



ADDENDUM #2

To: Known Qualified Firms
From: Porter Co. Dept. of Development & Storm Water Management
Date: March 9, 2021
Subject: Ludington Ditch, Arm 19 – Ditch Reconstruction
Construction Services

The attention of all known qualified firms are called to the following Addendum.

This Addendum, designated as Addendum #2, is hereby included in and made a part of the Request for Quotes, whether or not attached thereto. Except as modified by this Addendum, all requirements of the Request for Quotes shall remain in full force and effect.

Firms shall acknowledge the receipt of this Addendum #2 on his or her quote form.

Clarifications & Modifications

The following clarifications and/or modifications to the Request for Quotes are being provided or are being made by the Department in response to questions posed and/or as determined necessary by the Department and are hereby included in and made a part of the Request for Quotes.

PRE-SUBMITTAL MEETING MINUTES & SIGN-IN SHEET

1. The pre-submittal meeting minutes and sign-in sheet are attached to this Addendum. Please note that the meeting minutes may contain clarifications related to work items that should be should considered when preparing quotes for this project.

BASIS OF QUOTE FORM

2. Basis of Quote Form

The Basis of Quote Form has been revised to further clarify the quantities and cost of installation of erosion control blanket on the ditch side slopes and ditch bottom, as well as the addition of a second temporary construction entrance. The revised Basis of Quote Form is attached in this Addendum #2. **Please submit such revised Basis of Quote Form with your response.**

CONSTRUCTION PLANS/TECHNICAL SPECIFICATIONS

3. Erosion Control Blanket

To clarify, erosion control blanket will be placed in the ditch bottom (i.e. toe of slope to toe of slope) during the performance of the work only if it is dry during the performance of the work. Please provide a price for Item No. 8B – Erosion Control Blanket, NAG C125BN on the attached revised Basis of Quote Form. It may be determined during the performance of the work that the installation of erosion control blanket on the ditch bottom is not necessary due to site conditions.

4. Temporary Construction Entrance

The construction plans have been revised to include a second temporary construction entrance off of CR 100 W to allow for the existing farm lane to be used as a construction access route. The farm lane shall be restored to as near a condition as possible that existing prior to the start of work.



PUBLIC OPENING OF QUOTES

5. Public Opening of Quotes

As stated in the Request for Quotes, quotes will be opened at 10:00 a.m., or as soon thereafter as possible, on Thursday, March 11, 2021, at a public opening of quotes to be held at 10:00 a.m. local time at the Porter Co. Administration Center, 155 Indiana Ave., Ste. 311, Valparaiso, Indiana 46383. In accordance with the Department's COVID-19 Safety & Action Plan, the pre-public opening of quotes will also be conducted live via videoconference. All respondents, as well as members of the public, are welcome to attend and participate in the opening of quotes, either in person or via videoconference.

The following information may be used to access and participate in the videoconference.

Join Zoom Meeting:

<https://us02web.zoom.us/j/88940509393?pwd=dzE2QTdHSnBSa1E2Ujk2Q0VlVGE5dz09>

Meeting ID: 889 4050 9393

Passcode: Au7nGz

At the meeting, quotes will be opened and, unless obviously non-responsive, read aloud publicly. Respondents are invited to be present at the opening of quotes. An abstract of the total quotes will be made available to respondents after the opening of quotes.

ATTACHMENTS

- PRE-SUBMITTAL MEETING MINUTES & SIGN-IN SHEET
- REVISED BASIS OF QUOTE FORM
- REVISED CONSTRUCTION PLANS

MINUTES

March 8, 2021, 10:00 am
155 Indiana Ave., Ste. 311 and Video Conference
Pre-Submittal Meeting
Ludington Ditch, Arm 19 -Ditch Reconstruction

1. Sign-in and Introductions

2. Project Overview

The project is located in Section 27, Township 34 North, Range 6 West, in Porter Township, Porter County, Indiana. The project is located in a regulated drainage easement and runs from CR 450 S to the confluence of Ludington Ditch, Arm 19 with Ludington Ditch. The project consists of clearing and tree removal, mowing, and reconstructing the existing ditch. Excess excavated material will be disposed of on-site by spreading within the regulated drainage easement.

3. Overview of Request for Quotes & Submittal Requirements

- A. Quote Form
- B. Basis of Quote Form
 - i. Base Quote
- C. Contractor's Certifications, Statements, Affidavits, and Representations Form
- D. Contractor's Financial Statement
- E. Contractor's Oath and Affirmation Form

4. Project Description

- A. Installation of 40 LF of 117" x 79" CMP culvert.
 - i. Culvert will be provided by owner.
- B. Mowing and Clearing & Tree Removal.
 - i. On-site Burning Allowed
- C. Channel excavation.
- D. Grading, Ditches, & Swales.
- E. Shaping, Trimming, & Finishing, Excess Excavated Material.

5. Other Items

- A. Overview of important General Conditions.
- B. Questions during RFQ process.
- C. Quotes will remain open for 60 calendar days.
- D. Lowest, responsive and responsible respondent will be awarded contract.
- E. Acknowledgement of Addenda
- F. Successful Contractor to provide the following within 10 days of NOA
 - i. Executed Contract and Certificates of Insurance.

- ii. E-Verify Affidavit and Certification Regarding Investment in Iran.
- G. Contractors shall inform themselves of existing site conditions and all conditions affecting the performance of the work.
- H. Minority and Women's Business Enterprises
 - i. Goals for this project are 7% MBE and 5% WBE participation.
 - ii. MBEs and WBEs must be certified.
- I. Owner is exempt from State Sales Tax on materials to be incorporated into the work. Sales and use tax on such materials shall not be included in quotes.
- J. Utility Coordination
 - i. Contractor shall confirm location and depth of utilities prior to start of work.

6. Notable Dates

- A. Pre-Submittal Meeting: March 8, 2021
- B. Last Day for Questions: Tues., March 9 9:00 am local time. Final addendum to be issued by 4:30 pm local time, Tues., March 9.
- C. Quote Submittal: Thursday, March 11, 2021 10:00 am local time, Department of Development and Storm Water Management of Porter Co. 155 Indiana Ave., Ste. 311, Valparaiso, Indiana 46383.
- D. Quote Opening: Thursday, March 11, 2021 10:00 am local time, at the Storm Water Management Board meeting, 155 Indiana Ave., Ste. 311, Valparaiso, Indiana 46383.
- E. Substantial & Final Completion:
 - i. Substantial Completion – April 30, 2021
 - ii. Final Completion – May 15, 2021

7. Questions

Q1: Can the farm lane along the north bank of Ludington Ditch be utilized as an access route?

A1: Yes, the farm lane can be utilized as an access route. The farm lane shall be restored to as near a condition as possible or better that existed prior to the start of work. Addendum #2 includes a second temporary construction entrance to account for the use/potential use of this access route.

Q2: Can straw mulch be used rather than erosion control blanket since the project takes place in the spring, and grass seed will grow quickly?

A2: Straw mulch cannot be used within the ditch cross section. Erosion control blanket needs to be used from top of bank to top of bank to provide temporary stabilization of the freshly graded ditch bank. Straw mulch can be used in areas outside of the ditch cross section. A minimum of 2 rolls wide (preferably 8 foot wide rolls) should be used on the ditch banks. Any remaining exposed ditch bank near the top of bank may be restored with topsoil, fertilizer, ditch seed, and straw mulch. The quantities on the revised basis of quote form are based on an 8 foot wide roll for the ditch bottom, and two 6 2/3 foot wide rolls on the ditch bank.



Q3: Does erosion control blanket need to be installed in the bottom of ditch if there is continuous flow through the ditch?

A3: No, if the ditch has constant water in the bottom of ditch, erosion control blanket will not be installed in the ditch bottom. If the ditch has a dry bottom, then erosion control blanket will be installed. Addendum #2 provides separate pay items for the erosion control blanket to account for this.

Q4: Do the stumps within the ditch bank need to be removed? If so, how should they be disposed of?

A4: Yes, the stumps need to be removed from the ditch bank, as part of the channel excavation work item. They can be ground or burned on site per the technical specifications.

Q5: Does clearing and tree removal include the tree located on Christopher Vann's property?

A5: The specifications generally exclude the removal of larger and/or specimen trees. However, the tree may need to be removed if it does not allow for the excavation and grading of the ditch.

Q6: In some areas, the existing bottom width of the ditch is approximately 10 feet. Should the proposed bottom width match the existing, or should it be filled in to the proposed 5 foot bottom width?

A6: The project requires the excavation of approximately 2-3 feet of material. The channel should be excavated to 5 feet wide, per the contract documents. The new channel should be blended with the existing ditch banks to create a uniform toe of slope which may require filling in the stream banks in some areas.

Q7: Can a bypass pump be set up to allow for overland flow approximately 1000 feet to the west?

A7: No, there is not a defined channel in that area, and the overland flow returns to Ludington Ditch, Arm 19 via sheet flow/shallow concentrated flow. As the work proceeds upstream, cofferdam bypass pumping can be set up to dewater individual work areas from the channel.

Q8: Can INDOT No. 2 be used instead of INDOT No. 5 for the rock apron?

A8: Yes.

Q9: There is a small section of chain link fence on the residential property. Is the fence to be removed and not replaced?

A9: The fence can be removed and does not need to be reset.

Q10: What are the frost law limits for trucks?

A10: Select roads are closed under the frost law, rather than all roads. The frost law does not affect the roads in the vicinity of this project.

Q11: Can the spoil from the upstream portion of the project be spread in the residential area?

A11: If the spoil is suitable topsoil, then it can be used to restore the disturbed areas within the residential areas. The remaining spoil shall be spread in the spoil disposal areas shown on the construction plans.

LUDINGTON DITCH, ARM 19 - DITCH RECONSTRUCTION
 PRE-SUBMITTAL MEETING
 March 8, 2021 (11:00 AM CST)

NAME	COMPANY	ADDRESS	OFFICE/CELL/FAX	EMAIL
Michael Novotney	Porter Co. Dept. of Development and Storm Water Management	155 Indiana Ave.,Ste. 311 Valparaiso, IN 46383	Office: (219) 465-3507	mnovotney@porterco.org
			Cell: (219) 307-3311	
			Fax: (219) 465-3543	
Chelsey Gordon	Porter Co. Dept. of Development and Storm Water Management	155 Indiana Ave.,Ste. 311 Valparaiso, IN 46383	Office: (219) 465-3652	chelsey.gordon@porterco.org
			Cell: (219)252-7499	
			Fax:	
Chris Juda	GOUGH INC	2200 88TH DR MERRILLVILLE IN	Office:	cjuda@goughinc.com
			Cell: 219 702 2067	
			Fax:	
Bob Caultayan	Greenline	112w. 450 50 Kouts	Office:	BobC@adl.com
			Cell: 219 405-2711	
			Fax:	
			Office:	
			Cell:	
			Fax:	
			Office:	
			Cell:	
			Fax:	

SECTION II. BASIS OF QUOTE FORM
(Please type or print)

This Basis of Quote Form is to be submitted by respondent, as an attachment to the Quote Form, for the project designated as **Ludington Ditch, Arm 19 – Ditch Reconstruction**. It is to include an entry for all work items listed, including all base work items, all items “as ordered by Engineer”, if any, all additive work items, if any, and all alternate work items, if any, as well as a total quote, in both words and figures, as provided for below..

Respondent will perform all work specified or indicated in the contract documents in accordance with terms and conditions of such contract documents for the following price(s):

BASE WORK ITEMS

ITEM	DESCRIPTION	UNIT	QTY.	UNIT PRICE	EXT. PRICE
1	MOBILIZATION & DEMOBILIZATION	LS	1		
2	CONSTRUCTION LAYOUT & SURVEY	LS	1		
3	AS-BUILT DRAWINGS	LS	1		
4	TEMPORARY CONSTRUCTION ENTRANCE (AS ORDERED BY ENGINEER)	EA	2		
5	MOWING	AC	1.7		
6	CLEARING & TREE REMOVAL	AC	2.3		
7	CHANNEL EXCAVATION	CY	3,167		
8A	GRADING DITCHES & SWALES	LF	2,635		
8B	EROSION CONTROL BLANKET, NAG S75BN (DITCH SIDE SLOPES)	SY	7,807		
8C	EROSION CONTROL BLANKET, NAG C125BN (DITCH BOTTOM)	SY	2,343		
9A	CULVERT, 117”X79” CMP, 12 GA., PLAIN (PROVIDED BY OWNER)	LF	40		
9B	EXCAVATION FOR CULVERT	CY	187		
9C	DEWATERING FOR CULVERT	LS	1		
9D	BEDDING & INITIAL BACKFILL FOR CULVERT	CY	72		
9E	FINAL BACKFILL FOR CULVERT	CY	19		
10	ROCK APRON	SY	22		
11	SHAPING, TRIMMING & FINISHING, SURPLUS EXCAVATED MATERIAL	CY	3,335		
TOTAL QUOTE (I.E., TOTAL OF ALL EXTENDED PRICES, ITEMS 1-11):					

Respondent's total quote for the work, which is the sum of the respondent's extended price(s) for the base work items, is:

**TOTAL QUOTE
(IN FIGURES):** _____

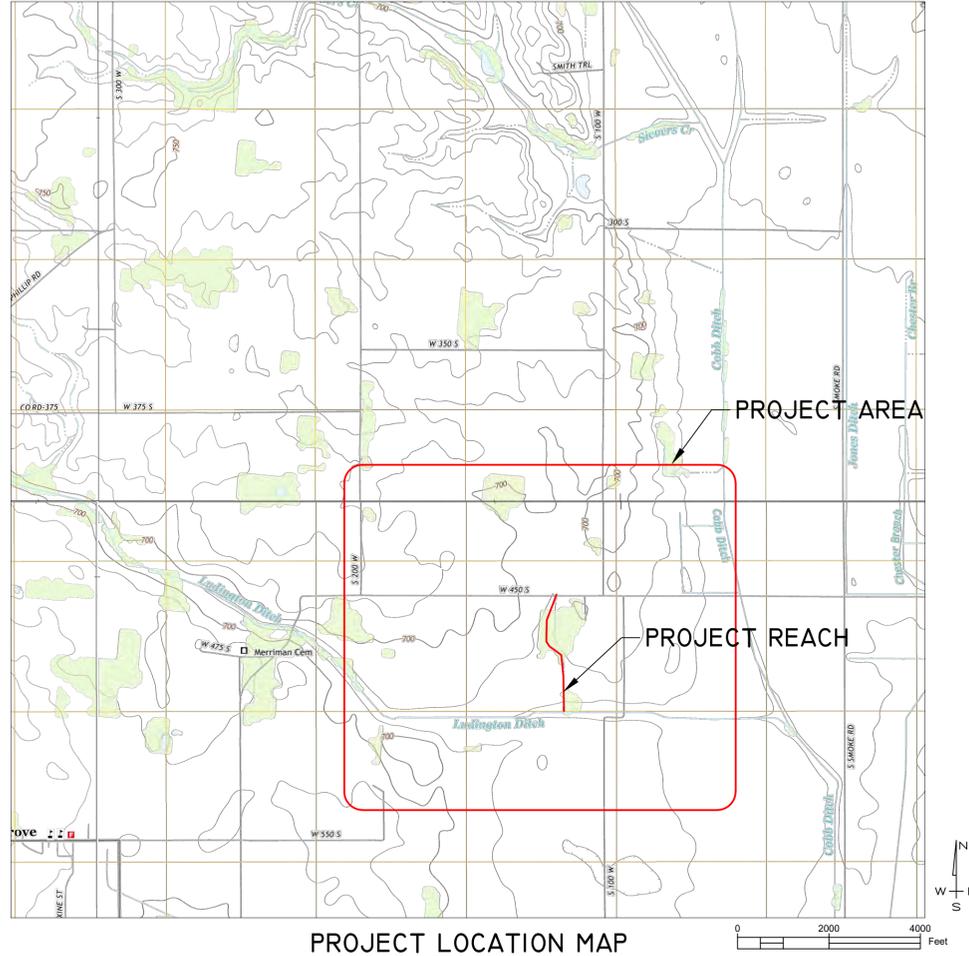
**TOTAL QUOTE
(IN WORDS):** _____

Respondent acknowledges that the quantities of items of unit price work included on this Basis of Quote Form are not guaranteed and are provided solely for the purposes of comparing quotes, establishing pay item unit prices, and determining an initial contract price. Except as otherwise stated in the contract documents, payment to the successful respondent will be based upon the actual quantities of work performed, the acceptance of such work and the determination of such quantities to be made by the Engineer in accordance with the contract documents.

PORTER CO. DEPT. OF DEVELOPMENT & STORM WATER MANAGEMENT LUDINGTON DITCH, ARM 19 - DITCH RECONSTRUCTION PORTER COUNTY, IN

OWNER:
PORTER CO. DEPT. OF DEVELOPMENT &
STORM WATER MANAGEMENT
ATTN: MICHAEL E. NOVOTNEY, P.E.
155 INDIANA AVE. STE. 311
VALPARAISO, IN 46383
P: (219) 465-3530

ENGINEER:
PORTER CO. DEPT. OF DEVELOPMENT &
STORM WATER MANAGEMENT
ATTN: MICHAEL E. NOVOTNEY, P.E.
155 INDIANA AVE. STE. 311
VALPARAISO, IN 46383
P: (219) 465-3530



- SHEET INDEX:**
1. COVER
 2. PLAN
 3. PROFILE
 4. DETAILS

NO.	DATE	REVISION	BY
1	2/23/21	INTERNAL REVIEW	CRG
2	3/9/21	ADDENDUM #2	CRG

DESIGNED:	CRG
DRAWN:	CRG
CHECKED:	MEN
DATE:	6/21/19
PROJECT NO.:	P21-013



**The Department of
DEVELOPMENT &
STORM WATER
MANAGEMENT**
Porter County, Indiana

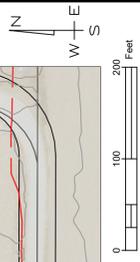
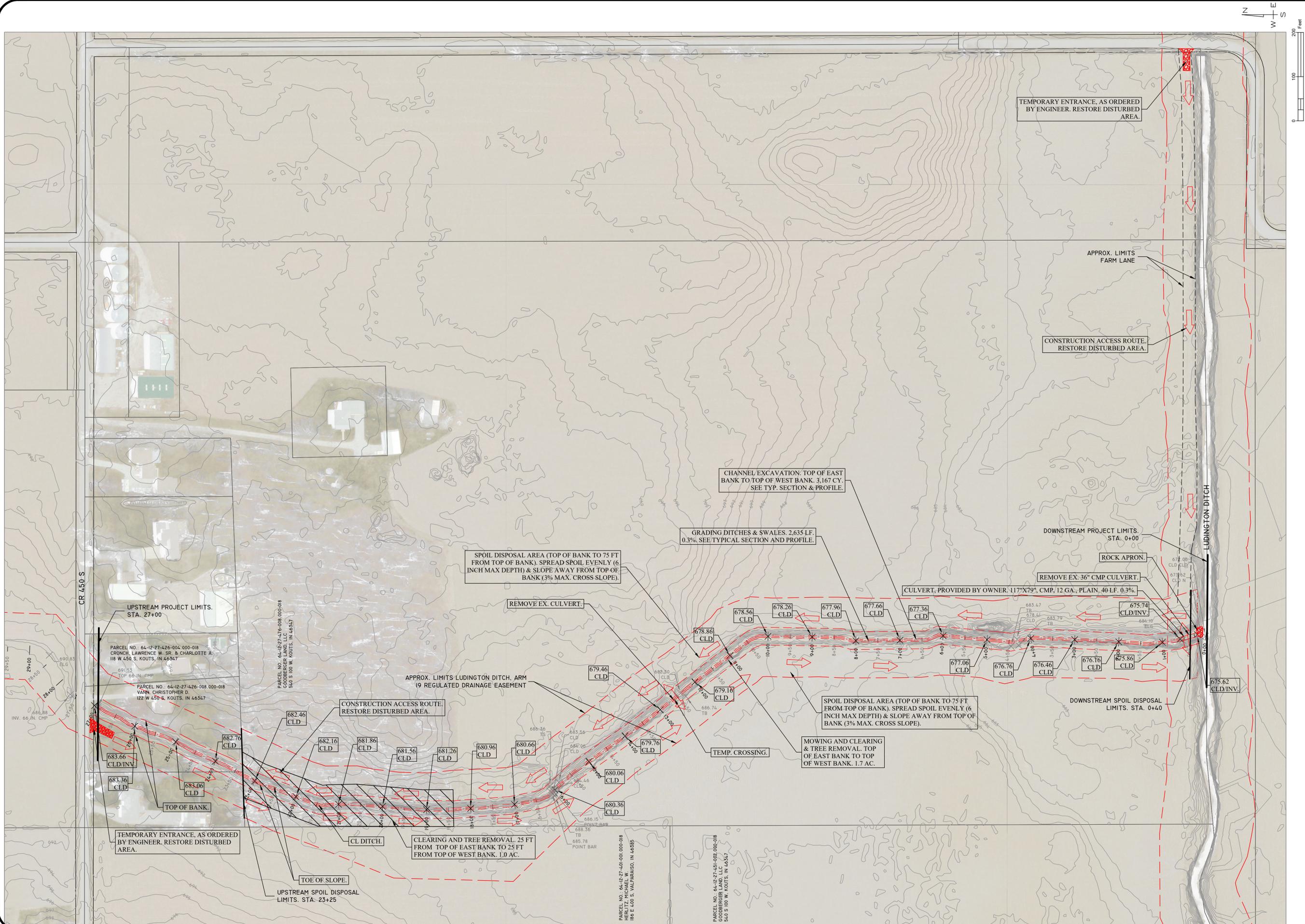
PROJECT:	LUDINGTON DITCH, ARM 19 - DITCH RECONSTRUCTION
LOCATION:	CR 450 S TO CONFLUENCE W/ LUDINGTON DITCH
SHEET TITLE:	SHEET 1 - COVER

I, THE UNDERSIGNED, A PROFESSIONAL ENGINEER REGISTERED WITH THE STATE OF INDIANA, WHOSE LICENSE IS IN GOOD STANDING, HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION.

MICHAEL E. NOVOTNEY, PE
INDIANA LICENSED PROFESSIONAL ENGINEER NO. PE11600602
EXPIRES 7/31/2022

APPROVED FOR CONSTRUCTION BY: _____
MICHAEL E. NOVOTNEY, PE
COUNTY ENGINEER

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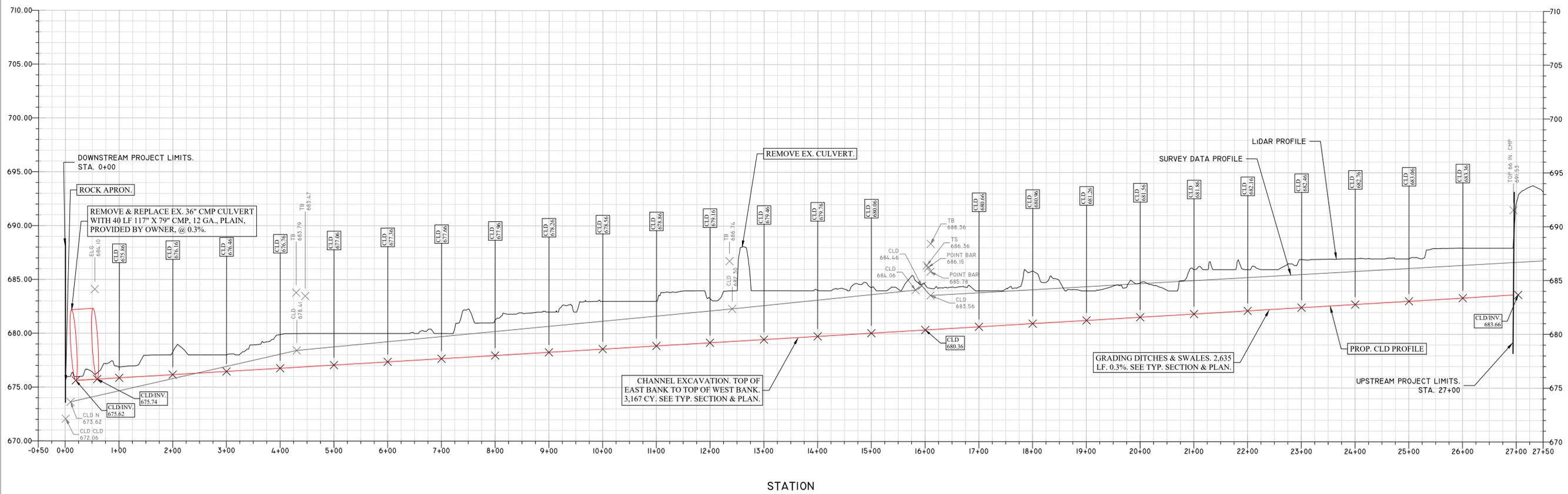
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The Department of
**STORM WATER
MANAGEMENT**
Porter County, Indiana

PROJECT: LUDINGTON DITCH, ARM 19 - DITCH RECONSTRUCTION
 LOCATION: CR 450 S TO CONFLUENCE W/ LUDINGTON DITCH
 SHEET TITLE: SHEET 2 - PLAN

PROFILE VIEW OF LUDINGTON ARM 19



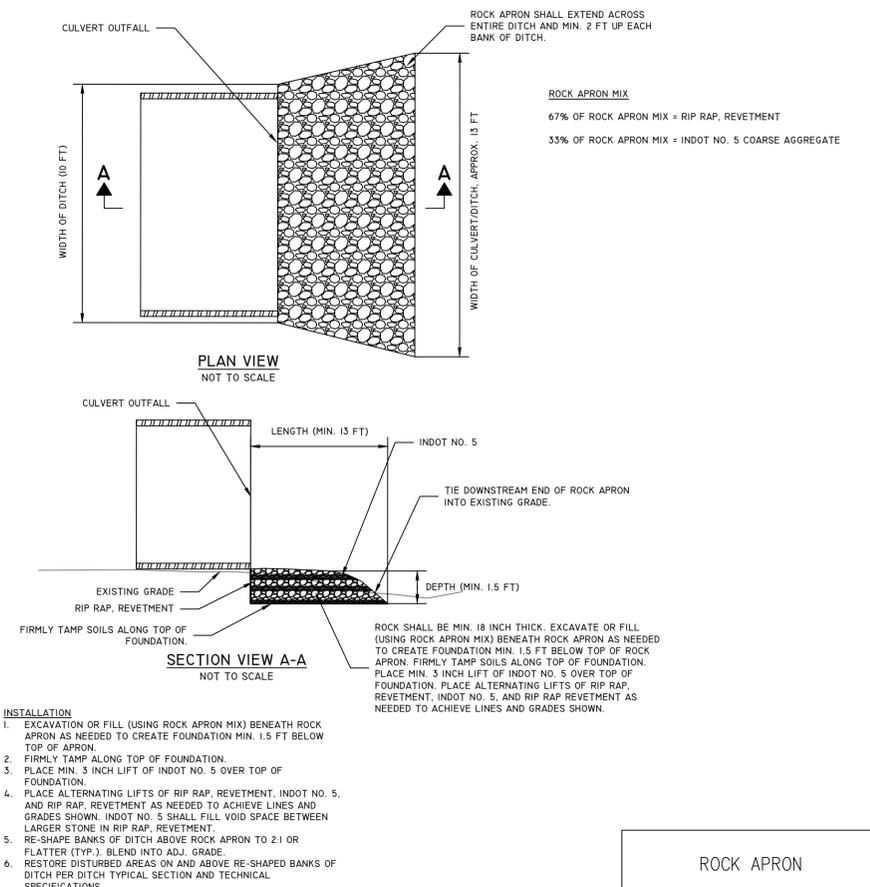
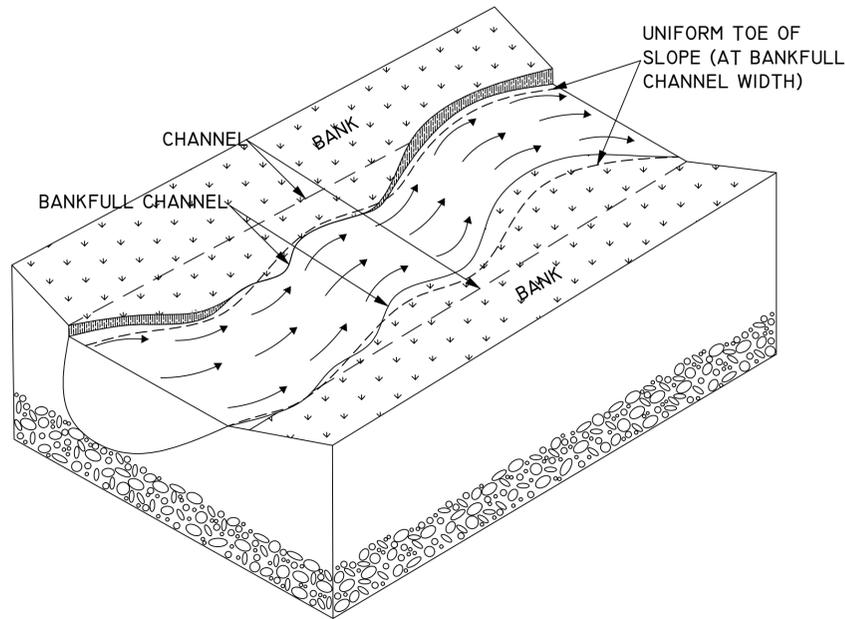
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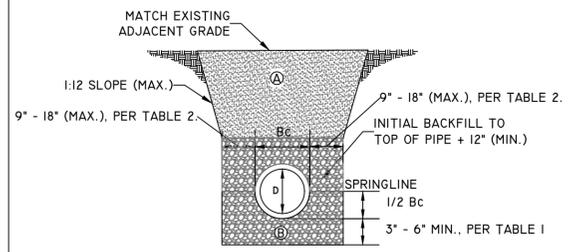
The Department of
**STORM WATER
MANAGEMENT**
Porter County, Indiana

PROJECT:	LUDINGTON DITCH, ARM 19 - DITCH RECONSTRUCTION
LOCATION:	CR 450 S TO CONFLUENCE W/ LUDINGTON DITCH
SHEET TITLE:	SHEET 3 - PROFILE



UNIFORM TOE OF SLOPE

ROCK APRON



LEGEND

(A) UNDER PAVEMENT AND/OR WITHIN 2 FT OF PAVEMENT, TRENCH BACKFILL SHALL BE USED. ELSEWHERE, SUITABLE EXCAVATED MATERIAL MAY BE USED. INSTALL FINAL BACKFILL & COMPACT IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS.

(B) CRUSHED STONE OR GRAVEL INDOT NO. 5, NO. 8, OR NO. 9 COARSE AGGREGATE WITH A 50% MECHANICAL CRUSH COUNT.

Bc PIPE OUTSIDE DIAMETER

NOTES:

- ALL BEDDING & INITIAL BACKFILL SHALL BE INSTALLED IN 8" LIFTS (MAX.) & COMPACTED IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS. BEDDING & INITIAL BACKFILL MATERIAL SHALL BE HAND PLACED AROUND THE HAUNCH AND SIDES OF THE PIPE TO ENSURE PROPER COMPACTION AND COMPLETE FILLING OF ALL VOIDS.

TABLE 1.

DEPTH OF BEDDING BELOW PIPE	
D	BEDDING (MIN.)
d ≤ 24 IN.	3 IN.
24 IN. ≤ d ≤ 60 IN.	4 IN.
d ≥ 60 IN.	6 IN.

TABLE 2.

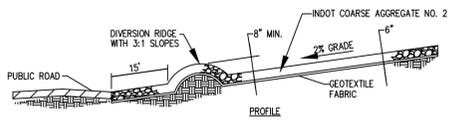
WIDTH OF TRENCH, EACH SIDE OF PIPE	
D	WIDTH (MAX.)
d ≤ 24 IN.	9 IN.
24 IN. ≤ d ≤ 60 IN.	12 IN.
d ≥ 60 IN.	18 IN.

STORM SEWER BEDDING AND BACKFILL

REQUIREMENTS: MATERIAL: 1-2.5 IN. WASHED STONE (INDOT CA NO. 2) OVER A STABLE FOUNDATION. THICKNESS: 6 IN. MINIMUM. WIDTH: 12 FT. MINIMUM OR FULL WIDTH OF ENTRANCE/EXIT ROADWAY, WHICHEVER IS GREATER. LENGTH: 50 FT. MINIMUM. THE LENGTH CAN BE SHORTER FOR SMALL SITES SUCH AS FOR AN INDIVIDUAL HOME, BUT SHALL BE OF SUFFICIENT LENGTH TO PREVENT TRACKING. WASHING FACILITY (OPTIONAL): LEVEL AREA WITH 3 IN. WASHED STONE MINIMUM OR A COMMERCIAL RACK, AND WASTE WATER DIVERTED TO A SEDIMENT TRAP OR BASIN. GEOTEXTILE FABRIC UNDERLINER: REQUIRED TO PROVIDE GREATER BEARING STRENGTH.

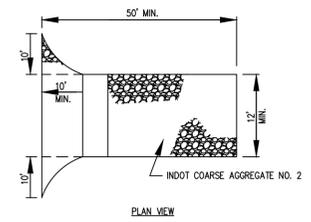
INSTALLATION:

- AVOID LOCATING ON STEEP SLOPES OR AT CURVES IN PUBLIC ROADS.
- REMOVE ALL VEGETATION AND OTHER OBJECTIONABLE MATERIAL FROM THE FOUNDATION AREA, AND GRADE AND CROWN FOR POSITIVE DRAINAGE.
- IF SLOPE TOWARDS THE ROAD EXCEEDS 2%, CONSTRUCT A 6-8 IN.-HIGH WATER BAR (RIDGE) WITH 3:1 SIDE SLOPES ACROSS THE FOUNDATION AREA ABOUT 15 FT. FROM THE ENTRANCE TO DIVERT RUNOFF AWAY FROM THE ROAD (SEE PROFILE).
- INSTALL PIPE UNDER THE PAD IF NEEDED TO MAINTAIN PROPER PUBLIC ROAD DRAINAGE.
- PLACE STONE TO DIMENSIONS AND GRADE SHOWN IN THE EROSION/SEDIMENT CONTROL PLAN, LEAVING THE SURFACE SMOOTH AND SLOPED FOR DRAINAGE.
- DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE STONE PAD TO A SEDIMENT TRAP OR BASIN.

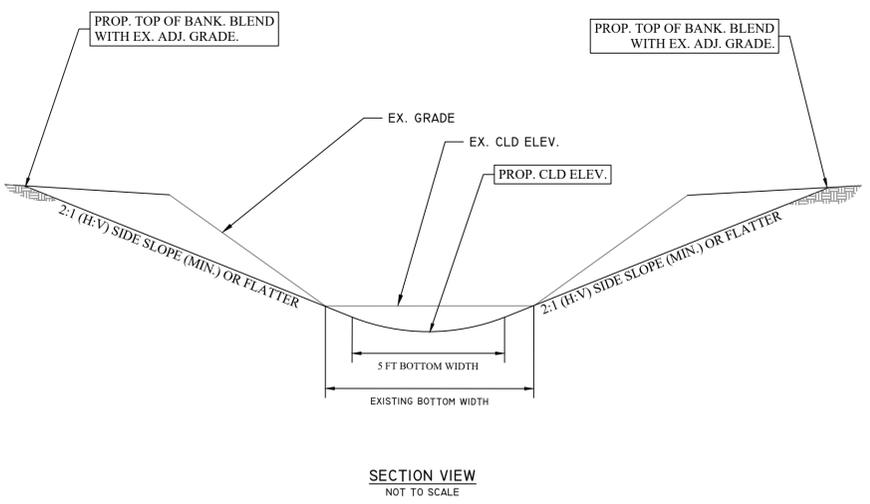


MAINTENANCE

- INSPECT ENTRANCE PAD, SEDIMENT DISPOSAL AREA, AND ALL OTHER EROSION CONTROL MEASURES WEEKLY AND AFTER STORM EVENTS OR HEAVY USE. REQUIRED REPAIRS SHOULD BE COMPLETED IMMEDIATELY.
- RESHAPE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL.
- TOPDRESS WITH CLEAN STONE AS NEEDED.
- IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROADS BY BRUSHING OR SWEEEPING. FLUSHING SHOULD ONLY BE USED IF THE WATER IS CONVEYED INTO A SEDIMENT TRAP OR BASIN.
- REPAIR ANY BROKEN ROAD PAVEMENT IMMEDIATELY.



TEMPORARY CONSTRUCTION ENTRANCE



NOTE:

RESTORE DISTURBED AREAS WITHIN DITCH AS FOLLOWS:

- TOE OF SLOPE TO TOE SLOPE: RESTORE W/ TOPSOIL, FERTILIZER, DITCH SEED, AND EROSION CONTROL BLANKET (C125BN), PER TECHNICAL SPECIFICATIONS.
- TOP OF BANK TO TOE OF SLOPE: RESTORE W/ TOPSOIL, FERTILIZER, DITCH SEED, AND EROSION CONTROL BLANKET (NAG S75BN) AND/OR STRAW MULCH (FLAT AREAS), PER TECHNICAL SPECIFICATIONS.
- OTHER AREAS: RESTORE W/ TOPSOIL, FERTILIZER, COVER CROP SEED OR DITCH SEED & STRAW MULCH.

DITCH TYP. SECTION



PROJECT: LUDINGTON DITCH, ARM 19-DITCH RECONSTRUCTION
LOCATION: CR 450 S TO CONFLUENCE W/ LUDINGTON DITCH
SHEET TITLE: SHEET 4 - DETAILS

SHEET NO.: 4 OF 4

DESIGNED: CRG
DRAWN: CRG
CHECKED: MEN
DATE: 6/21/19
PROJECT NO.: P21-013

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