



CITY MANAGER'S OFFICE
CITY OF NEWARK

220 South Main Street · Newark, Delaware 19711
302.366.7000 · Fax 302.366.7035 · www.newarkde.gov

October 24, 2024

Invitation to Bid No. 24-14

Addendum #2

1. Notice to Bidders

- A. This Addendum is issued to all registered plan holders pursuant to the Conditions of the Invitation to Bid. This Addendum serves to clarify, revise, and supersede information in the Project Specifications, Drawings, and previously issued Addenda. Portions of the Addendum affecting the Invitation to Bid Documents will be incorporated into the Invitation to Bid by enumeration of the Addendum in the Owner/Contractor Agreement.
- B. The Bidder shall acknowledge receipt of this Addendum with their submitted proposal.
- C. **The date for receipt of bids is unchanged by this Addendum.**
- D. **The cutoff date and time for questions was Monday October 21, 2024 at 5:00 p.m. Questions submitted after this date and time will not answered.**
- E. **Attachments with this Addendum include:**
 - 1. Addendum #2 Plans.

2. Responses to Questions Submitted at Pre-Bid Meeting and Via Email

Question 1:	SW-101 - STORMWATER PLAN - All the inlets listed in the schedule are 24"x34" in size. On ES-101 - E&S PLAN inlets 1, 4, and 6 are shown having a single IP-3 inlet protection. Inlets 2, 3, and 5 are shown having a double IP-3 inlet protection. A 24"x34" inlet has a single frame and grate. How many inlet protections should all 24"x34" inlets have?
Response 1:	1 Inlet Protection for each drainage inlet. An updated plan sheet has been provided with this Addendum.

END OF ADDENDUM #2

SHEET NOTES

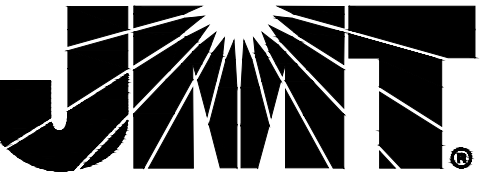
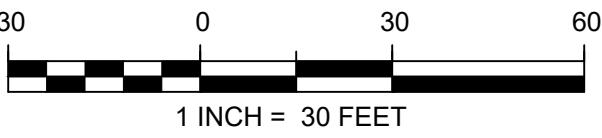
1. STABILIZED CONSTRUCTION ENTRANCE IS SHOWN AT RECOMMENDED LOCATION. CONTRACTOR MAY DETERMINE APPROPRIATE PLACEMENT DURING CONSTRUCTION. MOVING AS NECESSARY. STABILIZED CONSTRUCTION ENTRANCES WILL BE PLACED WHERE CONSTRUCTION VEHICLES WILL BE LEAVING THE SITE.
2. STABILIZE ALL AREAS WITHIN THE PROJECT LIMITS THAT HAVE BEEN IDLE FOR 14 DAYS.
3. ALL DISTURBED AREAS OF THE SITE WITHOUT PROPOSED IMPROVEMENTS SHALL BE SEEDED PER SPECIFICATIONS.

LEGEND

- LOD LIMIT OF DISTURBANCE (0.82 ACRES)
- CFL COMPOST FILTER LOG
- SF SILT FENCE
- SCE STABILIZED CONSTRUCTION ENTRANCE WITH WASH RACK
- IP-2
- IP-3

HYDROLOGIC SOIL GROUP

DaB: Delanco silt loam, 3 to 8 percent slopes
(Entire site comprised of DaB soil)



121 CONTINENTAL DRIVE, SUITE 300 |
NEWARK, DE 19713
P: (302) 266-9080 | www.jmt.com

SEAL:



PREPARED FOR:



REVISIONS

NO.	DATE	DESCRIPTION
1	10/14/24	ADDENDUM 1
2	10/21/24	ADDENDUM 2

PROJECT:

OLD PAPER MILL ROAD
PARK

PROJECT LOCATION:

219 OLD PAPER MILL ROAD
NEWARK, DE 19711

PROJECT NUMBER:

20-03026-008

DATE:

09/25/2024

SCALE:

PLAN SET:

EROSION & SEDIMENT CONTROL PLAN

DRAWING TITLE:

E&S PLAN

DRAWING NUMBER:

ES-101

EROSION & SEDIMENT CONTROL NOTES

1. THE CITY OF NEWARK PUBLIC WORKS AND WATER RESOURCES DEPARTMENT 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 CITY OF NEWARK.
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 CITY OF NEWARK PUBLIC WORKS AND WATER RESOURCES DEPARTMENT WITHIN 60-DAYS OF 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. THE PERMITTEE OF RECORD SHALL NOT BE RELIEVED OF THEIR RESPONSIBILITIES UNTIL A NOTICE OF TERMINATION HAS BEEN PROCESSED BY THE DEPARTMENT.
11. 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.
12. THE OWNER SHALL BE FAMILIAR WITH AND COMPLY WITH ALL ASPECTS OF THE NPDES CONSTRUCTION GENERAL PERMIT ASSOCIATED WITH THE PROJECT, INCLUDING, BUT NOT LIMITED TO, PERFORMING WEEKLY SITE INSPECTIONS DURING CONSTRUCTION AND AFTER RAIN EVENTS, AND MAINTAINING WRITTEN LOGS OF THESE INSPECTIONS.
13. BEFORE ANY EARTHWORK OR EXCAVATION TAKES PLACE, THE CONTRACTOR SHOULD CALL MISS UTILITY AT 811 OR 1-800-282-8555 AT LEAST 72 HOURS PRIOR TO CONSTRUCTION, TO HAVE ALL EXISTING UTILITIES MARKED ONSITE.
14. BEST AVAILABLE TECHNOLOGY (BAT) SHALL BE EMPLOYED TO MANAGE TURBID DISCHARGES IN ACCORDANCE WITH REQUIREMENTS OF 7 DEL. C.H.60 AND THE CURRENT DELAWARE CONSTRUCTION GENERAL PERMIT (CGP).
15. DOCUMENTATION OF SOIL TESTING AND MATERIALS USED FOR TEMPORARY OR PERMANENT STABILIZATION INCLUDING BUT NOT LIMITED TO SOIL TEST RESULTS, SEED TAGS, SOIL AMENDMENT TAGS, ETC. SHALL BE PROVIDED TO THE CITY OF NEWARK PUBLIC WORKS AND WATER RESOURCES DEPARTMENT TO VERIFY THAT THE PERMANENT OR TEMPORARY STABILIZATION HAS BEEN COMPLETED IN ACCORDANCE WITH THE APPROVED PLAN.
16. THE CITY OF NEWARK MAY REQUIRE ADDITIONAL SOIL TESTING AND REAPPLICATION OF PERMANENT OR TEMPORARY STABILIZATION IN ACCORDANCE WITH THE SPECIFICATIONS IN THE DELAWARE EROSION AND SEDIMENT CONTROL HANDBOOK, OR ALTERNATIVE MEASURES THAT PROVIDE FUNCTIONAL EQUIVALENCY.

RIPRAP SCHEDULE		
NO.	TYPE	AREA (SY)
1	R-4	5.50
2	R-4	12.5

DRAINAGE INLET SCHEDULE						
NO.	NORTHING	EASTING	BOX SIZE	GRATE	T.G. EL.	INV. EL.
1	20535.284	18771.402	34" x 24"	4	79.00	76.87
2	20534.642	18777.144	34" x 24"	1	76.65	74.52
3	20534.683	18777.880	34" x 24"	1	76.46	74.33
4	20534.917	18781.757	34" x 24"	4	77.80	74.00
5	20535.230	18787.031	34" x 24"	4	77.27	75.14
6	20535.357	18788.124	34" x 24"	4	78.00	75.30
7	20537.254	18790.595	34" x 24"	2	78.00	75.80

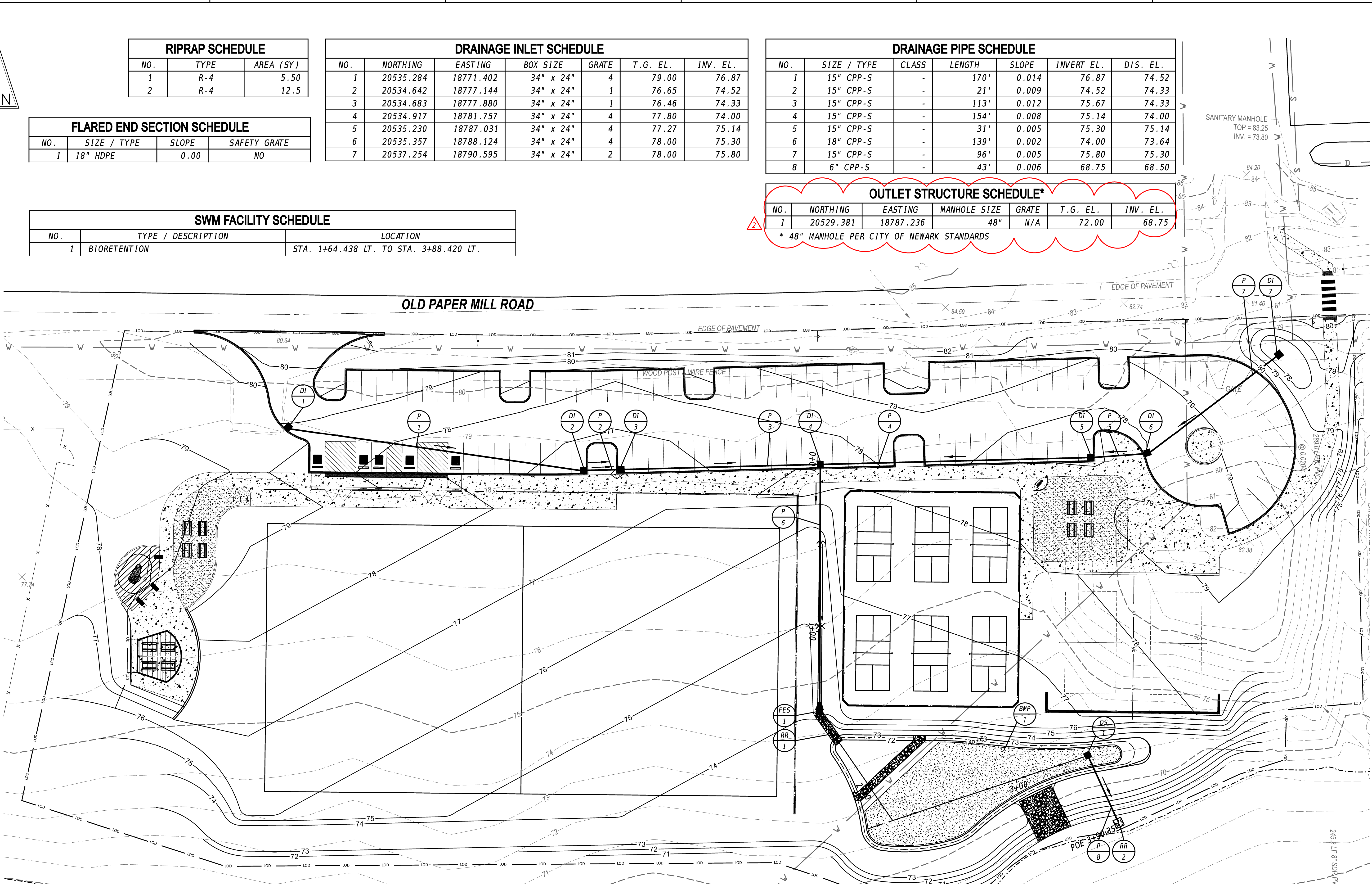
DRAINAGE PIPE SCHEDULE						
NO.	SIZE / TYPE	CLASS	LENGTH	SLOPE	INVERT EL.	DIS. EL.
1	15" CPP-S	-	170'	0.014	76.87	74.52
2	15" CPP-S	-	21'	0.009	74.52	74.33
3	15" CPP-S	-	113'	0.012	75.67	74.33
4	15" CPP-S	-	154'	0.008	75.14	74.00
5	15" CPP-S	-	31'	0.005	75.30	75.14
6	18" CPP-S	-	139'	0.002	74.00	73.64
7	15" CPP-S	-	96'	0.005	75.80	75.30
8	6" CPP-S	-	43'	0.006	68.75	68.50

OUTLET STRUCTURE SCHEDULE*						
NO.	NORTHING	EASTING	MANHOLE SIZE	GRATE	T.G. EL.	INV. EL.
1	20529.381	18787.236	48"	N/A	72.00	68.75

* 48" MANHOLE PER CITY OF NEWARK STANDARDS

FLARED END SECTION SCHEDULE			
NO.	SIZE / TYPE	SLOPE	SAFETY GRATE
1	18" HDPE	0.00	NO

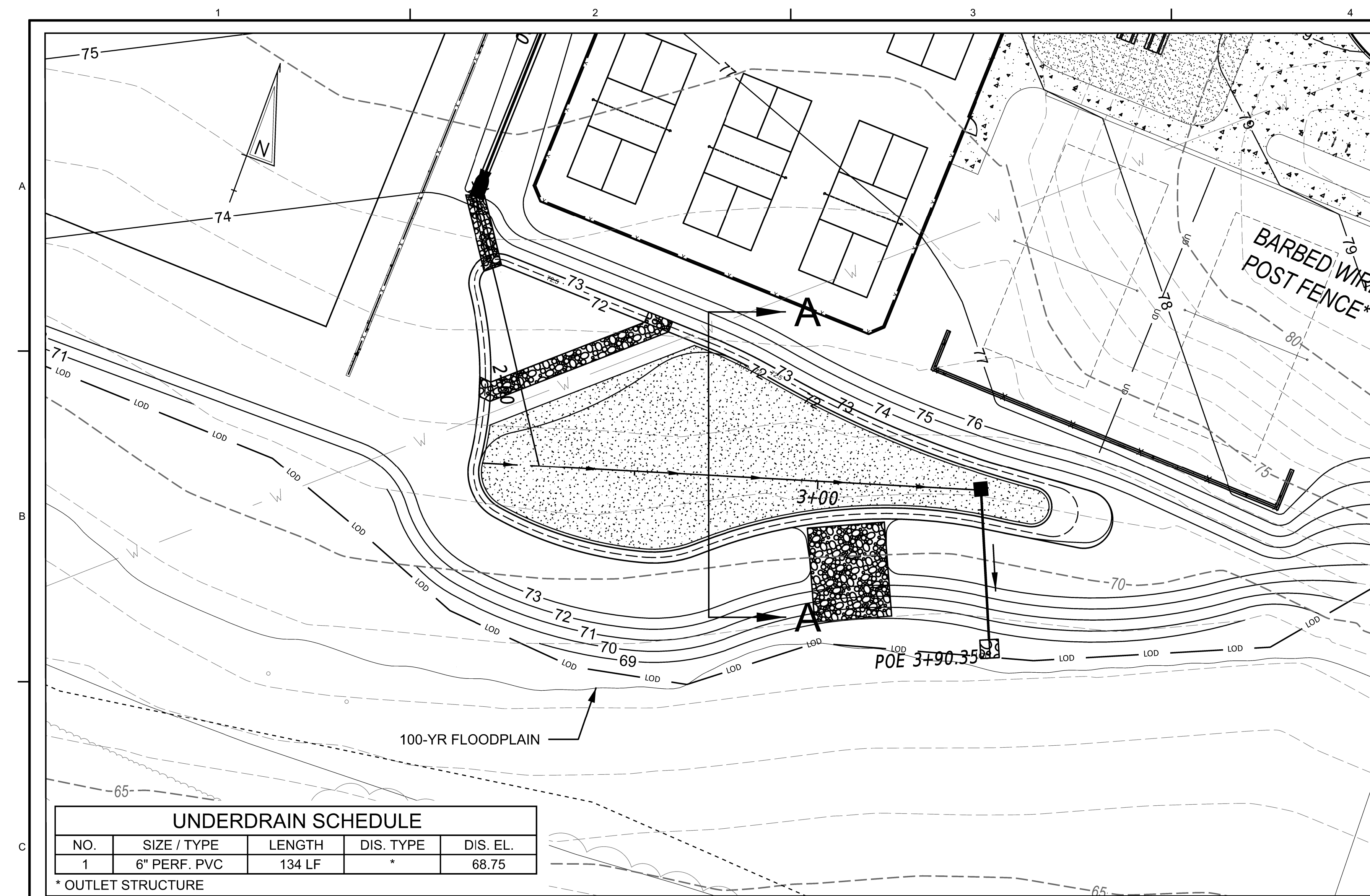
SWM FACILITY SCHEDULE		
NO.	TYPE / DESCRIPTION	LOCATION
1	BIORETENTION	STA. 1+64.438 LT. TO STA. 3+88.420 LT.



REVISIONS		
NO.	DATE	DESCRIPTION

PROJECT:	
OLD PAPER MILL ROAD PARK	
PROJECT LOCATION: 219 OLD PAPER MILL ROAD NEWARK, DE 19711	
PROJECT NUMBER: 20-03026-008	
DATE: 08/30/2024	SCALE: 1" = 30'

PLAN SET: STORMWATER MANAGEMENT PLAN
DRAWING TITLE: STORMWATER PLAN
DRAWING NUMBER: SW-101



BIORETENTION
PLAN VIEW
SCALE: 1" = 10'

SEQUENCE OF CONSTRUCTION FOR BIORETENTION AREA:

THE BIORETENTION AREA SHALL FUNCTION AS A SEDIMENT BASIN DURING CONSTRUCTION. PAYMENT SHALL BE INCIDENTAL TO BIORETENTION ITEMS.

- CLEAR AND GRUB AREA FOR BIORETENTION AREA CONSTRUCTION, INSTALL PERIMETER CONTROLS.
- EXCAVATE AS NEEDED TO INSTALL BIORETENTION OUTLET STRUCTURE AND OUTFALL PIPE. TEMPORARILY PLUG LOW FLOW UNDERDRAIN ORIFICE AND INSTALL INLET PROTECTION.
- EXCAVATE REMAINING BIORETENTION AREA TO 1' BELOW THE TOP ELEVATION OF THE OUTLET STRUCTURE.
- CONTRACTOR SHALL CLEARLY MARK THE CLEAN OUT ELEVATION ON A STAKE DRIVEN INTO THE GROUND AT A LOCATION CLEARLY VISIBLE FROM THE EMBANKMENT. SEDIMENT SHALL BE REMOVED WHEN IT REACHES AN ELEVATION 6" BELOW THE TOP OF THE OUTLET STRUCTURE.

CONVERSION TO PERMANENT BIORETENTION AREA:

BEFORE CONSTRUCTION OF THE BIORETENTION AREA, ALL AREAS DRAINING TO THE FACILITY MUST BE AT FINAL GRADE AND STABILIZED. ABSOLUTELY NO HEAVY EQUIPMENT SHALL BE IN THE ACTUAL BIOSOIL FOOTPRINT ONCE THE CONVERSION PROCESS HAS STARTED. ALL EXCAVATION SHALL BE FROM THE SIDE.

- INFLOW AREAS AROUND THE PERIMETER OF THE BIORETENTION AREA, INCLUDING THE SIDE SLOPES WILL REQUIRE SILT FENCE OR 18" COMPOST FILTER LOGS AROUND THE EDGE TO INTERCEPT RUNOFF PRIOR TO ENTERING THE FACILITY. THESE ITEMS SHALL REMAIN UNTIL THE SURROUNDING VEGETATION IS ESTABLISHED.
- CONSTRUCT FOREBAY TO LINES, GRADES AND DETAILS AS SHOWN ON THE STORMWATER PLANS AND STABILIZE IMMEDIATELY AFTER CONSTRUCTION. DEWATER WORK AREA AS NEEDED IN ACCORDANCE WITH THE SPECIFICATIONS.
- EXCAVATE THE BIORETENTION AREA TO THE DIMENSIONS AS SHOWN ON THE PLANS AND SCARIFY THE BOTTOM A MINIMUM OF 6 INCHES.
- PLACE #8 INFILTRATION STONE UP TO THE BOTTOM INVERT OF THE UNDERDRAIN ORIFICE ON THE OUTLET STRUCTURE. NO COMPACTION OF THE STONE IS NECESSARY.
- INSTALL UNDERDRAIN AS SHOWN ON THE PLAN. UNDERDRAIN SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS. WRAP IN WIRE MESH WITH A SQUARE OPENING SIZE OF 1/8-INCH AND SECURE MESH TO THE PIPE PRIOR TO PIPE PLACEMENT. PVC PERFORATED PIPE, MESH AND FASTENERS SHALL BE INCIDENTAL TO PERFORATED PIPE UNDERDRAINS.
- PLACE ADDITIONAL #8 INFILTRATION STONE SO THAT THERE WILL BE A MINIMUM OF 3 INCHES OF STONE OVER TOP OF THE UNDERDRAIN PIPE.
- PLACE BIOSOIL MIX AS SHOWN ON PLAN.

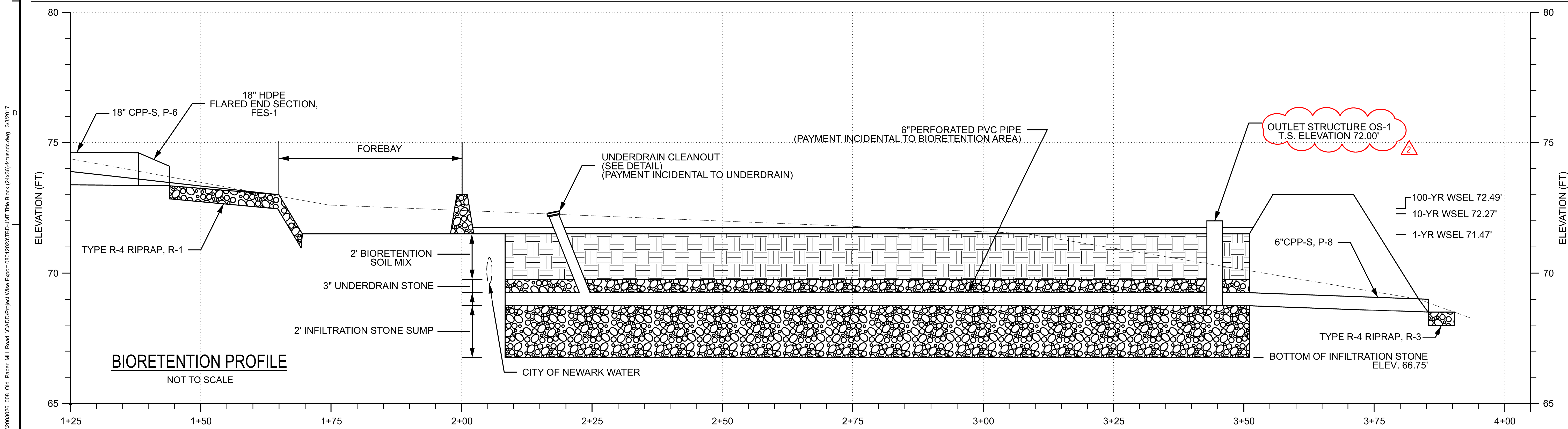
OPTION 1: ALLOW ONE STORM EVENT TO TAKE PLACE OR WAIT 3 CALENDAR DAYS TO CHECK FOR SETTLEMENT AND ADD ADDITIONAL BIOSOIL MIX, AS NEEDED, TO ACHIEVE THE DESIGN ELEVATION.

OPTION 2: PLACE BIOSOIL MIX IN MAXIMUM 12" LIFTS, WATERING EACH LIFT UNTIL SATURATED.

- PLACE 6 INCHES OF TRIPLE SHREDDED, AGED HARDWOOD MULCH AS SHOWN ON PLAN, COST INCIDENTAL TO BIORETENTION SOIL MIX.
- THE SAME DAY THAT THE BIORETENTION AREAS IS COMPLETED, PERMANENTLY STABILIZE THE DISTURBED AREA AROUND THE BIORETENTION AREA AS SHOWN ON THE PLANS.
- EROSION AND SEDIMENT CONTROL DEVICES SHALL BE REMOVED AFTER FINAL VEGETATIVE STABILIZATION OF ALL DISTURBED AREAS AND WITH WRITTEN APPROVAL FROM THE AGENCY CONSTRUCTION STIE REVIEWER.

NOTES:

- AS-BUILT DRAWINGS WILL BE COMPLETED BY THE CONTRACTOR AND CERTIFIED BY A DELAWARE PLS BEFORE THE CITY OF NEWARK SEMI-FINAL INSPECTION DATE. THESE DRAWINGS SHALL BE SENT TO THE STORMWATER ENGINEER FOR VERIFICATION. AS-BUILT DRAWINGS WILL INCLUDE, BUT NOT BE LIMITED TO:
 - GENERAL TOPOGRAPHY OF THE WHOLE FACILITY AT 1-FOOT CONTOURS INCLUDING FOREBAYS AND TOP/TOE OF ANY EMBANKMENT
 - INVERTS OF ALL PIPES AND SWALES THAT INFLOW TO THE BIORETENTION AREA
 - OUTLET STRUCTURE (OR WEIR WALL) INVERTS OF ANY AND ALL ORIFICES/WEIRS, TOP OF STRUCTURE, OUTLET PIPE, ETC.
 - PRIMARY OUTFLOW PIPE OR CHANNEL. FOR A PIPE OUTFALL, INVERTS AT THE ENTRANCE AND EXIT. FOR A PRIMARY OUTFLOW CHANNEL/SWALE, SHOW CROSS SECTIONS AND SLOPE.
- THE CONTRACTOR SHALL INSPECT THE BIORETENTION AREA IMMEDIATELY AFTER EVERY RAIN EVENT AND MAKE REPAIRS AS NECESSARY.
- THE ENTIRE DISTURBED AREA SURROUNDING THE BIORETENTION AREA, EXCEPT THAT WHICH IS COVERED WITH BIOSOIL MIX, SHALL RECEIVE 6" TOPSOIL AND PERMANENT GRASS SEEDING, STORMWATER.
- ALL EXCAVATION WITH REGARD TO THE BIORETENTION AREA SHALL BE INCIDENTAL TO BIORETENTION AREA (CY).



BIORETENTION PROFILE
NOT TO SCALE



SEAL:



PREPARED FOR:



REVISIONS

NO.	DATE	DESCRIPTION

PROJECT:

OLD PAPER MILL ROAD
PARK

PROJECT LOCATION:
219 OLD PAPER MILL ROAD
NEWARK, DE 19711

PROJECT NUMBER:
20-03026-008

DATE:

08/30/2024

SCALE:

AS SHOWN

PLAN SET:

CONCEPT PLAN

DRAWING TITLE:

STORMWATER DETAILS

DRAWING NUMBER:

SW-501

C:\pwworking\mtd0742888\DETAILS.dwg 10/21/2024

A

B

C

D

1

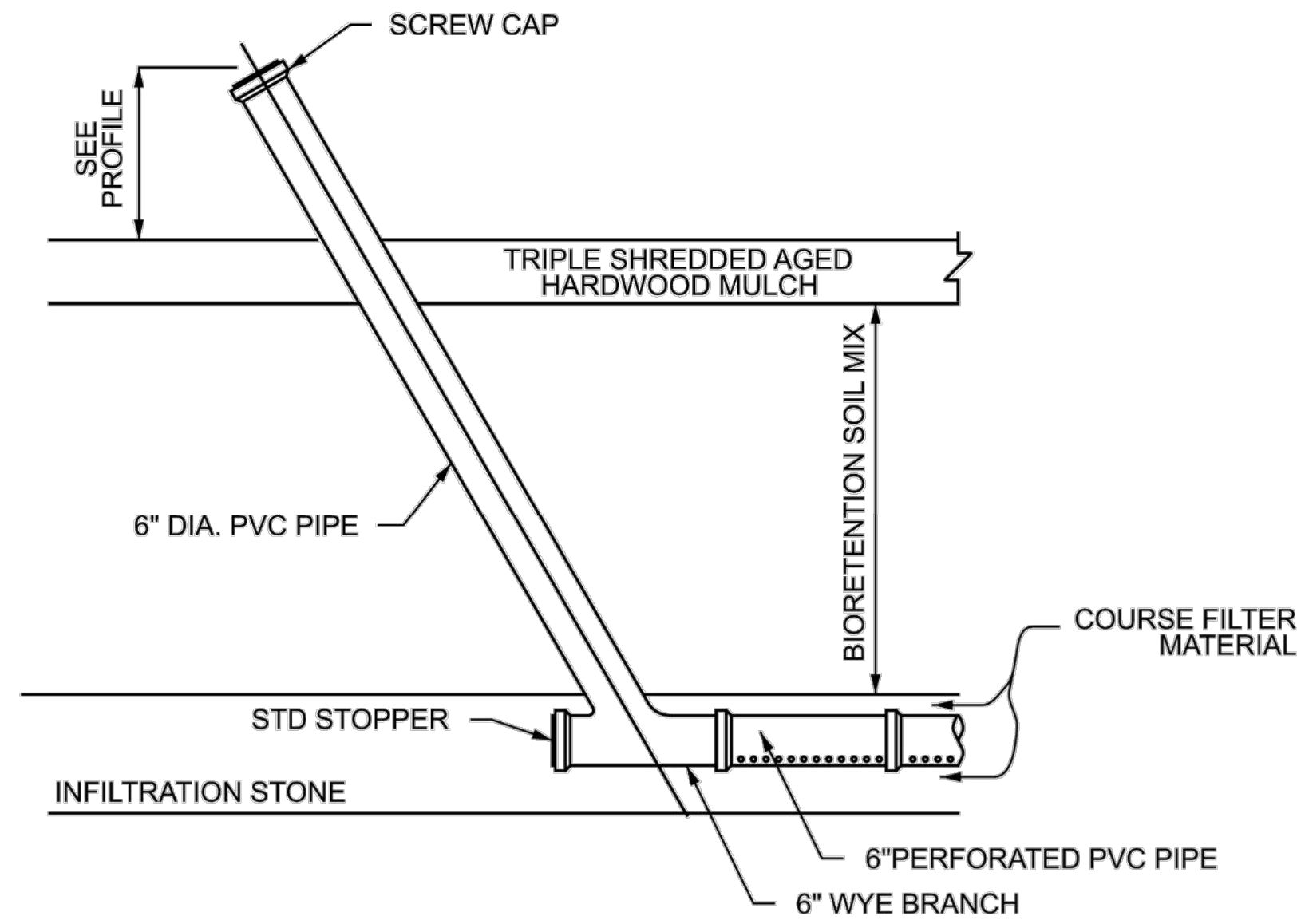
2

3

4

5

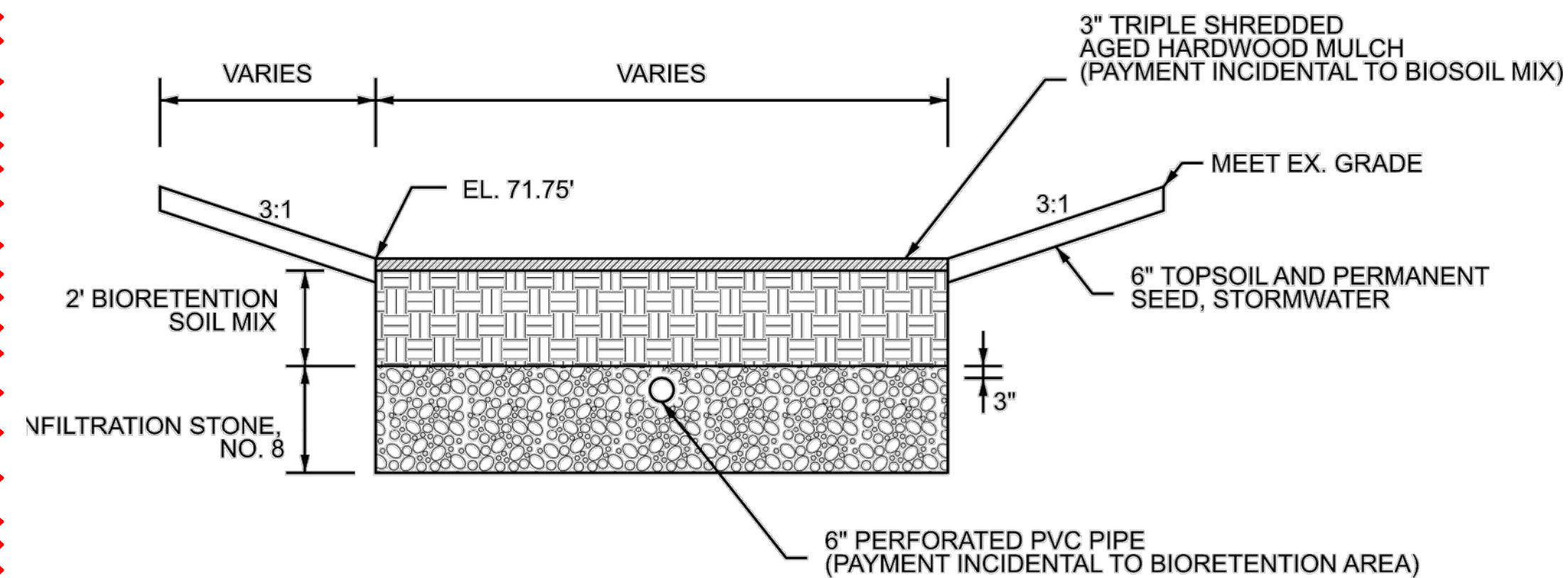
6



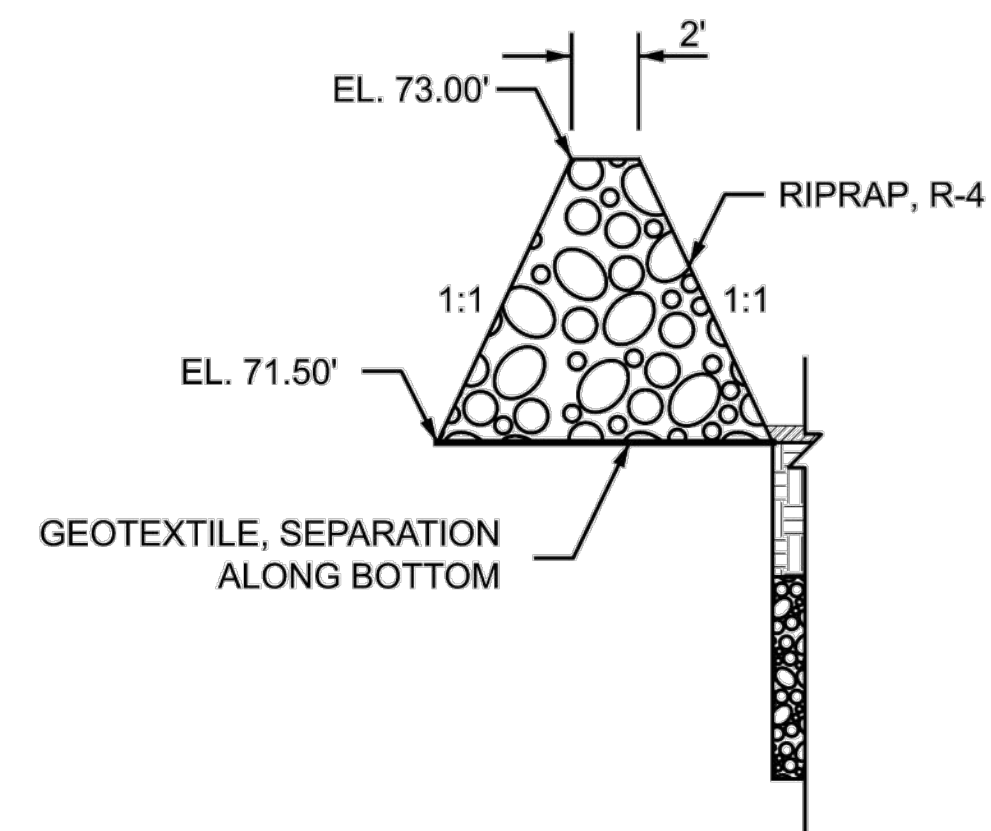
CLEANOUT DETAIL
NOT TO SCALE

NOTE:

ALL MATERIAL AND WORK REQUIRED TO INSTALL CLEANOUT SHALL BE INCIDENTAL TO BIORETENTION AREA.



TYPICAL SECTION
SECTION A-A
NOT TO SCALE



STONE CHECK DAM DETAIL
NOT TO SCALE



SEAL:



PREPARED FOR:



REVISIONS

NO.	DATE	DESCRIPTION
1	10/14/24	ADDENDUM 1
2	10/21/24	ADDENDUM 2

PROJECT:

OLD PAPER MILL ROAD
PARK

PROJECT LOCATION:

219 OLD PAPER MILL ROAD
NEWARK, DE 19711

PROJECT NUMBER:

20-03026-008

DATE:

09/25/2024

SCALE:

PLAN SET:

STORMWATER MANAGEMENT PLAN

DRAWING TITLE:

STORMWATER DETAILS

DRAWING NUMBER:

SW-502