

ADDENDUM NO. 1

December 31, 2025

Polytech High School

Bid Package B – Storm Water Maintenance/Improvements

Page 1

The Bid Due Date has Changed

Bids are now due on Wednesday, January 21, 2026 @ 10:00AM local time at the District Office of the Polytech School District, 823 Walnut Shade Road, Woodside, DE 19980

The last day for questions is Wednesday, January 14, 2026.

NOTICE: Attach this addendum to the project manual for this project. It modifies and becomes a part of the contract documents. Work or materials not specifically mentioned herein are to be described in the main body of the specifications and as shown in the drawings. Bidders shall acknowledge receipt of this addendum on the space provided on the Bid Form. Failure to do so may subject the bidder to disqualification.

Whenever this Addendum modifies a portion of the Project Manual added information is shown as **Bold** and deleted information is shown as ~~striketrough~~.

The contract documents for the above-mentioned project, Project Manual dated March 17, 2025, are amended as follows:

GENERAL CLARIFICATIONS:

1. Bid documents will be available on the EDiS FTP site. In order to obtain access to biddable documents on the EDiS FTP site, bidders must download and complete the Plans Request form from <http://bids.delaware.gov>, and submit to: planrequests@delaware.gov for approval. Once the plans request is approved and you want to receive the biddable plans submit your request for access to the FTP site via email to Crystal Watson, cwatson@ediscompany.com. Your request should include the following information: your company name, contact name, contracts you are bidding on, email address, and phone number.
2. Physical copies of bids will be received at the District Office of the Polytech School District, 823 Walnut Shade Road, Woodside, DE 19980 until 10:00AM local time on Wednesday, January 21, 2026, at which time they will be publicly opened and read aloud. ***Bidders bear the risk of late delivery. Any bids received after the stated time will be returned unopened.*** Please note that the District Office entrance is at the rear of the building. Bids submitted to the High School Office at the front of the school will be rejected and returned unopened.
3. Pre-bid meeting minutes and sign in sheet attached for your use.

QUESTIONS AND ANSWERS:

N/A



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MODIFICATIONS TO SPECIFICATIONS:**1. SECTION 000115 – LIST OF DRAWINGS**

- a. DELETE this section in its entirety and;
- b. INSERT section, annotated Addendum No 1 and dated December 31, 2025. The subcontractor list is being updated to include the new sheets being issued in this addendum.

2. SECTION 000116 – STATE ADVERTISEMENT FOR BID

- a. DELETE this section in its entirety and;
- b. INSERT section, annotated Addendum No 1 and dated December 31, 2025. The subcontractor list is being updated as discussed in the pre-bid meeting.

3. SECTION 004100 - BID FORM AND ATTACHMENTS

- a. DELETE this section in its entirety and;
- b. INSERT section, annotated Addendum No 1 and dated December 31, 2025. The subcontractor list is being amended as agreed upon in the pre-bid meeting.

4. SECTION 007343 – WAGE RATE REQUIREMENTS

- a. DELETE this section in its entirety and;
- b. INSERT section, annotated Addendum No 1 and dated December 31, 2025. The replacement section includes the project-specific certified prevailing wage rates.

5. SECTION 011100 – SUMMARY OF WORK

- a. DELETE this section in its entirety and;
- b. INSERT revised section, annotated Addendum No 1 and dated December 31, 2025.

MODIFICATIONS TO DRAWINGS:**1. STORMWATER MANAGEMENT POND RETROFIT, DRAWING C200 – COVER SHEET**

- a. Insert this sheet, dated December 2025, in its entirety into the contract documents.

2. STORMWATER MANAGEMENT POND RETROFIT, DRAWING C201 – LEGEND

- a. Insert this sheet, dated December 2025, in its entirety into the contract documents.

3. STORMWATER MANAGEMENT POND RETROFIT, DRAWING C202 – PRE CONSTRUCTION SITE MANAGEMENT PLAN

- a. Insert this sheet, dated December 2025, in its entirety into the contract documents.



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4. STORMWATER MANAGEMENT POND RETROFIT, DRAWING C203 – POST CONSTRUCTION SITE MANAGEMENT PLAN
 - a. Insert this sheet, dated December 2025, in its entirety into the contract documents.
5. STORMWATER MANAGEMENT POND RETROFIT, DRAWING C204 – CONSTRUCTION DETAIL
 - a. Insert this sheet, dated December 2025, in its entirety into the contract documents.
6. STORMWATER MANAGEMENT POND RETROFIT, DRAWING C205 – CONSTRUCTION DETAIL
 - a. Insert this sheet, dated December 2025, in its entirety into the contract documents.
7. STORMWATER MANAGEMENT POND RETROFIT, DRAWING C206 – CONSTRUCTION DETAIL
 - a. Insert this sheet, dated December 2025, in its entirety into the contract documents.
8. STORMWATER MANAGEMENT POND RETROFIT, DRAWING C207 – CONSTRUCTION DETAIL
 - a. Insert this sheet, dated December 2025, in its entirety into the contract documents.
9. STORMWATER MANAGEMENT POND RETROFIT, DRAWING C208 – CONSTRUCTION DETAIL
 - a. Insert this sheet, dated December 2025, in its entirety into the contract documents.
10. STORMWATER MANAGEMENT POND RETROFIT, DRAWING C209 – POST CONSTRUCTION STORMWATER MANAGEMENT FACILITY
 - a. Insert this sheet, dated December 2025, in its entirety into the contract documents.
11. STORMWATER MANAGEMENT POND RETROFIT, DRAWING C210 – POST CONSTRUCTION STORMWATER MANAGEMENT FACILITY
 - a. Insert this sheet, dated December 2025, in its entirety into the contract documents.

LIST OF ATTACHMENTS:

Pre-Bid Meeting Minutes, dated December 19, 2025

Pre-Bid Meeting Sign-In Sheet, dated December 19, 2025

Site Visit Sign in Sheet, Dated December 30, 2025

Section 000115 List of Drawings, dated December 31, 2025

Section 001116 State Advertisement for Bid, dated December 31, 2025

Section 004100 Bid Form and Attachments, dated December 31, 2025

Section 007343 Wage Rate Requirements, dated December 31, 2025

Section 011100 Summary of Work, dated December 31, 2025





EDiS COMPANY

ADDENDUM NO.1
DECEMBER 31, 2025
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Century Engineering “Stormwater Management Pond Retrofit” Drawings dated December 2025.
Preliminary Construction Schedule

End of Addendum No. 1





MEETING MINUTES
PSD26001-PHS_STORM
Bid Package B Storm Water/Site Improvements
Pre-Bid Meeting 10:00 AM
19 December 2025

Location: Polytech School District Office, 823 Walnut Shade Road, Woodside, DE 19980 (located at the main rear entrance to building)

Present: See attached sign in sheets from 19 December 2025, 30 December 2025.

1. Introduction

Owner – Polytech School District
Design Team Members – Century Engineering
EDiS Role – Construction Manager. PSD is holding the contracts with the Contractors.
Attendees – Introductions from the attendees (Primes and Subcontractors)

2. Project

Contract B-01: Sitework Stormwater
Contract B-02: Synthetic Track Surfacing

3. Bid Information

- Bids will be received at the District Office of the Polytech School District, 823 Walnut Shade Road, Woodside, DE 19980 until **10:00AM local time on January 14, 2026, Date revised to January 21, 2026.**
- Bid opening is public.
- Three (3) copies of the bids should be in a sealed envelope clearly marked
**“OMB/DFM CONTRAT NO. PSD26001-PHS_STORM WATER/SITE IMPROVMENTS” – BID
PACK B – THE CONTRACT NUMBER YOU ARE BIDDING - SEALED BID – DO NOT OPEN”**
- The bidder’s name and address should be included in the body of the email.
- Addenda are the only method to change the documents.
- No addenda will be issued later than four (4) days prior to the bid opening, except when cancelling the bid, extending the bid opening date or changing the bid opening location.
- Bid bonds are required. See Section 004313.
- Performance and Payment Bonds are required. See Sections 006113.13 and 006113.16 respectively.
- Drug Testing Program is required. See forms in Section 008114.
- Craft Training Program is required. An affidavit is included in Section 008115 and must be included with the bid submission.
- The bid form is in Section 004113 of the project manual. No modifications, clarifications or qualifications are allowed.





4. Review Subcontractor List for each contract.

- Contract B-01
- Contract B-02

4.1 – The Subcontractors Lists for each contract was established.

5. Contract, AIA A132 - 2019, is in Section 005213 of the project manual.
6. General Conditions of the Contract, AIA A232-2019 are in Section 007213.
7. Supplementary General Conditions are in Section 007313.
8. Scope of Work is in Section 011100.
9. Review Site Logistic Requirements - Loading & unloading, site access, and temporary spoils location. No parking or storage containers onsite.
10. Allowances are in Section 012100 of the project manual, listed in the scopes of work, and on the bid forms.
11. Contractors are required to use the web-based project management system – Building Blok. See Section 013125.
12. A pre-bid construction schedule can be found in Section 013216.A of the project manual. An updated schedule will be issued by addendum. Contractors need to pay attention to the durations for their specific work tasks.
13. Insurance requirements are listed in Section 005213.A of the project manual.
14. Safety program requirements are in Section 013523 of the project manual.
15. Prevailing wage rates must be followed. A copy of the current wage rates can be found in Addendum 1.
16. Submit questions in writing and e-mail to Roger Tighe, rtighe@ediscompany.com, (281) 967-1386.
17. No questions after **14 January 2026**. Seven (7) days prior to bid opening.
18. Site visit is not mandatory but is encouraged. By submitting a proposal, the contractor bidding the project attests that they have familiarized themselves with the site and all of the existing conditions affecting the work.
19. Documents may be viewed and downloaded at EDiS' FTP site after approval for circulation by OMB. Bidders requesting the log on information may obtain username and password permission by contacting Crystal Watson with EDiS Company at cwatson@ediscompany.com.
20. CAD Document Release Form for file request. Sign and Return to get access to CAD files. See Section 008200.
21. It is the responsibility of each Bidder to review and coordinate all Project Documents. This includes plans, specifications, and addendums. All bidders must provide all requested contact information on Pre-Bid Meeting





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sign in sheet or email the information to Crystal Watson at cwatson@ediscompany.com to receive notice of addendums.

22. EDiS POC: Roger Tighe at rtighe@ediscompany.com, (281) 967-1386.

23. DISCUSSION ITEMS.

23.1. Nick (Polytech) clarified that campus site is kept very clean, and construction operations will be required to keep all areas clean and free from construction debris so that daily activities are not impacted on the campus and all areas are safe.

These minutes are intended to accurately reflect what transpired during the course of the meeting. If changes or discrepancies are noted, please contact the writer, in writing, within two days of receipt of these minutes.

Respectfully submitted,

EDiS Company

**Roger Tighe
Project Manager**



Polytech High School
Storm Water / Maintenance / Improvements

Pre-Bid Walk #2

12/30/25

Company Name	Contact Name	Email Address	Phone #
E.O.S. Company	Roger Tighe	rtighe@ediscompany.com	281-267-1586
Thompson & Sons Contracting	Pierce Thompson Jr.	Thompsoninc@contract.com	302-335-3404
Hinsley Construction	SHAWN THIEDE	STHIEDE@HinsleyConstruction.com	301-525-2408
Reybold Construction	Eddy Dougherty	edougherty@reybold.com	302-898-1282
Gateway Construction Markluter		SWL 201 a greater	651-4400
ATT SPORTS INC	Justin Allen	dallen@attsports.com	856 495 2505

SECTION 000115 - LIST OF DRAWINGS

DRWG NO.	DRAWING NAME	BID PACKS	ISSUE DATE	LATEST REV. DATE
C100	COVER SHEET	B	11/26/25	
C101	INDEX SHEET	B	11/26/25	
C102	SITE PLAN	B	11/26/25	
C103	SITE PLAN	B	11/26/25	
C104	SITE PLAN	B	11/26/25	
C105	SITE PLAN	B	11/26/25	
C106	SITE PLAN	B	11/26/25	
C107	SITE PLAN	B	11/26/25	
C108	SITE PLAN	B	11/26/25	
C109	SITE PLAN	B	11/26/25	
C110	SITE PLAN	B	11/26/25	
C111	CONSTRUCTION DETAILS	B	11/26/25	
C112	EROSION & SEDIMENT CONTROL DETAILS	B	11/26/25	
C113	EROSION & SEDIMENT CONTROL DETAILS	B	11/26/25	
C114	EROSION & SEDIMENT CONTROL DETAILS	B	11/26/25	
C200	COVER SHEET	B	December 2025	
C201	LEGEND	B	December 2025	
C202	PRE CONSTRUCTION SITE MANAGEMENT PLAN	B	December 2025	
C203	POST CONSTRUCTION SITE MANAGEMENT PLAN	B	December 2025	
C204	CONSTRUCTION DETAIL	B	December 2025	
C205	CONSTRUCTION DETAIL	B	December 2025	
C206	CONSTRUCTION DETAIL	B	December 2025	
C207	CONSTRUCTION DETAIL	B	December 2025	
C208	CONSTRUCTION DETAIL	B	December 2025	
C209	POST CONSTRUCTION STORMWATER MANAGEMENT FACILITY	B	December 2025	
C210	POST CONSTRUCTION STORMWATER MANAGEMENT FACILITY	B	December 2025	

END OF SECTION

SECTION 001116 - ADVERTISEMENT FOR BID

Receipt of Bids

Public notice is hereby given that sealed bids for the following prime contracts will be received for the construction of Polytech **Storm Water Maintenance/Improvements** located in Woodside, Delaware. Bids will be received at the District Office of the Polytech School District – **Board Room**, 823 Walnut Shade Road, Woodside, DE 19980 until **10:00AM local time on ~~January 14, 2026~~ January 21, 2026**, at which time they will be publicly opened and read aloud. *Bidder bears the risk of late delivery. Any bids received after the stated time will be returned unopened.* The time and location of the bid opening may be extended with a minimum of two calendar day notice to the Bidders.

Contract: No. B-01 – Sitework Stormwater

Contract: No. B-02 – Synthetic Track Surfacing

Bidding Documents

1. It is the responsibility of each bidder to review and coordinate all Project Documents. This includes plans, specifications, and addendums.
2. Non-biddable documents, for review only, may be examined on the State of Delaware Online Bid Solicitation Directory, <http://bids.delaware.gov>, or at the office of the Construction Manager, EDIS Company, 110 S. Poplar Street, Suite 400, Wilmington, Delaware 19801; on or after December 16, 2025.
3. Bid documents will be available on the EDiS FTP site. In order to obtain access to biddable documents on the EDiS FTP site, bidders must download and complete the Plans Request form from <http://bids.delaware.gov>, and submit to: planrequests@delaware.gov for approval. Once the plans request is approved and you want to receive the biddable plans submit your request for access to the FTP site via email to **Crystal Watson, cwatson@ediscompany.com**. Your request should include the following information: your company name, contact name, contracts you are bidding, email address, and phone number.

Bid Security

A bid security in the amount of 10% of the bid, plus a consent of surety must accompany each bid. Bid Security shall specify the Owner as the obligee. Owner: Polytech School District.

Pre-Bid Meeting

A pre-bid meeting will be held at the Board Room of **Polytech School District**, 823 Walnut Shade Rd, Woodside, DE 19980, on December 19, 2025 at 10:00AM local time. A site visit will be conducted immediately following the pre-bid meeting. A second site visit will be conducted on December 30, 2025 at 10:00AM. These site visits will be the only opportunities for the bidders to visit the existing building and review existing conditions affecting the work. Attendance is highly suggested but not mandatory.

Questions

Please contact EDiS Company, Roger Tighe, at rtighe@ediscompany.com or 302-421-2897, with questions.

Conformance to the Delaware Architectural Accessibility Act and the standards of the Architectural Accessibility Board is required on the Project.

Prevailing Wage Rates

Prevailing Wage Rates, as directed by Delaware Law, must be adhered to where applicable.

Pursuant to the Office of Management and Budget (OMB) "4104 Regulations for the Drug Testing of Contractor and Subcontractor Employees Working on Large Public Works Projects" required that Contractors and Subcontractors who work on Large Public Works Contracts funded all or in part with public funds implement a Mandatory Drug Testing Program. The latest regulation can be downloaded from the following website:

<http://regulations.delaware.gov/AdminCode/title19/4000/4100/4104.pdf>

Drug Testing Requirements

Pursuant to the Office of Management and Budget (OMB) "4104 Regulations for the Drug Testing of Contractor and Subcontractor Employees Working on Large Public Works Projects" required that Contractors and Subcontractors who work on Large Public Works Contracts funded all or in part with public funds implement a Mandatory Drug Testing Program. The latest regulation can be downloaded from the following website: <http://regulations.delaware.gov/AdminCode/title19/4000/4100/4104.pdf>

Craft Training for Public Works Procurement

In accordance with Delaware Code, Title 29, Chapter 69, Section 6962, requires: A public works contract must include a requirement that the contractor provide craft training for journeyman and apprentice levels if all of the following apply:

- A. The project requires prevailing wages and,
- B. The contractor or subcontractor employs 10 or more people and,
- C. It is not a federal highway project, except for the Route 301 project.

The craft training may be provided by any of the following:

- A. The contractor, or
- B. The subcontractor, or
- C. A program registered pursuant under Section 1101-4.0 of Title 19 of the Delaware Administrative Code.

Subsection 6902 defines “Craft Training” as “an apprenticeship program approved by and registered with any state apprenticeship agency or the United States Department of Labor. The Secretary of the Department of Labor shall maintain a list of crafts for which there are approved and registered training programs.”

DELAWARE'S CONTRACTOR REGISTRATION ACT IS EFFECTIVE JULY 1, 2021
<https://labor.delaware.gov/divisions/industrial-affairs/labor-law/contractor-registration-act/>

END OF SECTION

Contract B-01 : Sitework Stormwater

BID FORM

For Bids Due: _____

To: Polytech School District
Nick Johnson
823 Walnut Shade Rd,
Woodside, DE 19980

Name of Bidder: _____

Bidder Address: _____

Contact Name: _____ E-Mail Address: _____

Delaware Business License No.: _____ Taxpayer ID No.: _____

(Other License Nos.): _____

(A copy of Bidder's Delaware Business License must be attached to this form.)

Phone No.: () _____ - _____ Fax No.: () _____

The undersigned, representing that he has read and understands the Bidding Documents and that this bid is made in accordance therewith, that he has visited the site and has familiarized himself with the local conditions under which the Work is to be performed, and that his bid is based upon the materials, systems and equipment described in the Bidding Documents without exception, hereby proposes and agrees to provide all labor, materials, plant, equipment, supplies, transport and other facilities required to execute the work described by the aforesaid documents for the lump sum itemized below:

\$ _____ (\$ _____)

ALLOWANCES

We/I confirm that the following Allowances have been included in the Base Bid price listed above. These allowances are to be used at the Owner's discretion. All remaining allowance funds shall be returned to the Owner at completion.

1. OWNER CONTROLLED ALLOWANCE: Provide an Allowance of \$40,000 for use at the discretion of the construction manager and/or owner, all unused balances to be returned to the owner at completion of project.
2. ADDITIONAL PIPING TEST PITS: Provide an Allowance of \$20,000 for allocation for additional piping, restoration, and additional test pits (above base scope).

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3. EROSION AND SEDIMENT CONTROL: Provide an allowance of \$15,000 for erosion and sediment control requirements required but not shown.
4. STRIPING ALLOWANCE: Provide an Allowance of \$12,000 for temporary striping for use a construction managers discretion, all unused balances to be returned to the owner at completion of project.
5. MAINTENANCE OF TRAFFIC ALLOWANCE: Provide an Allowance of \$40,000 for maintenance of traffic control and direction, all unused balances to be returned to the owner at completion of project.

ALTERNATES

Alternate prices conform to applicable project specification section. Refer to specifications for a complete description of the following Alternates. An "ADD" or "DEDUCT" amount is indicated by the crossed out part that does not apply.

Alternate No. 1: P-6 – PIPE REPLACEMENT

1. The Contractor shall remove and replace the last 45' of pipe P-6. This system shall include:
 - a. Removal of concrete and asphalt as needed to get to pipe.
 - b. Excavation required to remove and replace designated piping.
 - c. Remove and replace piping as defined.
 - d. Fill material as required at excavations.
 - e. Replace concrete and asphalt as required to return limits of construction to original condition, including all striping and markings as required. Reference DELDOT Standards for soils, concrete, and striping/markings.
 - f. Repair and stabilize landscaping.
 - g. State in the bid form the amount to be modified to the Base Bid shown detailed in the Bid Matrix Attachment "A", for the value of the add alternate.

Add/Deduct _____ (\$ _____)

ADDENDUM #1

Alternate No.2: P-7 – PIPE REPLACEMENT

1. The Contractor shall remove and replace pipe P-7. This system shall include:
 - a. Removal of concrete and asphalt as needed to get to pipe.
 - b. Excavation required to remove and replace designated piping.
 - c. Remove and replace piping as defined.
 - d. Fill material as required at excavations.
 - e. Replace concrete and asphalt as required to return limits of construction to original condition, including all striping and markings as required. Reference DELDOT Standards for soils, asphalt, concrete, and striping/markings.
 - f. Repair and stabilize landscaping.
 - g. State in the bid form the amount to be modified to the Base Bid shown detailed in the Bid Matrix Attachment "A", for the value of the add alternate.

Add/Deduct _____ (\$_____)

Alternate No.3: P-53 – PIPE REPLACEMENT

1. The Contractor shall remove and replace pipe P-53. This system shall include:
 - a. Removal of concrete and asphalt as needed to get to pipe.
 - b. Excavation required to remove and replace designated piping.
 - c. Remove and replace piping as defined.
 - d. Fill material as required at excavations.
 - e. Replace concrete and asphalt as required to return limits of construction to original condition, including all striping and markings as required. Reference DELDOT Standards for soils, asphalt, concrete, and striping/markings.
 - f. Repair and stabilize landscaping.
 - g. State in the bid form the amount to be modified to the Base Bid shown detailed in the Bid Matrix Attachment "A", for the value of the add alternate.

Add/Deduct _____ (\$_____)

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Alternate No.4: P-55 – PIPE REPLACEMENT

1. The Contractor shall remove and replace pipe P-552. This system shall include:
 - a. Removal of concrete and asphalt as needed to get to pipe.
 - b. Excavation required to remove and replace designated piping.
 - c. Remove and replace piping as defined.
 - d. Fill material as required at excavations.
 - e. Replace concrete and asphalt as required to return limits of construction to original condition, including all striping and markings as required. Reference DELDOT Standards for soils, asphalt, concrete, and striping/markings
 - f. Repair and stabilize landscaping.
 - g. State in the bid form the amount to be modified to the Base Bid shown detailed in the Bid Matrix Attachment “A”, for the value of the add alternate.

Add/Deduct _____ (\$ _____)

Alternate No.5: P-56 – PIPE REPLACEMENT

1. The Contractor shall remove and replace pipe P-56. This system shall include:
 - a. Removal of concrete and asphalt as needed to get to pipe.
 - b. Excavation required to remove and replace designated piping.
 - c. Remove and replace piping as defined.
 - d. Fill material as required at excavations.
 - e. Replace concrete and asphalt as required to return limits of construction to original condition, including all striping and markings as required. Reference DELDOT Standards for soils, asphalt, concrete, and striping/markings
 - f. Repair and stabilize landscaping.
 - g. State in the bid form the amount to be modified to the Base Bid shown detailed in the Bid Matrix Attachment “A”, for the value of the add alternate.

Add/Deduct _____ (\$ _____)

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Alternate No.6: P-33 – PIPE REPLACEMENT

1. The Contractor shall remove and replace pipe P-33. This system shall include:
 - a. Removal of concrete as needed to get to pipe.
 - b. Excavation required to remove and replace designated piping.
 - c. Remove and replace piping as defined.
 - d. Fill material as required at excavations.
 - e. Replace concrete as required to return limits of construction to original condition, including all striping and markings as required. Reference DELDOT Standards for soils, asphalt, concrete, and striping/markings
 - f. Repair and stabilize landscaping.
 - g. State in the bid form the amount to be modified to the Base Bid shown detailed in the Bid Matrix Attachment "A", for the value of the add alternate.

Add/Deduct _____ (\$ _____)

UNIT PRICES

Unit prices conform to applicable project specification section. Refer to the specifications for a complete description of the following Unit Prices:

	<u>Add</u>	<u>Deduct</u>
1. Remove and replace unsuitable Soils (per cubic yard)	_____	_____

NOTE: The difference in price between Add and Deduct in the above Unit Prices should not exceed fifteen percent (15%).

I/We acknowledge Addendums numbered _____ and the price(s) submitted include any cost/schedule impact they may have.

This bid shall remain valid and cannot be withdrawn for sixty (60) days from the date of opening of bids, and the undersigned shall abide by the Bid Security forfeiture provisions. Bid Security is attached to this Bid (if required).

The Owner shall have the right to reject any or all bids, and to waive any informality or irregularity in any bid received.

This bid is based upon work being accomplished by the Sub-Contractors named on the list attached to this bid.

Should I/We be awarded this contract, I/We pledge to achieve substantial completion of all the work per the preliminary construction schedule in specification section 013216.

The undersigned represents and warrants that he has complied and shall comply with all requirements of local, state, and national laws; that no legal requirement has been or shall be violated in making or accepting this bid, in awarding the contract to him or in the prosecution of the work required; that the bid

ADDENDUM #1

is legal and firm; that he has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding.

Upon receipt of written notice of the acceptance of this Bid, the Bidder shall, within twenty (20) calendar days, execute the agreement in the required form and deliver the Contract Bonds, and Insurance Certificates, required by the Contract Documents.

I am / We are an Individual / a Partnership / a Corporation

By _____ Trading as _____
(Individual's / General Partner's / Corporate Name)

(State of Corporation)

Business Address: _____

Witness: _____ By: _____
(SEAL) (Authorized Signature)

(Title)

Date: _____

ATTACHMENTS

Sub-Contractor List
Non-Collusion Statement
Bid Bond
Consent of Surety
Affidavit of Employee Drug Testing Program
Affidavit of Contractor Qualifications
Affidavit of Craft Training Compliance
Bid Security
Delaware Business License
(Others as Required by Project Manuals)

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b of the Delaware Code, the following subcontractor listing must accompany any bid submittal. The bidder must list **in each category** the full name and address (City & State) of the sub-contractor that the bidder will be using to perform the work and provide material for that subcontractor category. Should the bidder's listed subcontractor intend to provide any of their subcontractor category of work through a third-tier contractor, the bidder shall list that third-tier contractor's full name and address (City & State). **If the bidder intends to perform any category of work itself, it must list its full name and address.** For clarification, if the bidder intends to perform the work themselves, the bidder **may not** insert "not applicable", "N/A", "self" or anything other than its own full name and address (City & State). To do so shall cause the bid to be rejected. In addition, the failure to produce a completed subcontractor list with the bid submittal shall cause the bid to be rejected. If you have more than three (3) third-tier contractors to report in any subcontractor category, print out additional page(s) containing the appropriate category, complete the rest of your list of third-tier contractors for that category, notate the addition in parentheses as (CONTINUATION) next to the subcontractor category and an asterisk (*) next to any additional third-tier contractors, and submit it with your bid.

<u>Subcontractor Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax-payer ID # or Delaware Business license #</u>
1. <u>Sitework</u>			
2. <u>Cleaning of Pipes</u>			
3. <u>Concrete</u>			
4. <u>Asphalt Paving</u>			
5. <u>Fencing</u>			

NON-COLLUSION STATEMENT

This is to certify that the undersigned bidder has neither directly nor indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this proposal submitted this date to Polytech School District.

All the terms and conditions of Contract No. B-01 Storm Water Maintenance/Improvements have been thoroughly examined and are understood.

NAME OF BIDDER: _____

AUTHORIZED REPRESENTATIVE
(TYPED): _____

AUTHORIZED REPRESENTATIVE
(SIGNATURE): _____

TITLE: _____

ADDRESS OF BIDDER: _____

E-MAIL: _____

PHONE NUMBER: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

BID BOND

TO ACCOMPANY PROPOSAL
(Not necessary if security is used)

KNOW ALL MEN BY THESE PRESENTS That: _____ of
_____ in the County of _____ and State of _____ as
Principal, and _____ of _____ in the County of _____
_____ and State of _____ as Surety, legally authorized to do business in the State of Delaware
("State"), are held and firmly unto the Polytech School District in the sum of _____ Dollars
(S_____), or percent not to exceed _____
Dollars (S_____) of amount of bid on Contract No. _____ to be paid to the Polytech
School district for the use and benefit of the Polytech School District for which payment well and truly to be made, we do
bind ourselves, our and each of our heirs, executors, administrators, and successors, jointly and severally for and in the
whole firmly by these presents.

NOW THE CONDITION OF THIS OBLIGATION IS SUCH That if the above bonded Principal who has submitted to the
Polytech School District a certain proposal to enter into this contract for the furnishing of certain material and/or services
within the State, shall be awarded this Contract, and if said Principal shall well and truly enter into and execute this
Contract as may be required by the terms of this Contract and approved by the Polytech School District, this Contract to
be entered into within twenty days after the date of official notice of the award thereof in accordance with the terms of
said proposal, then this obligation shall be void or else to be and remain in full force and virtue.

Sealed with _____ seal and dated this ____ day of _____ in the year of our Lord two thousand
and _____ (20__).

SEALED, AND DELIVERED IN THE PRESENCE OF

Name of Bidder (Organization)

Corporate Seal	By: _____ Authorized Signature
Attest _____	_____ Title
	_____ Name of Surety
Witness _____	_____ Title

CONSENT OF SURETY

DATE _____

To: Polytech School District
Nick Johnson
823 Walnut Shade Rd,
Woodside, DE 19980

Gentlemen:

We, the _____

(Surety Company's Address)

a Surety Company authorized to do business in the State of Delaware hereby agrees that if

(Contractor)

(Address)

is awarded the Contract No. _____

We will write the required Performance and/or Labor and Material Bond required by Paragraph 9 of the Instructions to Bidders.

(Surety Company)

By _____
(Attorney-in-Fact)

AFFIDAVIT
OF
EMPLOYEE DRUG TESTING PROGRAM

4104 Regulations for the Drug Testing of Contractor and Subcontractor Employees Working on Large Public Works Projects requires that Contractors and Subcontractors implement a program of mandatory drug testing for Employees who work on Large Public Works Contracts funded all or in part with public funds.

We hereby certify that we have in place or will implement during the entire term of the contract a Mandatory Drug Testing Program for our employees on the jobsite, including subcontractors, that complies with this regulation:

Contractor/Subcontractor Name: _____

Contractor/Subcontractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20_____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

**AFFIDAVIT
OF
CONTRACTOR QUALIFICATIONS**

We hereby certify that we will abide by the contractor's qualifications outlined in the construction bid specifications for the duration of the contract term.

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b.3 of the Delaware Code, after a contract has been awarded the successful bidder shall not substitute another subcontractor whose name was submitted on the Subcontractor Form except for the reasons in the statute and not without written consent from the awarding agency. Failure to utilize the subcontractors on the list will subject the successful bidder to penalties as outlined in the General Requirements Section 5.2 of the contract.

Contractor Name: _____

Contractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

END OF SECTION

Contract B-02 : Synthetic Track Surfacing

BID FORM

For Bids Due: _____

To: Polytech School District
Nick Johnson
823 Walnut Shade Rd,
Woodside, DE 19980

Name of Bidder: _____

Bidder Address: _____

Contact Name: _____ E-Mail Address: _____

Delaware Business License No.: _____ Taxpayer ID No.: _____

(Other License Nos.): _____

(A copy of Bidder's Delaware Business License must be attached to this form.)

Phone No.: () _____ - _____ Fax No.: () _____

The undersigned, representing that he has read and understands the Bidding Documents and that this bid is made in accordance therewith, that he has visited the site and has familiarized himself with the local conditions under which the Work is to be performed, and that his bid is based upon the materials, systems and equipment described in the Bidding Documents without exception, hereby proposes and agrees to provide all labor, materials, plant, equipment, supplies, transport and other facilities required to execute the work described by the aforesaid documents for the lump sum itemized below:

\$ _____ (\$ _____)

ALLOWANCES

Not Applicable.

ALTERNATES - Not Applicable.

UNIT PRICES - Not Applicable.

NOTE: The difference in price between Add and Deduct in the above Unit Prices should not exceed fifteen percent (15%).

ADDENDUM #1

I/We acknowledge Addendums numbered _____ and the price(s) submitted include any cost/schedule impact they may have.

This bid shall remain valid and cannot be withdrawn for sixty (60) days from the date of opening of bids, and the undersigned shall abide by the Bid Security forfeiture provisions. Bid Security is attached to this Bid (if required).

The Owner shall have the right to reject any or all bids, and to waive any informality or irregularity in any bid received.

This bid is based upon work being accomplished by the Sub-Contractors named on the list attached to this bid.

Should I/We be awarded this contract, I/We pledge to achieve substantial completion of all the work per the preliminary construction schedule in specification section 013216.

The undersigned represents and warrants that he has complied and shall comply with all requirements of local, state, and national laws; that no legal requirement has been or shall be violated in making or accepting this bid, in awarding the contract to him or in the prosecution of the work required; that the bid is legal and firm; that he has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding.

Upon receipt of written notice of the acceptance of this Bid, the Bidder shall, within twenty (20) calendar days, execute the agreement in the required form and deliver the Contract Bonds, and Insurance Certificates, required by the Contract Documents.

I am / We are an Individual / a Partnership / a Corporation

By _____ Trading as _____
(Individual's / General Partner's / Corporate Name)

(State of Corporation)

Business Address: _____

Witness: _____ By: _____
(SEAL) (Authorized Signature)

(Title)

Date: _____

ATTACHMENTS

Sub-Contractor List
Non-Collusion Statement
Bid Bond
Consent of Surety
Affidavit of Employee Drug Testing Program
Affidavit of Contractor Qualifications
Affidavit of Craft Training Compliance
Bid Security
Delaware Business License
(Others as Required by Project Manuals)

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b of the Delaware Code, the following subcontractor listing must accompany any bid submittal. The bidder must list **in each category** the full name and address (City & State) of the sub-contractor that the bidder will be using to perform the work and provide material for that subcontractor category. Should the bidder’s listed subcontractor intend to provide any of their subcontractor category of work through a third-tier contractor, the bidder shall list that third-tier contractor’s full name and address (City & State). **If the bidder intends to perform any category of work itself, it must list its full name and address.** For clarification, if the bidder intends to perform the work themselves, the bidder **may not** insert “not applicable”, “N/A”, “self” or anything other than its own full name and address (City & State). To do so shall cause the bid to be rejected. In addition, the failure to produce a completed subcontractor list with the bid submittal shall cause the bid to be rejected. If you have more than three (3) third-tier contractors to report in any subcontractor category, print out additional page(s) containing the appropriate category, complete the rest of your list of third-tier contractors for that category, notate the addition in parentheses as (CONTINUATION) next to the subcontractor category and an asterisk (*) next to any additional third-tier contractors, and submit it with your bid.

<u>Subcontractor Category</u>	<u>Subcontractor</u>	<u>Address (City & State)</u>	<u>Subcontractors tax-payer ID # or Delaware Business license #</u>
1. Synthetic Track Surfacing			
2.			
3.			
4.			
5.			

NON-COLLUSION STATEMENT

This is to certify that the undersigned bidder has neither directly nor indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this proposal submitted this date to Polytech School District.

All the terms and conditions of Contract No. B-01 Storm Water Maintenance/Improvements have been thoroughly examined and are understood.

NAME OF BIDDER: _____

AUTHORIZED REPRESENTATIVE
(TYPED): _____

AUTHORIZED REPRESENTATIVE
(SIGNATURE): _____

TITLE: _____

ADDRESS OF BIDDER: _____

E-MAIL: _____

PHONE NUMBER: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

BID BOND

TO ACCOMPANY PROPOSAL
(Not necessary if security is used)

KNOW ALL MEN BY THESE PRESENTS That: _____ of
_____ in the County of _____ and State of _____ as
Principal, and _____ of _____ in the County of _____
_____ and State of _____ as Surety, legally authorized to do business in the State of Delaware
("State"), are held and firmly unto the Polytech School District in the sum of _____ Dollars
(S_____), or percent not to exceed _____
Dollars (S_____) of amount of bid on Contract No. _____ to be paid to the Polytech
School district for the use and benefit of the Polytech School District for which payment well and truly to be made, we do
bind ourselves, our and each of our heirs, executors, administrators, and successors, jointly and severally for and in the
whole firmly by these presents.

NOW THE CONDITION OF THIS OBLIGATION IS SUCH That if the above bonded Principal who has submitted to the
Polytech School District a certain proposal to enter into this contract for the furnishing of certain material and/or services
within the State, shall be awarded this Contract, and if said Principal shall well and truly enter into and execute this
Contract as may be required by the terms of this Contract and approved by the Polytech School District, this Contract to
be entered into within twenty days after the date of official notice of the award thereof in accordance with the terms of
said proposal, then this obligation shall be void or else to be and remain in full force and virtue.

Sealed with _____ seal and dated this ____ day of _____ in the year of our Lord two thousand
and _____ (20__).

SEALED, AND DELIVERED IN THE PRESENCE OF

Name of Bidder (Organization)

Corporate Seal	By: _____ Authorized Signature
Attest _____	_____ Title
	_____ Name of Surety
Witness _____	_____ Title

CONSENT OF SURETY

DATE _____

To: Polytech School District
Nick Johnson
823 Walnut Shade Rd,
Woodside, DE 19980

Gentlemen:

We, the _____

(Surety Company's Address)

a Surety Company authorized to do business in the State of Delaware hereby agrees that if

(Contractor)

(Address)

is awarded the Contract No. _____

We will write the required Performance and/or Labor and Material Bond required by Paragraph 9 of the Instructions to Bidders.

(Surety Company)

By _____
(Attorney-in-Fact)

AFFIDAVIT
OF
EMPLOYEE DRUG TESTING PROGRAM

4104 Regulations for the Drug Testing of Contractor and Subcontractor Employees Working on Large Public Works Projects requires that Contractors and Subcontractors implement a program of mandatory drug testing for Employees who work on Large Public Works Contracts funded all or in part with public funds.

We hereby certify that we have in place or will implement during the entire term of the contract a Mandatory Drug Testing Program for our employees on the jobsite, including subcontractors, that complies with this regulation:

Contractor/Subcontractor Name: _____

Contractor/Subcontractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20_____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

**AFFIDAVIT
OF
CONTRACTOR QUALIFICATIONS**

We hereby certify that we will abide by the contractor's qualifications outlined in the construction bid specifications for the duration of the contract term.

In accordance with Title 29, Chapter 69, Section 6962(d)(10)b.3 of the Delaware Code, after a contract has been awarded the successful bidder shall not substitute another subcontractor whose name was submitted on the Subcontractor Form except for the reasons in the statute and not without written consent from the awarding agency. Failure to utilize the subcontractors on the list will subject the successful bidder to penalties as outlined in the General Requirements Section 5.2 of the contract.

Contractor Name: _____

Contractor Address: _____

Authorized Representative (typed or printed): _____

Authorized Representative (signature): _____

Title: _____

Sworn to and Subscribed before me this _____ day of _____ 20____.

My Commission expires _____. NOTARY PUBLIC _____.

THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.

END OF SECTION

SECTION 007343 – WAGE RATE REQUIREMENTS

1. SUMMARY

- A. In accordance with Delaware Code, Title 29, Subchapter IV, Section 6960, all laborers and mechanics of the Contractor and all subcontractors employed to perform work directly upon the site of the work shall be paid unconditionally and not less often than once a week and without subsequent deduction or rebate on any account the full amounts accrued at the time of payment computed at wage rates not less than those determined by the Division of Industrial Affairs, Department of Labor, State of Delaware, as the prevailing rates in this area.
- B. This approved scale of wages must be posted by the Contractor in a prominent and easily accessible place at the site of the work.
- C. It is further stipulated that there may be withheld from the Contractor such accrued payment as may be considered necessary by the contracting officer to pay laborers and mechanics employed by the Contractor or any subcontractors on the work the difference between the rates of wages required and the rate of wages received by such laborers and mechanics and not refunded to the Contractor, subcontractor or their agents.
- D. Where wage rates are published in this Manual they are issued by the State Department of Labor on the date indicated and are included for the convenience of Bidders. The Owner, the Architect, and the Construction Manager, accept no responsibility for the accuracy or applicability of any rates included herein. The actual wage rate determinations which will apply to the work will be those in effect on the first day of public advertisement for bids as determined by the State Department of Labor. It will be the responsibility of each bidder to contact the State Department of Labor and to incorporate these rates in his bid.
- E. In accordance with Delaware Code, Title 29, Subchapter IV, Section 6960, as amended January 11, 2024, contractors shall furnish sworn payroll information to the Department of Labor on a weekly basis for each contract which exceeds \$45,000 for renovation work and/or \$500,000 for new construction. The construction contract amount is based on a cumulative total of all contracts bid for a specific project. Payroll forms for submission may be obtained from the Department of Labor.
 - 1. A Payroll Report, available from the Department of Labor is to be used to provide this information.
- F. A copy of the Prevailing Wages for the project is attached hereto.

END OF SECTION

ADDENDUM NO.1
DECEMBER 31, 2025

STATE OF DELAWARE
DEPARTMENT OF LABOR
DIVISION OF INDUSTRIAL AFFAIRS
OFFICE OF LABOR LAW ENFORCEMENT
PHONE: (302) 318-2769

Mailing Address:
252 Chapman Road
Suite 210
Newark, DE 19702

Located at:
252 Chapman Road
Suite 210
Newark, DE 19702

PREVAILING WAGES FOR HEAVY CONSTRUCTION EFFECTIVE MARCH 14, 2025

CLASSIFICATION	NEW CASTLE	KENT	SUSSEX
ASBESTOS WORKERS	28.89	25.41	55.24
BOILERMAKERS	90.82	41.97	77.00
BRICKLAYERS	90.12	77.39	32.55
CARPENTERS	62.56	62.56	50.80
CEMENT FINISHERS	56.98	31.82	23.71
DIVER	103.26	-	-
DIVER TENDER	116.61	-	-
ELECTRICAL LINE WORKERS	96.29	96.29	96.29
ELECTRICIANS	83.92	83.92	83.92
GLAZIERS	26.67	23.17	15.70
INSULATORS	69.12	69.12	69.12
IRON WORKERS	78.58	79.67	78.58
LABORERS	57.65	57.65	57.65
MILLWRIGHTS	88.35	88.35	70.97
PAINTERS	95.76	95.76	95.76
PILEDRIVERS	91.12	51.44	40.03
PLASTERERS	25.12	21.85	15.00
PLUMBERS/PIPEFITTERS/STEAMFITTERS	99.88	101.73	25.47
POWER EQUIPMENT OPERATORS	83.29	89.93	83.29
SHEET METAL WORKERS	40.16	24.92	23.41
SPRINKLER FITTERS	43.29	16.39	15.00
TRUCK DRIVERS	44.73	26.88	29.10

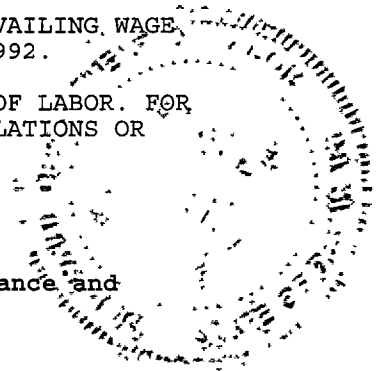
CERTIFIED: 12/30/2025 BY: [Signature]
ADMINISTRATOR, OFFICE OF LABOR LAW ENFORCEMENT

NOTE: THESE RATES ARE PROMULGATED AND ENFORCED PURSUANT TO THE PREVAILING WAGE REGULATIONS ADOPTED BY THE DEPARTMENT OF LABOR ON APRIL 3, 1992.

CLASSIFICATIONS OF WORKERS ARE DETERMINED BY THE DEPARTMENT OF LABOR. FOR ASSISTANCE IN CLASSIFYING WORKERS, OR FOR A COPY OF THE REGULATIONS OR CLASSIFICATIONS, PHONE (302) 318-2769.

NON-REGISTERED APPRENTICES MUST BE PAID THE MECHANIC'S RATE.

PROJECT: PSD25001-PHS_STORM Polytech High School Storm Water Maintenance and Improvements, Kent County



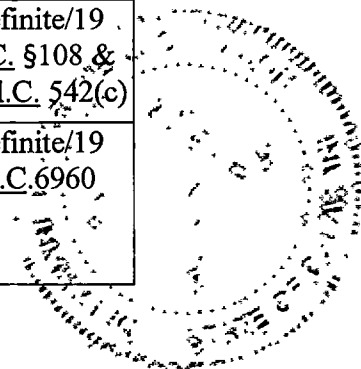
PREVAILING WAGE DEBARMENT LIST

The following contractors have been debarred for violations of the prevailing wage law 29Del.C. §6960 or other applicable State statutes.

Therefore, no public construction contract in this State shall be bid on, awarded to, or received by contractors and individuals on this list for a period of (3) three years from the date of the judgment or as deemed by a court of competent jurisdiction.

Contractor	Address	Date of Debarment
Mullen Brothers, Inc. and Daniel Mullen, individually	3375 Garnett Road, Boothwyn, PA 19060	Indefinite/ Civil Contempt
State Contractors Corporation, and Jose Oscar Rivera, individually	13004 Hathaway Drive Silver Spring, MD 20906	Indefinite/ 19 <u>Del.C. 2374(f)</u>
Green Granite and Jason Green, individually	604 Heatherbrooke Court Avondale, PA 19311	Indefinite/ Civil Contempt
Pro Image Landscaping, Inc. and Owner(s) individually	23 Commerce Street Wilmington, DE 19801 and/or 2 Cameo Road Claymont, DE 19703	Indefinite/19 <u>Del.C. §108 &</u> 10 <u>Del.C. 542(c)</u>
Liberty Mechanical, LLC and Owner(s), individually	2032 Duncan Road Wilmington, DE 19801	Indefinite/ 19 <u>Del.C. 2374(f)</u>
Integrated Mechanical and Fire Systems Inc. and Allison Sheldon, individually	4601 Governor Printz Boulevard Wilmington, DE 19809	Indefinite/19 <u>Del.C. §108 &</u> 10 <u>Del.C. 542(c)</u>
ACH 1, INC.	873 Salem Church Road Newark, DE 19702	Indefinite/19 <u>Del.C. 6960</u>

Updated: July 6, 2022



SECTION 011100 - SUMMARY OF WORK

1. RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Sections, apply to work of this Section.

2. CONTRACTS

- A. The work will be performed under separate prime contracts managed by the Construction Manager.

3. ALTERATIONS & COORDINATION

- A. Contractor shall be responsible to coordinate their work with the work of others, including, but not limited to, the preparation of general coordination drawings, diagrams and schedules, and control of site utilization, from the beginning of activity, through project close-out and warranty periods.

4. KNOWLEDGE OF CONTRACT REQUIREMENTS

- A. The Contractor and his Subcontractors, Sub-subcontractors and material men shall consult in detail the Contract Documents for instructions and requirements pertaining to the Work, and at his and their cost, shall provide all labor, materials, equipment and services necessary to furnish, install and complete the work in strict conformance with all provisions thereof.
- B. The Contractor will be held to have examined the site of the Work prior to submitting his proposal and informed himself, his Subcontractors, Sub-subcontractors and material men of all existing conditions affecting the execution of the Work.
- C. The Contractor will be held to have examined the Contract Documents and modifications thereto, as they may affect subdivisions of the Work and informed himself, his Subcontractors, Sub-subcontractors and material men of all conditions thereof affecting the execution of the Work.
- D. The Scope of Work for the Contract is not necessarily limited to the description of each section of the Specifications and the illustrations shown on the Drawings. Include all minor items not expressly indicated in the Contract Documents, or as might be found necessary as a result of field conditions, in order to complete the Work as it is intended, without any gaps between the various subdivisions of work.
- E. The Contractor will be held to be thoroughly familiar with all conditions affecting labor in the area of the Project including, but not limited to, Unions, incentive pay, procurements, living, parking and commuting conditions and to have informed his Subcontractors and Sub-subcontractors thereof.

5. CONTRACT DOCUMENTS INFORMATION

- A. The Contract Documents are prepared in accordance with available information as to existing conditions and locations. If, during construction, conditions are revealed at variance with the Contract Documents, notify the Construction Manager immediately, but no more than three (3) days from the day the variance is first known. Failure to give timely notice shall operate to waive any claim Contractor might otherwise have for an adjustment to Contract Time or Sum as a consequence of such variance.
- B. The Specifications determine the kinds and methods of installation of the various materials, the Drawings establish the quantities, dimensions and details of materials, the schedules on the Drawings give the location, type and extent of the materials.
- C. Dimensions given on the Drawings govern scale measurements and large scale drawings govern small scale drawings, except as to anything omitted unless such omission is expressly noted on the large scale drawings.
- D. The techniques or methods of specifying to record requirements varies throughout text, and may include "prescriptive", "open generic/descriptive", "compliance with standards", "performance", "proprietary", or a combination of these. The methods used for specifying one unit of work has no bearing on requirements for another unit of work.
- E. Whenever a material, article or piece of equipment is referred to in the singular number in the Contract Documents, it shall be the same as referring to it in the plural. As many such materials, articles or pieces of equipment shall be provided as are required to complete the Work.
- F. Whenever a material, article or piece of equipment is specified by reference to a governmental, trade association of similar standard, it shall comply with the requirements of the latest publication thereof and amendments thereto in effect on the bid date.
- G. In addition to the requirements of the Contract Documents, Contractor's work shall also comply with applicable standards of the construction industry and those industry standards are made a part of Contract Documents by reference, as if copied directly into Contract Documents, or as if published copies were bound herein.
- H. Where compliance with two (2) or more industry standards, contract requirements, or sets of requirements is specified, and overlapping of those different standards or requirements establishes different or conflicting minimums or levels of quality, then the most stringent requirements, which are generally recognized to be also the most costly, is intended and will be enforced, unless specifically detailed language written into the Contract Documents clearly indicates that a less stringent requirement is to be fulfilled. Refer apparently equal but different requirements, and uncertainties as to which level of quality is more stringent, to Architect for decision before proceeding.
- I. Reference standards referenced directly in Contract Documents or by governing regulations have precedence over non-reference standards which are recognized in industry for applicability of

work.

- J. Contractor's bid is based on the complete set of Contract Documents including documents not specifically issued as part of the bid pack but referenced in same.

6. SCOPE OF WORK/GENERAL INFORMATION

- A. A Scope of Work for each contract to be awarded on the project follows in this section. When a Contract has been awarded to a Contractor, the successful Contractor will be listed after the title of the Contract. When no Contract has yet been awarded, no Contractor's name will be listed. Previous Scopes of Work include addendum changes.
- B. Contractor is responsible for performing the work listed in the Summary of Work for his contract. Contractor is also responsible for knowing the work that has been assigned to preceding contracts. No additional compensation or extension of time will be allowed a Contractor due to his ignorance of the work assigned to his Contract or to other contracts which may affect his work. The Contractor is responsible, however, for all items which are covered in the Specifications and Drawings relating to their Contract if not specifically mentioned in the Summary of Work.
- C. The Construction Manager will provide on-site a source for temporary electric, temporary water and portable sanitation facilities only. It is each Contractor's responsibility to make the necessary connections, including all material for temporary electric and water. Please note that utility charges for office trailers will be the responsibility of the individual Contractors.
- D. A dumpster will be provided on site for free use by Contractors to dispose of non-hazardous, common, work-related refuse. Clean-up is the responsibility of each Contractor. Clean up shall be performed on a daily basis. Contractors not complying will be advised in writing and back charged for all costs associated with the cleanup of their work.
- E. Contractors are reminded that there are limited storage areas available on site. Off-site storage will be the responsibility of each individual Contractor.
- F. Office trailer permits off site will be the responsibility of each individual Contractor. On site Contractor's field offices, one (1) per Contractor, if required, will be located as directed by the Construction Manager.
- G. Contractor will be prepared to discuss and submit a detailed project schedule seven (7) days after receipt of Notice to Proceed and to begin its submittal process. The Project Schedule is an integral part of this contract. Certain construction sequences and priorities must take place in order to meet the target dates. Concentrated work periods will occur and each Contractor is responsible to staff the project as required by the current Construction Schedule or as directed by the Construction Manager. Contractor will cooperate with the Construction Manager in planning and meeting the required sequences of work and Project Schedule as periodically updated by the Construction Manager.

- H. All bids must include insurance limits in accordance with Article 11 of the Section 007300 SUPPLEMENTARY CONDITIONS.
- I. Hoisting, scaffolding and material handling is the responsibility of each Contractor, unless otherwise noted.
- J. Contractor will be responsible for layout of its own work. The Construction Manager will provide benchmark and layout of the building line.
- K. Contractor will be responsible to keep clean public roadways soiled by construction traffic on a daily basis. If cleaning is not done, the Construction Manager may perform the cleaning on an overtime basis and backcharge the Contractor responsible.
- L. Contractor Scopes of Work and Schedule are interrelated. Familiarity with each is required.
- M. The Construction Manager will provide testing services for soil, concrete and steel. Other testing as required by the Contract Documents will be in accordance with the technical specifications and/or the individual scope of work. Refer to Specification Section 004500 - QUALITY CONTROL.
- N. Safety is the responsibility of each individual Contractor. The project will be governed under the guidelines of OSHA.
- O. Inter-Contractor shop drawing distribution will be performed by the Construction Manager. Contractor is individually responsible for either coordinating his work with these distributed drawings or notifying the Construction Manager, in writing, of any discrepancies.
- P. Coordination with other trades will be required. The Contractor will be required to attend periodic coordination meetings with other trades where requirements, conflicts and coordination issues will be discussed and resolved. Attendance when requested will be mandatory. If inter-Contractor coordination is not satisfactorily performed, the conflicting Contractors shall mutually share the cost to relocate and/or reinstall their work.
- Q. Contractor shall submit a schedule of values to the Construction Manager prior to the submission of their first invoice for through Building Blok
- R. Contractor is expected to review and coordinate its Work with the complete set of Contract Documents, including all items noted as by his trade whether or not shown on that particular set of drawings. Documents are available at the site for review.
- S. Contractor is responsible for obtaining all necessary permits required for his work, including street permits. Unless otherwise noted, building permit shall be secured by the Construction Manager. Any subcontractor who will be restricting access to street, right of way or adjacent property must notify the Construction Manager 48 hours in advance.

- T. Contractor's License: Submit a copy of all business licenses required by local and state agencies.
- U. Contractor shall absorb, without additional compensation, any and all costs of working beyond normal hours to maintain job progress in accordance with the current construction schedule.
- V. No asbestos or PCB's in or on any material or equipment will be accepted or allowed on this project. All hazardous materials will be treated in accordance with all State and Federal regulations.
- W. Daily cleanup of the work is the responsibility of each individual Contractor which includes broom cleaning of their debris as required. Contractor will be individually back charged by the Construction Manager for clean up not satisfactorily performed by the Contractor.
- X. In the event asbestos is uncovered, the Contractor shall notify the Construction Manager of the areas requiring removal of asbestos. The Construction Manager shall then coordinate the removal with the Owner.
- Y. This project is to be constructed adjacent to and in existing buildings. Contractor shall exercise all due precautions to minimize noise, air pollution and any other construction hazards which in any way would cause discomfort or danger to the occupants of the existing building in the area.
- Z. Existing mechanical, electrical, plumbing, sprinkler, medical gas, fire alarm, etc. systems will be shut off and locked out by the Owner as required by the Work. Tie-in's and modifications to those systems will be performed by the specific Contractor associated with the work as indicated in the Contract Documents. Re-energizing and re-startup of all systems should be performed by the Owner.
- AA. The Safety Cable System shall not be altered or removed without a written request submitted to the Project Manager with a copy to the Field Manager. It shall be the responsibility of each and every Contractor that is removing or altering the Safety Cable System to maintain the fall protection safety provided by the safety cable and not leave the area unprotected. Each and every Contractor shall be responsible to re-install the Safety Cable System immediately after work is completed. Each and every Contractor shall be responsible to re-install the Safety Cable System in accordance to OSHA standards.
- AB. Normal work hours for this project are from 7:00 a.m. to 3:30 p.m. Any work to be performed outside of these hours must receive prior approval from the Construction Manager. Requests to work beyond normal work hours shall be submitted at least 48 hours prior.
- AC. Contractor is responsible for having a competent project superintendent/foreman on-site during all work performed under its contract.
- AD. In the event the Contractor has non-English speaking employees or subcontractors on the project, they shall have a superintendent or foreman on site, at all times, who speaks English and can communicate with Contractor's employees. Should the Contractor fail to meet this requirement, at any time, Construction Manager may direct all Work to stop until the proper

supervision is on site. The Contractor will be responsible for maintaining the project work schedule and make up at its own expense, any delay to the Schedule resulting from the work stoppage.

AE. Punch List Procedures: Contractor shall be given a copy of the punch list with his appropriate work identified. Contractor shall have nine (9) calendar work days to complete its punch list work. On the 10th day or as determined by the Construction Manager, the Construction Manager shall employ other contractors, as required, to complete any incomplete punch list work and retain from the appropriate Contractors retainage all costs incurred.

AF. Contractor shall provide the necessary safety barricades and railings required to complete their work and comply with all OSHA, local code and contract specifications.

AG. Liquidated Damages: Contractors are responsible to provide sufficient manpower and equipment and materials to complete work as shown in the project schedule. Any delays in completing a phase of work due to issues caused by a contractor will be subject to a penalty of \$0.00 per calendar day that the work is not completed following the scheduled completion date of that phase of work.

AH. Prohibition of Using Photographs on EDiS Projects: The Contractor and all associated subcontractors agrees to not issue any news release or advertising pertaining to the Work or the Project, including references to the Project on the Contractor's/subcontractor website or other social media outlets, without obtaining EDiS' prior written approval, in each instance. The Contractor, for itself, its employees, vendors and subcontractors, agrees to not use the name of the Owner, the Project, EDiS or any photographs, videos, or other images of the Project in connection with any of Contractor's business promotion activities, advertising, website, social media outlets, or operations, without EDiS' prior written approval in each instance.

CONTRACT NO. B-01 – SITEWORK / STORMWATER

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification Sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Section 31 20 00	Earth Moving
Section 32 12 16	Asphalt paving
Section 32 13 13	Concrete Paving
Section 32 1814	Subgrade and Stone Aggregate Drainage Layer
Section 32 31 13	Chain Link Fence and Gates
Section 33 41 00	Storm Utility Drainage Piping

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Reference ATTACHMENT "A" BIDDING MATRIX sheets at end of this specification section (011100 – Summary of Work) for piping base bid and alternate clarification.
 - a. Attachment "A" Bidding Matrix for Sheet C102
 - b. Attachment "A" Bidding Matrix for Sheet C103
 - c. Attachment "A" Bidding Matrix for Sheet C104
 - d. Attachment "A" Bidding Matrix for Sheet C105
 - e. Attachment "A" Bidding Matrix for Sheet C106
 - f. Attachment "A" Bidding Matrix for Sheet C107
 - g. Attachment "A" Bidding Matrix for Sheet C108
 - h. Attachment "A" Bidding Matrix for Sheet C109
 - i. Attachment "A" Bidding Matrix for Sheet C110
2. Remove and replace storm drainage lines, including excavation and backfill, as required by the Drawings and Specifications including but not limited to:
 - a. All transition fittings from old to new piping as required.
 - b. All modifications to existing inlets as required.
3. This contractor should include jetting of all storm drainage lines as indicated on the drawings. Subcontractor shall provide documentation of the jetting and camera footage of each line, labeled with the specific area per the drawings. All spoils from jetting and cleaning of pipes to be removed from site and disposed of properly. Contractor shall provide full camera scoping of jetted storm lines and basins (Resolution to be no less than 4k. Provide video and photographic documentation for construction manager's review.
4. Install RIPRAP indicated on drawings per DNREC standard.
5. Replace grates as indicated on drawings.

6. Camera all lines at completion of work.
7. This contractor should include all miscellaneous work as shown on the drawings such as cleaning debris from inlets, lining existing piping, and replacing any areas damaged by construction activities.
8. This contractor to provide NPDES sign as required (see sheet C114).
9. This subcontractor should include removal and replacing of all concrete sidewalks, parking bumpers, and signage as required to complete scopes of work in the work areas unless noted otherwise .
10. Subcontractor to provide and maintain concrete wash out container.
11. This subcontractor to provide site clean up on a daily basis, and sweeping as needed to keep roads and parking areas clean and presentable.
12. This subcontractor should include all milling and overlay as shown to be included in base bid and provide new striping at impacted areas once paving has been completed.
13. This subcontractor shall provide the following as it relates to the sports track which will be affected by the storm drainage work:
 - a. Restore the base construction and concrete per track surfacing manufacturers requirements.
14. This subcontractor shall include restoring all green areas, seeding, vegetative stabilization, and providing matting until growth stabilization is achieved. Contractor shall separate topsoil from other soil in order to properly restore these areas. The contractor shall provide any additional topsoil as required. All mulched areas shall be replaced to as new condition.
15. Backfilling is the responsibility of this Subcontractor. It is the intent to use on site material and not imported fill. The use of this on-site material shall conform with the compaction requirements as specified on Civil drawings and in specification section 02200. If on site material does not meet these requirements, a unit price for imported fill will be used.
16. This subcontractor shall include restoring all pavement, sidewalks, curbs, grades, etc. to match existing in areas disturbed by the work in this scope. This restoration shall be done in accordance with project documents, DelDOT, and ADA requirements. Care shall be taken to minimize the area disturbed.
17. Base bid shall include all standard dewatering measures, utilizing trenches, crocks, stone and portable pumping measures. This contractor provides these measures as required to perform their work. Well pointing if necessary, will be handled as a negotiated cost by the Owner.
18. Placement and maintenance of sediment control systems including but not limited to inlet

protection on all nearby stormwater inlets in the active roadway. Furnish, install, maintain and remove sediment control system including sediment control plan. Maintain sediment control until substantial completion as established by DNREC.

19. Provide temporary shoring as required to complete utility work in accordance with all OSHA standards.
20. This Subcontractor shall clean streets and sidewalks daily. This Subcontractor shall collect and remove from the site daily all rubbish and other debris resulting from its operations.
21. Include all costs for temporary barricades, arrows, pedestrian protection, flagmen, etc. as required to complete the work.
22. Clearing, grubbing and removal of trees, roots and stumps.
23. Topsoil stripping and stockpiling on site.
24. Rough grading for area defined on site drawings for building, lawn areas, bituminous roads, parking and walkways. Preparation of subgrade for building slabs, walks and pavements.
25. Subcontractor will be responsible for laying out all concrete work as shown on the drawings.
26. Furnish, install and remove temporary orange construction fencing as required by Construction Manager (including 6,000 linear feet in base bid). Manage until substantially completed.
27. Furnish, install, maintain and remove temporary site fencing, temporary walks as shown on the site plan.
28. Proof rolling of limit of excavation.
29. Remove and replace existing fencing for work as indicated on drawings. Replace posts, foundations, and any damaged fencing per notes on drawings.
30. Provide playing field construction where impacted by scope performed by this subcontractor including grading, preparation of subbase, planting mix, seeding and line striping.
31. Temporary water and/or power will be the responsibility of the individual Contractors. The Construction Manager will not provide this service.
32. Provide specified warranties, general 2-year and all extended warranties.
33. This contractor must provide a silica exposure plan that meets or exceeds the new 2017 silica OSHA requirements before any work can commence. At a minimum, it must be implemented into the company safety plan, include all monitoring, testing, limits exposure, provide respiratory plan and/or equipment modifications such as adding water to equipment during exposed work and keep records of exposure.

34. Provide As-Built Drawings both in electronic format and a hard copy.
35. See Attachment "A" – Bid Matrix for clarification of base bid and bid alternates summary. (3 Pages)
36. Include a \$40,000 allowance allocation for use as directed by the construction manager, remaining funds to be returned to owner a project completion
37. Include a \$20,000 allocation for additional piping, restoration, and additional test pits (above base scope).
38. Include a \$15,000 allowance for Erosion and Sediment Control requirements required but not shown.
39. Provide an Allowance of \$12,000 for temporary striping for use a construction managers discretion, all unused balances to be returned to the owner at completion of project.
40. Provide an Allowance of \$40,000 for maintenance of traffic control and direction, all unused balances to be returned to the owner at completion of project.
41. Assume all excess soils, remaining excavations, and demolition items to be removed from site and properly disposed of. Owner will have option of selecting items they wish to remain on site such as, but not limited to: ADDENDUM #1.
 - a. Riprap materials.
 - b. Top Soil.
42. Items not indicated to be removed cannot be removed, trimmed, or damaged. Owner approval must be requested and approved prior to any trimming or removal of items not specifically identified on construction documents to be trimmed or removed. ADDENDUM #1.
43. Protect Trees and vegetation as indicated on drawings. ADDENDUM #1.
44. Demolition of existing structures on drawings as indicated. ADDENDUM #1.
45. Remove existing wooden posts and reinstall as indicated on documents, record and document locations prior to removal. ADDENDUM #1.
46. Provide and install dewatering bag at existing concrete spillway as indicated on drawings. ADDENDUM #1.
47. Removal of existing ripraps per construction documents. ADDENDUM #1.

ADDENDUM #1

- 48. This contractor shall temporarily remove existing fencing for sufficient working access to the work within the stadium in two locations to be determined with the awarded contractor. Replace posts, foundations, and any damaged fencing in accordance with details on drawings. ADDENDUM #1.**

END OF SECTION

CONTRACT NO. B-02 – SYNTHETIC TRACK SURFACING

A. Work included in this contract consists of, but is not necessarily limited to, all labor, materials and equipment for:

- Technical Specification Sections:

Division 0	Bidding and Contract Requirements
Division 1	General Requirements
Section 32 1823.39	Synthetic Running Track Surfacing
Section 32 1823.40	Synthetic Running Track Resurfacing

This contract also includes, but is not necessarily limited to, all labor, materials and equipment for the following:

1. Survey and document all competition lines on Synthetic Track surfaces.
2. This contractor shall provide the following as it relates to the sports track which will be affected by the storm drainage work:
 - a. Cut the sports track in a manner that allows a proper full depth patch.
 - b. Provide a full depth track resurfacing as indicated in specification 321823.39. **Provide within the base bid, additional full depth track resurfacing at area of poor adhesion, approximately 30 feet wide by 30 feet long. ADDENDUM #1.**
 - c. Provide a overlay of the entire sports track and adjacent areas using the specified re-surface material .
 - d. Re-stripe the track and adjacent areas.

END OF SECTION

POLYTECH HIGH SCHOOL STORMWATER MANAGEMENT POND RETROFIT

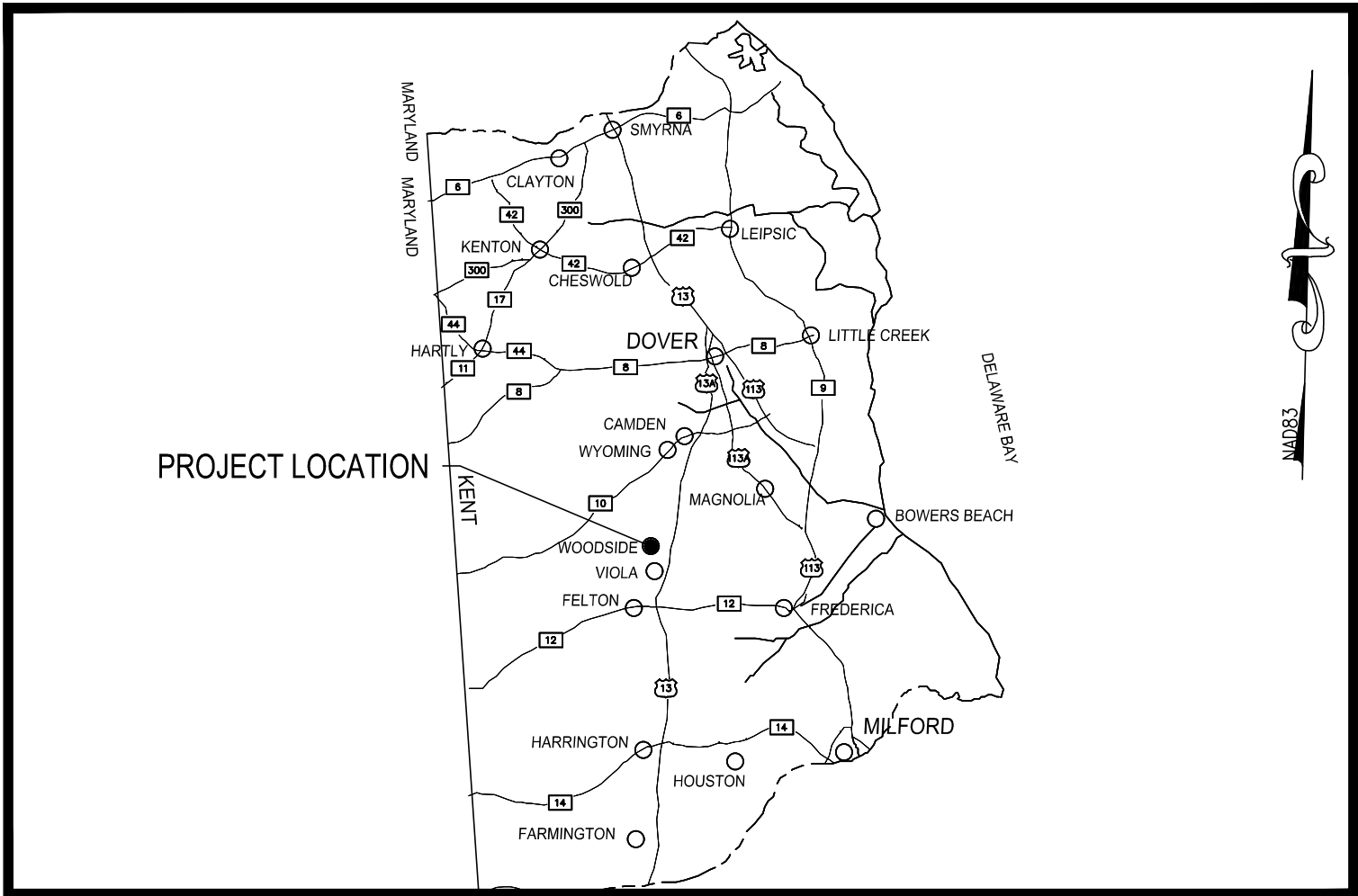
823 WALNUT SHADE ROAD
WOODSIDE, KENT COUNTY, DELAWARE 19980

PROJECT NO. 25003885.001A

DECEMBER 2025



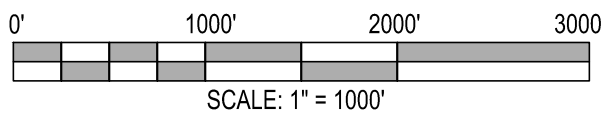
LOCATION MAP



KENT COUNTY MAP



SITE MAP



INDEX OF SHEETS FOR PROJECT

SHEET NO.:	TITLE
C200	COVER SHEET
C201	LEGEND
C202	PRE CONSTRUCTION SITE MANAGEMENT PLAN
C203	POST CONSTRUCTION SITE MANAGEMENT PLAN
C204	CONSTRUCTION DETAIL
C205	CONSTRUCTION DETAIL
C206	CONSTRUCTION DETAIL
C207	CONSTRUCTION DETAIL
C208	CONSTRUCTION DETAIL
C209	POST CONSTRUCTION STORMWATER MANAGEMENT FACILITY
C210	POST CONSTRUCTION STORMWATER MANAGEMENT FACILITY

GENERAL EROSION & SEDIMENT CONTROL NOTES

1. THE DNREC SEDIMENT AND STORMWATER PROGRAM (OR DELEGATED AGENCY) SHALL BE NOTIFIED IN WRITING 5 DAYS PRIOR TO COMMENCING WITH CONSTRUCTION. FAILURE TO DO SO CONSTITUTES A VIOLATION OF THE APPROVED SEDIMENT AND STORMWATER MANAGEMENT PLAN.
2. REVIEW AND/OR APPROVAL OF THE SEDIMENT AND STORMWATER MANAGEMENT PLAN SHALL NOT RELIEVE THE CONTRACTOR FROM HIS OR HER RESPONSIBILITIES FOR COMPLIANCE WITH THE REQUIREMENTS OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS, NOR SHALL IT RELIEVE THE CONTRACTOR FROM ERRORS OR OMISSIONS IN THE APPROVED PLAN.
3. IF THE APPROVED PLAN NEEDS TO BE MODIFIED, ADDITIONAL SEDIMENT AND STORMWATER CONTROL MEASURES MAY BE REQUIRED AS DEEMED NECESSARY BY DNREC OR THE DELEGATED AGENCY.
4. FOLLOWING SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED FOR ALL PERIMETER SEDIMENT CONTROLS, SOIL STOCKPILES, AND ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE WITHIN 14 CALENDAR DAYS UNLESS MORE RESTRICTIVE FEDERAL REQUIREMENTS APPLY.
5. ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL COMPLY WITH THE DELAWARE EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION.
6. AT ANY TIME A Dewatering OPERATION IS USED, IT SHALL BE PREVIOUSLY APPROVED BY THE AGENCY CONSTRUCTION SITE REVIEWER FOR A NON-EROSIVE POINT OF DISCHARGE, AND A Dewatering PERMIT SHOULD BE APPROVED BY THE DNREC WELL PERMITTING BRANCH.
7. APPROVED PLANS REMAIN VALID FOR 5 YEARS FROM THE DATE OF APPROVAL.
8. POST CONSTRUCTION VERIFICATION DOCUMENTS SHALL BE SUBMITTED TO THE DEPARTMENT WITHIN 60-DAYS OF STORMWATER MANAGEMENT FACILITY COMPLETION.
9. APPROVAL OF A SEDIMENT AND STORMWATER MANAGEMENT PLAN DOES NOT GRANT OR IMPLY A RIGHT TO DISCHARGE STORMWATER RUNOFF. THE OWNER/DEVELOPER IS RESPONSIBLE FOR ACQUIRING ANY AND ALL AGREEMENTS, EASEMENTS, ETC., NECESSARY TO COMPLY WITH STATE DRAINAGE AND OTHER APPLICABLE LAWS.
10. THE NOTICE OF INTENT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY UNDER A NPDES GENERAL PERMIT FOR THIS PROJECT IS # (TO BE FILLED IN ONCE RECEIVED). THE PERMITTEE OF RECORD SHALL NOT BE RELIEVED OF THEIR RESPONSIBILITIES UNTIL A NOTICE OF TERMINATION HAS BEEN PROCESSED BY THE DEPARTMENT.
11. THE OWNER SHALL BE FAMILIAR WITH AND COMPLY WITH ALL ASPECTS OF THE NPDES CONSTRUCTION GENERAL PERMIT.
12. THE CONTRACTOR SHALL AT ALL TIMES PROTECT AGAINST SEDIMENT OR DEBRIS LADEN RUNOFF OR WIND FROM LEAVING THE SITE. PERIMETER CONTROLS SHALL BE CHECKED DAILY AND ADJUSTED OR REPAIRED TO FULLY CONTAIN AND CONTROL SEDIMENT FROM LEAVING THE SITE. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT HAS REACHED HALF OF THE EFFECTIVE CAPACITY OF THE CONTROL. IN ADDITION, THE CONTRACTOR MAY NEED TO ADJUST OR ALTER MEASURES IN TIMES OF ADVERSE WEATHER CONDITIONS, OR AS DIRECTED BY THE AGENCY CONSTRUCTION SITE REVIEWER.
13. BEST AVAILABLE TECHNOLOGY (BAT) SHALL BE EMPLOYED TO MANAGE TURBID DISCHARGES IN ACCORDANCE WITH REQUIREMENTS OF 7, DEL. C. CH 60, REGULATIONS GOVERNING THE CONTROL OF WATER POLLUTION, SECTION 9.1.02, KNOWN AS SPECIAL CONDITIONS FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES, AND DNREC POLICIES, PROCEDURES, AND GUIDANCE.
14. EXISTING UTILITIES ARE SHOWN IN ACCORDANCE WITH THE BEST AVAILABLE INFORMATION. COMPLETENESS OR CORRECTNESS THEREOF IS NOT GUARANTEED. THE CONTRACTOR SHALL VERIFY EXACT LOCATIONS OF ALL EXISTING UTILITIES IN THE FIELD. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE UTILITY OWNERS INVOLVED TO SECURE THE MOST ACCURATE INFORMATION AVAILABLE AS TO UTILITY LOCATION AND ELEVATION. ALL COSTS OF UTILITY LOCATING SHALL BE INCIDENTAL TO THE CONTRACT.
15. TO LOCATE EXISTING UTILITIES IN THE FIELD PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A LOCATE REQUEST TO MISS UTILITY OF DELMARVA (EASTERN SHORE MARYLAND AND DELAWARE). NO EXCAVATION WORK SHALL BEGIN UNTIL ALL UTILITIES AS IDENTIFIED THROUGH THE MISS UTILITY LOCATE REQUEST HAVE EITHER BEEN CLEARED OR MARKED IN THE FIELD. TO LOCATE PRIVATELY OWNED UTILITIES THE CONTRACTOR SHALL CONTACT AND ARRANGE WITH THE UTILITY OWNER TO MARK THE PRIVATE UTILITIES IN THE FIELD. IF THE PRIVATE UTILITY OWNER DOES NOT MARK THEIR UTILITIES IN THE FIELD, THE CONTRACTOR SHALL EMPLOY A PRIVATE UTILITY COMPANY TO MARK THE UTILITIES.
16. NO CONSTRUCTION AROUND OR ADJACENT TO UTILITIES SHALL BEGIN WITHOUT NOTIFYING THEIR OWNERS AT LEAST 48-HOURS IN ADVANCE. THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE TO THE MAXIMUM EXTENT POSSIBLE. ALL EXISTING UTILITIES SHALL BE PROTECTED AND TEMPORARILY SUPPORTED OR RELOCATED AS NECESSARY TO COMPLETE THE WORK IN ACCORDANCE WITH THE PERTINENT UTILITY COMPANY OR UTILITY OWNER REQUIREMENTS. ANY DAMAGE DONE TO EXISTING UTILITIES DUE TO CONTRACTOR'S NEGLIGENCE SHALL BE IMMEDIATELY AND COMPLETELY REPAIRED TO THE SATISFACTION OF THE UTILITY OWNER AT THE CONTRACTOR'S EXPENSE.
17. THE CONTRACTOR SHALL DESIGNATE A PERSON WHO SHALL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING THE EROSION AND SEDIMENT CONTROL MEASURES. THE PERSON RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING THE EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CERTIFIED BY DNREC FOR EROSION AND SEDIMENT CONTROL RESPONSIBILITY (CERTIFIED CONSTRUCTION REVIEWER - BLUE CARD).
18. THE CONTRACTOR SHALL ONLY WORK WITHIN THE DESIGNATED LIMIT OF CONSTRUCTION (LOC). ALL RUTS AND DEPRESSIONS CAUSED BY CONSTRUCTION ACTIVITY SHALL BE FILLED, TOPSOILED, SEEDED AND MULCHED TO MATCH THE ADJACENT AREA. IMPACTS TO WETLANDS OR WORK OUTSIDE OF THE LIMIT OF CONSTRUCTION IS STRICTLY PROHIBITED.
19. THE AREAS OF SITE WORK ARE GENERALLY SHOWN. HOWEVER, THE EXTENT OF RESTORATION IS NOT NECESSARILY LIMITED TO THESE AREAS. THE CONTRACTOR SHALL RESTORE ALL PAVING, SIDEWALKS, OR NON-PAVED AREAS AFFECTED BY THE CONSTRUCTION TO A CONDITION COMPARABLE TO THAT EXISTING PRIOR TO CONSTRUCTION, AND TO THE SATISFACTION OF DNREC.
20. THE CONTRACTOR SHALL REGRADE AND RESTORE ALL AREAS DISTURBED BY THE CONSTRUCTION AS NECESSARY TO PROVIDE A UNIFORM, GRADUAL TRANSITION BETWEEN NEW FINISHED GRADES AND EXISTING GRADES, TO CREATE A NATURAL APPEARANCE AND TO PROVIDE POSITIVE DRAINAGE AWAY FROM PAVED AREAS AND BUILDINGS. SUCH GRADING AND RESTORATION SHALL BE DONE TO THE SATISFACTION OF DNREC. THE COST FOR SITE RESTORATION SHALL BE INCIDENTAL TO THE CONTRACT.
21. EXISTING SOILS, CONSTRUCTION MATERIALS, DEBRIS, CONCRETE, MASONRY, CONDUIT, PIPE, ETC. REMOVED DURING CONSTRUCTION, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE LEGALLY DISPOSED OF OFF SITE.
22. NO DEMOLISHED MATERIAL OR STORED MATERIALS SHALL BE SOLD ON SITE.
23. DEMOLITION SHALL INCLUDE THE REMOVAL, TRANSPORTATION, AND LEGAL DISPOSAL OF ALL MATERIALS AS INDICATED ON THE DRAWINGS, INCLUDING ALL RELATED DEBRIS, ETC.
24. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSING OF ALL EXCESS MATERIAL OFF SITE AND/OR PROVIDING ADDITIONAL FILL MATERIAL AS REQUIRED. THIS PROJECT IS ANTICIPATED TO GENERATE EXCESS MATERIAL.
25. NO DEBRIS SHALL BE BURIED OR BURNED ON THE SITE UNLESS SPECIFICALLY NOTED WITHIN THESE PLANS OR SPECIFICATIONS.
26. BLASTING SHALL NOT BE ALLOWED.
27. THERE ARE NO KNOWN HAZARDOUS MATERIALS WITHIN AREAS TO BE EXCAVATED ON THE SITE. IN THE EVENT THAT ANY HAZARDOUS MATERIALS MAY BE ENCOUNTERED WITHIN EXCAVATIONS, THE CONTRACTOR SHALL IMMEDIATELY STOP WORK AND CONTACT DNREC.
28. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR OBTAINING OFF-SITE SPOIL AREAS FOR LEGAL DISPOSAL OF EXCESS AND/OR UNSUITABLE EXCAVATED MATERIALS AS NECESSARY IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS. ALL COSTS FOR TRANSPORTING TO, PROCURING AND UTILIZING THE OFF-SITE SPOIL AREAS ARE INCIDENTAL TO THE CONTRACT.

GENERAL SITE NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING THE CONSTRUCTION SITE FROM ACCESS BY THE PUBLIC DURING THE CONSTRUCTION PERIOD. THE CONTRACTOR'S PROCEDURES AND METHODS FOR LIMITING PUBLIC ACCESS SHALL BE SUBMITTED TO AND APPROVED BY POLYTECH PRIOR TO THE START OF WORK.
2. AS A MINIMUM, THE CONTRACTOR SHALL CLOSE PUBLIC ACCESS TO THE CONSTRUCTION SITE BY PROVIDING CONSTRUCTION BARRICADES AT THE ENTRANCE TO THE CONSTRUCTION SITE.
3. ALL TRAFFIC CONTROL DEVICES SHALL BE IN NEW OR REFURBISHED CONDITION AND SHALL BE IN COMPLIANCE WITH NCHRP 350.
4. THE CONTRACTOR SHALL CONDUCT THE WORK WITH CONSIDERATION GIVEN TO THE EXISTING CONDITIONS AND FEATURES AT THE SITE. THE CONTRACTOR SHALL PROTECT ALL FEATURES NOT DESIGNATED TO BE REMOVED. FEATURES NOT SPECIFICALLY DESIGNATED FOR DEMOLITION OR REMOVAL THAT ARE DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO DNREC.
5. THE CONTRACTOR SHALL PROVIDE ITS OWN FACILITIES AS NECESSARY DURING CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, CONSTRUCTION TRAILER, STORAGE FACILITIES, AND RESTROOMS.
6. THE CONTRACTOR SHALL HOLD A PRE-CONSTRUCTION MEETING WITH THE OWNER, ENGINEER AND ANY OTHER ATTENDEES REQUESTED BY THE OWNER A MINIMUM OF 1 WEEK IN ADVANCE OF MOBILIZATION TO THE SITE.
7. THE CONTRACTOR SHALL CONTACT THE OWNER AND THE ENGINEER AT LEAST 48 HOURS PRIOR TO ALL MEETINGS, INCLUDING PRE-CONSTRUCTION MEETINGS, AS REQUIRED IN THE CONSTRUCTION SPECIFICATIONS.
8. THE CONTRACTOR SHALL NOTE THAT IN CASE OF DISCREPANCY BETWEEN THE SCALED AND THE FIGURED DIMENSIONS SHOWN ON THE PLANS, THE FIGURED DIMENSIONS SHALL GOVERN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING ALL DIMENSIONS NECESSARY FOR THE WORK.
9. IN CASE OF CONFLICT BETWEEN THE "MANUFACTURER'S RECOMMENDATIONS" FOR AN APPROVED MATERIAL AND THE GOVERNING "CONTRACT SPECIFICATIONS" FOR THE MATERIAL, THE MORE RESTRICTIVE OF THE TWO SHALL PREVAIL UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
10. THE CONTRACTOR SHALL FOLLOW ALL APPLICABLE FEDERAL, STATE AND MUNICIPAL REGULATIONS, INCLUDING THE FEDERAL DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ACT.
11. THESE DRAWINGS DO NOT INCLUDE NECESSARY ELEMENTS OF CONSTRUCTION SAFETY. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL SITE SAFETY. ALL CONSTRUCTION, INCLUDING EXCAVATION, BACKFILLING, DEMOLITION, AND INSTALLATION, MUST BE COMPLETED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT, CFR §1926.652(b)(2), AND ALL FEDERAL, STATE AND LOCAL REQUIREMENTS. THE CONTRACTOR SHALL DESIGNATE A PERSON WHO SHALL BE RESPONSIBLE FOR CONSTRUCTION SITE AND WORKER SAFETY.
12. THE TERM "ENGINEER," NOTED THROUGHOUT THE CONTRACT PLANS AND SPECIFICATIONS SHALL REFER TO CENTURY ENGINEERING OR THEIR APPOINTED REPRESENTATIVE.
13. THE CONTRACTOR SHALL PROVIDE THE OWNER A MINIMUM TWO WORKING DAY ADVANCE NOTICE OF ANY PROPOSED UTILITY DISRUPTION OR OUTAGE FOR APPROVAL.
14. THE CONTRACTOR SHALL MAINTAIN A CLEAN SET OF NEATLY DRAWN "AS-BUILT" DRAWINGS LABELED IN RED INK THAT ACCURATELY ILLUSTRATE ALL FIELD CHANGES. FINAL "AS-BUILT" DRAWINGS SHALL BE DATED AND SIGNED BY THE CONTRACTOR AND SUBMITTED TO THE OWNER AT THE END OF THE PROJECT FOR RECORDATION.
15. PORTIONS OF THE WORK ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE DELAWARE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (STANDARD SPECIFICATIONS) INCLUDING ALL REVISIONS UP TO ADVERTISEMENT OF THIS PROJECT, UNLESS NOTED OTHERWISE IN THESE PLANS OR THE SPECIFICATIONS. SITE ELEMENTS WITHIN THIS PLAN FOLLOW DELAWARE DEPARTMENT OF TRANSPORTATION SPECIFICATIONS. SIX (6) DIGIT ITEM NUMBER PROVIDED REFERS TO SPECIFICATION SECTION.

OWNER CERTIFICATION	LICENSED PROFESSIONAL CERTIFICATION	DNREC PLAN APPROVAL
I, NICK JOHNSON, REPRESENTING POLYTECH HIGH SCHOOL, HEREBY CERTIFY THAT ALL LAND CLEARING, CONSTRUCTION AND DEVELOPMENT SHALL BE DONE PURSUANT TO THE APPROVED PLAN AND THAT RESPONSIBLE PERSONNEL (I.E., BLUE CARD HOLDER) INVOLVED IN THE LAND DISTURBANCE WILL HAVE A CERTIFICATION OF TRAINING PRIOR TO INITIATION OF THE PROJECT, AT A DNREC SPONSORED OR APPROVED TRAINING COURSE FOR THE CONTROL OF EROSION AND SEDIMENT DURING CONSTRUCTION. IN ADDITION, I GRANT THE DNREC SEDIMENT AND STORMWATER PROGRAM AND/OR THE RELEVANT DELEGATED AGENCY THE RIGHT TO CONDUCT ONSITE REVIEWS, AND I UNDERSTAND MY RESPONSIBILITIES UNDER THE NPDES CONSTRUCTION GENERAL PERMIT, AS REFERENCED ON THIS COVERSHEET.	I, ALEXANDER E. SCHMIDT, HEREBY CERTIFY THAT THIS PLAN HAS BEEN PREPARED UNDER MY SUPERVISION AND TO THE BEST OF MY KNOWLEDGE COMPLIES WITH THE APPLICABLE STATE AND LOCAL REGULATIONS AND ORDINANCES.	
NICHOLAS JOHNSON POLYTECH HIGH SCHOOL 823 WALNUT SHADE ROAD WOODSIDE, DE 19980 (302) 697-3255 NICHOLAS.JOHNSON@POLYTECH.K12.DE.US	ALEXANDER E. SCHMIDT, P.E. DE NO. 16139 VICE PRESIDENT CENTURY ENGINEERING, LLC A KLEINFELDER COMPANY 550 BAY ROAD DOVER, DELAWARE 19901 (302) 734-9188 ASCHMIDT@KLEINFELDER.COM	
DATE	12/12/25 DATE	

REVISIONS:

DATE: DESCRIPTION:

POLYTECH HIGH SCHOOL
STORMWATER MANAGEMENT POND RETROFIT

COVER SHEET

SEAL:



CIVIL ENGINEER:

CENTURY
ENGINEERING
CONSULTING ENGINEERS, SURVEYORS
550 SOUTH BAY ROAD
DOVER, DELAWARE 19901

CEI CONTRACT NO.: 25003885.001A

DESIGNED BY:

FRM

DRAWN BY:

KC

CHECKED BY:

AES

DATE:

DECEMBER 2025

SCALE:

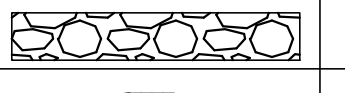
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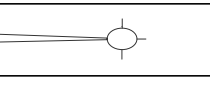
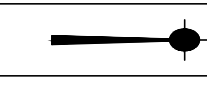
SHEET NO.:

C200

CONTRACT NO.:

MANMADE ROADSIDE FEATURES			
FEATURE DESCRIPTION	EXISTING	PROPOSED	ID
BOLLARD – STEEL POLE	⊙	●	
BOLLARD – WOOD POST	⊠	■	
CURB, TYPE 1 AND TYPE 3	=====	=====	
CURB, TYPE 2	=====	=====	
CURB & GUTTER, TYPE 1	=====	=====	
CURB & GUTTER, TYPE 2	=====	=====	
CURB & GUTTER, TYPE 3	=====	=====	
FENCE – CHAINLINK OR STRANDED	— X —	— X —	
FENCE	— ○ —	— ○ —	
FLAG POLE	FP ⊙	FP ●	
GUARDRAIL – STEEL BEAM, TYPE 1	— ○ — ○ —		
LAMP AND POST	LAMP ⊙		
MAILBOX	MR □	MR ■	
PAVEMENT	=====	=====	
PILLAR OR MISCELLANEOUS POST	○	●	
TRAFFIC SIGN AND POST	T V	● ▼	

DRAINAGE FEATURES			
FEATURE DESCRIPTION	EXISTING	PROPOSED	ID
BIOFILTRATION SWALE		← BFS → X —	
DITCH OR STREAM CENTERLINE	— ○ ○ —	— X → X →	
DIRECTIONAL STREAM FLOW ARROW	— ~ ~ ~ →		
DRAINAGE INLET	C.B. □	■	
DRAINAGE JUNCTION BOX	J.B. □	■	
DRAINAGE MANHOLE	Ⓚ	●	
DRAINAGE PIPE AND FLOW ARROW	== SIZE TYPE == →	=====	
FLARED END SECTION		◀	
RIPRAP – AREA FEATURE	=====		
SAFETY END SECTION		◀	
UNDERDRAIN		→	
UNDERDRAIN OUTLET		→	

UTILITY FEATURES		
FEATURE DESCRIPTION	EXISTING	PROPOSED
CABLE TV DISTRIBUTION BOX	TV	
COMMUNICATIONS – UNDERGROUND	— COMM —	— COMM —
ELECTRIC – UNDERGROUND	— UG–E —	— UG–E —
ELECTRIC MANHOLE	Ⓜ	
ELECTRIC METER	E.M. □	
ELECTRIC TRANSFORMER	E.T. □	
GAS – UNDERGROUND	— UG–G —	— UG–G —
GAS MANHOLE	Ⓜ	
GAS METER	G.M. □	
GAS VALVE	G.V. ○	
GAS PUMP – SERVICE STATION	G.P. □	
IRRIGATION – UNDERGROUND	— IR — IR —	— IR — IR —
ITMS – UNDERGROUND	— ITMS —	— ITMS —
LIGHTING – UNDERGROUND	— LI — LI —	— LI — LI —
LUMINAIRE – POLE MOUNTED		
MANHOLE – UNDETERMINED OWNER	Ⓜ	
RAILROAD TRACKS		
SANITARY – UNDERGROUND	— S — S — S —	== S == S == S ==
SANITARY SEWER MANHOLE	Ⓜ	●
SANITARY SEWER VALVE	S.V. ○	
SANITARY SEWER CLEANOUT OR VENT	Ⓜ	Ⓜ
SEPTIC DRAIN FIELD	[S.D.F.]	=====
SIGNALIZATION – UNDERGROUND	— SIG —	— SIG —
SOIL BORING LOCATION	⊙	
TELEPHONE BOOTH	[B]	
TELEPHONE MANHOLE	Ⓜ	
TELEPHONE TEST POINT	TTP ○	
TRAFFIC – CONDUIT JUNCTION WELL	J.W. □	
TRAFFIC – LIGHT POLE AND BASE	Ⓜ	
TRAFFIC – PEDESTRIAN POLE & BASE	Ⓜ	
TRAFFIC – SIGNAL CABINET & BASE	Ⓜ	
TRAFFIC – SIGNAL POLE AND BASE	Ⓜ	
UTILITY BOX	UB	
UTILITY POLE GUY WIRE ANCHOR	↔	↔
UTILITY POLE	Ⓜ	●
UTILITY TEST HOLE LOCATION	⊙	
WATER – UNDERGROUND	— W —	— W —
WATER – FIRE HYDRANT	Ⓜ	Ⓜ
WATER METER	W.M. □	W.M. □
WATER VALVE	W.V. ○	W.V. ○
WATER – FIRE DEPARTMENT CONNECTION	FDC ○	Ⓜ
WELL HEAD	WELL ○	WELL ●

SITE NOTES:

GENERAL NOTES

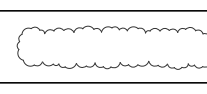
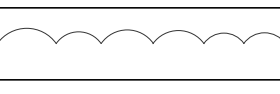
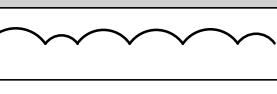
- THE CONSTRUCTION SITE WILL BE CLOSED TO PUBLIC ACCESS DURING THE CONSTRUCTION PERIOD. THE CONTRACTOR WILL HAVE PRIMARY ACCESS AND CONTROL OF THE SITE DURING THE CONSTRUCTION PERIOD.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION SITE SAFETY DURING THE CONSTRUCTION PERIOD. AS A MINIMUM THE CONTRACTOR SHALL SECURE THE EXISTING CHAIN LINK FENCE THAT WILL BE REMOVED FOR ACCESS AND PLACE SIGNAGE ON THE TEMPORARY GATE NOTIFYING THE PUBLIC THAT THIS IS AN ACTIVE CONSTRUCTION SITE AND NOT OPEN TO PUBLIC ACCESS. THE CONTRACTOR'S PROPOSED PROCEDURES FOR IDENTIFYING AND SECURING THE CONSTRUCTION SITE TO CONTROL PUBLIC ACCESS SHALL BE SUBMITTED TO POLYTECH FOR APPROVAL PRIOR TO THE START OF WORK. THE COST TO INSTALL, RELOCATE, AND MAINTAIN SITE SECURITY SHALL BE INCIDENTAL TO THE CONTRACT.
- WHERE, AT ALL TIMES, CONSTRUCTION VEHICLES, EQUIPMENT, WORKERS, AND THEIR ACTIVITIES ARE ACCESSING THE CONSTRUCTION SITE THROUGH OR FROM THE PUBLIC RIGHT-OF-WAY, THE CONTRACTOR SHALL CONDUCT OPERATIONS IN A SAFE MANNER AND NOT OBSTRUCT OR RESTRICT THE PUBLIC USE OF THE RIGHT-OF-WAY. WHERE IT IS NECESSARY FOR CONSTRUCTION VEHICLES, EQUIPMENT, WORKERS, OR THEIR ACTIVITIES TO OBSTRUCT OR RESTRICT THE PUBLIC USE OF THE RIGHT-OF-WAY THE CONTRACTOR SHALL PROVIDE FOR THE MAINTENANCE OF TRAFFIC WITHIN THE PUBLIC RIGHT-OF-WAY AS REQUIRED IN ACCORDANCE WITH THE DELAWARE TRAFFIC CONTROL MANUAL, LATEST EDITION.
- ALL TRAFFIC CONTROL DEVICES SHALL BE IN NEW OR REFURBISHED CONDITION AND SHALL BE IN COMPLIANCE WITH NCHRP 350.
- THE CONTRACTOR SHALL CONDUCT THE WORK WITH CONSIDERATION GIVEN TO THE EXISTING CONDITIONS AND FEATURES AT THE SITE. THE CONTRACTOR SHALL PROTECT ALL FEATURES NOT DESIGNATED TO BE REMOVED. FEATURES NOT SPECIFICALLY DESIGNATED FOR DEMOLITION OR REMOVAL THAT ARE DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL PROVIDE ITS OWN FACILITIES AS NECESSARY DURING CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, CONSTRUCTION TRAILER, STORAGE FACILITIES, AND PORTABLE TOILETS.
- THE CONTRACTOR SHALL HOLD A PRE-CONSTRUCTION MEETING WITH THE OWNER, ENGINEER AND ANY OTHER ATTENDEES REQUESTED BY THE OWNER A MINIMUM OF 1 WEEK IN ADVANCE OF MOBILIZATION TO THE SITE.
- THE CONTRACTOR SHALL CONTACT THE OWNER AND THE ENGINEER AT LEAST 48 HOURS PRIOR TO ALL MEETINGS, INCLUDING PRE-CONSTRUCTION MEETINGS.
- THE CONTRACTOR SHALL NOTE THAT IN CASE OF DISCREPANCY BETWEEN THE SCALED AND THE FIGURED DIMENSIONS SHOWN ON THE PLANS, THE FIGURED DIMENSIONS SHALL GOVERN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING ALL DIMENSIONS NECESSARY FOR THE WORK.
- IN CASE OF CONFLICT BETWEEN THE "MANUFACTURER'S RECOMMENDATIONS" FOR AN APPROVED MATERIAL AND THE GOVERNING "CONTRACT SPECIFICATIONS" FOR THE MATERIAL, THE MORE RESTRICTIVE OF THE TWO SHALL PREVAIL UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL FOLLOW ALL APPLICABLE FEDERAL, STATE AND MUNICIPAL REGULATIONS, INCLUDING THE FEDERAL DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ACT.
- THESE DRAWINGS DO NOT INCLUDE NECESSARY ELEMENTS OF CONSTRUCTION SAFETY. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL SITE SAFETY. ALL CONSTRUCTION, INCLUDING EXCAVATION, BACKFILLING, DEMOLITION, AND INSTALLATION, MUST BE COMPLETED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT, CFR §1926.652(b)(2), AND ALL FEDERAL, STATE AND LOCAL REQUIREMENTS. THE CONTRACTOR SHALL DESIGNATE A PERSON WHO SHALL BE RESPONSIBLE FOR CONSTRUCTION SITE AND WORKER SAFETY.
- THE TERM "ENGINEER," NOTED THROUGHOUT THE CONTRACT PLANS AND SPECIFICATIONS SHALL REFER TO POLYTECH, OR THEIR APPOINTED REPRESENTATIVE.
- THE CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES AND PROVIDE ADVANCE NOTIFICATION OF ANY PROPOSED UTILITY DISRUPTION OR OUTAGE AS REQUIRED BY THE UTILITY COMPANY.
- THE CONTRACTOR SHALL MAINTAIN A CLEAN SET OF NEATLY DRAWN "AS-BUILT" DRAWINGS LABELED IN RED INK THAT ACCURATELY ILLUSTRATE ALL FIELD CHANGES. FINAL "AS-BUILT" DRAWINGS SHALL BE DATED AND SIGNED BY THE CONTRACTOR AND SUBMITTED TO THE OWNER AT THE END OF THE PROJECT FOR RECORDATION.
- PORTIONS OF THE WORK ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE DELAWARE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (STANDARD SPECIFICATIONS) DATED JANUARY 2025 OR LATEST EDITION INCLUDING ALL REVISIONS UP TO ADVERTISEMENT OF THIS PROJECT, UNLESS NOTED OTHERWISE IN THESE PLANS OR THE SPECIFICATIONS. SITE ELEMENTS WITHIN THIS PLAN FOLLOW DELAWARE DEPARTMENT OF TRANSPORTATION SPECIFICATIONS. SIX (6) DIGIT ITEM NUMBER PROVIDED REFERS TO SPECIFICATION SECTION.

- THE BASE SURVEY, INCLUDING ALL CONTOURS AND ELEVATIONS, IS BASED ON CONVENTIONAL SURVEY TAKEN IN THE FIELD. A BOUNDARY SURVEY WAS NOT PERFORMED.
- EXISTING UTILITIES ARE SHOWN IN ACCORDANCE WITH THE BEST AVAILABLE INFORMATION. COMPLETENESS OR CORRECTNESS THEREOF IS NOT GUARANTEED. THE CONTRACTOR SHALL VERIFY EXACT LOCATIONS OF ALL EXISTING UTILITIES IN THE FIELD. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE UTILITY OWNERS INVOLVED TO SECURE THE MOST ACCURATE INFORMATION AVAILABLE AS TO UTILITY LOCATION AND ELEVATION. ALL COSTS OF UTILITY LOCATING SHALL BE INCIDENTAL TO THE CONTRACT.
- TO LOCATE EXISTING UTILITIES IN THE FIELD PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A LOCATE REQUEST TO MISS UTILITY OF DELAWARE (EASTERN SHORE MARYLAND AND DELAWARE). NO EXCAVATION WORK SHALL BEGIN UNTIL ALL UTILITIES AS IDENTIFIED THROUGH THE MISS UTILITY LOCATE REQUEST HAVE EITHER BEEN CLEARED OR MARKED IN THE FIELD. TO LOCATE PRIVATELY OWNED UTILITIES THE CONTRACTOR SHALL CONTACT AND ARRANGE WITH THE UTILITY OWNER TO MARK THE PRIVATE UTILITIES IN THE FIELD. IF THE PRIVATE UTILITY OWNER DOES NOT MARK THEIR UTILITIES IN THE FIELD, THE CONTRACTOR SHALL EMPLOY A PRIVATE UTILITY COMPANY TO MARK THE UTILITIES.
- NO CONSTRUCTION AROUND OR ADJACENT TO UTILITIES SHALL BEGIN WITHOUT NOTIFYING THEIR OWNERS AT LEAST 48 HOURS IN ADVANCE. THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE TO THE MAXIMUM EXTENT POSSIBLE. ALL EXISTING UTILITIES SHALL BE PROTECTED AND TEMPORARILY SUPPORTED OR RELOCATED AS NECESSARY TO COMPLETE THE WORK IN ACCORDANCE WITH THE PERTINENT UTILITY COMPANY OR UTILITY OWNER REQUIREMENTS. ANY DAMAGE DONE TO EXISTING UTILITIES DUE TO CONTRACTOR'S NEGLIGENCE SHALL BE IMMEDIATELY AND COMPLETELY REPAIRED TO THE SATISFACTION OF THE UTILITY OWNER AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL DESIGNATE A PERSON WHO SHALL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING THE EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CERTIFIED BY DNREC FOR EROSION AND SEDIMENT CONTROL RESPONSIBILITY (CERTIFIED CONSTRUCTION REVIEWER – BLUE CARD).
- THE CONTRACTOR SHALL ONLY WORK WITHIN THE DESIGNATED LIMIT OF DISTURBANCE (LOD). ALL RUTS AND DEPRESSIONS CAUSED BY CONSTRUCTION ACTIVITY SHALL BE FILLED, TOPSOILED, SEEDED AND MULCHED TO MATCH THE ADJACENT AREA. IMPACTS TO WETLANDS OR WORK OUTSIDE OF THE LIMIT OF CONSTRUCTION IS STRICTLY PROHIBITED.
- THE AREAS OF SITE WORK ARE GENERALLY SHOWN. HOWEVER, THE EXTENT OF RESTORATION IS NOT NECESSARILY LIMITED TO THESE AREAS. THE CONTRACTOR SHALL RESTORE ALL PAVING, SIDEWALKS, OR NON-PAVED AREAS AFFECTED BY THE CONSTRUCTION TO A CONDITION COMPARABLE TO THAT EXISTING PRIOR TO CONSTRUCTION, AND TO THE SATISFACTION OF DNREC.
- THE CONTRACTOR SHALL REGRADE AND RESTORE ALL AREAS DISTURBED BY THE CONSTRUCTION AS NECESSARY TO PROVIDE A UNIFORM, GRADUAL TRANSITION BETWEEN NEW FINISHED GRADES AND EXISTING GRADES, TO CREATE A NATURAL APPEARANCE AND TO PROVIDE POSITIVE DRAINAGE AWAY FROM PAVED AREAS AND BUILDINGS. SUCH GRADING AND RESTORATION SHALL BE DONE TO THE SATISFACTION OF POLYTECH. THE COST FOR SITE RESTORATION SHALL BE INCIDENTAL TO THE CONTRACT.
- EXISTING SOILS, CONSTRUCTION MATERIALS, DEBRIS, CONCRETE, MASONRY, CONDUIT, PIPE, ETC. REMOVED DURING CONSTRUCTION, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE LEGALLY DISPOSED OF OFF SITE.
- NO DEMOLISHED MATERIAL OR STORED MATERIALS SHALL BE SOLD ON SITE.
- DEMOLITION SHALL INCLUDE THE REMOVAL, TRANSPORTATION, AND LEGAL DISPOSAL OF ALL MATERIALS AS INDICATED ON THE DRAWINGS, INCLUDING ALL RELATED DEBRIS, ETC.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSING OF ALL EXCESS MATERIAL OFF SITE AND/OR PROVIDING ADDITIONAL FILL MATERIAL AS REQUIRED. THIS PROJECT IS ANTICIPATED TO GENERATE EXCESS MATERIAL.
- NO DEBRIS SHALL BE BURIED OR BURNED ON THE SITE UNLESS SPECIFICALLY NOTED WITHIN THESE PLANS OR SPECIFICATIONS.
- BLASTING SHALL NOT BE ALLOWED.
- THERE ARE NO KNOWN HAZARDOUS MATERIALS WITHIN AREAS TO BE EXCAVATED ON THE SITE. IN THE EVENT THAT ANY HAZARDOUS MATERIALS MAY BE ENCOUNTERED WITHIN EXCAVATIONS, THE CONTRACTOR SHALL IMMEDIATELY STOP WORK AND CONTACT DNREC.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR OBTAINING OFF-SITE SPOIL AREAS FOR LEGAL DISPOSAL OF EXCESS AND/OR UNSUITABLE EXCAVATED MATERIALS AS NECESSARY IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS. ALL COSTS FOR TRANSPORTING TO, PROCURING AND UTILIZING THE OFF-SITE SPOIL AREAS ARE INCIDENTAL TO THE CONTRACT.

PROJECT SPECIFICATION HIERARCHY

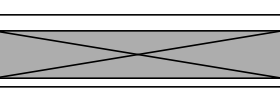
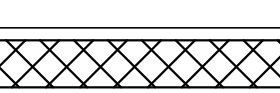
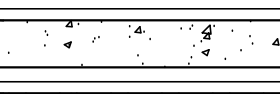
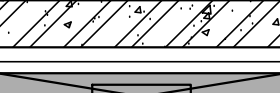
ELEMENTS UNDER THIS CONTRACT SHALL BE CONSTRUCTED UTILIZING THE FOLLOWING INFORMATION IN THE HIERARCHY LISTED BELOW:

- CONTRACT AGREEMENT BETWEEN OWNER AND CONTRACTOR.
- APPROVED PLANS.
- PROJECT MANUAL AND ENCLOSED TECHNICAL SPECIFICATIONS.
- STATE OF DELAWARE DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL EROSION AND SEDIMENT CONTROL HANDBOOK, JULY 2023 OR MOST CURRENT AT DATE OF ADVERTISEMENT.
- DELAWARE DEPARTMENT OF TRANSPORTATION STANDARD CONSTRUCTION DETAILS, 2025, OR MOST CURRENT AT ADVERTISEMENT.
- DELAWARE DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS FOR BRIDGE AND ROAD CONSTRUCTION, JANUARY 2025, OR MOST CURRENT AT DATE OF ADVERTISEMENT.
- THE CONTRACTOR STOCKPILE AREA IS SHOWN ON THE DRAWINGS. IF THE CONTRACTOR INTENDS TO STAGE OR STORE MATERIALS OFF-SITE IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY FOR OBTAINING ALL THE PROPER SEDIMENT AND STORMWATER APPROVALS AND/OR PERMITS THROUGH THE DESIGNATED DELEGATED AGENCY WHICH WILL BE DETERMINED BY THE LOCATION OF THE OFF-SITE MATERIAL STOCKPILE OR STAGING AREAS. ALL COSTS ASSOCIATED WITH OFF-SITE STOCKPILE OR STAGING AREAS SHALL BE INCIDENTAL TO THE WORK.
- THE CONTRACTOR SHALL LOAD TEST ALL SUBGRADE SOIL AREAS PRIOR TO PLACEMENT OF NEW SOIL STABILIZATION FABRIC AND GRADED AGGREGATE BASE COURSE FOR ALL PAVED AREAS. ANY AREAS OF UNSUITABLE MATERIAL SHALL BE EXCAVATED TO THE DEPTH OF STABLE SOIL AND BACKFILLED WITH APPROVED MATERIAL. DELDOT ITEM NO. 209002, BORROW TYPE B, SHALL BE UTILIZED FOR BACKFILL OF ALL UNDERCUT LOCATIONS AS DIRECTED BY THE ENGINEER IN THE FIELD. THE CONTRACTOR SHALL COMPACT ALL MATERIALS TO MEET THE DELDOT STANDARD SPECIFICATIONS. THE COST OF UNSUITABLE SUBGRADE UNDERCUT, REMOVAL, BACKFILL SHALL BE PAID FOR BY CHANGE ORDER.

NATURAL ROADSIDE FEATURES		
FEATURE DESCRIPTION	EXISTING	PROPOSED
HEDGEROW OR THICKET		
MARSH BOUNDARY LINE	— V —	
TREE – CONIFEROUS	✱	
TREE – DECIDUOUS	⊙	
TREE STUMP	Ⓜ	
SHRUBBERY	Ⓜ	
WETLAND BOUNDARY – DELINEATED	— V — WL —	
WOODS LINE BOUNDARY		

RIGHT-OF-WAY FEATURES		
FEATURE DESCRIPTION	EXISTING	PROPOSED
DENIAL OF ACCESS	— DA —	— DA —
EASEMENT – OTHERS	=====	=====
PERMANENT EASEMENT	— PE —	— PE —
PROPERTY LINE	=====	=====
PROPERTY MARKER – CONCRETE	C.M. □	C.M. ■
PROPERTY MARKER – IRON PIPE	I.P. ○	I.P. ●
RIGHT-OF-WAY BASELINE	100+00	100+00
RIGHT-OF-WAY LINE	— RW —	— RW —
RIGHT-OF-WAY & DENIAL OF ACCESS	— R/W–DA —	— R/W–DA —
RIGHT-TO-ENTER		— RTE —
TEMPORARY CONSTRUCTION EASEMENT		— TCE —
CLEAR ZONE		— CZ —
HORIZONTAL CLEARANCE		— HC —

SURVEY CONTROL & MONUMENTATION	
FEATURE DESCRIPTION	EXISTING
SURVEY BENCHMARK LOCATION	B.M. ●
SURVEY TIE POINT LOCATION	T.P. +
SURVEY TRAVERSE POINT	△

MISCELLANEOUS FEATURES	
FEATURE DESCRIPTION	PROPOSED
BUTT JOINT	
CLEAR ZONE	— CZ —
CONSTRUCTION BASELINE	100+00
LIMIT OF CONSTRUCTION	— LOC —
DEMOLITION	
P.C.C. SIDEWALK	
6" P.C.C. SIDEWALK	
PAVEMENT PATCH	

IDENTIFIERS	
FEATURE DESCRIPTION	ID
ABANDON BY CONTRACTOR	
ABANDON BY OTHERS	
ADJUST BY CONTRACTOR	
ADJUST BY OTHERS	
BEST MANAGEMENT PRACTICE	
BUS STOP PAD / TYPE	
BUS STOP WITH SHELTER PAD / TYPE	
CONCRETE SAFETY BARRIER	
CONVERT TO JUNCTION BOX	
CONVERT TO DRAINAGE MANHOLE	
DO NOT DISTURB	
ENERGY DISSIPATOR	
FILL WITH FLOWABLE FILL	
LANDSCAPE PLANTINGS	
PEDESTRIAN CONNECTION / TYPE	
RELOCATE BY CONTRACTOR	
RELOCATE BY OTHERS	
RELOCATE BY PROPERTY OWNER	
REMOVE BY CONTRACTOR	
REMOVE BY OTHERS	
REMOVE BY TRAFFIC CONTRACTOR	
RIGHT-OF-WAY MONUMENT	

EROSION & SEDIMENT CONTROL FEATURES	
FEATURE DESCRIPTION	PROPOSED
LIMIT OF DISTURBANCE	— LOD —
GEOTEXTILE DEWATERING BAG	
PUMPING PIT	
SILT FENCE	— SF —
COMPOST FILTER LOG	— CFL —
INLET PROTECTION TYPE 1	
STOCKPILE LIMITS	— SP —

REVISIONS:	BY:				
DATE:	DESCRIPTION:				

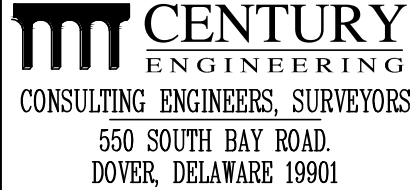
POLYTECH HIGH SCHOOL
STORMWATER MANAGEMENT POND RETROFIT

LEGEND

SEAL:



CIVIL ENGINEER:



CEI CONTRACT NO.: 25003885.001A

DESIGNED BY:
FRM

DRAWN BY:
KC

CHECKED BY:
AES

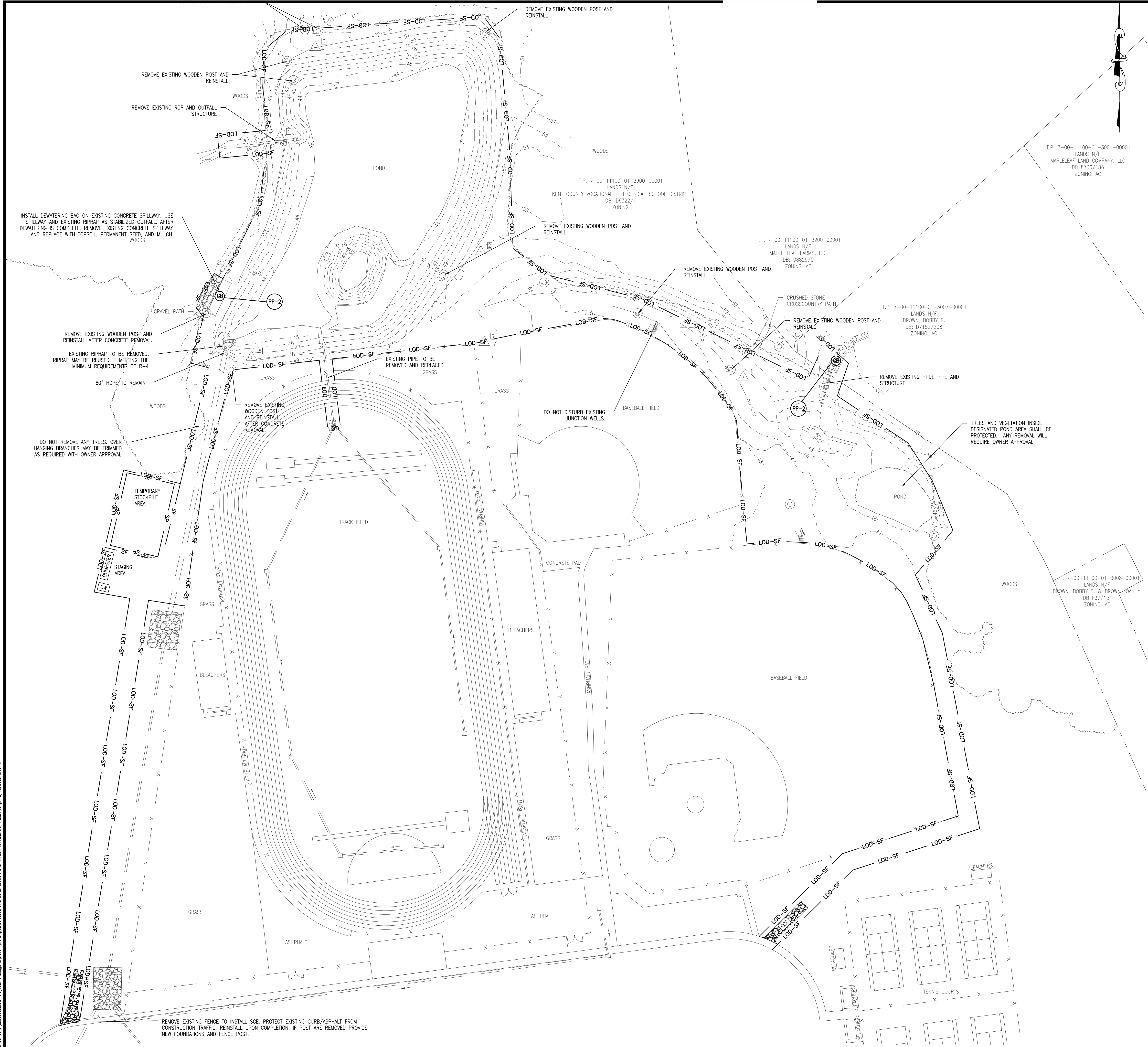
DATE:
DECEMBER 2025

SCALE:
N.T.S.

SHEET NO.:
C201

CONTRACT NO.:

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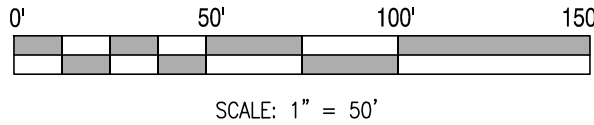


PRODUCT NOTES

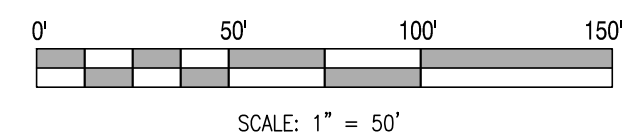
1. GEOTEXTILE SHALL BE INSTALLED UNDER THE STABILIZED CONSTRUCTION ENTRANCE AND RIPRAP, AND OUTLET PROTECTION SHALL MEET DNREC TYPE GS-1 SPECIFICATIONS. CONTRACTOR SHALL USE MIRAFI 600X OR AN APPROVED EQUAL.
2. SPRINKLING SHALL BE THE STABILIZATION MEASURE INITIATED IF DUST CONTROL BECOMES A PROBLEM.
3. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO MAINTAIN AND REPAIR ALL EROSION AND SEDIMENT CONTROL PRACTICES DURING CONSTRUCTION.
4. LOCATION OF THE DUMPSTER AND CONCRETE WASHOUT ARE SHOWN ON PLANS, IF THESE LOCATIONS MUST BE MOVED, THE NEW LOCATION SHALL BE APPROVED BY THE DNREC.
5. TEMPORARY SEED MIX #5 OR #6 SHALL BE USED FOR ALL TEMPORARILY STABILIZED AREAS. SEED MIX SPECIFICATIONS ARE PROVIDED ON THE EROSION AND SEDIMENT CONTROL DETAILS.
6. PERMANENT SEED MIX #9 SHALL BE USED FOR ALL PERMANENTLY STABILIZED AREAS. SEED MIX SPECIFICATIONS ARE PROVIDED ON THE EROSION AND SEDIMENT CONTROL DETAILS.
7. CHANNEL STABILIZATION MATTING SHALL BE SSM-11, NORTH AMERICAN GREEN S150BN OR APPROVED EQUAL. STABILIZATION MATTING SHALL BE INSTALLED PER THE EROSION AND SEDIMENT CONTROL DETAILS.

SITE NOTES

1. THE TOTAL SITE LOD IS 4.23 ACRES.
2. WOODEN POST THROUGHOUT THE WORK SITE ARE TRAIL MARKERS FOR THE CROSS COUNTY COURSE. ALL POST INSIDE THE LOD SHALL BE REMOVED AND STORED ON SITE BY THE CONTRACTOR TO REINSTALL AT THE END OF THE PROJECT. LOCATION OF THE WOODEN TRAIL MARKERS SHALL BE STAKED OUT BY THE OWNER PRIOR TO INSTALLATION.



REVISIONS:	DATE:	DESCRIPTION:	BY:
POLYTECH HIGH SCHOOL STORMWATER MANAGEMENT POND RETROFIT			
PRE CONSTRUCTION STORMWATER MANAGEMENT FACILITY			
SEAL:  CIVIL ENGINEER:			
 CENTURY ENGINEERING CONSULTING ENGINEERS, SURVEYORS 550 SOUTH BAY ROAD, DOVER, DELAWARE 19901			
CEI CONTRACT NO.: 25003885.001A			
DESIGNED BY: FRM			
DRAWN BY: KC			
CHECKED BY: AES			
DATE: DECEMBER 2025			
SCALE: 1" = 40'			
SHEET NO.: C202			
CONTRACT NO.:			



1. NOTIFY DNR IN WRITING AT LEAST FIVE (5) DAYS PRIOR TO THE START OF CONSTRUCTION. FAILURE TO DO SO CONSTITUTE A VIOLATION OF THE APPROVED SEDIMENT AND STORMWATER MANAGEMENT PLAN.
2. PRIOR TO ANY CLEARING, INSTALLATION OF SEDIMENT CONTROL MEASURES OR GRADING, A PRE-CONSTRUCTION MEETING MUST BE SCHEDULED AND CONDUCTED WITH THE AGENCY CONSTRUCTION SITE REVIEWER. THE LANDOWNER/DEVELOPER, AND CONTRACTOR ARE REQUIRED TO BE IN ATTENDANCE AT THE PRE-CONSTRUCTION MEETING. THE DESIGNER IS RECOMMENDED TO ATTEND.
3. THE CONTRACTOR SHALL AT ALL TIMES PROTECT AGAINST SEDIMENT OR DEBRIS LOADED RUNOFF OR WIND FROM THE CONSTRUCTION SITE. PERMANENT MONITORS SHOULD BE CHECKED DAILY AND ADJUSTED AND/OR REPAIRED TO FULLY CONTAIN AND CONTROL SEDIMENTATION ON THE SITE. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT HAS REACHED HALF OF THE EFFECTIVE CAPACITY OF THE CONTROL. IN ADDITION, THE CONTRACTOR MAY NEED TO REQUEST OR REPAIR MEASURES IN TIMES OF ADVERSE WEATHER CONDITIONS, OR AS DIRECTED BY THE AGENCY CONSTRUCTION SITE REVIEWER.
4. CLEAR AND GRUB AS REQUIRED TO INSTALL STABILIZED CONSTRUCTION ENTRANCE AND PERIMETER SILT FENCE.
5. PLACE SILT FENCE FOR STOCKPILE AREA AND COMPLETE CLEARING AND GRUBBING.
6. INSTALL DEWATERING OPERATION IN EXISTING FACILITIES AND DEWATER.
7. REMOVE EXISTING PIPES AND STRUCTURES.
8. INSTALL NEW OUTLET STRUCTURE OS-3 AND OUTFALL PIPE. INSTALL SUMMER DEWATERING DEVICE ON OUTLET STRUCTURE.
9. COMPLETE EXCAVATION AND INSTALL OUTLET STRUCTURE OS-2 AND OUTFALL PIPES.
10. INSTALL NEW OUTLET STRUCTURE OS-1, OUTFALL PIPE, AND COMPLETE EMBANKMENT. COMPLETE GRADING OF WET POND.
11. APPLY PERMANENT STABILIZATION TO ALL AREAS. ONCE ALL AREAS HAVE BEEN STABILIZED REMOVE DEWATERING EQUIPMENT.
12. EROSION AND SEDIMENT CONTROL DEVICES SHOULD BE REMOVED ONLY AFTER WORK IN AN AREA HAS BEEN COMPLETED AND STABILIZED, WITH WRITTEN APPROVAL FROM THE AGENCY CONSTRUCTION SITE REVIEWER.
13. REMOVE ALL EROSION AND SEDIMENT CONTROLS WITH WRITTEN APPROVAL FROM THE DNR/C.

DRAINAGE INLET SCHEDULE					
STRUCTURE	BOX	T.G. ELEV.	INVERT	NORTHING	EASTING
MH-1	34"x24"	47.42	45.34	391931.7515	619533.3366
OS-1	66"x30"	48.00	44.57	392114.7936	619164.2840
OS-2	34"x24"	49.00	42.75	391948.1258	619393.2939
OS-3	34"x24"	47.50	44.89	391830.7154	619722.8737

POLYTECH HIGH SCHOOL
STORMWATER MANAGEMENT POND RETROFIT
POST CONSTRUCTION STORMWATER MANAGEMENT FACILITY

CEI CONTRACT NO.: 25003885.001A

Standard Detail & Specifications
Mulching

1. Materials and Amounts

- a. *Straw* - Straw shall be unrotted small grain straw applied at the rate of 1-1/2 to 2 tons per acre, or 70 to 90 pounds (two bales) per 1,000 square feet. Mulch materials shall be relatively free of weeds and shall be free of noxious weeds such as; thistles, Johnsongrass, and quackgrass. Spread mulch uniformly by hand or mechanically. For uniform distribution of hand spread mulch, divide area into approximately 1,000 square feet sections and place 70-90 pounds (two bales) of mulch in each section.
- b. *Wood chips* - Apply at the rate of approximately 6 tons per acre or 275 pounds per 1,000 square feet when available and when feasible. These are particularly well suited for utility and road rights-of-way. If wood chips are used, increase the application rate of nitrogen fertilizer by 20 pounds of N per acre (200 pounds of 10-10-10 or 66 pounds of 30-0-0 per acre).
- c. *Hydraulically applied mulch* -The following conditions apply to hydraulically applied mulch:
- Definitions:
 - Wood fiber mulch shall consist of specially prepared wood that has been processed to a uniform state, is packaged for sale as a hydraulic mulch for use with hydraulic seeding equipment, and consists of a minimum of 70% virgin or recycled wood fiber combined with 30% paper fiber and additives.
 - Blended fiber mulch shall consist of any hydraulic mulch that contains greater than 30% paper fiber. The paper component must consist of specially prepared paper that has been processed to a uniform fibrous state and is packaged for sale as a hydraulic mulch for use with hydraulic seeding equipment.
 - A bonded fiber matrix (BFM) consists of long strand, specially prepared wood fibers that have been processed to a uniform state held together by a water resistant bonding agent. BFMs shall contain no paper (cellulose) mulch but may contain small percentages of synthetic fibers to enhance performance.
 - Refer to **Figure 3.4.5a** for conditions and limitations of use for each of the above categories of hydraulic mulch.
 - All components of the hydraulically applied mulches shall be pre-packaged by the manufacturer to assure material performance. Field mixing of the mulch components is acceptable, but must be done per manufacturers recommendations to ensure the proper results.
 - Hydraulic mulches shall be applied with a viable seed and at manufacturer's recommended rates. Increased rates may be necessary based on site conditions.
 - Hydraulically applied mulches and additives shall be mixed according to manufacturers recommendations.
 - Materials within this category shall only be used when hydraulically applied mulch has been specified for use on the approved Sediment and Stormwater Plan, or supplemental approval from the plan approval agency has been obtained in writing for a specific area.

Source:	Symbol:	Detail No.
Delaware ESC Handbook & Filtrex™ International		DE-ESC-3.4.5 Sheet 1 of 3 Effective July 2023

Standard Detail & Specifications
Mulching

- v. Application:
- Apply product to geotechnically stable slopes that have been designed and constructed to divert runoff away from the face of the slope.
 - Do not apply to saturated soils, or if precipitation is anticipated within 24-48 hours.
 - During the spring (March 1 to May 31) and fall (September 1 to November 30) seasons, hydraulic mulches may be applied in a one-step process where all components are mixed together in single-tank loads. It is recommended that the product be applied from opposing directions to achieve optimum soil coverage.
 - During the summer (June 1 to August 31) and winter (December 1 to February 28) seasons, the following two-step process is required:
Step One– Mix and apply seed and soil amendments with a small amount of mulch for visual metering.
Step Two – Mix and apply mulch at manufacturers recommended rates over freshly seeded surfaces. Apply from opposing directions to achieve optimum soil coverage.
 - Minimum curing temperature is 40°F (4° C). The best results and more rapid curing are achieved at temperatures exceeding 60°F (15° C). Curing times may be accelerated in high temperature, low humidity conditions on dry soils.
- vi. Recommended application rates are for informational purposes only. Conformance with this standard and specification shall be performance-based and requires **100% soil coverage**. Any areas with bare soil showing shall be top dressed until full coverage is achieved.
- d. *Compost blanket (CB)* - Loosely applied with a pneumatic blower so that a 1" compost blanket uniformly covers the **soil with 100% coverage**. This application can be used with seed to promote germination by applying the approved seed mix directly into the loosely blown compost. The compost blanket performs best on slopes less than 2:1 and requires no mulch anchoring.
2. **Anchoring mulch** - Mulch must be anchored immediately to minimize loss by wind or water. This may be done by one of the following methods, depending upon size of area, erosion hazard, and cost.
- Crimping* - A crimper is a tractor drawn implement designed to punch and anchor mulch into the top two (2) inches of soil. This practice affords maximum erosion control but is limited to flatter slopes where equipment can operate safely. On sloping land, crimping should be done on the contour whenever possible.
 - Tracking* - Tracking is the process of cutting mulch (usually straw) into the soil using a bulldozer or other equipment that runs on cleated tracks. Tracking is used primarily on slopes 3:1 or steeper and should be done up and down the slope with cleat marks running across the slope.
 - Liquid mulch binders* - Applications of liquid mulch binders should be heavier at edges, in valleys, and at crests of banks and other areas where the mulch will be moved by wind or water. All other areas should have a uniform application of binder. The use of synthetic binders is the preferred method of mulch binding and should be applied at the rates recommended by the manufacturer.
 - Paper fiber* - The fiber binder shall be applied at a net dry weight of 750 lbs/ac. The wood cellulose fiber shall be mixed with water, and the mixture shall contain a maximum of 50 lbs. of wood cellulose fiber per 100 gallons.
 - Nettings* - Biodegradable nettings may be used to secure straw mulch. Install and secure according to the manufacturer's recommendations. Photodegradable or synthetic nettings are not acceptable.

Source:	Symbol:	Detail No.
Delaware ESC Handbook & Filtrex™ International		DE-ESC-3.4.5 Sheet 2 of 3 Effective July 2023

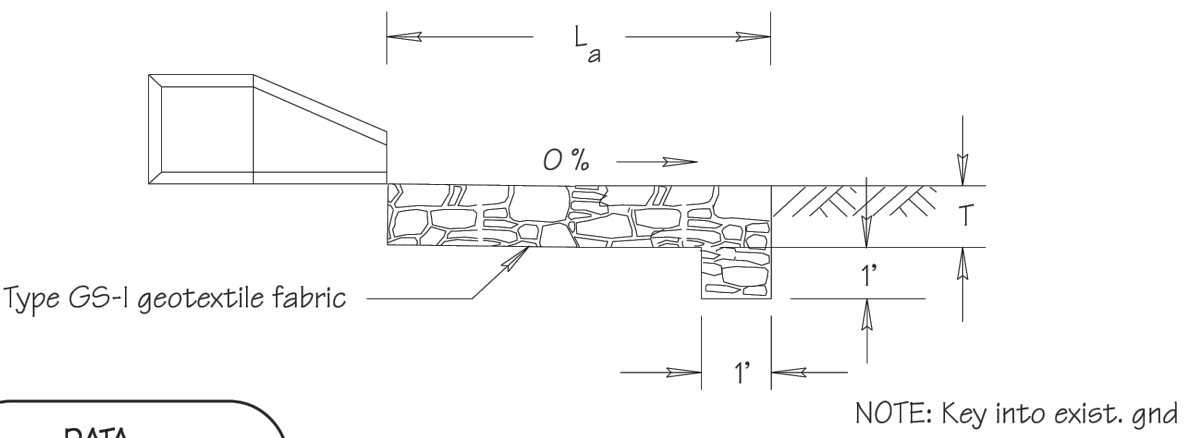
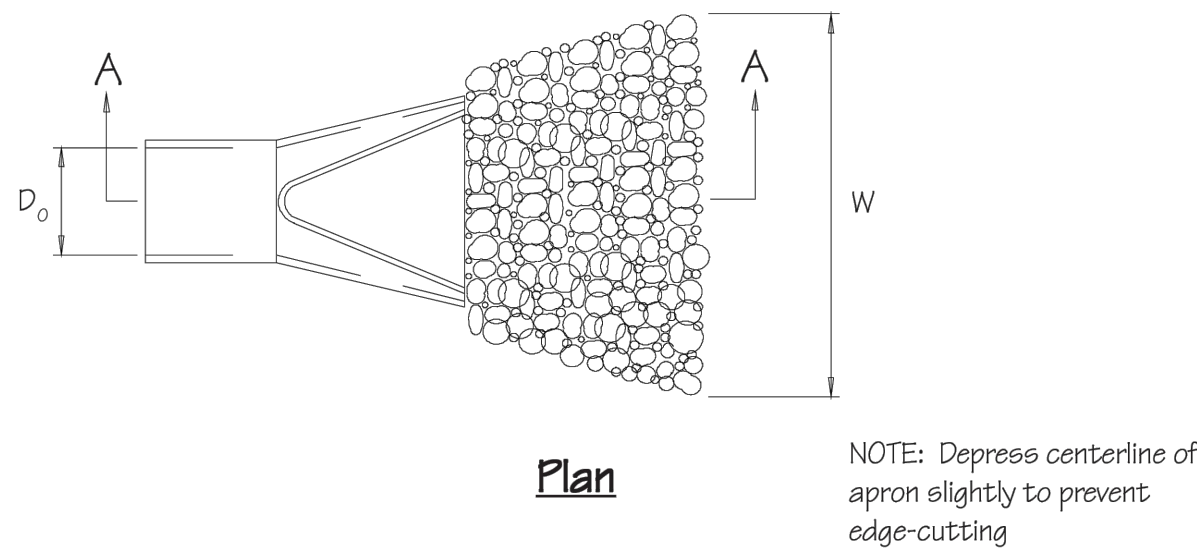
Standard Detail & Specifications
Mulching

MULCHING MATERIAL SELECTION GUIDE									
Percent Slope Less than 2%	Type of Mulch / App. Rate *	Dec. 1 to Feb. 28(29)	March 1 to May 31	June 1 to Aug. 31	Sept. 1 to Nov. 30	Oct. 1 to Dec. 31	Jan. 1 to Feb. 28(29)	March 1 to May 31	June 1 to Aug. 31
Less than 2%	Wood Fiber @ 2500 lbs/ac. min. BFM @ 3000 lbs/ac. min. Straw @ 2 Tons/ac. Min. 1" Compost Blanket (CB) 1" Compost Blanket (CB)	OK OK OK OK OK	OK OK OK OK OK	OK OK OK OK OK	OK OK OK OK OK	OK OK OK OK OK	OK OK OK OK OK	OK OK OK OK OK	OK OK OK OK OK
2% to 4.9%	Wood Fiber @ 2500 lbs/ac. min. BFM @ 3000 lbs/ac. min. Straw @ 2 Tons/ac. min. 1" Compost Blanket (CB) 1" Compost Blanket (CB)	OK OK OK OK OK	OK OK OK OK OK	OK OK OK OK OK	OK OK OK OK OK	OK OK OK OK OK	OK OK OK OK OK	OK OK OK OK OK	OK OK OK OK OK
5% to 10.9%	Wood Fiber @ 2500 lbs/ac. min. BFM @ 3000 lbs/ac. min. Straw @ 2 Tons/ac. min. 1" Compost Blanket (CB) 1" Compost Blanket (CB)	OK OK OK OK OK	OK OK OK OK OK	OK OK OK OK OK	OK OK OK OK OK	OK OK OK OK OK	OK OK OK OK OK	OK OK OK OK OK	OK OK OK OK OK
11% to 24.9%	Wood Fiber @ 2500-3000 lbs/ac. min. BFM @ 3500-4000 lbs/ac. min. Straw @ 2 Tons/ac. min. 1" Compost Blanket (CB) 1" Compost Blanket (CB)	OK OK OK OK OK	OK OK OK OK OK	OK OK OK OK OK	OK OK OK OK OK	OK OK OK OK OK	OK OK OK OK OK	OK OK OK OK OK	OK OK OK OK OK
25% to 33%	Wood Fiber @ 2500-3000 lbs/ac. min. BFM @ 3500-4000 lbs/ac. min. Straw @ 2 Tons/ac. min. 1" Compost Blanket (CB) 1" Compost Blanket (CB)	OK OK OK OK OK	OK OK OK OK OK	OK OK OK OK OK	OK OK OK OK OK	OK OK OK OK OK	OK OK OK OK OK	OK OK OK OK OK	OK OK OK OK OK
33% and up	Wood Fiber @ 2500 lbs/ac. min. BFM @ 3000 lbs/ac. min. Straw @ 2 Tons/ac. min. 1" Compost Blanket (CB) 1" Compost Blanket (CB)	OK OK OK OK OK	OK OK OK OK OK	OK OK OK OK OK	OK OK OK OK OK	OK OK OK OK OK	OK OK OK OK OK	OK OK OK OK OK	OK OK OK OK OK

* Note: Manufacturers Recommended Rates for informational purposes only. Performance standard requires 100% soil coverage.
** Note: Stabilization Mailing must be applied in accordance with Section 3.4.6 of the Delaware ESC Handbook.
*** Note: Straw mulch must be applied at a minimum of 2 tons per acre (2000 lbs/ac) for slopes 11% or steeper (this does not apply to liquid mulches).
OK = Acceptable to use during this time period.
xxx = Not acceptable to use during this time period.
All application rates are minimums

Source:	Symbol:	Detail No.
Delaware ESC Handbook & Filtrex™ International		DE-ESC-3.4.5 Sheet 3 of 3 Effective July 2023

Standard Detail & Specifications
Riprap Outlet Protection - 1



DATA Pipe diameter (D _o) Apron length (L _a) Apron width (W) Riprap size (R No.) Riprap thickness (T)		$T_w < 0.5 D_o$
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Source:	Symbol:	Detail No.
Adapted from MD Stds. & Specs. for ESC	ROP-1	DE-ESC-3.3.10.1 Sheet 1 of 2 Effective July 2023

Standard Detail & Specifications
Riprap Outlet Protection - 1

Construction Notes:

- The subgrade for the riprap shall be prepared to the required lines and grades as shown on the plan. Any fill required in the subgrade shall be compacted to a density of approximately that of the surrounding undisturbed material.
- The riprap shall conform to the grading limits as shown on the plan.
- Filter cloth shall be protected from punching, cutting or tearing. Any damage other than an occasional small hole shall be repaired by placing another piece of cloth over the damaged area. All connecting joints should overlap a minimum of 1 ft. If the damage is extensive, replace the entire filter cloth.
- Stone for the riprap or gabion outlets may be placed by equipment. Riprap shall be placed in a manner to prevent damage to the filter cloth. Hand placement will be required to the extent necessary to prevent damage to the conduits, structures, etc.

Source:	Symbol:	Detail No.
Adapted from MD Stds. & Specs. for ESC	ROP-1	DE-ESC-3.3.10.1 Sheet 2 of 2 Effective July 2023

REVISIONS:

DATE: DESCRIPTION:

POLYTECH HIGH SCHOOL
STORMWATER MANAGEMENT POND RETROFIT

CONSTRUCTION DETAIL

SEAL:



CIVIL ENGINEER:

CENTURY
ENGINEERING
CONSULTING ENGINEERS, SURVEYORS
550 SOUTH BAY ROAD
DOVER, DELAWARE 19901

CEI CONTRACT NO.: 25003885.001A

DESIGNED BY:
FRM

DRAWN BY:
KC

CHECKED BY:
AES

DATE:
DECEMBER 2025

SCALE:
1" = 30'

SHEET NO.:
C204

CONTRACT NO.:

Standard Detail & Specifications
Construction Site Pollution Prevention

Delaware NPDES Discharge Permit

General Permit for Discharge of Stormwater from Construction Activities

((Project Name))

((NOI Permit Number))

((Agency Plan Approval ID))

((Contact Name & Number for Additional Site Information))

((Contact Name & Number to Obtain Copy of Approved Plan))

If you observe indicators of stormwater pollutants in the discharge or in the receiving waterbody, call the DNREC Spill Notification 24 HR Hotline at

1-800-662-8802

Example Construction General Permit (CGP) Signage

- NOTES:
1. Minimum sign size 2' x 2'
 2. Minimum text size 1"
 3. Sign must be posted at a safe, publicly accessible location close to construction site
 4. Sign must be visible from the public road nearest the active construction site
 5. Signs posted within a DelDOT or other public road right-of-way (ROW) must be in accordance with all local and/or State requirements in regards to safety, location, orientation, etc.

Source:	Symbol:	Detail No.
Delaware ESC Handbook		DE-ESC-3.6.1 Sheet 1 of 4 Effective July 2023

Standard Detail & Specifications
Construction Site Pollution Prevention

Notes (cont.)

- Dispose of all trash in accordance with all applicable Delaware laws.
 - Littering is strictly prohibited. Trash cans should be placed at all lunch spots and recycle bins should be placed near the construction trailer.
 - If fertilizer bags can not be stored in a weather-proof location, they should be kept on a pallet and covered with plastic sheeting which is overlapped and anchored.
- 4. Equipment maintenance practices**
- If possible, equipment should be taken to off-site commercial facilities for washing and maintenance.
 - If performed on-site, wash vehicles with high-pressure water spray without detergents in an area contained by an impervious berm.
 - Use drip pans for all equipment maintenance.
 - Inspect equipment for leaks on a daily basis.
 - Direct washout from concrete trucks into a temporary pit for hardening and proper disposal.
 - Equip fuel nozzles with automatic shut-off valves.
 - Dispose of all used products such as oil, antifreeze, solvents and tires in accordance with manufacturers' recommendations and local, state and federal laws and regulations.
- 5. Spill prevention practices**
- Identify potential spill areas and contain them in covered areas with no connection to the storm drain system.
 - Post warning signs in hazardous material storage areas.
 - Perform preventive maintenance on all tanks, valves, pumps, pipes and other equipment as necessary.
 - Prioritize low or non-toxic substances for use.

Source:	Symbol:	Detail No.
Adapted from USEPA Pub. 840-B-92-002		DE-ESC-3.6.1 Sheet 3 of 4 Effective July 2023

Standard Detail & Specifications
Construction Site Pollution Prevention

Notes (cont.)

- Prominently post contact information for reporting spills through the DNREC 24-Hour Toll Free Number.
- 6. Education**
- Include Best Management Practices (BMPs) for construction site pollution control as part of regular progress meetings.
 - Information regarding waste management, equipment maintenance and spill prevention should be prominently posted in the construction trailer.

CONTACT INFORMATION

DNREC 24-Hour Toll Free Number 800-662-8802
DNREC Solid & Hazardous Waste Management Section 302-739-9403

Source:	Symbol:	Detail No.
Adapted from USEPA Pub. 840-B-92-002		DE-ESC-3.6.1 Sheet 4 of 4 Effective July 2023

Standard Detail & Specifications
Topsoiling

Construction Notes:

- 1. Site Preparation** (Where Topsoil is to be added)

Note: When topsoiling, maintain needed erosion and sediment control practices such as diversions, grade stabilization structures, berms, dikes, waterways and sediment basins.

- Grading - Grades on the areas to be topsoiled which have been previously established shall be maintained.
- Liming - Where the topsoil is either highly acid or composed of heavy clays, ground limestone shall be spread at the rate of 4-8 tons/acre (200-400 pounds per 1,000 square feet). Lime shall be distributed uniformly over designated areas and worked into the soil in conjunction with tillage operations as described in the following procedures.
- Tilling - After the areas to be topsoiled have been brought to grade, and immediately prior to dumping and spreading the topsoil, the subgrade shall be loosened by discing or by scarifying to a depth of a least 3 inches to permit bonding of the topsoil to the subsoil. Pack by passing a bulldozer up and down over the entire surface area of the slope to create horizontal erosion check slots to prevent topsoil from sliding down the slope.

- 2. Topsoil Material and Application**

Note:Topsoil salvaged from the existing site may often be used but it should meet the same standards as set forth in these specifications. The depth of topsoil to be salvaged shall be no more than the depth described as a representative profile for that particular soil type as described in the soil survey published by USDA-SCS in cooperation with Delaware Agricultural Experimental Station.

Source:	Symbol:	Detail No.
USDA - NRCS		DE-ESC-3.4.1 Sheet 1 of 2 Effective July 2023

Standard Detail & Specifications
Topsoiling

Construction Notes (cont.)

- Materials - Topsoil shall be a loam, sandy loam, clay loam, silt loam, sandy clay loam, loamy sand or other soil as approved by an agronomist or soil scientist. It shall not have a mixture of contrasting textured subsoil and contain no more than 5 percent by volume of cinders, stones, slag, coarse fragment, gravel, sticks, roots, trash or other extraneous materials larger than 1-1/2 inches in diameter. Topsoil must be free of plants or plant parts of bermudagrass, quackgrass, Johnsongrass, nutsedge, poison ivy, thistles, or others as specified. All topsoil shall be tested by a reputable laboratory for organic matter content, pH and soluble salts. A pH of 6.0 to 7.5 and an organic content of not less than 1.5 percent by weight is required. If pH value is less than 6.0 lime shall be applied and incorporated with the topsoil to adjust the pH to 6.5 or higher. Topsoil containing soluble salts greater than 500 parts per million shall not be used.

Note: No sod or seed shall be placed on soil which has been treated with soil sterilant or chemicals used for weed control until sufficient time has elapsed to permit dissipation of toxic materials.

- Grading - The topsoil shall be uniformly distributed and compacted to a minimum of four (4) inches. Spreading shall be performed in such a manner that sodding or seeding can proceed with a minimum of additional soil preparation and tillage. Any irregularities in the surface resulting from topsoiling or other operations shall be corrected in order to prevent the formation of depressions or water pockets. Topsoil shall not be placed while in a frozen or muddy condition, when the subgrade is excessively wet, or in a condition that may otherwise be detrimental to proper grading and seedbed preparation.

Note:Topsoil substitutes or amendments as approved by a qualified agronomist or soil scientist, may be used in lieu of natural topsoil. Compost material used to improve the percentage of organic matter shall be provided by a certified supplier.

Compost amendments that are intended to meet specific post-construction stormwater management goals shall further meet the requirements of **Appendix 3.06.2 Post Construction Stormwater Management BMP Standards and Specifications, Section 14.0 Soil Amendments.**

Source:	Symbol:	Detail No.
USDA - NRCS		DE-ESC-3.4.1 Sheet 2 of 2 Effective July 2023

REVISIONS:

DATE: DESCRIPTION:

POLYTECH HIGH SCHOOL
STORMWATER MANAGEMENT POND RETROFIT

CONSTRUCTION DETAIL

SEAL:



CIVIL ENGINEER:

CENTURY
ENGINEERING
CONSULTING ENGINEERS, SURVEYORS
550 SOUTH BAY ROAD,
DOVER, DELAWARE 19901

CEI CONTRACT NO.: 25003885.001A

DESIGNED BY:
FRM

DRAWN BY:
KC

CHECKED BY:
AES

DATE:
DECEMBER 2025

SCALE:
1" = 30'

SHEET NO.:
C205

CONTRACT NO.:

Standard Detail & Specifications
Vegetative Stabilization

TEMPORARY SEEDING BY RATES, DEPTHS AND DATES												
Mix #	Species ¹	Seeding Rate	Optimum Seeding Dates ¹							Planting Depth ³		
			O = Optimum Planting Period; A = Acceptable Planting Period									
	Certified Seed	lb/Ac ⁴	lb/1000 sq. ft.	Coastal Plain			Piedmont		All			
				2/1-4/30	5/1-8/14	8/15-10/31	3/1-4/30	5/1-7/31	8/1-10/31			
1	Bentley	125	O	X	O	O	A	O	1-2 inches			
2	Cats	150	O	X	X	O	A	A	2-3 inches			
3	Rye	125	O	A	O	O	A	O	1-2 inches			
4	Perennial Ryegrass	125	O	A	O	O	A	O	2-3 inches			
5	Annual Ryegrass	125	O	A	O	O	A	O	0.5 inches			
6	Winter Wheat	125	O	X	O	O	A	O	1-2 inches			
7	Exotic Mixture	30-60 lbs	O	X	O	O	A	O	0.5 inches			
8	Perennial Ryegrass	25-50 lbs	O	X	O	O	A	O	0.5 inches			

- Winter seeding requires 3 tons per acre of straw mulch for proper stabilization.
- May be planted throughout summer if soil moisture is adequate or seeded area can be irrigated.
- Applicable on slopes 3:1 or less.
- Use varieties currently recommended for Delaware. Contact a County Extension Office for information.
- Warm season grasses such as Millet may be used between 5/1 and 9/1 if desired. Seed at 3-5 lbs. per acre. Good on low fertility and acid areas. Seed after frost through summer at a depth of 0.5".

NOTE: Alternative seed mixes may be used with prior approval from the Department or Delegated Agency.

Source:	Symbol:	Detail No.
Delaware ESC Handbook		DE-ESC-3.4.3 Sheet 1 of 4 Effective July 2023

Standard Detail & Specifications
Vegetative Stabilization

PERMANENT SEEDING AND SEEDING DATES										
Seeding Mixtures		Seeding Rate ¹	Optimum Seeding Dates ²						Remarks	
			O = Optimum Planting Period A = Acceptable Planting Period							
Mix No.	Certified Seed ³		Coastal Plain			Piedmont			All ²	
	Well Drained Soils	lb/ac	1b/1000 sq ft	2/1-4/30	5/1-8/14	8/15-10/31	3/1-4/30	5/1-7/31	8/1-10/31	
1	Tall Fescue	150	3.5	O	X	O	O	A	O	Good seedbed before the frost. Adequate soil moisture for germinating seeds.
2	Perennial Ryegrass	150	3.5	O	X	O	O	A	O	Good seedbed before the frost. Adequate soil moisture and proper temperature for germinating seeds.
3	Perennial Ryegrass	150	3.5	O	X	O	O	A	O	Good seedbed before the frost. Adequate soil moisture and proper temperature for germinating seeds.
4	Perennial Ryegrass	150	3.5	O	X	O	O	A	O	Good seedbed before the frost. Adequate soil moisture and proper temperature for germinating seeds.
5	Perennial Ryegrass	150	3.5	O	X	O	O	A	O	Good seedbed before the frost. Adequate soil moisture and proper temperature for germinating seeds.
6	Perennial Ryegrass	150	3.5	O	X	O	O	A	O	Good seedbed before the frost. Adequate soil moisture and proper temperature for germinating seeds.
7	Tall Fescue	150	3.5	O	X	O	O	A	O	Good seedbed before the frost. Adequate soil moisture and proper temperature for germinating seeds.
8	Perennial Ryegrass	150	3.5	O	X	O	O	A	O	Good seedbed before the frost. Adequate soil moisture and proper temperature for germinating seeds.
9	Perennial Ryegrass	150	3.5	O	X	O	O	A	O	Good seedbed before the frost. Adequate soil moisture and proper temperature for germinating seeds.
10	Perennial Ryegrass	150	3.5	O	X	O	O	A	O	Good seedbed before the frost. Adequate soil moisture and proper temperature for germinating seeds.
11	Perennial Ryegrass	150	3.5	O	X	O	O	A	O	Good seedbed before the frost. Adequate soil moisture and proper temperature for germinating seeds.
12	Perennial Ryegrass	150	3.5	O	X	O	O	A	O	Good seedbed before the frost. Adequate soil moisture and proper temperature for germinating seeds.
13	Perennial Ryegrass	150	3.5	O	X	O	O	A	O	Good seedbed before the frost. Adequate soil moisture and proper temperature for germinating seeds.
14	Perennial Ryegrass	150	3.5	O	X	O	O	A	O	Good seedbed before the frost. Adequate soil moisture and proper temperature for germinating seeds.
15	Perennial Ryegrass	150	3.5	O	X	O	O	A	O	Good seedbed before the frost. Adequate soil moisture and proper temperature for germinating seeds.
16	Perennial Ryegrass	150	3.5	O	X	O	O	A	O	Good seedbed before the frost. Adequate soil moisture and proper temperature for germinating seeds.
17	Perennial Ryegrass	150	3.5	O	X	O	O	A	O	Good seedbed before the frost. Adequate soil moisture and proper temperature for germinating seeds.
18	Perennial Ryegrass	150	3.5	O	X	O	O	A	O	Good seedbed before the frost. Adequate soil moisture and proper temperature for germinating seeds.
19	Perennial Ryegrass	150	3.5	O	X	O	O	A	O	Good seedbed before the frost. Adequate soil moisture and proper temperature for germinating seeds.
20	Perennial Ryegrass	150	3.5	O	X	O	O	A	O	Good seedbed before the frost. Adequate soil moisture and proper temperature for germinating seeds.
21	Perennial Ryegrass	150	3.5	O	X	O	O	A	O	Good seedbed before the frost. Adequate soil moisture and proper temperature for germinating seeds.
22	Perennial Ryegrass	150	3.5	O	X	O	O	A	O	Good seedbed before the frost. Adequate soil moisture and proper temperature for germinating seeds.
23	Perennial Ryegrass	150	3.5	O	X	O	O	A	O	Good seedbed before the frost. Adequate soil moisture and proper temperature for germinating seeds.
24	Perennial Ryegrass	150	3.5	O	X	O	O	A	O	Good seedbed before the frost. Adequate soil moisture and proper temperature for germinating seeds.
25	Perennial Ryegrass	150	3.5	O	X	O	O	A	O	Good seedbed before the frost. Adequate soil moisture and proper temperature for germinating seeds.
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Diagram illustrating the components of a Geotextile dewatering bag system. The bag is rectangular, with dimensions labeled as Width and Length. The bag is connected to a pump discharge hose via high strength strapping. The flow direction is indicated by an arrow pointing into the bag, labeled Flow.

Profile

Detail No.
DE-ESC-3.2.1.2
Sheet 1 of 2
Effective July 2023

Diagram illustrating a vertical pipe structure for water level measurement, showing a central pipe with perforations, a hook for removal, and a weight at the bottom.

- Hook and chain for removal
- 24"-36" corrugated metal or plastic pipe with 1" dia. perforations at 6" O.C.
- Water level
- 3' min.
- DE #57 stone
- 36"-48" corrugated metal or plastic pipe with 1" dia. perf. at 6" O.C.
- 8' min.
- Weight as necessary to prevent flotation of inner pipe

Detail No.
DE-ESC-3.2.2.2
Sheet 1 of 2
Effective July 2023

Detail No.
DE-ESC-3.2.2.2
Sheet 2 of 2
Effective July 2023

Detail No.
DE-ESC-3.2.1.2
Sheet 2 of 2
Effective July 2023

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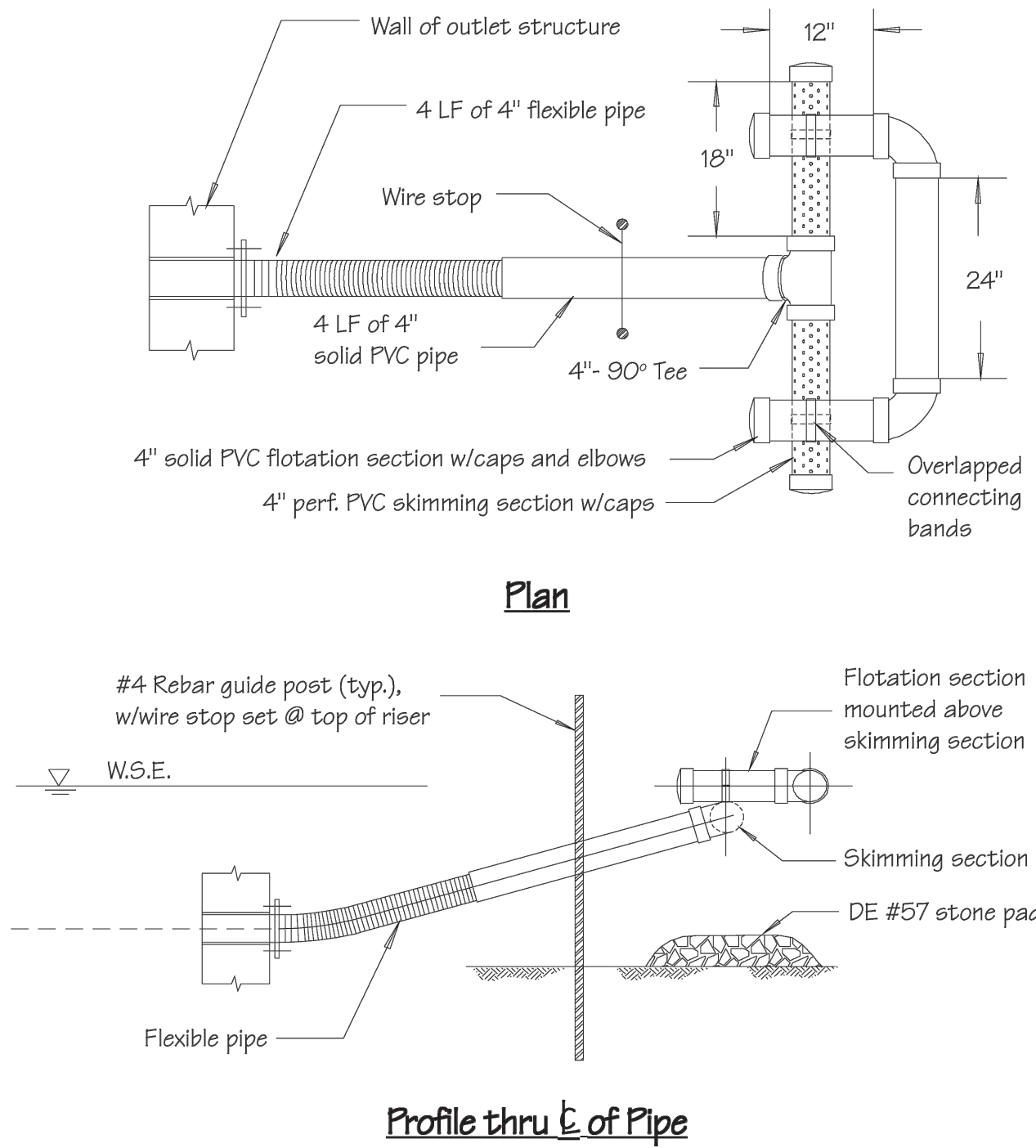
Detail No.
DE-ESC-3.1.7
Sheet 1 of 2
Effective July 2023

Detail No.
DE-ESC-3.1.7
Sheet 2 of 2
Effective July 2023

CONSTRUCTION DETAIL

CONTRACT NO.:

Standard Detail & Specifications
Skimmer Dewatering Device



Source: Adapted from drawing by Vandemark & Lynch, Inc.	Symbol: SDD	Detail No. DE-ESC-3.2.3.1 Sheet 1 of 2 Effective July 2023
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Standard Detail & Specifications
Skimmer Dewatering Device

Construction Notes:

- Pipe flotation section shall be solvent welded to ensure an airtight assembly. Contractor to conduct a test to check for leaks prior to installation.
- Skimmer section shall have (12) rows of 1/2" dia. holes, 1-1/4" on center. If additional filtration is necessary, the filtering media shall consist of a Type GD-II geotextile fabric wrapped around the perforated portion of the skimmer and attached with plastic snap ties, bands, etc.
- Flexible pipe shall be inserted into solid pipe and fastened with (2) #8 wood screws.
- At a minimum, the structure shall be inspected after each rain and repairs made as needed. If vandalism is a problem, more frequent inspection may be necessary.
- Construction operations shall be carried out in such a manner that erosion and water pollution are minimized.
- The structure shall only be removed when the contributing drainage area has been properly stabilized.

Materials:

- Solid pipe - 4" Sched. 40 PVC
- Perforated pipe - 4" Sched. 40 PVC
- 90° Tee (1 ea.) - 4" Sched. 40 PVC
- 90° Elbow (2 ea.) - 4" Sched. 40 PVC
- Cap (4 ea.) - 4" Sched. 40 PVC, solid
- Flexible pipe - 4" corrugated plastic tubing (non-perforated)

Source: Delaware ESC Handbook	Symbol: SDD	Detail No. DE-ESC-3.2.3.1 Sheet 2 of 2 Effective July 2023
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REVISIONS:

DATE: DESCRIPTION: BY:

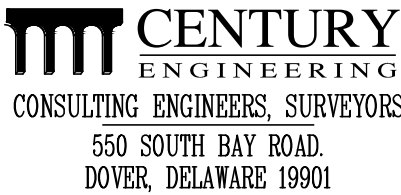
POLYTECH HIGH SCHOOL
STORMWATER MANAGEMENT POND RETROFIT

CONSTRUCTION DETAIL

SEAL:



CIVIL ENGINEER:



CEI CONTRACT NO.: 25003885.001A

DESIGNED BY:
FRM

DRAWN BY:
KC

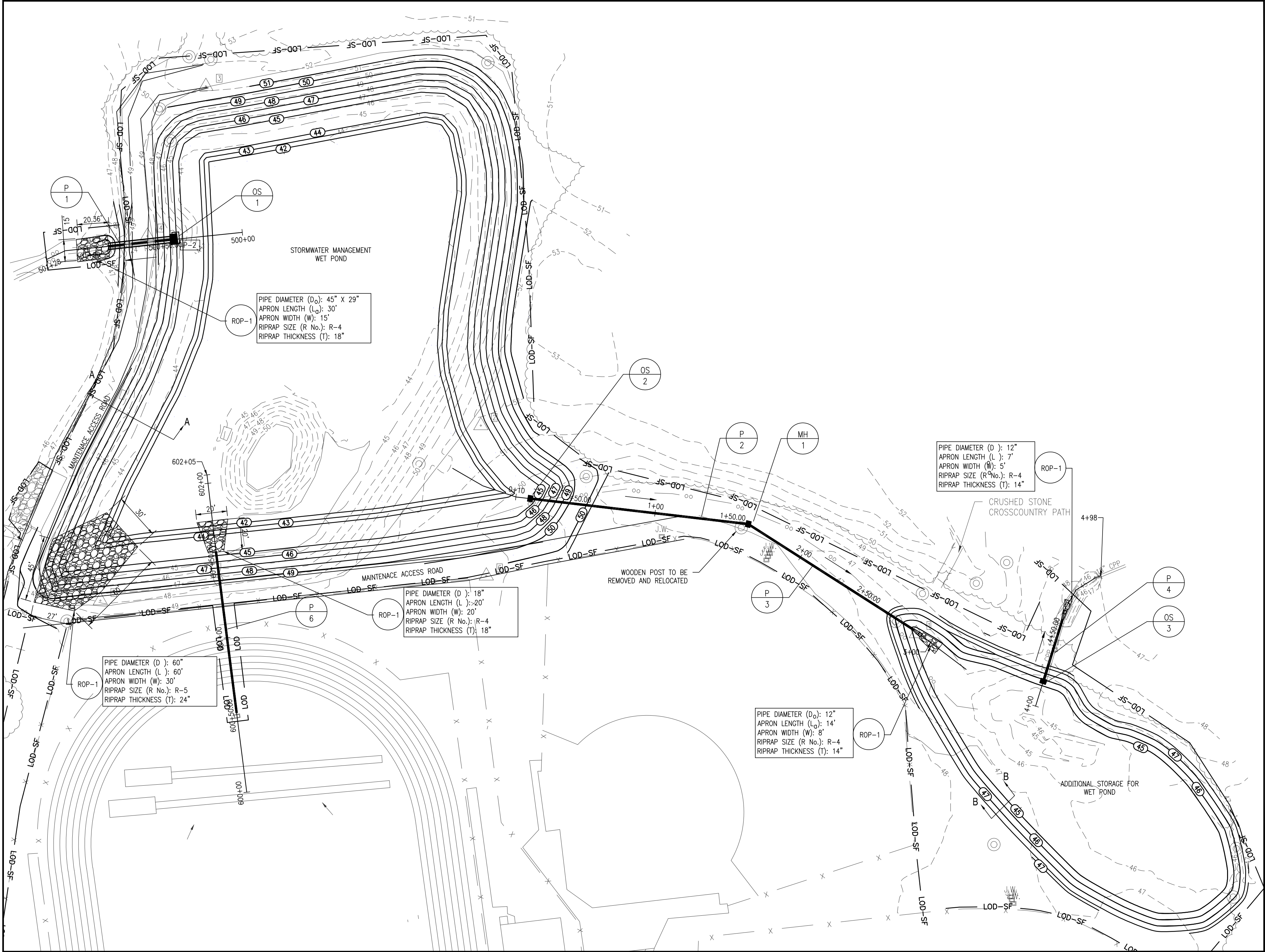
CHECKED BY:
AES

DATE:
DECEMBER 2025

SCALE:
1" = 30'

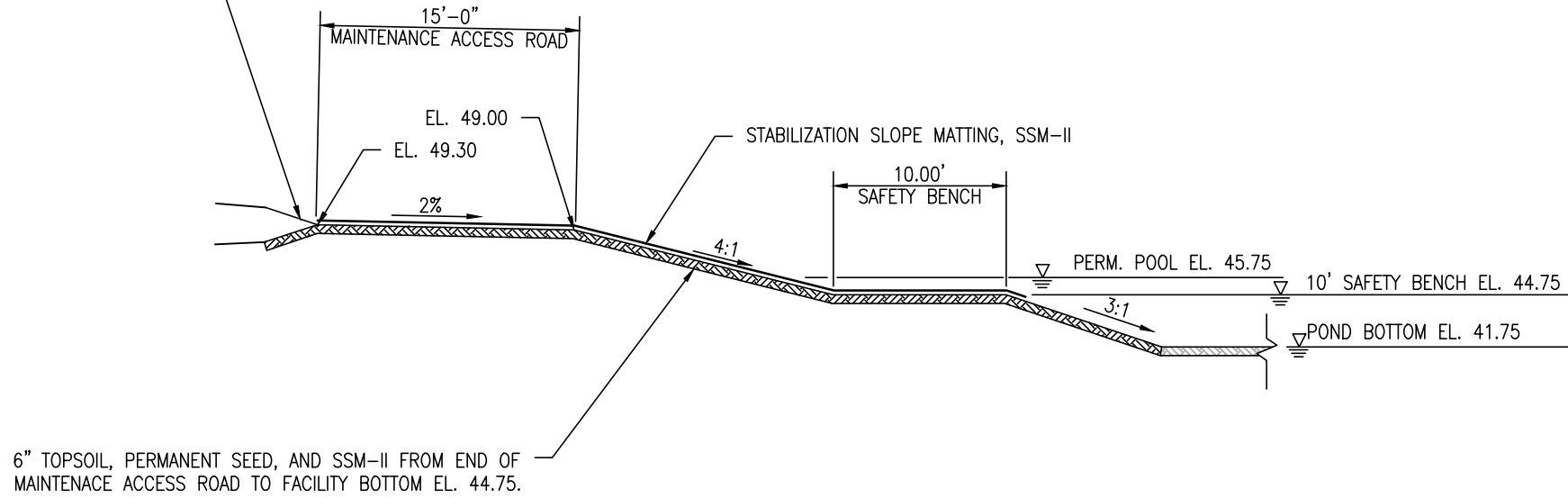
SHEET NO.:
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CONTRACT NO.:



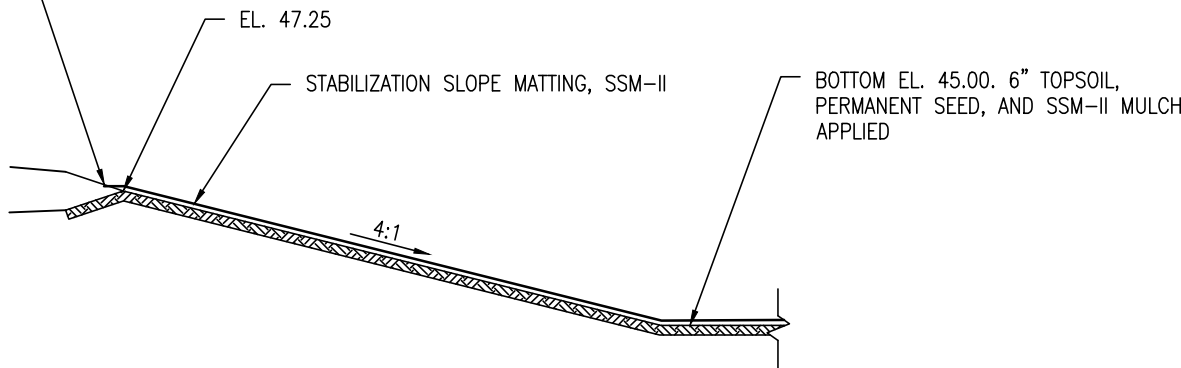
STORMWATER FACILITY PLAN VIEW
SCALE: 1" = 40'

MATCH EXISTING GRADE AT A MAXIMUM SLOPE OF 3:1 IN CUT OR FILL. SLOPE TO HAVE 6" TOPSOIL, PERMANENT SEED, AND SSM-II MULCHING.



STORMWATER FACILITY TYPICAL SECTION A-A
SCALE: NOT TO SCALE

MATCH EXISTING GRADE AT A MAXIMUM SLOPE OF 10:1 IN CUT OR FILL. SLOPE TO HAVE 6" TOPSOIL, PERMANENT SEED, AND SSM-II MULCHING.



STORMWATER FACILITY TYPICAL SECTION B-B
SCALE: NOT TO SCALE

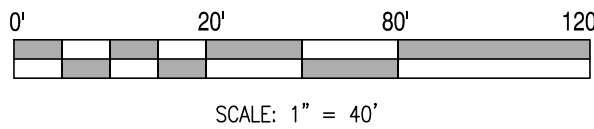
WET POND CONSTRUCTION SEQUENCE

1. NOTIFY THE PERSON RESPONSIBLE FOR STORMWATER SYSTEM CONSTRUCTION REVIEW AT LEAST 3 DAYS PRIOR TO THE START OF THE STORMWATER SYSTEM CONSTRUCTION. A PRE-CONSTRUCTION MEETING SHALL BE HELD ON SITE PRIOR TO FACILITY CONSTRUCTION.
2. INSTALL SITE PERIMETER CONTROLS PER SITE SEQUENCE. SET UP DEWATERING PUMPING PIT AND DEWATERING BAG FOR THE ADDITIONAL STORAGE AREA.
3. REMOVE EXISTING 12" HDPE PIPE AND COMPONENTS AND INSTALL OS-3 AND OUTFALL PIPE. INSTALL SKIMMER DEWATERING DEVICE.
4. EXCAVATE STORAGE AREA TO LINES AND GRADES SHOWN. APPLY PERMANENT STABILIZATION TO SIDE SLOPES AND BOTTOM.
5. INSTALL PUMPING PIT AND DEWATERING BAG IN WET POND AND BEGIN DEWATERING WET POND.
6. REMOVE EXISTING OUTLET STRUCTURE AND PIPE AND INSTALL NEW OS-1. BLOCK RUNOFF FROM DISCHARGING AND MAINTAIN DEWATERING OPERATION WHILE EXCAVATION OF FACILITY IS ON-GOING.
7. COMPLETE EXCAVATION OF WET POND EXPANSION.
8. INSTALL OS-2 AND PIPE NETWORK CONNECTING THE WET POND TO THE STORAGE AREA. INSTALL SKIMMER DEWATERING DEVICE ON OS-2.
9. PERFORM FINAL GRADING AND AS-BUILT SURVEY. REMOVE ANY ACCUMULATED SEDIMENT FROM THE WET POND, STORAGE AREA, AND INSIDE PIPES AND CATCH BASINS.
10. PERMANENTLY STABILIZE ALL DISTURBED AREAS AND ALLOW DISCHARGE TO FLOW THROUGH OS-1.
11. CONDUCT A FINAL CONSTRUCTION REVIEW INCLUDING DEVELOPMENT OF A PUNCH LIST FOR FACILITY ACCEPTANCE.
12. UPON FACILITY COMPLETION, THE OWNER SHALL SUBMIT POST CONSTRUCTION VERIFICATION DOCUMENTS THAT INCLUDE AS-BUILT DRAWINGS OF THE FACILITY SIGNED AND SEALED BY A PROFESSIONAL DELAWARE ENGINEER.

OPERATION AND MAINTENANCE NOTES

1. THE DNREC RESERVES THE RIGHT TO ENTER PRIVATE PROPERTY FOR PURPOSES OF PERIODIC SITE REVIEWS.
2. THE DNREC SHALL BE NOTIFIED WITHIN 30 BUSINESS DAYS IF THE PROPERTY OWNERSHIP IS TRANSFERRED TO A NEW PERSON OR ENTITY.
3. THE DNREC MAY SEEK ENFORCEMENT ACTION AGAINST ANY OWNER DEEMED NEGLIGENT IN FULFILLING THE OPERATION AND MAINTENANCE REQUIREMENTS OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS.
4. THE DNREC SHALL BE CONTACTED IF A CONCERN ARISES REGARDING A STORMWATER MANAGEMENT FACILITY, BEFORE ANY NON-ROUTINE MAINTENANCE, OR IF MODIFICATIONS TO THE FACILITY ARE DESIRED.
5. ANY DESIGN MODIFICATIONS MADE TO THE STORMWATER SYSTEM SHALL REQUIRE THE CREATION OF A NEW POST CONSTRUCTION STORMWATER MANAGEMENT PLAN AND/OR OPERATIONS AND MAINTENANCE PLAN, WITH APPROVAL OF THE PLAN(S) BY THE DNREC.
6. FOR ALL STORMWATER EASEMENT AREAS (I.E., ACCESS, MAINTENANCE, OR OFFSITE) AND THE MINIMUM 15-FOOT WIDE ACCESSWAYS TO ALL STORMWATER FACILITIES AND THEIR STRUCTURAL COMPONENTS, REGULAR MOWING SHALL BE PERFORMED TO KEEP THE GRASS 6" OR LESS; NO TREES OR SHRUBS SHALL BE PLANTED, AND ANY FOUND GROWING SHALL BE REMOVED; AND NO PERMANENT STRUCTURES, SUCH AS FENCES OR SHEDS, SHALL BE LOCATED WITHIN THE EASEMENT OR ACCESSWAY.
7. TREES SHALL NOT BE PLANTED, AND SHALL BE REMOVED IF FOUND GROWING, ON AND WITHIN 15 FEET OF ALL POND EMBANKMENTS, ON POND SLOPES OR SAFETY BENCHES, AND WITHIN 10 FEET OF STRUCTURAL COMPONENTS, SUCH AS PIPE INLETS.
8. WHEN THE FACILITY IS EXCAVATED TO REMOVE ACCUMULATED SEDIMENT, THE DISPOSAL AREA SHALL BE PERMANENTLY STABILIZED SO THAT IT DOES NOT RECREATE AN EROSION PROBLEM. ANY MATERIAL TAKEN OFF-SITE SHALL STILL BE UTILIZED OR DISPOSED OF IN AN APPROVED DNREC MANNER.
9. BEFORE ANY EARTHWORK OR EXCAVATION TAKES PLACE, THE CONTRACTOR SHALL CALL MISS UTILITY AT 811 OR 1.800.282.8555 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION, TO HAVE ALL EXISTING UTILITIES MARKED ONSITE.
10. THE OWNER WILL BE RESPONSIBLE FOR STORMWATER FACILITY MAINTENANCE.

MAINTENANCE ACTIVITY	SCHEDULE
- REPLACE TOPSOIL ON SIDE SLOPES AND REMOVE ACCUMULATED SEDIMENTS AND/OR ORGANIC DEBRIS FROM FACILITY BOTTOM. - MOW VEGETATED AREAS AS NECESSARY AND REMOVE CLIPPINGS.	AS NEEDED
- ENSURE THAT THE CONTRIBUTING DRAINAGE AREA, INLETS, AND FACILITY SURFACE ARE CLEAR OF DEBRIS. - ENSURE THAT THE CONTRIBUTING DRAINAGE AREA IS STABILIZED. PERFORM SPOT RE-SEEDING IF WHERE NEEDED. - REMOVE SEDIMENT AND OIL/GREASE FROM INLETS AND OUTLET STRUCTURES. - REPAIR UNDERCUT AND ERODED AREAS AT INFLOW AND OUTFLOW STRUCTURES.	QUARTERLY
- INSPECT RIPRAP EROSION PROTECTION FOR SEDIMENT ACCUMULATION AND DISPLACEMENT. - REMOVE TREES THAT START TO GROW IN THE VICINITY OF THE MAINTENANCE ACCESS ROAD, TOP OF BANK, AND SIDE SLOPES THAT MAY DROP LEAF LITTER, FRUITS, AND OTHER VEGETATIVE MATERIALS THAT COULD CAUSE DAMAGE.	SEMI ANNUAL INSPECTION
CLEAN OUT ACCUMULATED SEDIMENTS FROM THE POND.	ANNUALLY



REVISIONS:

DATE: BY:

DESCRIPTION:

POLYTECH HIGH SCHOOL
STORMWATER MANAGEMENT POND RETROFIT
POST CONSTRUCTION STORMWATER MANAGEMENT
FACILITY

SEAL:



CIVIL ENGINEER:

CENTURY
ENGINEERING
CONSULTING ENGINEERS, SURVEYORS
550 SOUTH BAY ROAD
DOVER, DELAWARE 19901

CEI CONTRACT NO.: 25003885.001A

DESIGNED BY:

FRM

DRAWN BY:

KC

CHECKED BY:

AES

DATE:

DECEMBER 2025

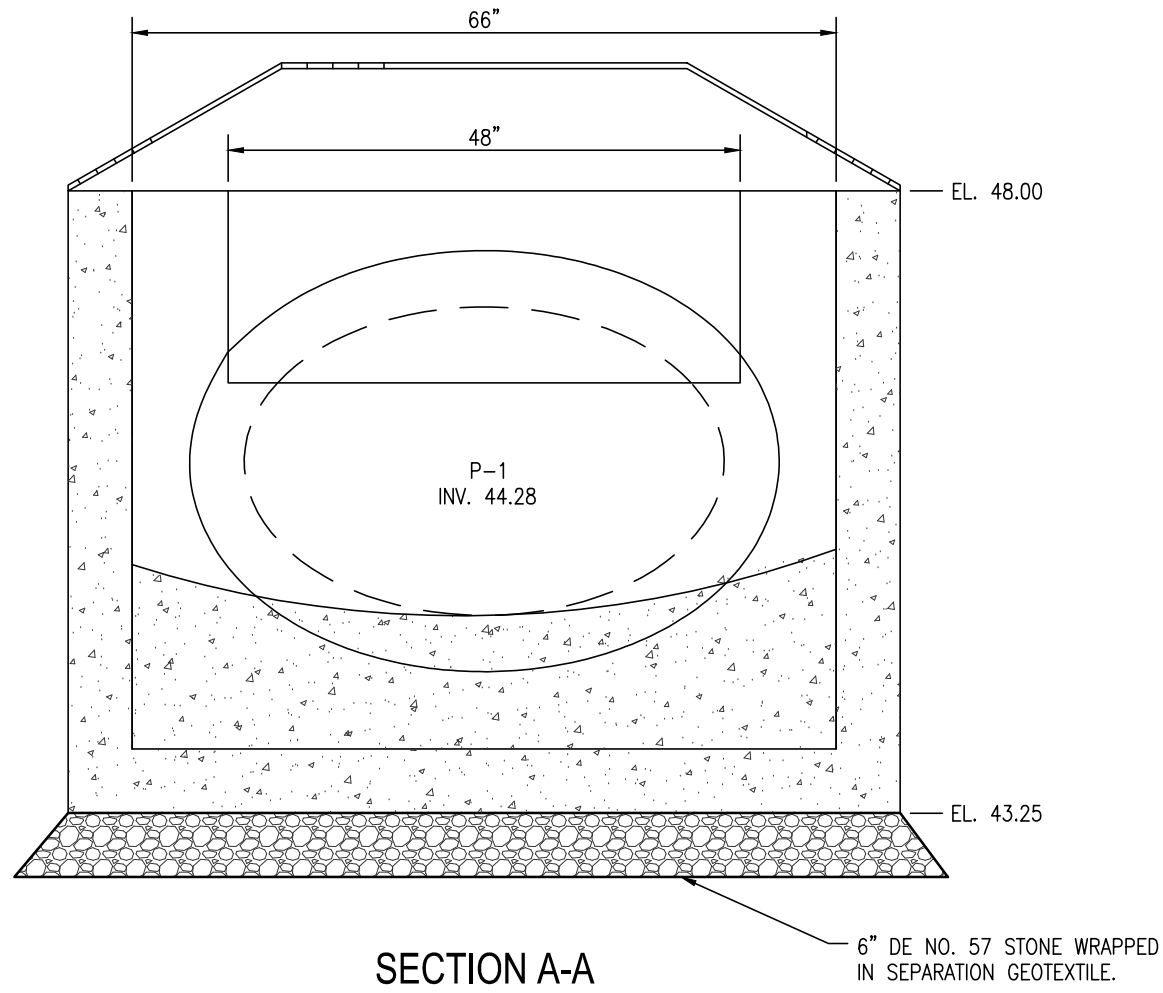
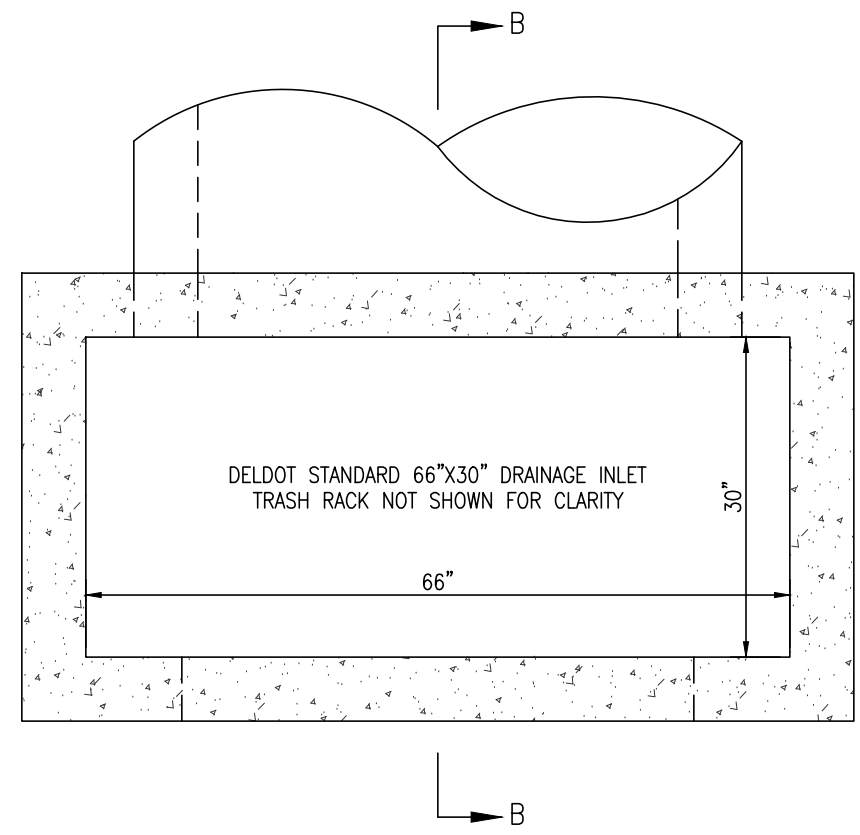
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1" = 40'

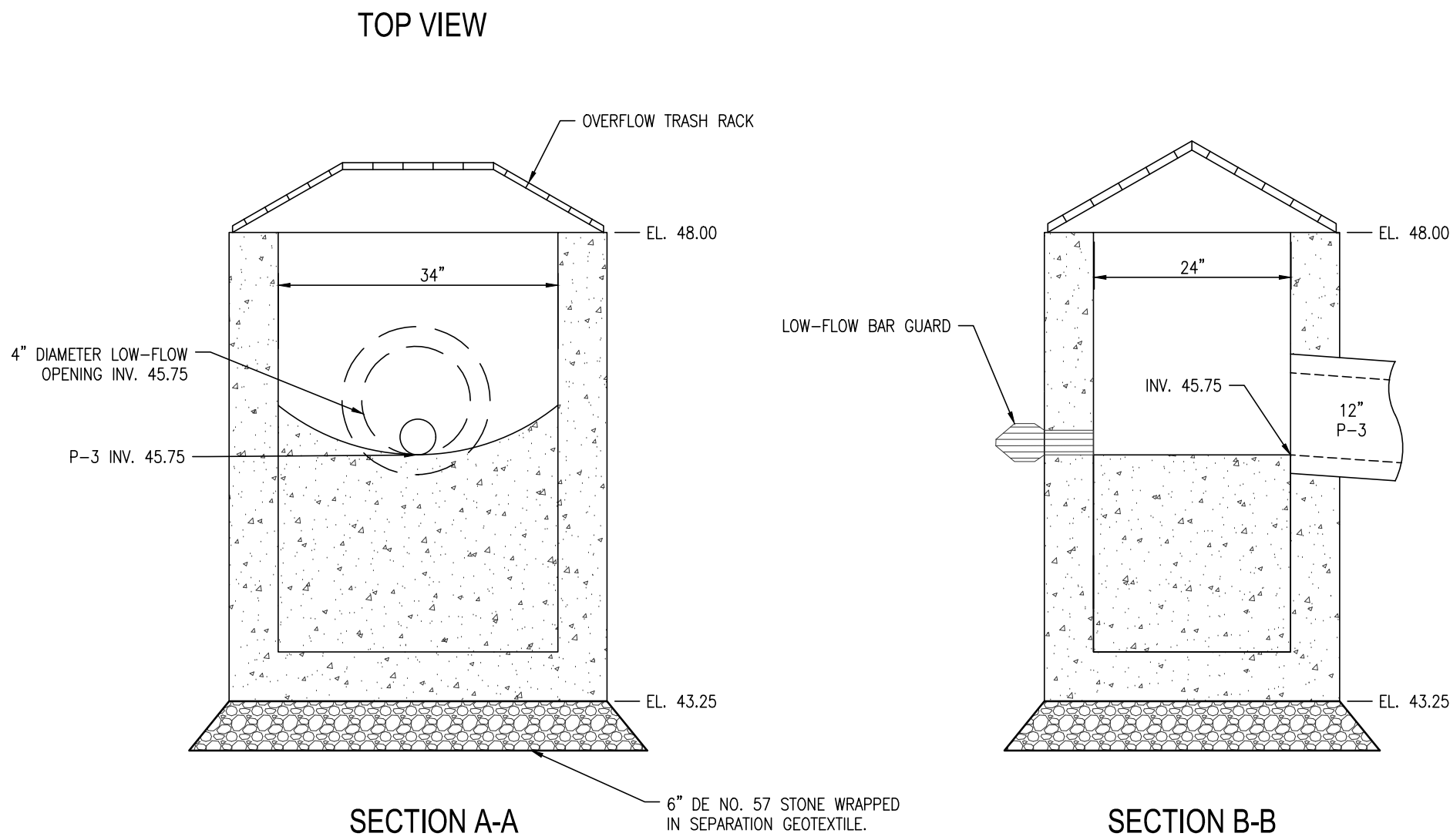
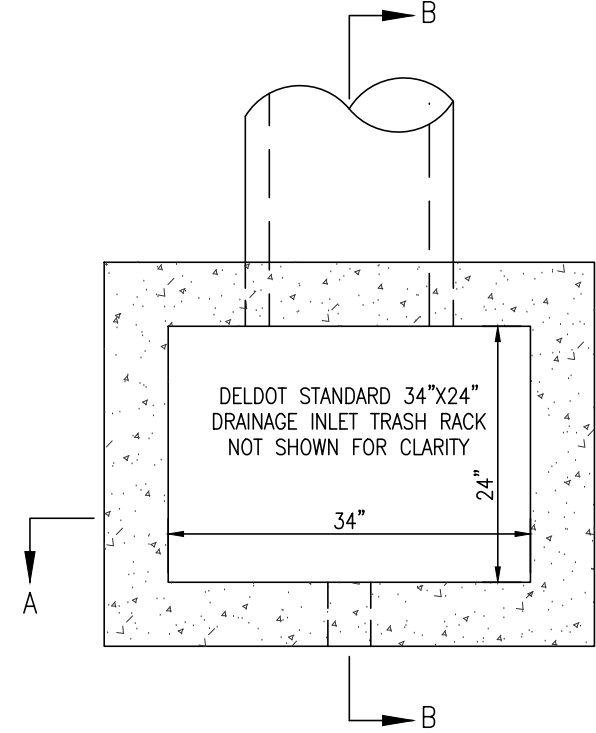
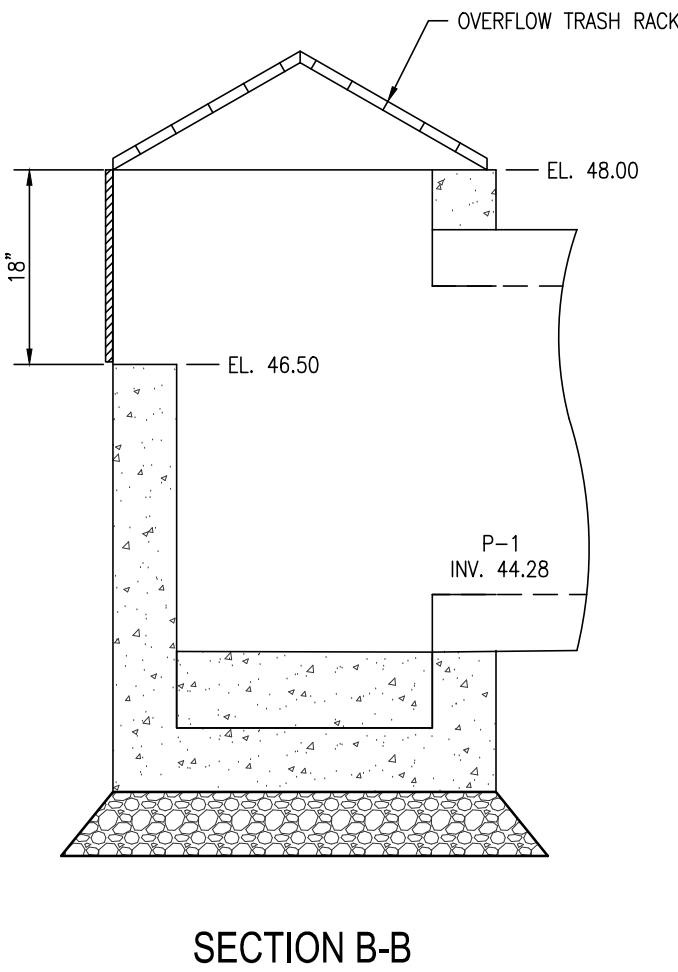
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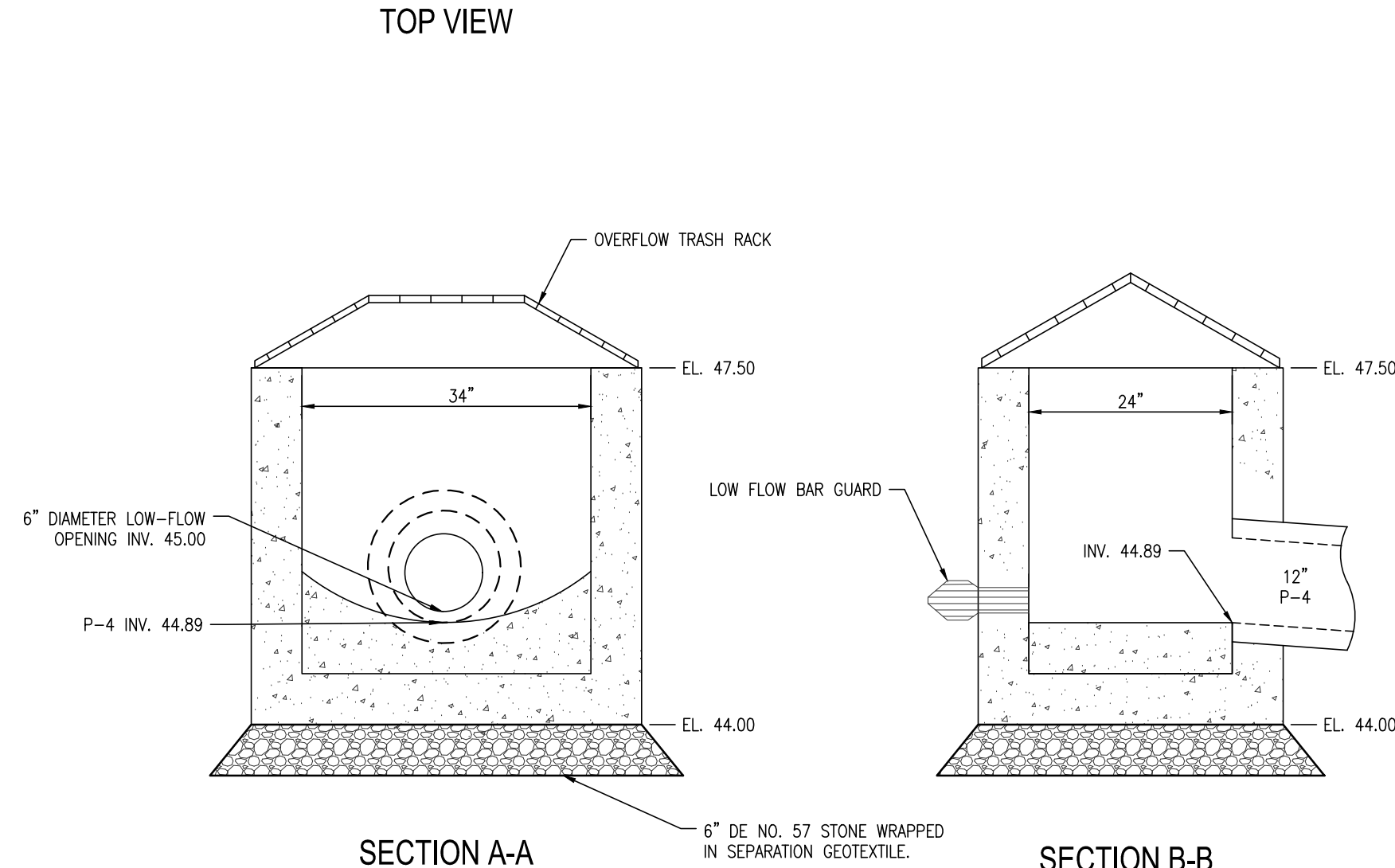
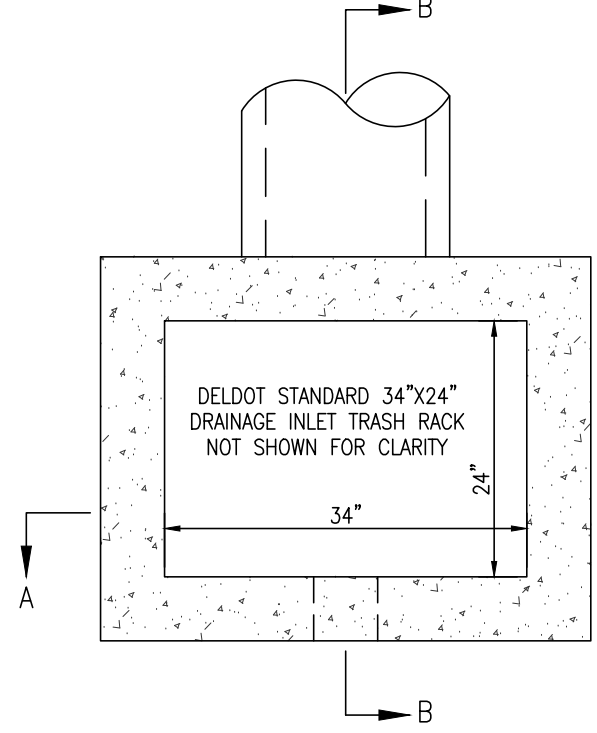
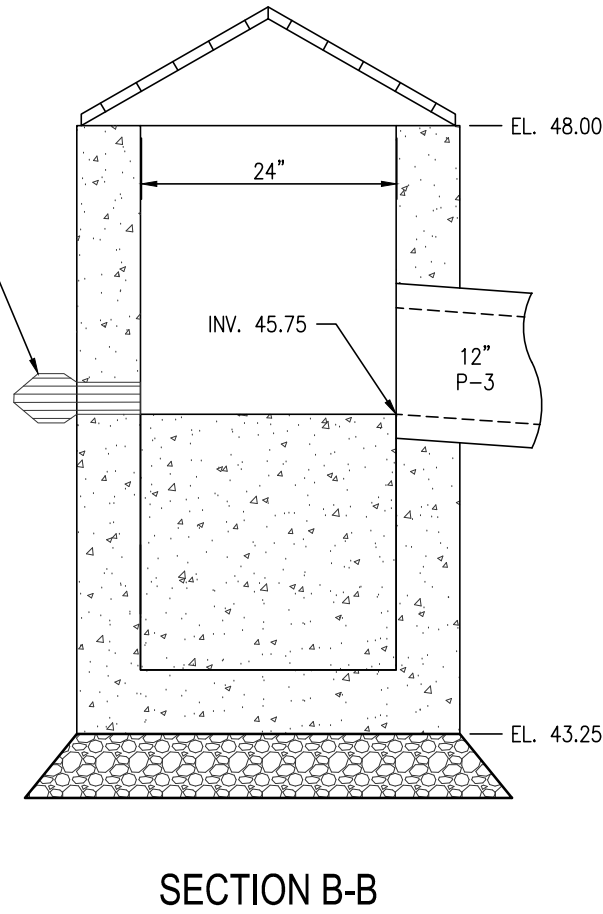
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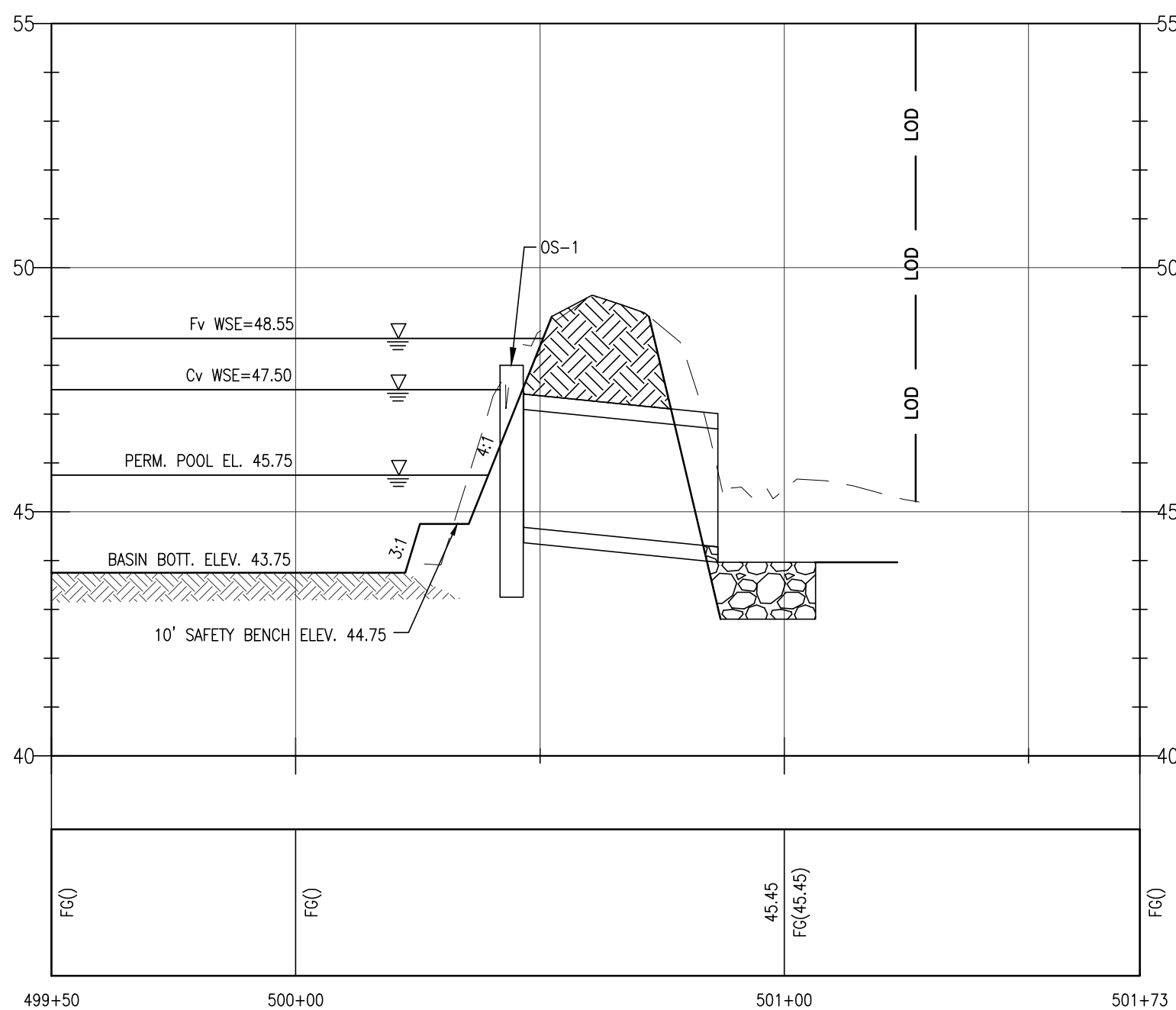
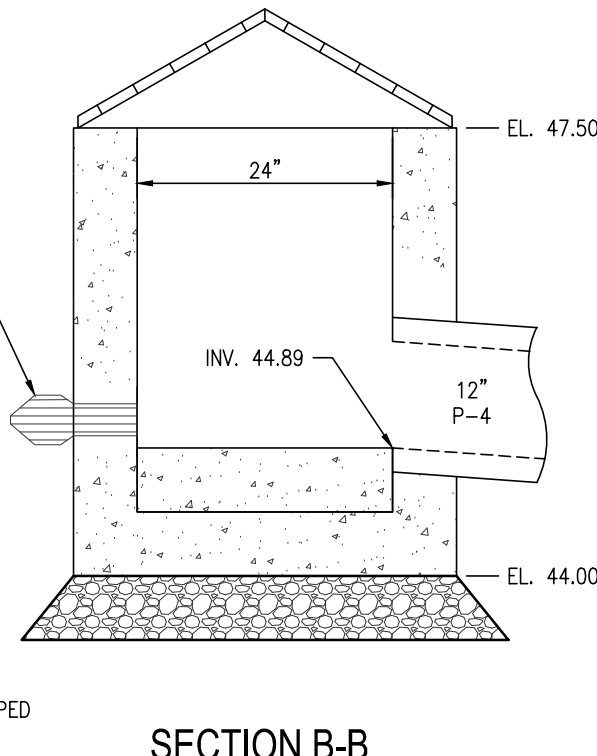
OS-1 DETAIL
SCALE: 1" = 1.5'



OS-2 DETAIL
SCALE: 1" = 1.5'

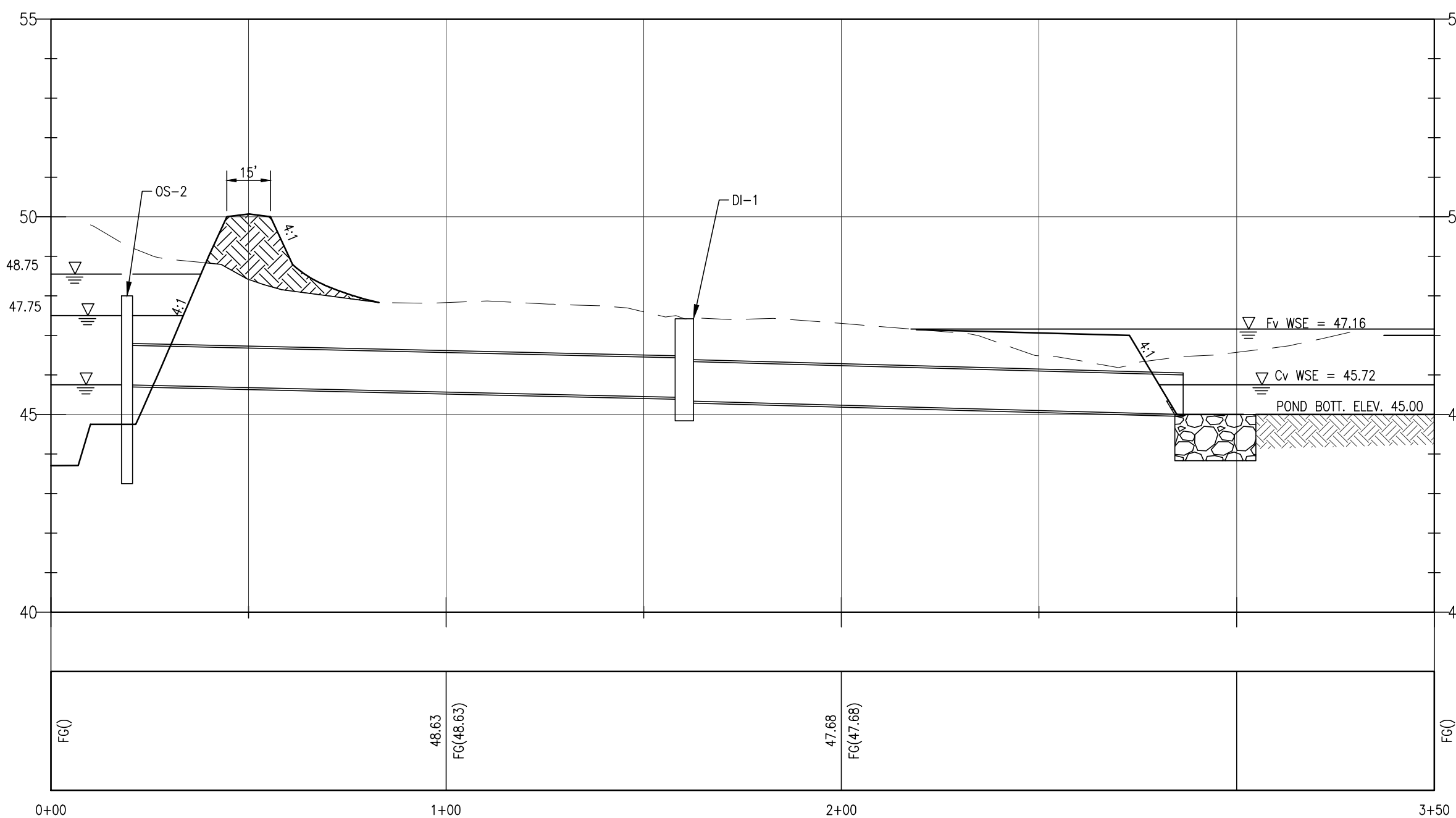


OS-3 DETAIL
SCALE: 1" = 1.5'



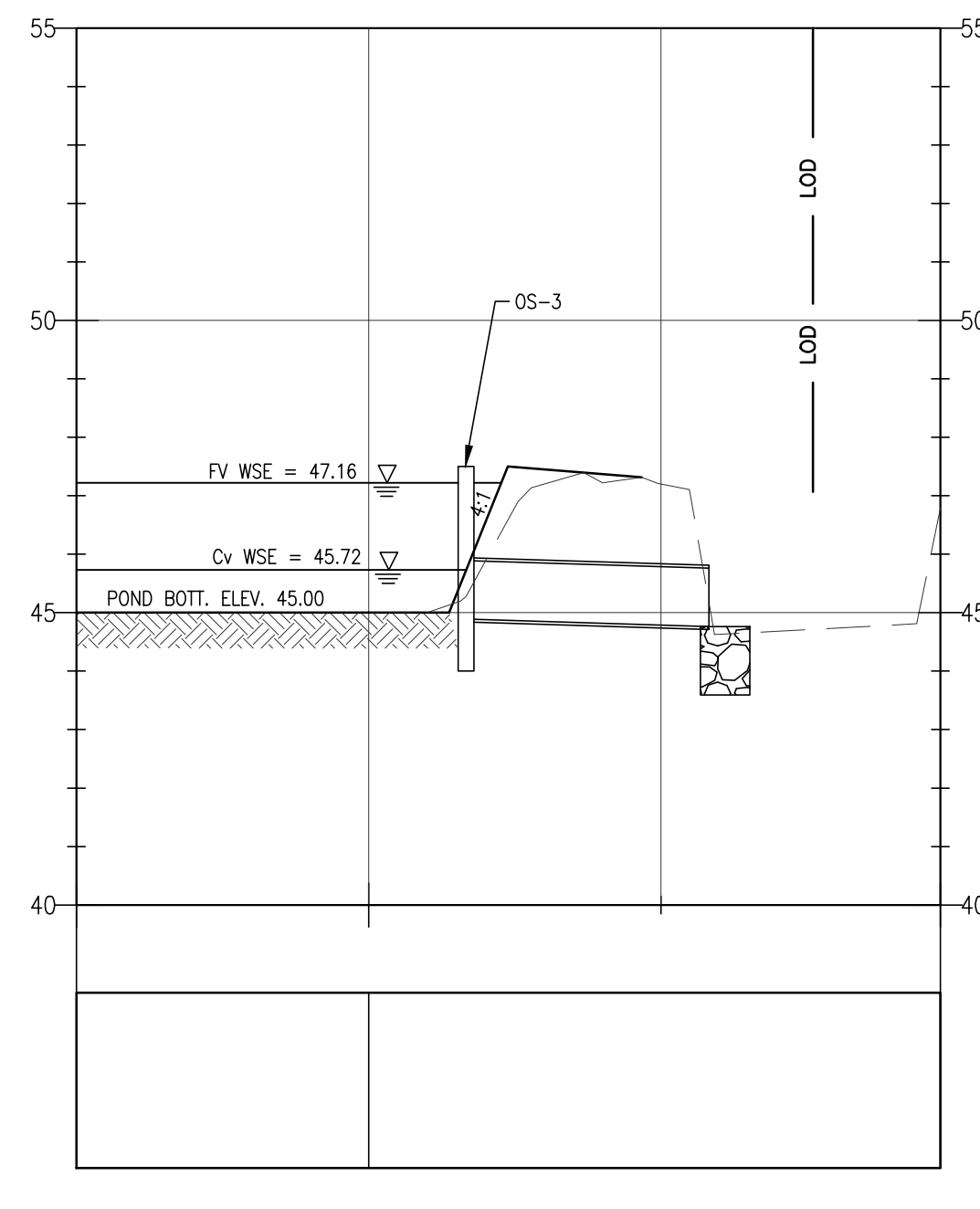
1

OUTLET STRUCTURE OS-1 PROFILE
SCALE: HORIZ. 1" = 30'
VERT. 1" = 3'



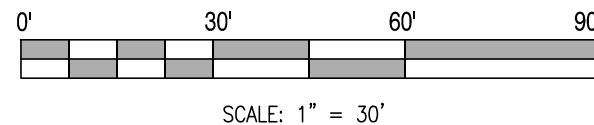
2

OUTLET STRUCTURE OS-2 PROFILE
SCALE: HORIZ. 1" = 30'
VERT. 1" = 3'



3

OUTLET STRUCTURE OS-3
SCALE: HORIZ. 1" = 30'
VERT. 1" = 3'



OUTLET STRUCTURE NOTES

1. ALL OUTLET STRUCTURES SHALL BE PRECAST MEETING DELDOT STANDARDS AND SPECIFICATIONS FOR THE SIZES SHOWN.
2. ANY CONCRETE REQUIRED USED FOR THE STRUCTURES SHALL BE PORTLAND CEMENT CONCRETE CLASS A.
3. REINFORCING STEEL SHALL BE EPOXY COATED AND SHALL CONFORM TO AASHTO M31-94, GRADE 60. ALL FASTENERS SHALL BE GRADE 8.
4. GEOTEXTILE SHALL CONFORM TO ITEM NO. 708002 - GEOTEXTILES, SEPARATION.
5. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS DETAILING LAYOUT AND DESIGN OF OUTLET STRUCTURE AND TRASH RACKS SEALED BY A REGISTERED DELAWARE PROFESSIONAL ENGINEER.
6. TRASH RACKS FOR THE TOPS SHALL BE GALVANIZE
7. STRUCTURE SHALL BE CONSTRUCTED FROM PRECAST STANDARD 66" X 30" INLET BOX.
8. TRASH RACK SHALL BE CONTECH OR APPROVED EQUAL.

REVISIONS:

DATE: DESCRIPTION:

POLYTECH HIGH SCHOOL
STORMWATER MANAGEMENT POND RETROFIT

POST CONSTRUCTION STORMWATER MANAGEMENT
FACILITY

SEAL:



CIVIL ENGINEER:

CENTURY
ENGINEERING
CONSULTING ENGINEERS, SURVEYORS
550 SOUTH BAY ROAD
DOVER, DELAWARE 19901

CEI CONTRACT NO.: 25003885.001A

DESIGNED BY:

FRM

DRAWN BY:

KC

CHECKED BY:

AES

DATE:

DECEMBER 2025

SCALE:

1" = 30'

SHEET NO.:

C210

CONTRACT NO.:

ADDENDUM NO.1
DECEMBER 31, 2025



POLYTECH School District
Stormwater Maintenance & Improvements
Preliminary Construction Schedule
December 30, 2025

