



ADDENDUM #2

To: Prospective Bidders
From: Porter Co. Dept. of Development & Storm Water Management
Date: January 21, 2022
Subject: Troon Subdivision – Storm Water Management System Improvements
Construction Services

The attention of all prospective bidders is called to the following Addendum.

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

Bidder shall acknowledge the receipt of this Addendum #2 on his or her bid form.

Clarifications & Modifications

The following clarifications and/or modifications to the bidding documents 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 bidding documents.

PRE-BID MEETING MINUTES & SIGN-IN SHEET

1. The pre-bid meeting minutes and sign-in sheet are attached to this Addendum. Please note that the meeting minutes may contain additional information related to the various items of work that should be considered when preparing bids for this project.

CONSTRUCTION PLANS/TECHNICAL SPECIFICATIONS

2. 12" PVC, SDR 35 Storm Sewer
The construction plans have been revised to reflect the correct length of "12" PVC, SDR 35 Storm Sewer" needed to successfully complete the work. The correct length is 75 LF, not 85 LF, as previously noted on the construction plans. **To clarify**, deflection testing will only be required by the Department if the required storm sewer televising indicates areas of deflection or other concerns within the storm sewer system.
3. Existing Fence, Remove & Reset
The construction plans have been revised to show the existing fence located on the north property line of the property commonly known as 69 E 700 N. This fence should be removed and reset, as needed, to allow for the performance of the work. Such fence removal and reset shall be considered incidental to the work and the various other items of work involved and will not be measured for payment.
4. Detention Basin Fill
To clarify, per the Technical Specifications, the detention basin fill shall be B Borrow and consist of suitable sand. The Detention Basin Fill can be sourced from off-site stockpiles or other sources. However, off-site stockpiles or other sources will need to be visually inspected by the Department to ensure they meet the Technical Specification for Detention Basin Fill.
5. Bioretention Area Seed Mix
The technical specifications have been revised. The bioretention area seed mix has been revised. The revised technical specification for "Bioretention Area Seed Mix" is attached to this addendum.



PUBLIC OPENING OF BIDS

6. Public Opening of Bids

As stated in the bidding documents, bids will be opened at 10:00 am, or as soon thereafter as possible, on Tuesday, January 25, 2022, at a public opening of bids to be held at 10:00 am 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 public opening of bids 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 bids, 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/83618578328?pwd=anZTQTg5aDBReEQzcHdYV3hHQ0FBZz09>

Meeting ID: 836 1857 8328

Passcode: 2vXPi9

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

ATTACHMENTS

- PRE-BID MEETING MINUTES & SIGN-IN SHEET
- REVISED CONSTRUCTION PLANS
- REVISED TECHNICAL SPECIFICATIONS



MEETING MINUTES

January 13, 2022, 11:00 am
155 Indiana Ave., Ste. 311 & Video Conference
Pre-Bid Meeting

Troon Subdivision – Storm Water Management System Improvements

1. Sign-in and Introductions

2. Project Overview

The project is located along CR 700 N, between Meridian Rd. & Calumet Ave., in Troon Subdivision. The project consists of the enhancement of the existing detention basin located within Troon Subdivision, including the installation of a bioretention area within the existing detention basin. The overall purpose of the project is to improve the performance, appearance, and safety of the existing detention basin, and enhance the storm water management services provided to the surrounding property owners by improving the area's storm water infrastructure.

3. Overview of Bidding Documents & Bidding Requirements

- A. Bid Form
- B. Basis of Bid Form
 - i. Base Bid
- C. Responsible Bidding Submittal Requirements Form
- D. Bidders Work History Form
- E. Bidders Organizational Experience and Workload Form
- F. Bidders Subcontractor and Supplier Form
 - i. List entities comprising 10% or more of the bidder's total cost.
- G. Bid Security
 - i. 10% of total bid.
 - ii. Certified check, bank money order, or Bid Bond issued by acceptable surety.

4. Project Description

- A. 75 LF of 12" PVC, SDR 35
- B. 1 Storm Sewer Structure, 4 ft. diameter (Type 1)
- C. 3,646 CY of Detention Basin Fill
- D. 1,090 CY of Bioretention Area Fill
- E. Tree Planting Allowance
- F. Road Cut and Repair and/or Reconstruction
 - i. Driveways
- G. The existing driveway at 701 Troon Drive shall not be used as a construction access route.

5. Other Items

- A. Overview of important General Conditions.
- B. Questions during Bidding.
- C. Copies of bidding documents are fully downloadable on the Department's website at <http://www.portercountystormwater.org>.
- D. Bids will remain open for 60 calendar days.
- E. Lowest, responsive, and responsible bidder will be awarded contract.
- F. Acknowledgement of Addenda.
- G. Successful Bidder to provide the following within 10 days of receipt of NOA.
 - i. Executed Contract, Performance Bond – 100%, Payment Bond – 100%, and Certificates of Insurance.
 - ii. E-Verify Affidavit and Certification Regarding Investment in Iran.
- H. Maintenance Bond will be required upon final acceptance of work as guarantee for warranty period.
 - i. 10% of contract price for 1 year.
- I. Bidders shall inform themselves of existing site conditions.
- J. 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.
- K. Owner is exempt from State Sales Tax on materials to be incorporated into the work. Sales and use tax shall not be included in the bid.
- L. Utility Coordination
 - i. Contractor shall confirm location and depth of utilities prior to start of work.

6. Notable Dates

- A. Pre-Bid Meeting: Thu., Jan. 13, 2022, 11:00 am, local time.
- B. Last Day for Questions: Thu., Jan. 20, 2022, 12:00 pm local time. Final addendum to be issued by 10:00 am local time, Fri., Jan. 21.
- C. Bid Due Date: Tue., Jan. 25, 2022, 10:00 am local time, Porter Co. Dept. Development & Storm Water Management. 155 Indiana Ave., Ste. 311, Valparaiso, Indiana 46383.
- D. Bid Opening: Tue., Jan. 25, 2022, 10:00 am local time, at a public opening of bids, 155 Indiana Ave., Ste. 311, Valparaiso, Indiana 46383.
- E. Substantial & Final Completion:
 - i. Substantial Completion – Oct. 31, 2022.
 - ii. Final Completion – Nov. 30, 2022.

7. Questions

- Q1: Does the driveway final backfill material need to be all stone, or can it be No. 8 to 12" above top of pipe, sand, and then No. 53s?
- A1: Although No. 53 stone is specified for final backfill under pavement, given that this is a residential driveway, and not a public road, sand would be an acceptable final backfill material; however, operationally, it may be easier for the contractor to use either No. 8 or No. 53 stone for final backfill under the driveway.



- Q2: What is the anticipated extent and character of the Clearing & Tree Removal work along the south access route?
- A2: Tree removal shall be avoided to the maximum extent practicable. Pruning of limbs and branches is anticipated to create the access route. Pruning is considered as incidental to the Clearing & Tree Removal work item.
- Q3: Does a construction entrance need to be installed off of CR 700 N if the south access route is not utilized?
- A3: No, the south construction entrance was included in the bid documents so the price would already be in the contract, if such construction entrance was needed. The south construction entrance should be installed as ordered by the engineer and/or if there is heavy use of the access route to prevent tracking onto the roadway.
- Q4: For the bioretention area fill, is the shredded hardwood bark mulch only for topdressing/finishing the area?
- A4: No, per the technical specifications, the bioretention area fill consists of 85% sand, 10% topsoil, and 5% shredded hardwood bark mulch. The fill is to be thoroughly mixed prior to placement in the bioretention area. Following placement of the bioretention area fill, shredded hardwood bark mulch shall be placed on top of the bioretention area along with the bioretention area seed mix and fertilizer.
- Q5: What are the material specifications for the bioretention area fill? Will material testing be required?
- A5: The bioretention area fill material specifications are located within "Division 1000 - Materials" of the Technical Specifications. Material testing of the bioretention area fill will not be the required, but visual inspection of the fill and the mixing operation will be conducted by the Department. The most important aspect of the bioretention area fill is the mixing operation and ensuring that the components of the bioretention area fill are well mixed to ensure that the components are evenly distributed throughout the mix.
- Q6: The storm sewer pipe length on the plans is 85 LF whereas the Basis of Bid Form is 75 LF. Which is correct?
- A6: The correct pipe length is 75 LF. The construction plans will be revised and such revised plans will be included in Addendum 2 to correct this discrepancy.
- Q7: The existing pond outlet structure is damaged. Will this be repaired under this contract?
- A7: No, the pond outlet structure was purposefully cut to serve as a weir (i.e., control structure). However, the casting does need to be reset. This and any other repair items associated with the outlet structure will take place after this project is complete.
- Q8: Will the topsoil on site balance, and can it be used in the bioretention area fill?
- A8: Yes, by the engineer's estimate, the topsoil quantity should balance on site. The Department does not anticipate the need to incorporate additional topsoil into the project. The on-site topsoil can be used within the bioretention area fill.



Q9: Can the bioretention area fill be mixed on site?

A9: Yes, there should be enough room within the drainage and temporary access easements to mix the bioretention area fill on site.

Q10: There appears to be a fence located on the north property line of 69 E 700 N. Is this fence to be removed and reset in order to allow for the performance of the work?

A10: This fence should be removed and reset, as needed, to allow for the performance of the work. Such fence removal and reset shall be considered incidental to the work and the various other items of work involved and will not be measured for payment.

Q11: Can the Detention Basin Fill be sourced from off-site stockpiles or does the material need to come from a "standard" material supply? The off-site stockpiles are clay. If off-site stockpiles are used, will there be any testing requirements before or after placement of the fill?

A11: Per the Technical Specifications, the Detention Basin Fill shall be B Borrow and shall consist of suitable sand. Clay will not be acceptable. The Detention Basin Fill can be sourced from off-site stockpiles. However, off-site stockpiles or other sources will need to be visually inspected by the Department to ensure they meet the Technical Specification for Detention Basin Fill. Additional or other material testing will not be required by the Department.

Q12: Is RCP an acceptable storm sewer material alternative? Is deflection testing required for RCP?

A12: RCP, Class III is an acceptable material alternative. Deflection testing is only required for PVC pipe if the required storm sewer televising indicates areas of deflection or other concerns within the storm sewer system.

Q13: Can clean fill be used for the detention basin fill rather than B Borrow?

A13: Per the Technical Specifications, the Detention Basin Fill shall be B Borrow and shall consist of suitable sand. The Detention Basin Fill can be sourced from off-site stockpiles or other sources. However, off-site stockpiles or other sources will need to be visually inspected by the Department to ensure they meets the Technical Specification for Detention Basin Fill.

Q14: Would it be acceptable to mix the bioretention area fill in place using a soil disk in lifts?

A14: No, a soil disk should not be used to mix the bioretention area fill. Per the technical specifications, the bioretention area fill shall not be tamped or compacted during installation. The bioretention area fill can be mixed in place as long as the bioretention area fill is not tamped or compacted during placement.

Q15: How will the Department determine that the bioretention area fill is sufficiently mixed?

A15: The Department will visually inspect the mixing and placement of the bioretention area fill to ensure it is thoroughly mixed. The Contractor shall provide a submittal prior to the start of construction describing plan and process for mixing the bioretention area fill. The schedule for mixing the bioretention area fill should be identified on the Project Schedule. The Contractor should notify the Department of any changes to the schedule for mixing the bioretention area so the Department can be on-site to inspect the mixing process.

TRON SUBDIVISION - STORM WATER MANAGEMENT SYSTEM IMPROVEMENTS

PRE-BID MEETING

JANUARY 13, 2022 (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 Cell: (219) 307-3311 Fax: (219) 465-3543	mnovotney@porterco.org
✓ Chelsey Gordon	Porter Co. Dept. of Development and Storm Water Management	155 Indiana Ave., Ste. 311 Valparaiso, IN 46383	Office: (219) 465-3652 Cell: (219) 252-7499 Fax:	chelsey.gordon@porterco.org
✓ Meredith Phillis	Porter Co. Dept. of Development and Storm Water Management	155 Indiana Ave., Ste. 311 Valparaiso, IN 46383	Office: (219) 465-3632 Cell: Fax:	meredith.phillis@porterco.org
Austin Miller	G. E. Marshall		Office: 219-462-3415 Cell: Fax:	austin.miller@gemarshall.com
Chris Juda	GOUGH INC		Office: Cell: 212-702-2067 Fax:	CJUDA@goaghinc.com
Sean Davidson	Grimmer Con.		Office: Cell: Fax:	

TROON SUBDIVISION - STORM WATER MANAGEMENT SYSTEM IMPROVEMENTS

PRE-BID MEETING

JANUARY 13, 2022 (11:00 AM CST)

Josh Crandell (200m)	Gariup Con.		Office:	
			Cell:	
			Fax:	
Keith Kegelein (200m)	Dyer Con.		Office:	
			Cell:	
			Fax:	
Michael Egolf	de Boer Egolf Corp D.B.A. Egolf Coates Excavation		Office: 219 763 9700	
			Cell:	
			Fax:	
Jakob Goodan	de Boer Egolf Corp DBA Egolf Coates Excavation		Office: (219) 763-9700	jgoodan@egolfcoates.com
			Cell:	
			Fax:	
			Office:	
			Cell:	
			Fax:	
			Office:	
			Cell:	
			Fax:	

PORTER CO. DEPT. OF DEVELOPMENT & STORM WATER MANAGEMENT

TROON SUBDIVISION

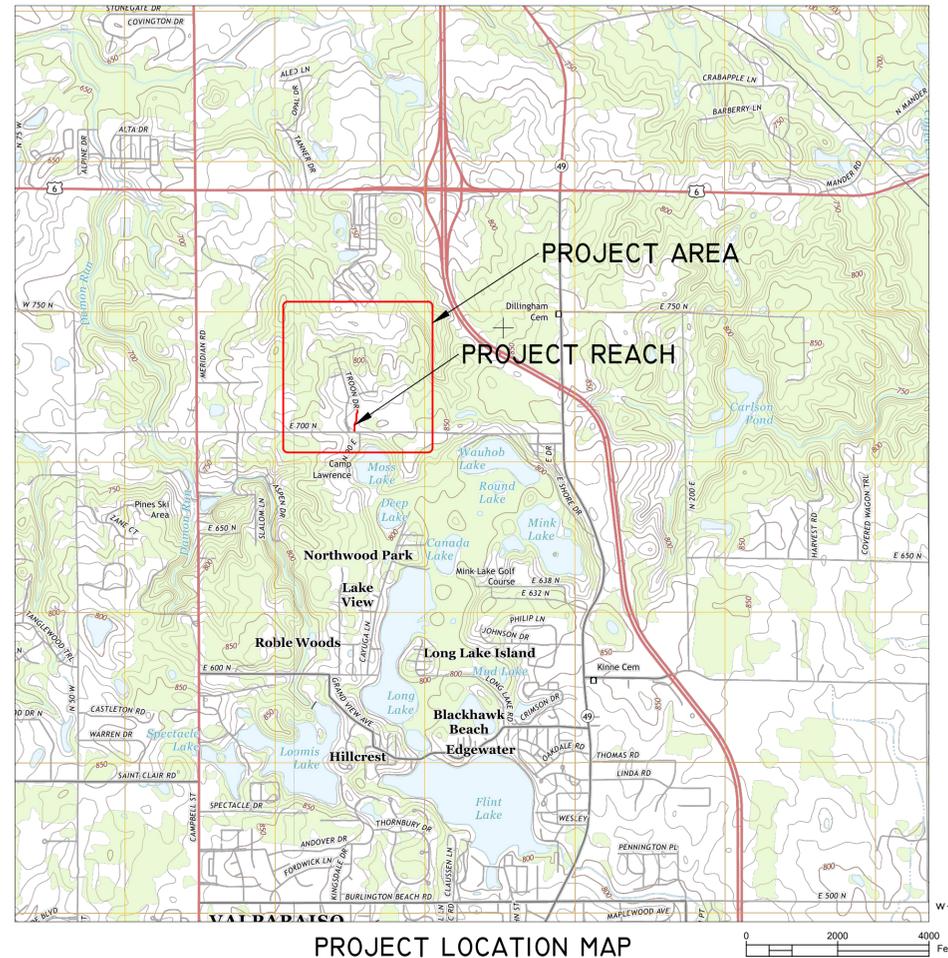
STORM WATER MANAGEMENT SYSTEM IMPROVEMENTS

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. OVERALL PLAN
 3. PLAN
 4. DETAILS
 5. DETAILS



PROJECT LOCATION MAP

NO.	DATE	REVISION	BY
1	12/13/21	INTERNAL REVIEW	CRG
2	01/19/22	ADDENDUM #2	CRG

DESIGNED:	CRG
DRAWN:	CRG
CHECKED:	MEN
DATE:	06/27/20
PROJECT NO.:	P22-001



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

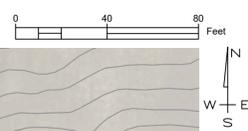
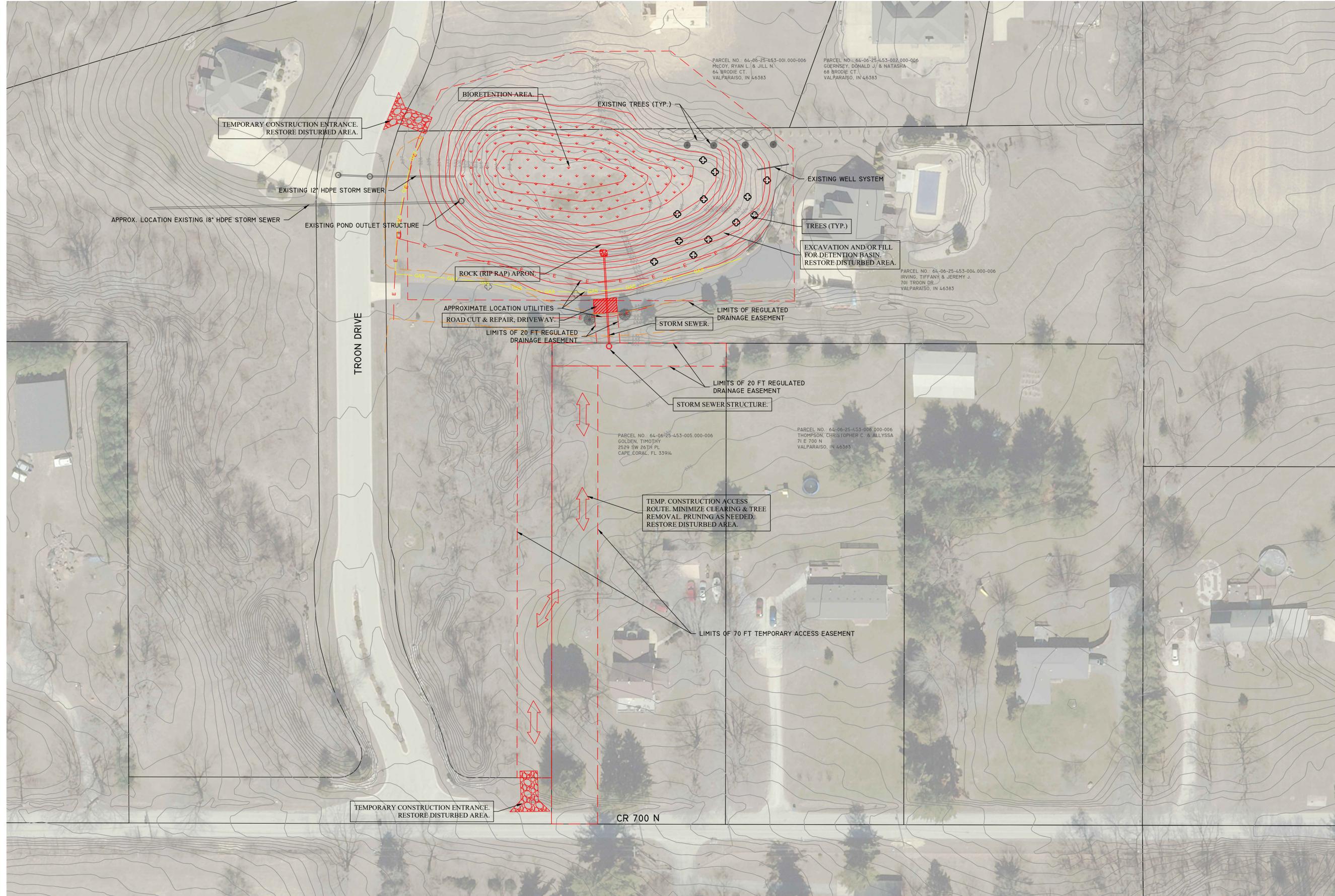
PROJECT:	TROON SUBD. -SWM SYSTEM IMPROVEMENTS
LOCATION:	TROON SUBD. -701 TROON DRIVE
SHEET TITLE:	SHEET I-COVER

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.

CHELSEY R. GORDON, PE
 INDIANA LICENSED PROFESSIONAL ENGINEER NO. PEI2100019
 EXPIRES 7/31/2022

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

© 2021 PORTER COUNTY DEPT. OF DEVELOPMENT & STORM WATER MANAGEMENT. PROJECT: TROON SUBDIVISION. DATE: 06/27/2022. ENGINEER: CHELSEY R. GORDON, PE.



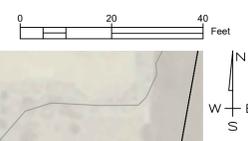
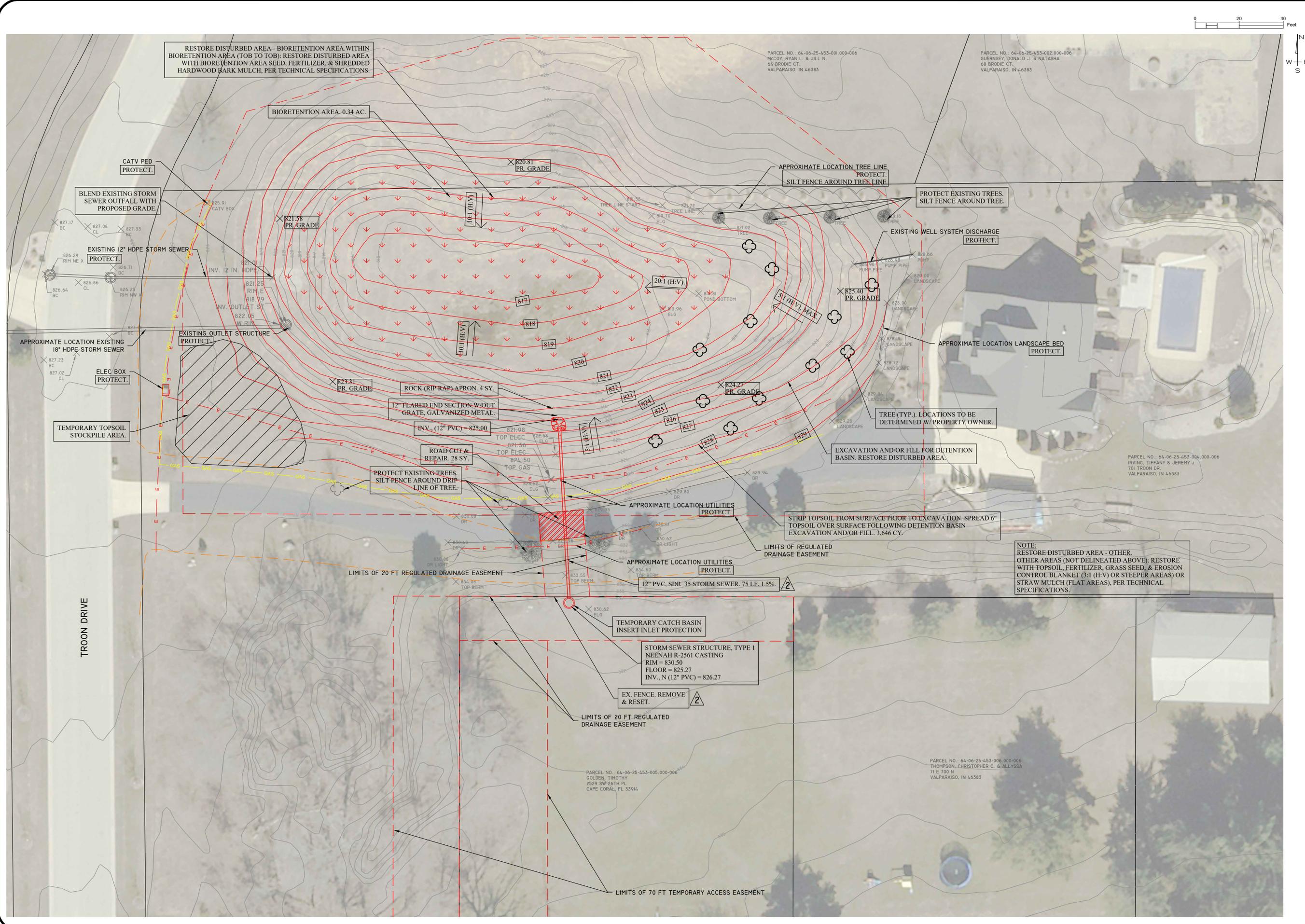
NO.	DATE	REVISION	BY
1	12/13/21	INTERNAL REVIEW	CRG
2	01/19/22	ADDENDUM #2	CRG

DESIGNED:	CRG
DRAWN:	CRG
CHECKED:	MEN
DATE:	06/27/20
PROJECT NO.:	P22-001



PROJECT:	TROON SUBD. -SWM SYSTEM IMPROVEMENTS
LOCATION:	TROON SUBD. -701 TROON DRIVE
SHEET TITLE:	SHEET 2-OVERALL PLAN

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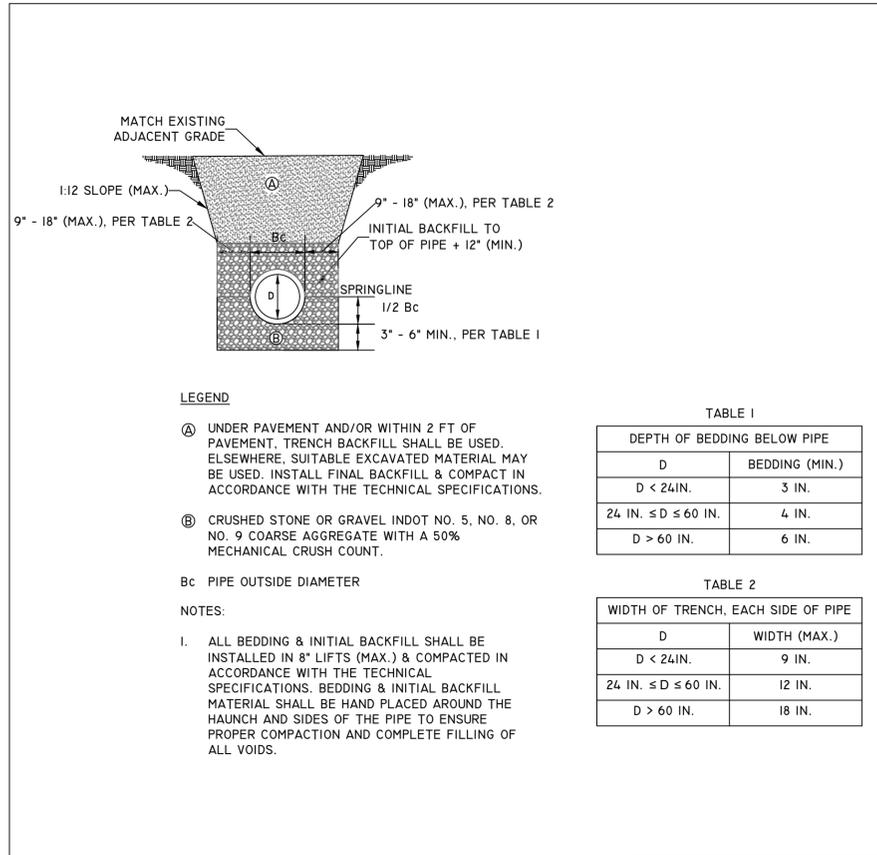
NO.	DATE	REVISION	BY
1	12/13/21	INTERNAL REVIEW	CRG
2	01/19/22	ADDENDUM #2	CRG

DESIGNED:	CRG
DRAWN:	CRG
CHECKED:	MEN
DATE:	06/27/20
PROJECT NO.:	P22-001

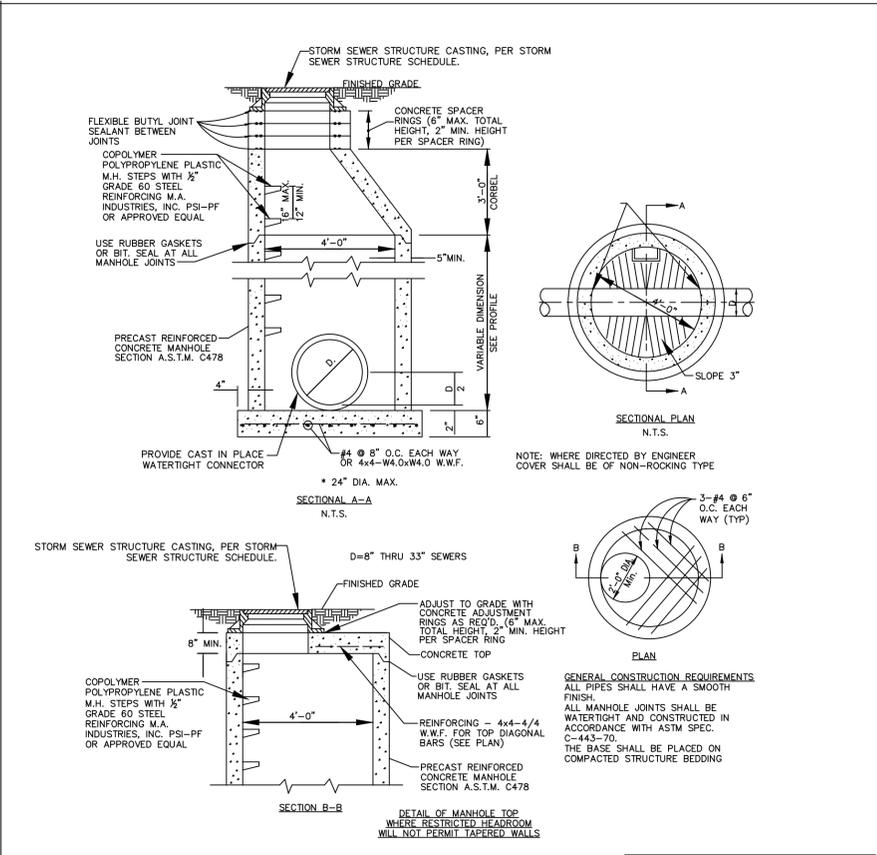


The Department of
DEVELOPMENT & STORM WATER MANAGEMENT
Porter County, Indiana

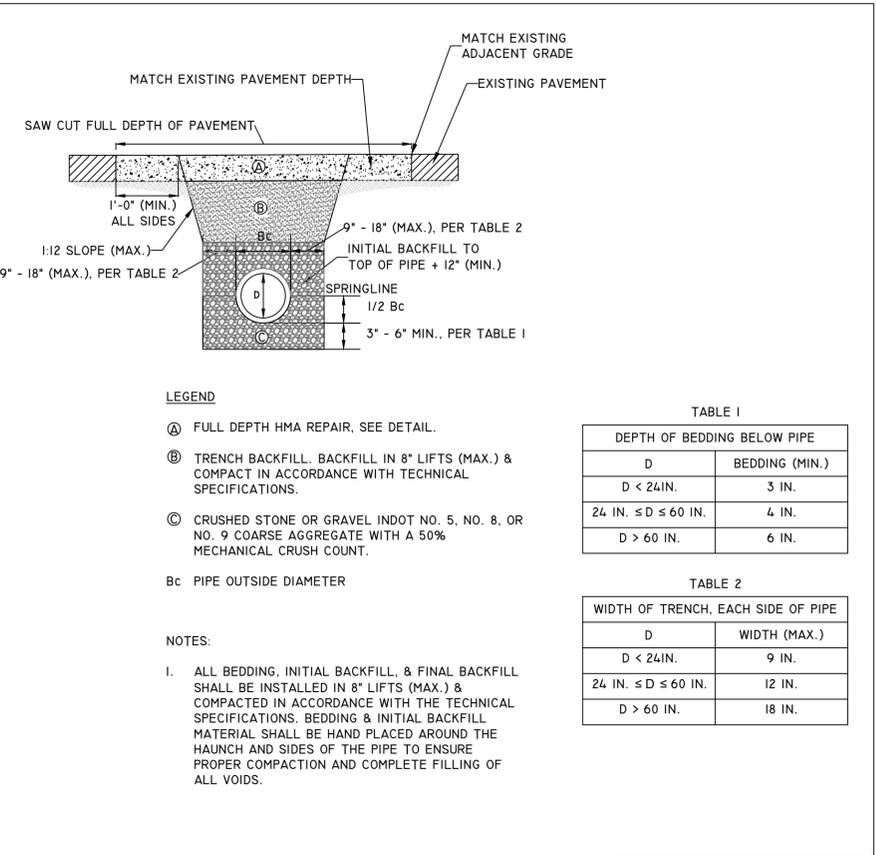
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LOCATION:	TRON SUBD. -701 TRON DRIVE
SHEET TITLE:	SHEET 3-PLAN



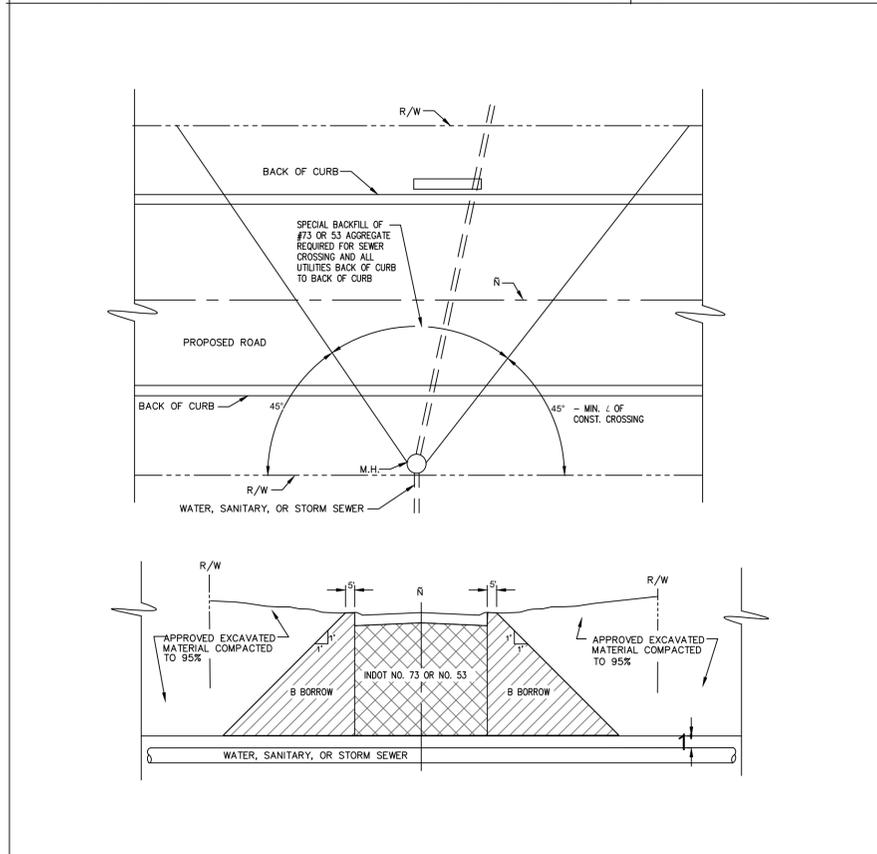
STORM SEWER & CULVERT BEDDING AND BACKFILL



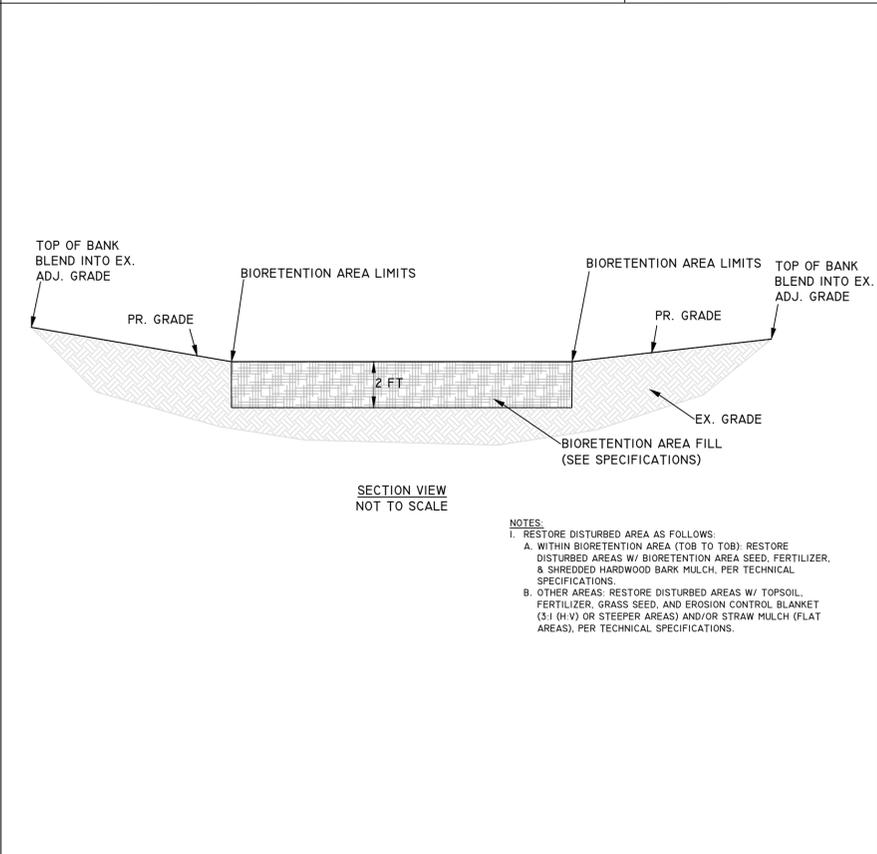
STORM SEWER STRUCTURE, TYPE 1



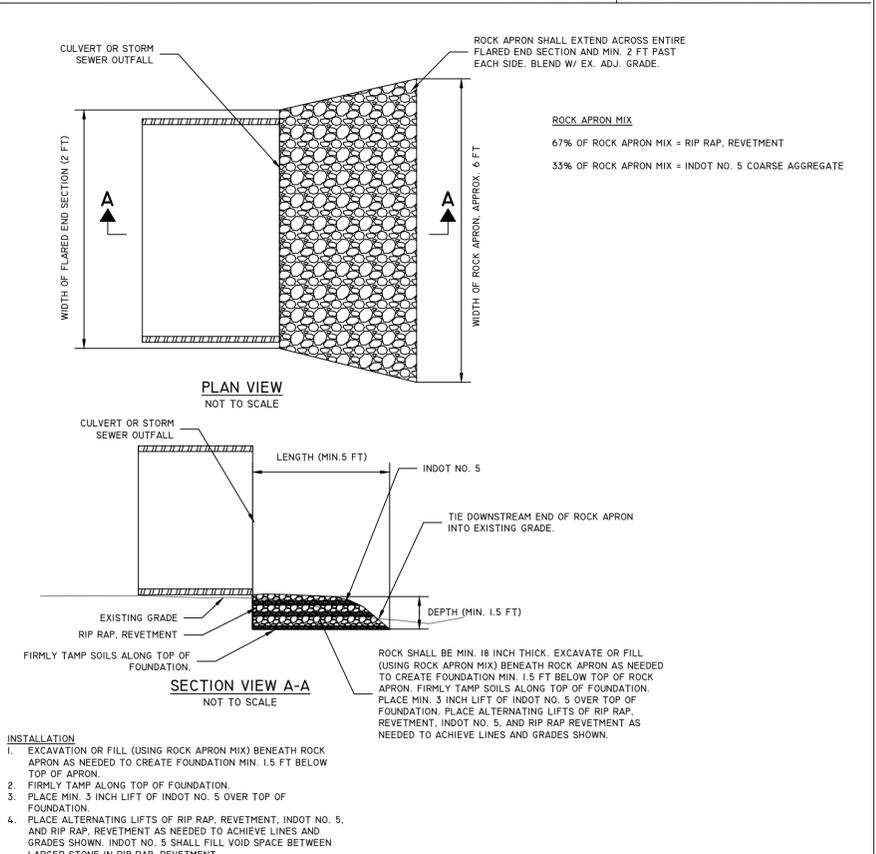
ROAD CUT & REPAIR



BACKFILL REQUIREMENTS (CONTINUED)



BIORETENTION AREA



ROCK APRON

NO.	DATE	REVISION	BY
1	12/13/21	INTERNAL REVIEW	CRG
2	01/19/22	ADDENDUM #2	CRG

DESIGNED:	CRG
DRAWN:	CRG
CHECKED:	MEN
DATE:	06/27/20
PROJECT NO.:	P22-001



PROJECT:	TRON SUBD. - SW SYSTEM IMPROVEMENTS
LOCATION:	TRON SUBD. - 701 TRON DRIVE
SHEET TITLE:	SHEET 4-DETAILS

BIORETENTION AREA SEED MIX

Bioretention area seed shall be in accordance with the following.

DESCRIPTION

Bioretention area seed shall be healthy, with an origin as close as possible to the project site.

QUALITY

All bioretention area seed shall be handled and packed in a manner appropriate for the particular plant species included in the seed mix, with regard for the soil and climate conditions present at the time and place of packing, the soil and climate conditions present at the project site, the time that the plant seed will be in transit to the project site, and for the time that the plant seed will be in storage at the project site. All precautions customary to good trade practices shall be taken to ensure that the bioretention area seed is delivered to the site in good and healthy condition. Inspection shall occur at the time of delivery for disease and insect infestation, in accordance with all applicable state and federal laws.

Seeding shall occur promptly following delivery of the bioretention area seed. If seeding will be significantly delayed following delivery, precautions shall be taken to protect the bioretention area seed and maintain its healthy condition. Seed shall be stored in a shaded area when ambient temperatures exceed 72°F.

SPECIES**BIORETENTION AREA SEED MIX**

<u>SCIENTIFIC NAME</u>	<u>COMMON NAME</u>	<u>OZ/AC</u>
<i>Andropogon gerardii</i>	Big Bluestem	4.00
<i>Carex cristatella</i>	Crested Oval Sedge	0.50
<i>Carex lurida</i>	Bottlebrush Sedge	3.00
<i>Carex spp.</i>	Prairie Sedge Species	8.00
<i>Carex vulpinoidea</i>	Brown Fox Sedge	3.00
<i>Elymus canadensis</i>	Canada Wild Rye	16.00
<i>Elymus virginicus</i>	Virginia Wild Rye	16.00
<i>Juncus Canadensis</i>	Canadian Rush	1.00
<i>Panicum virgatum</i>	Switch Grass	3.00
<i>Scirpus atrovirens</i>	Dark Green Rush	2.00
<i>Scirpus cyperinus</i>	Wool Grass	0.50
<i>Spartina pectinate</i>	Prairie Cord Grass	<u>3.00</u>
		60.00
COVER CROP		
<i>Avena sativa</i>	Common Oat	<u>512.0</u>
		512.0

FORBS

<i>Alsima subcordatum</i>	Common Water Plantain	1.00
<i>Asclepias incarnata</i>	Swamp Milkweed	2.00
<i>Coreopsis tripteris</i>	Tall Coreopsis	1.00
<i>Euthania graminifolia</i>	Common Grass-Leaved Goldenrod	0.50
<i>Eutrochium maculatum</i>	Spotted Joe-Pye Weed	1.00
<i>Iris virginica v. shrevei</i>	Blue Flag	4.00
<i>Liatris spicata</i>	Marsh Blazing Star	1.00
<i>Lycopus americanus</i>	Common Water Horehound	0.50
<i>Mimulus ringens</i>	Monkey Flower	0.50
<i>Penthorum sedoides</i>	Ditch Stonecrop	1.00
<i>Pycnanthemum virginianum</i>	Common Mountain Mint	0.50
<i>Rudbeckia triloba</i>	Brown-Eyed Susan	1.00
<i>Senna hebecarpa</i>	Wild Senna	1.00
<i>Silphium terebinthinaceum</i>	Prairie Dock	1.00
<i>Symphyotrichum novae-angliae</i>	New England Aster	0.50
<i>Verbena hastata</i>	Blue Vervain	1.50
<i>Zizia aurea</i>	Golden Alexanders	<u>2.00</u>
		20.00