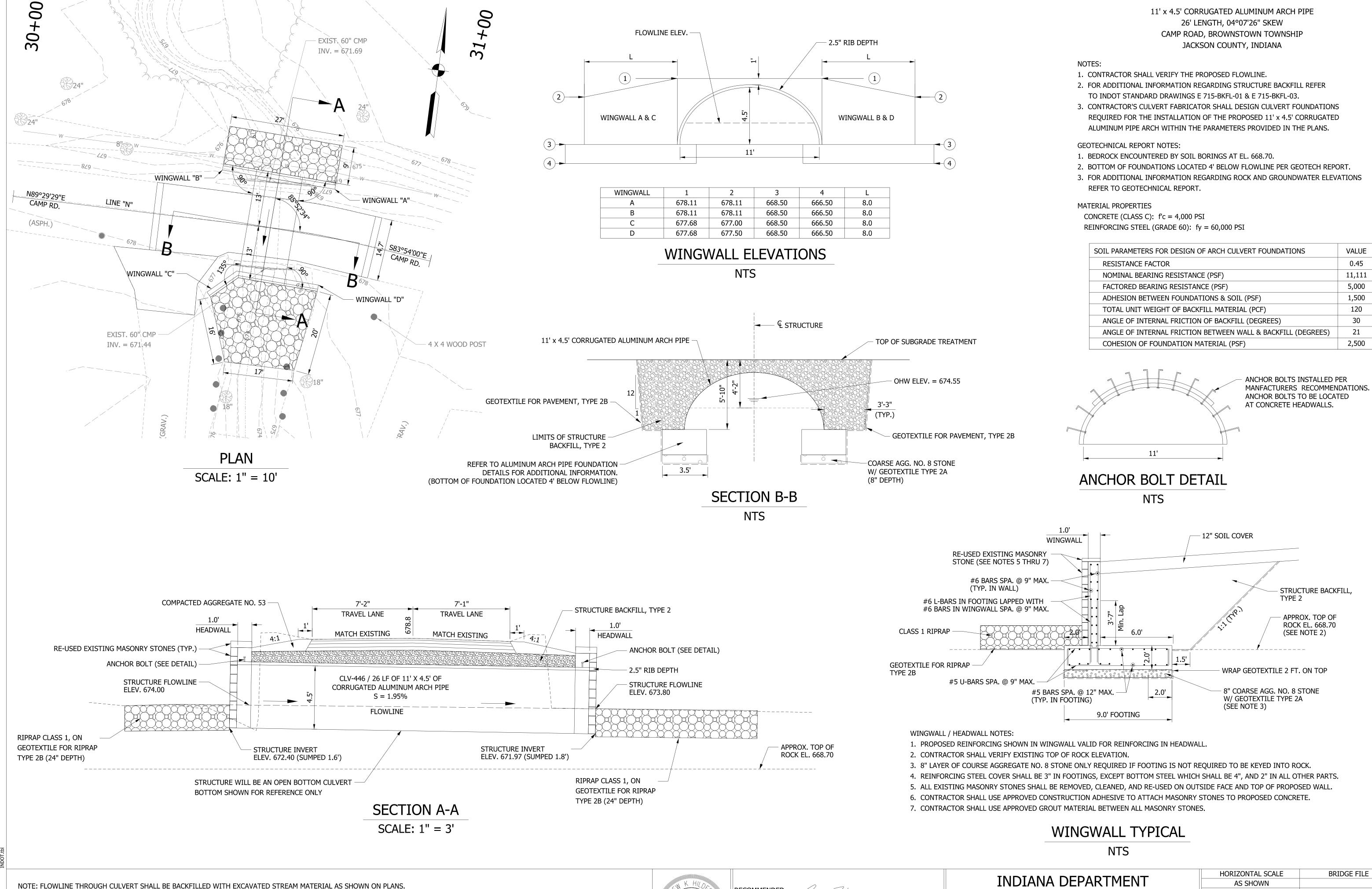
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OF NATURAL RESOURCES

STRUCTURE DETAIL SHEET

CAMP ROAD - CLV-446

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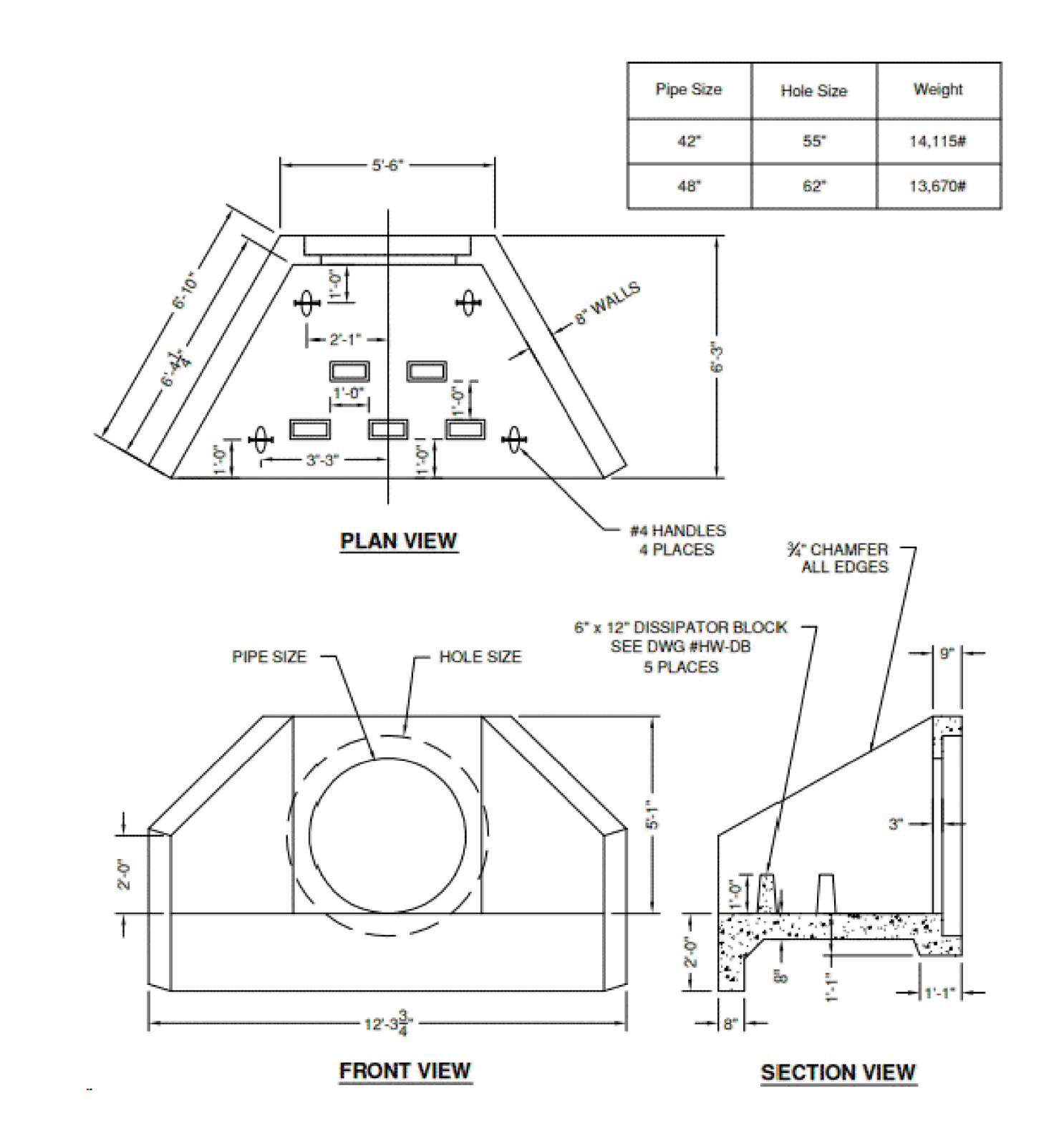
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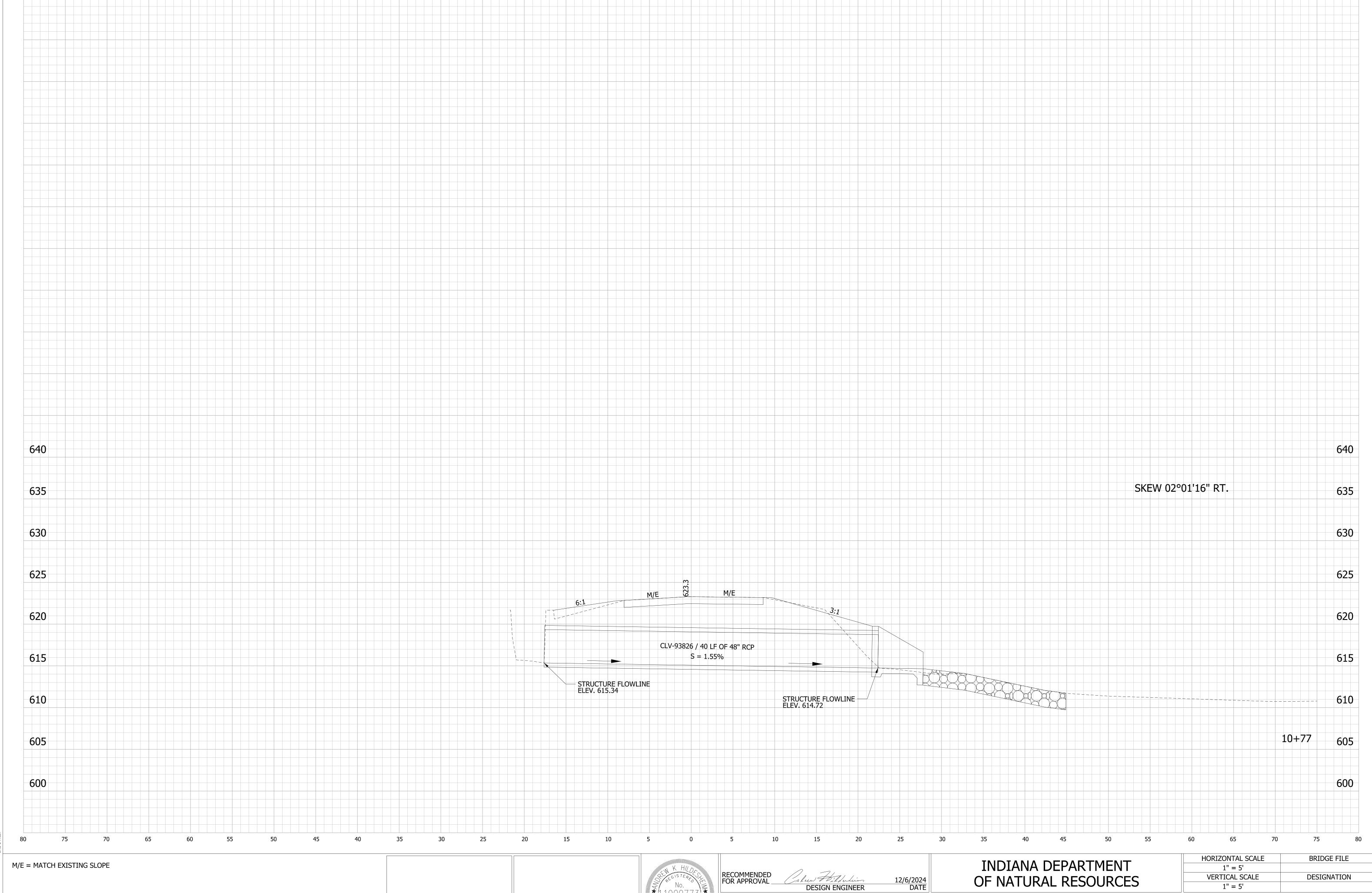
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48" RCP - HEADWALL DETAIL	CONTRACT	PROJECT		
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14 of 16

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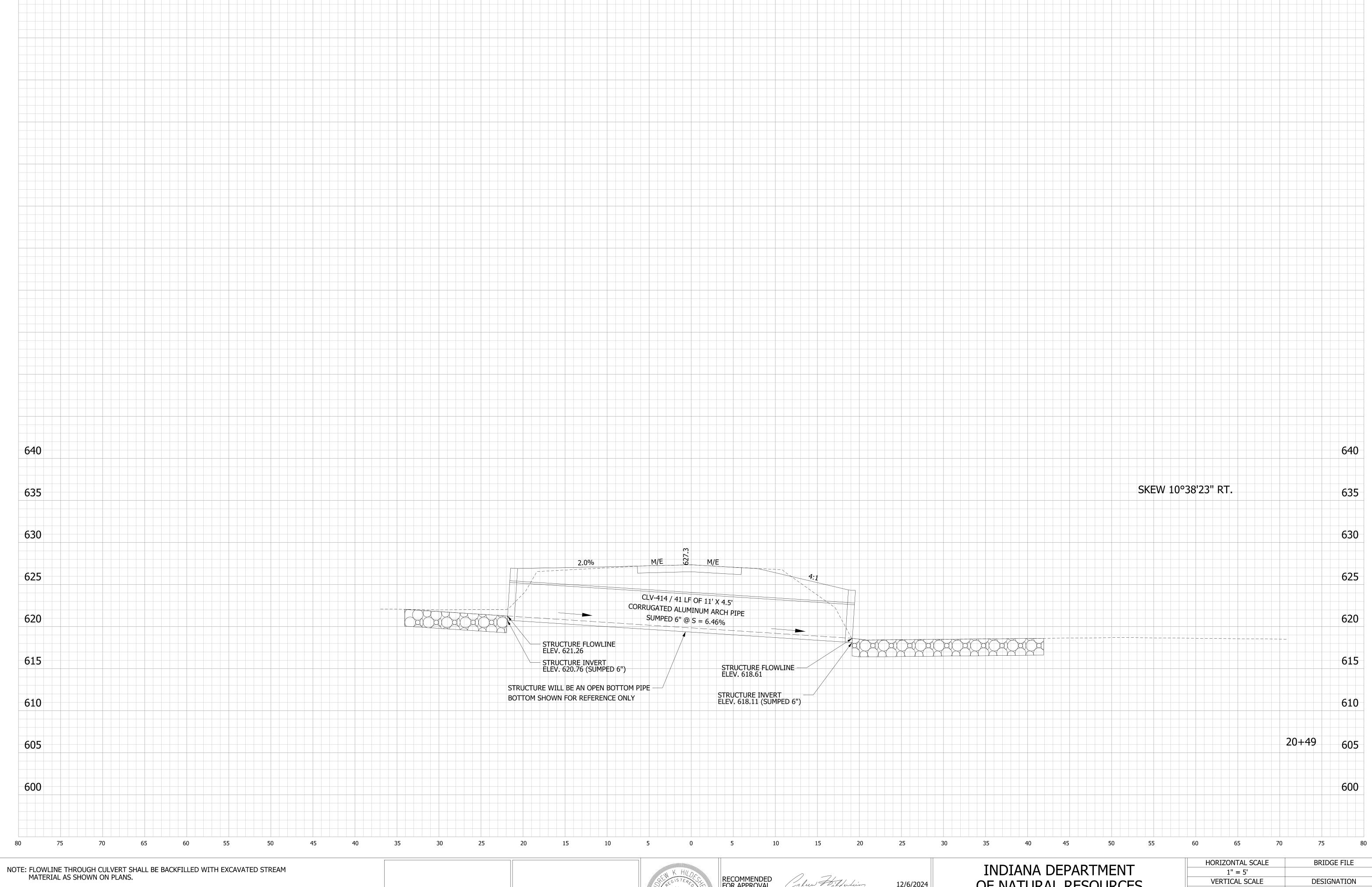
SURVEY BOOK

CONTRACT

PIPE SECTION - LINE "S"

CLV - 93826

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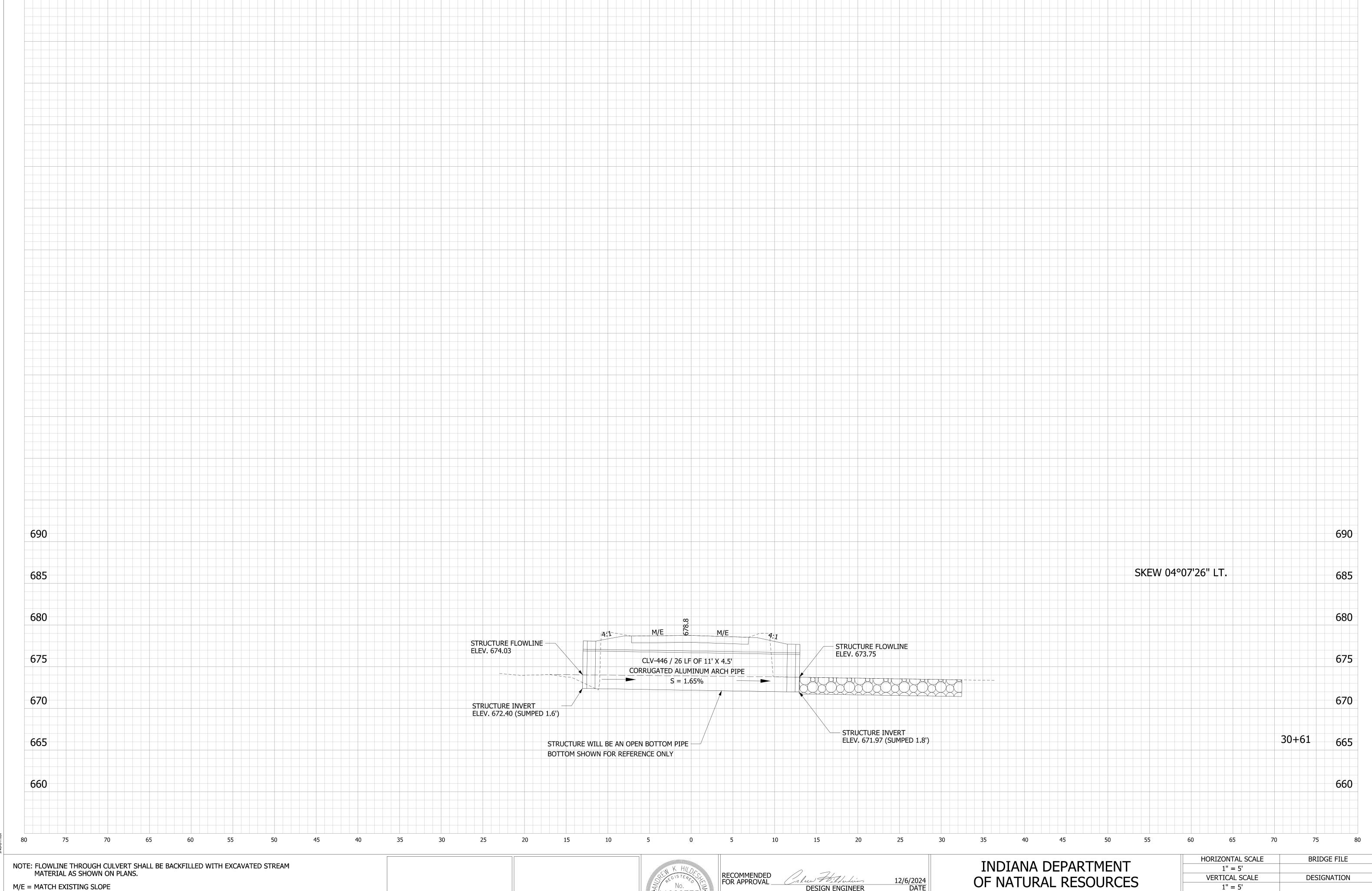


M/E = MATCH EXISTING SLOPE



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SURVEY BOOK PIPE SECTION - LINE "N" CONTRACT CLV - 446

SHEETS

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