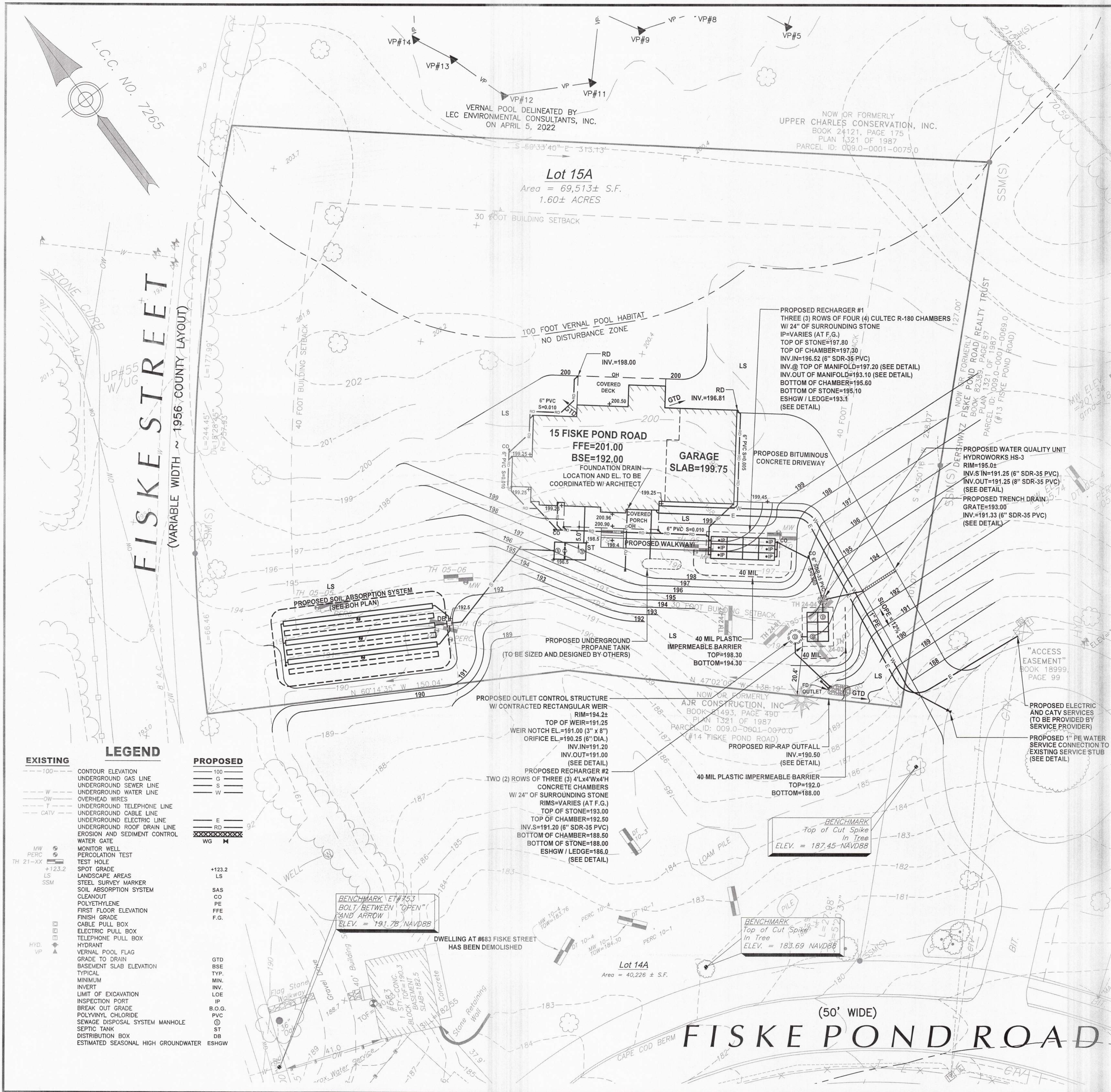




GENERAL NOTES

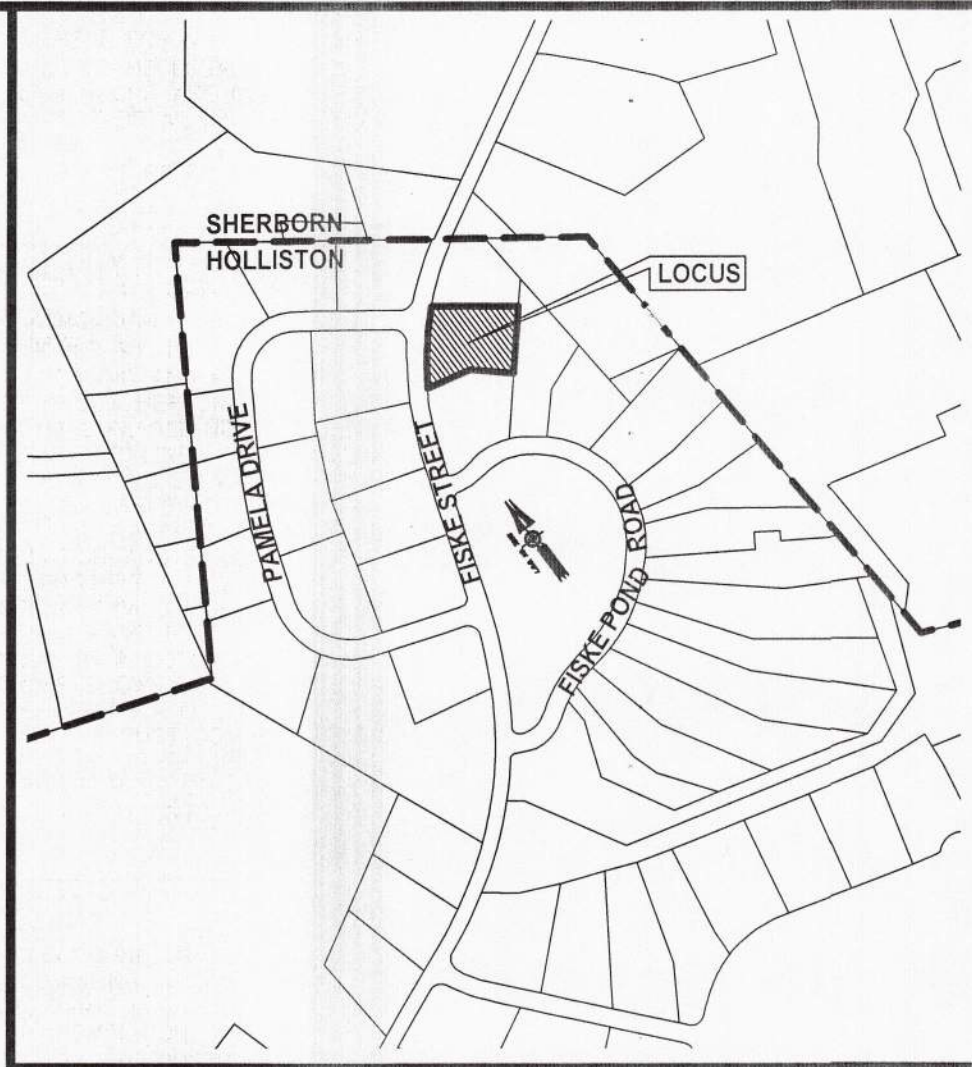
- ELEVATIONS REFER TO NAVD 1988. SEE BENCHMARKS LOCATED ON THE PLAN VIEW.
- PROPERTY LINE AND TOPOGRAPHIC INFORMATION IS FROM VARIOUS FIELD SURVEYS BY DGT ASSOCIATES.
- THE CONTRACTOR SHALL VERIFY THE LOCATION AND RELATIVE ELEVATION OF BENCHMARKS PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION. ANY DISCREPANCY SHALL BE REPORTED TO THE ENGINEER.
- ALL SITE CONSTRUCTION SHALL COMPLY WITH THE HOLLISTON DEPARTMENT OF PUBLIC WORKS. IN CASES WHERE LEDGE OR BOULDERS ARE PRESENT, DGT ASSOCIATES WILL NOT BE RESPONSIBLE FOR THE AMOUNT OF ROCK ENCOUNTERED.
- DGT ASSOCIATES SHALL BE NOTIFIED OF ANY SIGNIFICANT DIFFERENCES IN THE EXISTING CONDITIONS OR UTILITIES THAT MAY AFFECT THE CONSTRUCTION SHOWN ON THIS PLAN FOR ANY NECESSARY PLAN REVISIONS.
- THIS PLAN IS NOT INTENDED TO SHOW AN ENGINEERED BUILDING FOUNDATION DESIGN WHICH WOULD INCLUDE DETAILS AND ELEVATIONS FOR FOOTINGS AND FOUNDATION WALL DESIGN. SEE ARCHITECTURAL PLANS.
- THE PROPOSED BUILDING CONFIGURATION AS SHOWN HEREON SHALL BE CONSIDERED CONCEPTUAL AND SHALL BE VERIFIED WITH THE FINAL ARCHITECTURAL PLANS AND THE CURRENT ZONING ORDINANCES PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND/OR REPLACEMENT OF ANY EXISTING FEATURES DAMAGED DURING CONSTRUCTION THAT ARE NOT INTENDED FOR DEMOLITION AND/OR REMOVAL HEREON.
- SAFETY MEASURES, CONSTRUCTION METHODS AND CONTROL OF WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING DGT ASSOCIATES IN ADVANCE OF INSTALLING THE STORMWATER BMP'S TO SCHEDULE NECESSARY INSPECTIONS.
- DETAILS FROM INDEPENDENT VENDORS ARE CONSTANTLY CHANGING. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THAT DETAILS SHOWN HEREON MATCH THE CURRENT DETAILS AND SPECIFICATIONS FROM VENDORS.
- FOR PROPOSED BUILDING SETBACKS REFER TO PLAN TITLED "PROPOSED CERTIFIED PLOT PLAN" PREPARED BY DGT ASSOCIATES.

GRADING AND UTILITY PLAN NOTES

- LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN HEREON ARE APPROXIMATE ONLY. ALL UTILITIES, OBSTRUCTIONS AND/OR SYSTEMS MAY NOT BE SHOWN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR FOR LOCATING AND PROTECTING ALL EXISTING UNDERGROUND UTILITIES AND/OR SYSTEMS WHETHER OR NOT SHOWN HEREON.
- UNLESS OTHERWISE SHOWN HEREON, ALL NEW UTILITIES SHALL BE UNDERGROUND.
- RIM ELEVATIONS SHOWN HEREON FOR NEW STRUCTURES ARE PROVIDED TO ASSIST THE CONTRACTOR WITH MATERIAL TAKEOFFS. FINAL RIM ELEVATIONS SHALL MATCH PAVEMENT, GRADING, LANDSCAPING, UNLESS SPECIFICALLY INDICATED OTHERWISE.
- WHERE CONNECTIONS ARE TO BE MADE AT EXISTING UTILITIES, THE CONTRACTOR SHALL CONFIRM THE LOCATION PRIOR TO INSTALLATION AND SHALL REPORT ANY SIGNIFICANT DISCREPANCY FROM THE PLAN INFORMATION TO THE ENGINEER.
- NEW PAVING TO MEET EXISTING PAVING LINE AND GRADE AT POINTS OF INTERSECTION.
- AT LOCATIONS WHERE EXISTING PAVEMENT ABUTS NEW CONSTRUCTION, THE EDGE OF THE EXISTING PAVEMENT SHALL BE SAWCUT TO A CLEAN AND SMOOTH EDGE.
- PERIMETER EROSION CONTROLS SHOWN HEREON SHALL BE INSTALLED PRIOR TO ANY EARTH DISTURBANCE AND SHALL SERVE AS A LIMIT OF WORK, UNLESS OTHERWISE SHOWN.
- THE CONTRACTOR SHALL PROVIDE DUST CONTROL FOR CONSTRUCTION OPERATIONS AS APPROVED BY THE ENGINEER.
- ALL POINTS OF CONSTRUCTION EGRESS OR INGRESS SHALL BE MAINTAINED TO PREVENT THE TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADS.

REGULATORY NOTES

- THE LOCATION OF ALL UNDERGROUND UTILITIES SHOWN HEREON ARE BASED ON FIELD LOCATION OF VISIBLE STRUCTURES AND COMPILING INFORMATION FROM PLANS PROVIDED BY UTILITY COMPANIES AND GOVERNMENT AGENCIES. THE LOCATION SHOWN HEREON SHALL BE CONSIDERED APPROXIMATE. BEFORE ANY CONSTRUCTION, DEMOLITION OR SITE WORK, THE LOCATION OF ALL UNDERGROUND UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR BY CONTACTING "DIG-SAFE" AT 811.
- THE CONTRACTOR SHALL MAKE HIMSELF AWARE OF ALL CONSTRUCTION REQUIREMENTS, CONDITIONS AND LIMITATIONS IMPOSED BY PERMITS AND APPROVALS ISSUED BY REGULATORY AUTHORITIES PRIOR TO THE COMMENCEMENT OF ANY WORK. CONTRACTOR SHALL COORDINATE AND OBTAIN ALL CONSTRUCTION PERMITS REQUIRED BY REGULATORY AUTHORITIES.
- ALL WORK OUTSIDE OF THE BUILDING THAT IS LESS THAN 10 FEET FROM THE INSIDE FACE OF THE BUILDING FOUNDATIONS SHALL CONFORM WITH THE UNIFORM STATE PLUMBING CODE OF MASSACHUSETTS, 248 CMR.
- CONSTRUCTION ACTIVITIES SHALL CONFORM TO THE RULES AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).



LOCUS MAP

SCALE: 1"=500'

RECORD OWNER / APPLICANT:

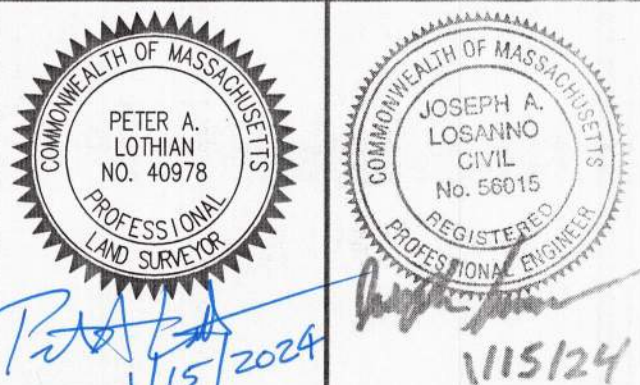
AJR CONSTRUCTION INC.

PARCEL ID:

009.0-0001-0071.0

ISSUED FOR:

PERMITTING



NO. APP DATE DESCRIPTION

DATE: JANUARY 15, 2024

SCALE: 1" = 20'

DESIGN: JAL DRAFTED: JAL CHECKED: BEC

PROJECT TITLE:

RESIDENTIAL
SITE PLAN

15 FISKE POND ROAD
HOLLISTON, MA 01746

SHEET TITLE:

SITE PLAN

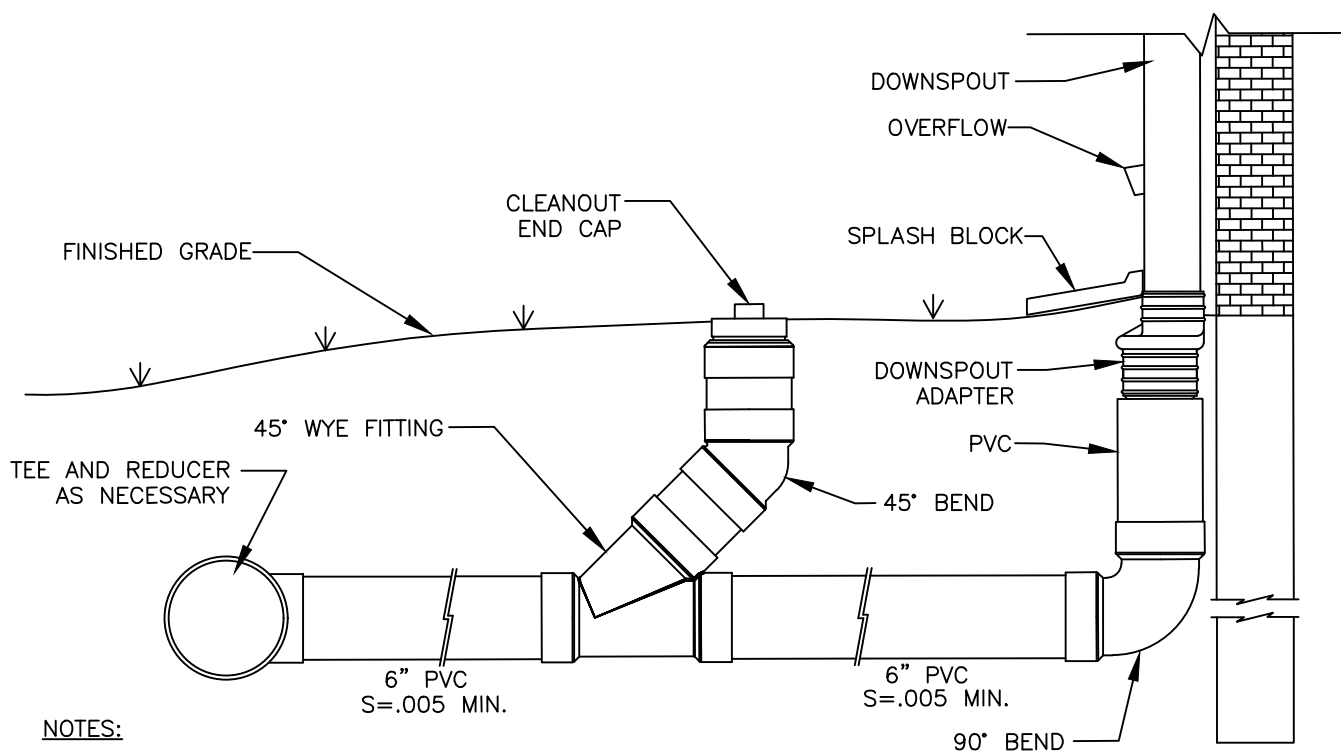
SHEET:

1 OF 4

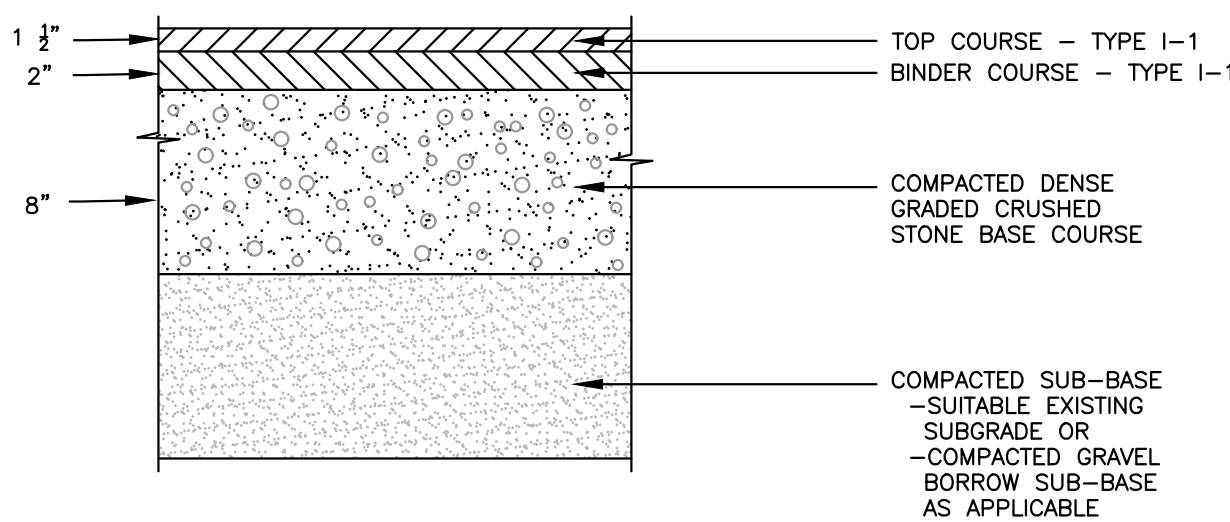
PROJECT NO.:

25868

C-1

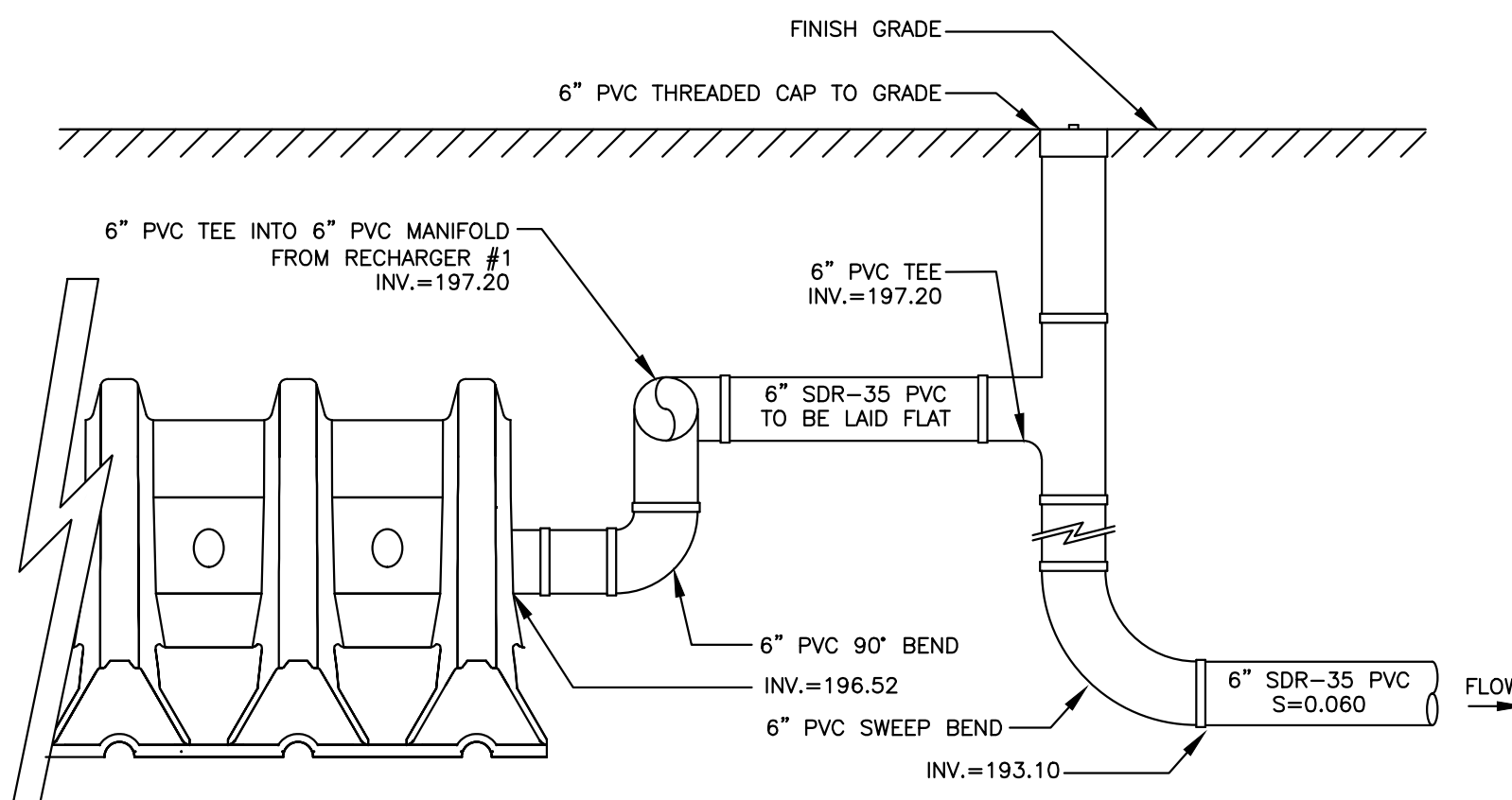


ROOF DRAIN WITH CLEANOUT DETAIL
(NO SCALE)



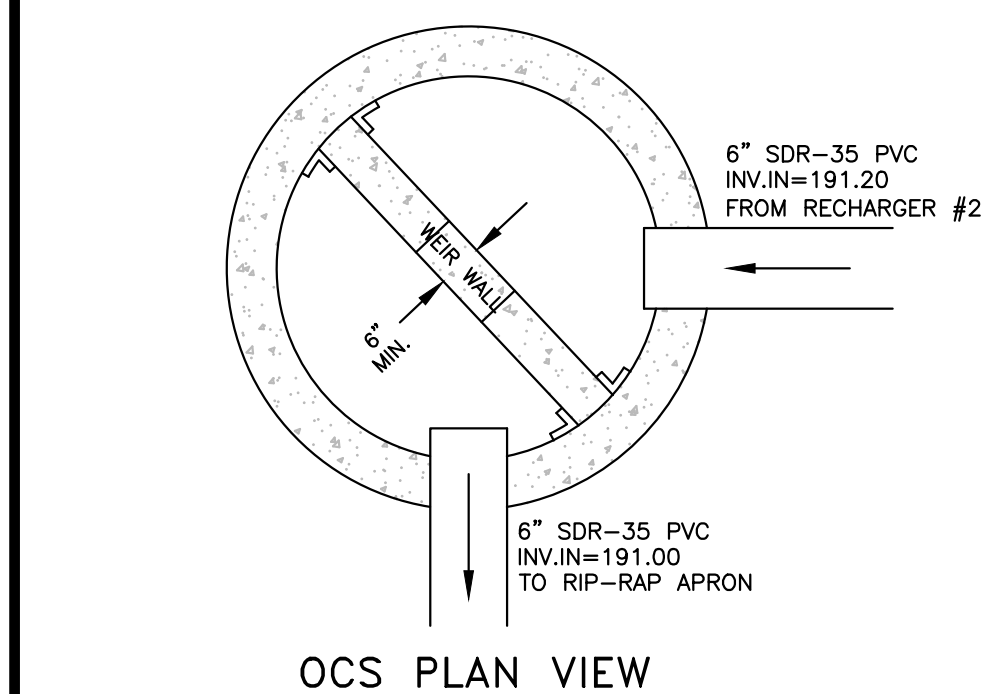
- NOTES:
1. COMPACTED DENSE GRADED CRUSHED STONE BASE COURSE TO CONFORM TO MASS. HIGHWAY DEPT. SPEC. M 2.01.7
 2. COMPACTED GRAVEL BORROW WITH NO STONES LARGER THAN 6 INCHES.
 3. BITUMINOUS CONCRETE SHALL BE CLASS 1, TYPE I-1.
 4. AT AREAS OF LEDGE/BEDROCK, REMOVE LEDGE TO A DEPTH OF 18 INCHES MINIMUM BELOW PAVEMENT COURSE.
 5. COMPACTED BASE TO EXTEND 12 INCHES MINIMUM BEYOND THE EDGE OF PAVEMENT.

BITUMINOUS CONCRETE PAVEMENT
(NO SCALE)

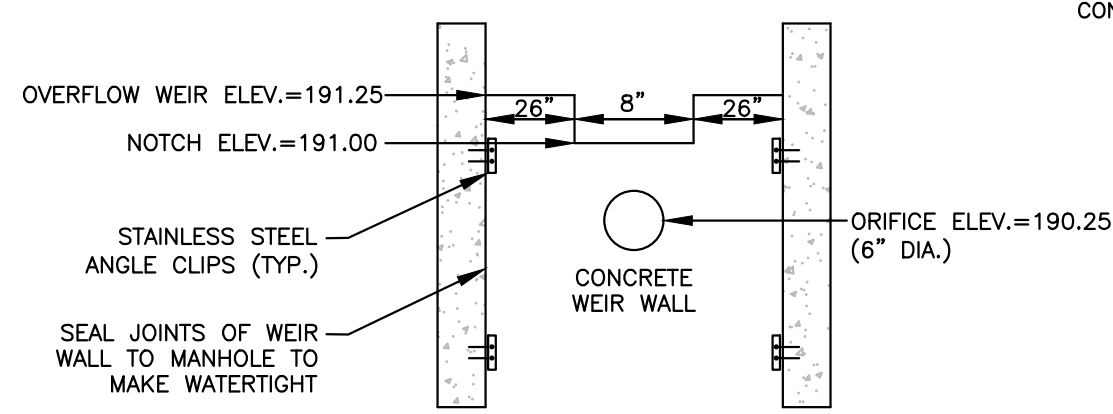


NOTE: ALL PVC IS TO BE SDR-35.

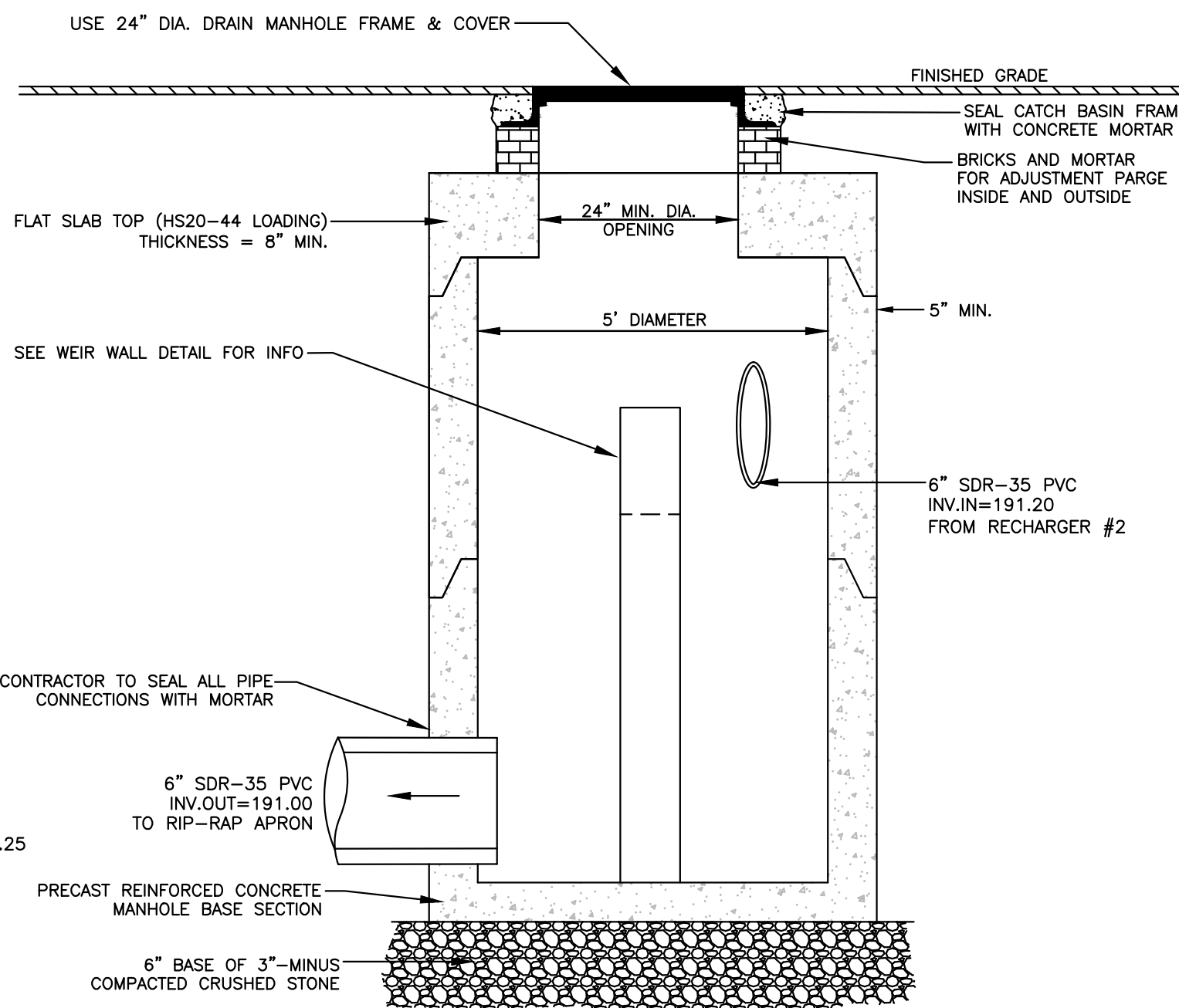
RECHARGER #1 MANIFOLD
(NO SCALE)



OCS PLAN VIEW



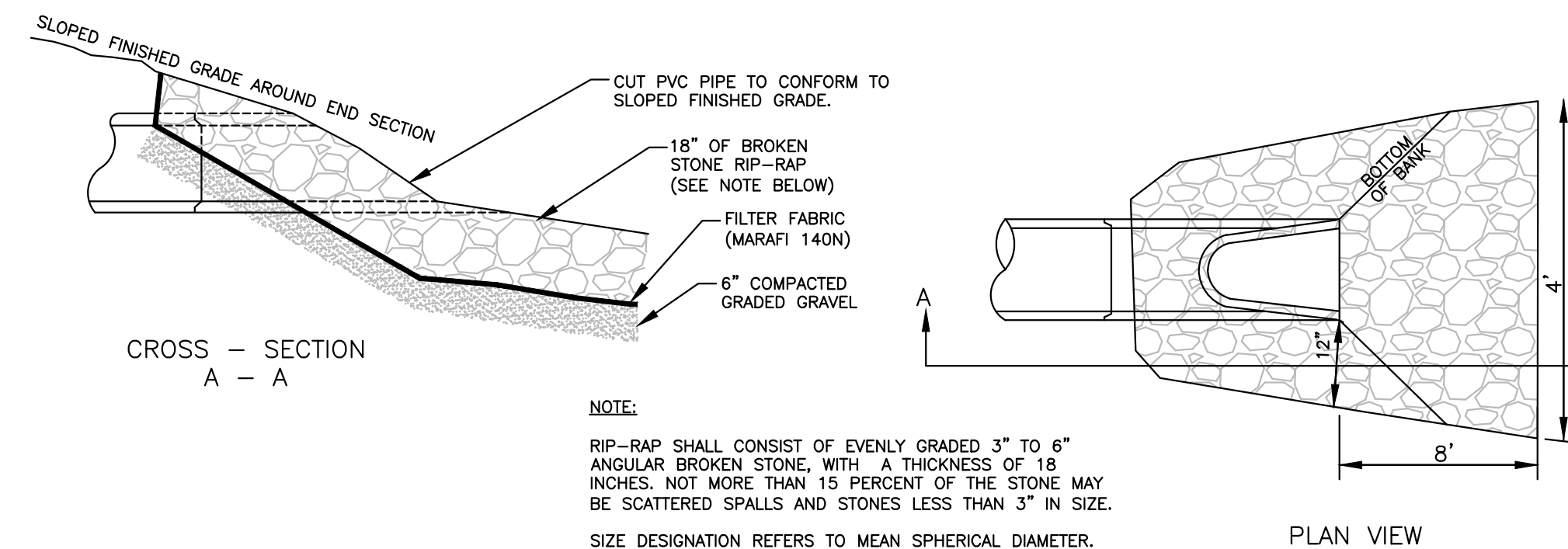
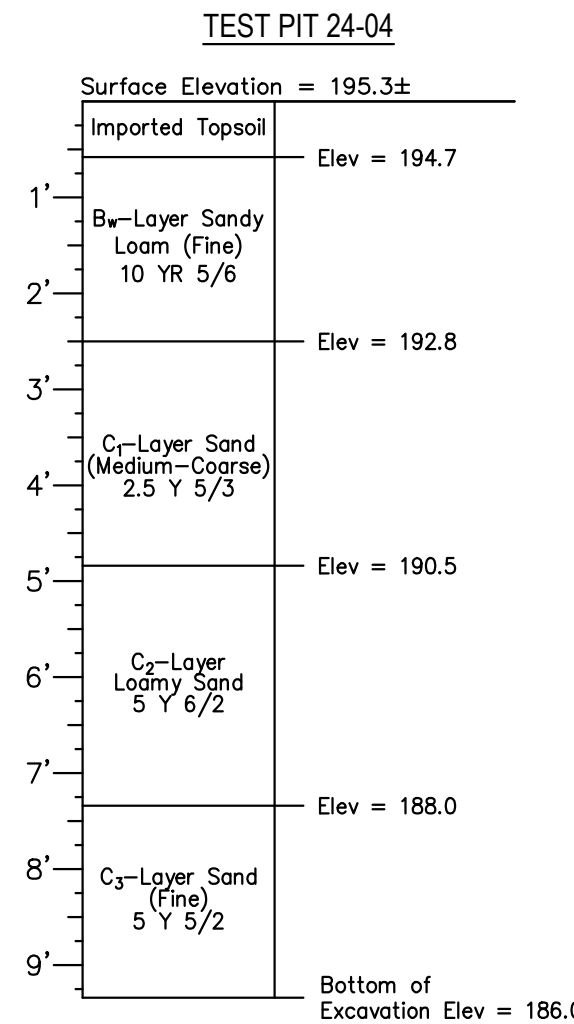
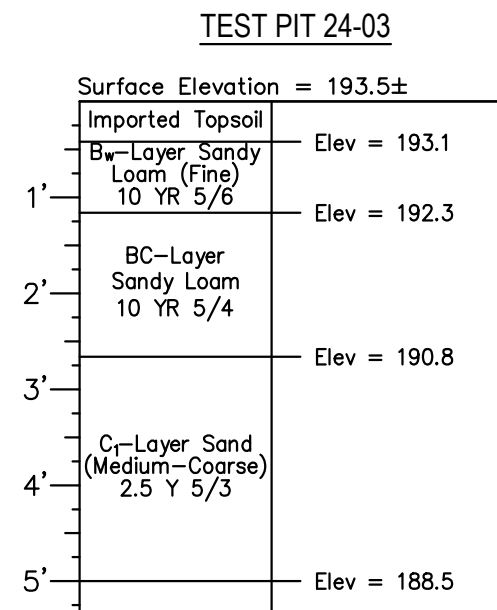
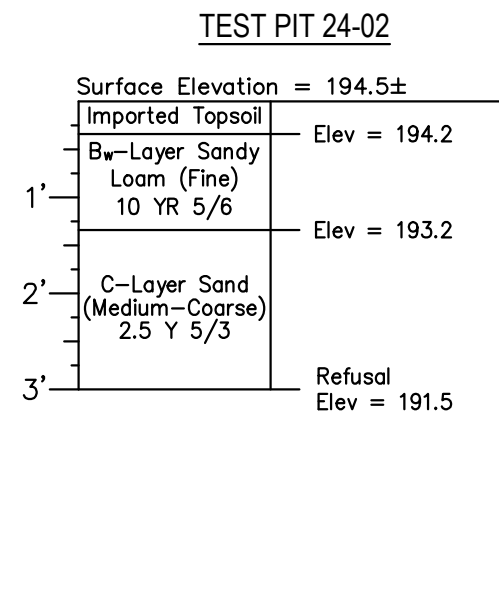
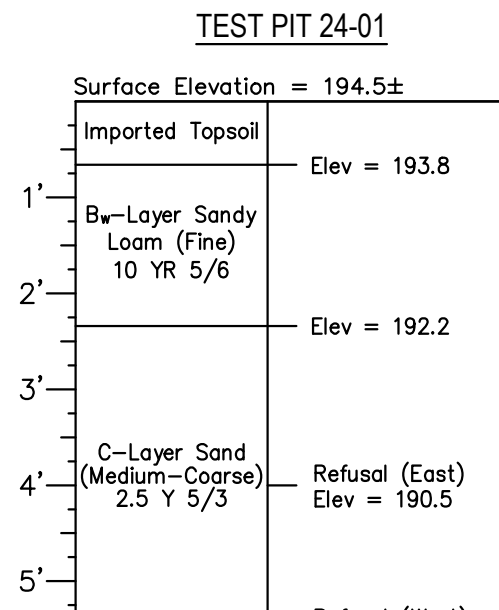
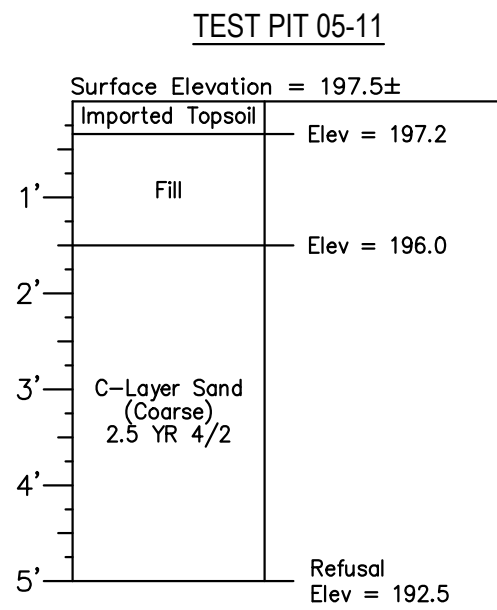
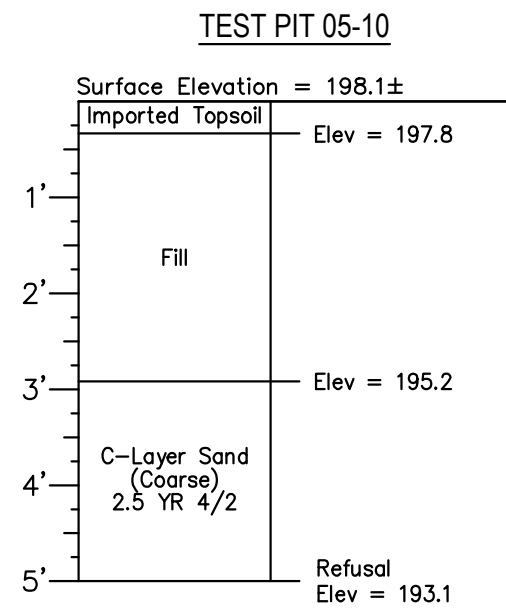
OCS WEIR WALL DETAIL



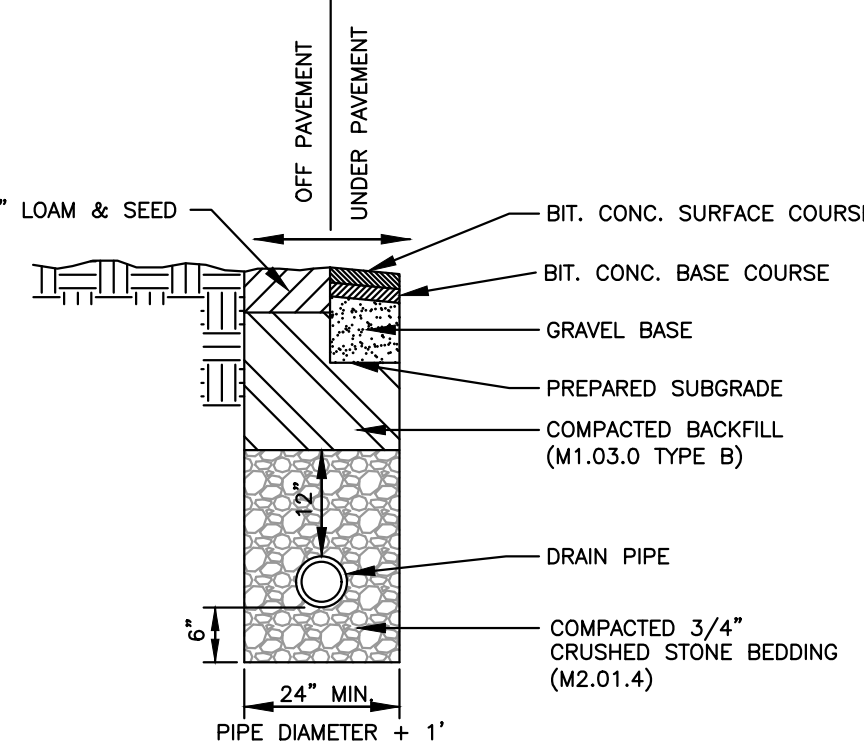
OUTLET CONTROL STRUCTURE
(NO SCALE)

SOIL TEST DATA

DATE: MAY 10, 2005
WITNESSED BY: NICOLE L. LETENDRE, P.E.
BOARD OF HEALTH REPRESENTATIVE
FOR TOWN OF HOLLISTON
SOIL EVALUATOR: BERT COREY, E.I.T.
SE 2771



FLARED END SECTION WITH RIP-RAP APRON DETAIL
(NO SCALE)



TYPICAL DRAIN PIPE
BEDDING DETAIL
(NO SCALE)

Specifications

1. Must be independently tested to the 2013 NIDEP Laboratory Protocol and 2013 ETV Canada protocol (ISO 14024:2016). Separator must be sized based on this data.
2. Any testing performed by the manufacturer is unacceptable to demonstrate an alternate equal.
3. Field Testing is unreliable, site and storm specific, and subject to compounding equipment and analytical errors and therefore is unacceptable as verification of an alternate equal. TARP verification as per NIDEP is testing consistent with the 2013 NIDEP laboratory protocol.
4. The separator must be designed based on the following criteria:

Flow Criteria	
Water Quality Flow Rate cfs (L/s)	
Peak Design Flow Rate cfs (L/s)	

TSS Removal Criteria	
Annual TSS Removal (%)	
NIDEP/ETV Canada TSS	
OK10 Sand	
City of Toronto	
Other	

Notes:

1. Headloss K factor of 1.04 for hydraulic gradeline calculations
2. Sump depths shown are typical. Additional depth can be added as required
3. Multiple inlet pipes allowed
4. Drops allowed
5. Inlet invert elevations should be the same or higher than the outlet invert elevation. Inlet can be up to 12" (300 mm) lower than outlet if pretreatment area is omitted but 12" (300 mm) must be added to sump depth to maintain overall treatment volume.
6. Solid Cover shown. HydroStorm can be designed with an inlet grate if required.
7. Oil capacities given are spill capacities.
8. Sediment depths are maximum holding capacities and not recommended capacities for regular maintenance.
9. Capacities are rounded down to nearest 5 gal or 19 L (11 or 0.1 m3 for metric units)
10. Base Extensions not provided on standard units larger than the HS 6. Extensions can be provided if required due to groundwater/buoyancy concerns at the request of the engineer of record.
11. HS4 to HS6 models require one frame and cover; HS7 to HS12 models require two covers

HydroStorm Components

- A. Perforated Scour Plate
- B. Outlet Disk
- C. Pretreatment Disk
- D. Inner Chamber
- E. By-Pass Weir
- F. Frame and Cover (1-2)
- G. Inlet and Outlet Pipes
- H. Structure Diameter
- I. Base Extension (HS4-HS6)
- K. Sump Depth

HydroStorm by Hydroworks, LLC
US Patent No. 10,710,907
www.hydroworks.com
888-290-7900

HydroStorm Dimensions / Capacities									
Model	Diameter (ft)	Flow (cfs)	Flow (L/s)	Flow (gpm)	Flow (m3/min)	Oil Spill Volume (gal)	Sediment Volume (cu ft)	Total Volume (gal)	Total Volume (m3)
HS 3	3 (0.9)	3 (0.9)	1.5 (0.45)	18 (450)	40 (155)	10 (0.35)	155 (600)		
HS 4	4 (1.2)	4 (1.2)	2 (0.6)	24 (600)	95 (375)	30 (0.85)	375 (1420)		
HS 5	5 (1.5)	5 (1.5)	2.5 (0.8)	30 (750)	165 (635)	60 (1.8)	730 (2780)		
HS 6	6 (1.8)	6 (1.8)	3 (0.9)	36 (900)	270 (1020)	110 (3.2)	1265 (4800)		
HS 7	7 (2.1)	6.5 (2.0)	3.5 (1.0)	42 (1050)	410 (1560)	160 (4.6)	1870 (7080)		
HS 8	8 (2.4)	7 (2.1)	4 (1.2)	48 (1200)	615 (2330)	220 (6.2)	2630 (9960)		
HS 10	10 (3.0)	9 (2.7)	5 (1.5)	60 (1500)	1130 (4285)	465 (13.1)	5285 (20015)		
HS 12	12 (3.6)	11 (3.3)	6 (1.8)	72 (1800)	1875 (7100)	835 (23.7)	9305 (35225)		

Hydroworks HydroStorm

PROJECT: _____
LOCATION: _____
REVISION DATE: 08/07/2020

Hydroworks

RECORD OWNER / APPLICANT:

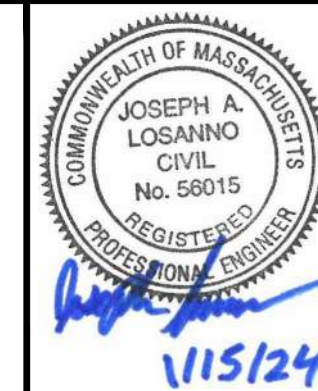
AJR CONSTRUCTION INC.

PARCEL ID:

009.0-0001-0071.0

ISSUED FOR:

PERMITTING



NO. APP DATE DESCRIPTION

DATE: JANUARY 15, 2024

SCALE: AS NOTED

DESIGN: JAL DRAFTED: JAL CHECKED: BEC

PROJECT TITLE:

RESIDENTIAL
SITE PLAN

15 FISKE POND ROAD
HOLLISTON, MA 01746

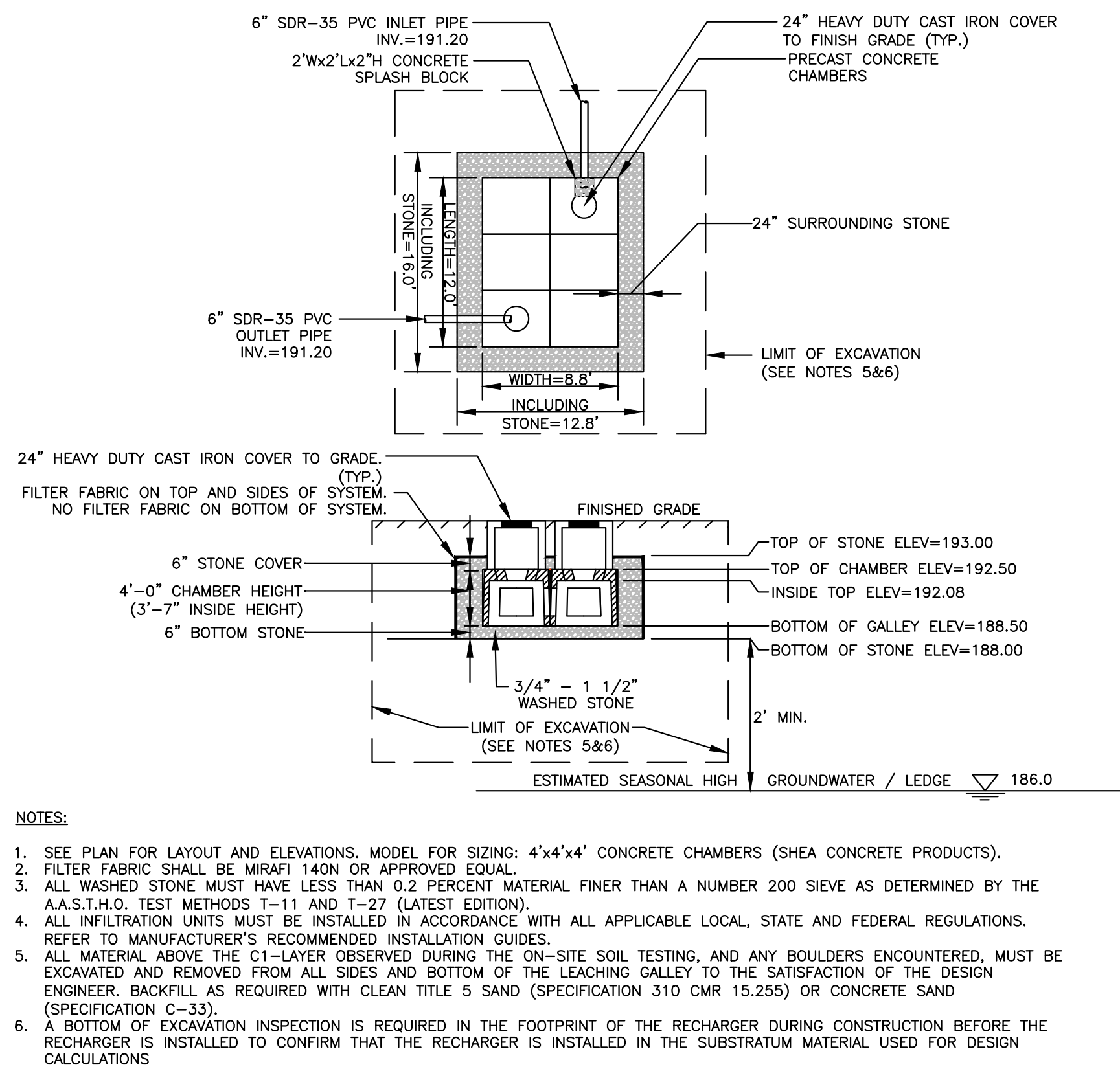
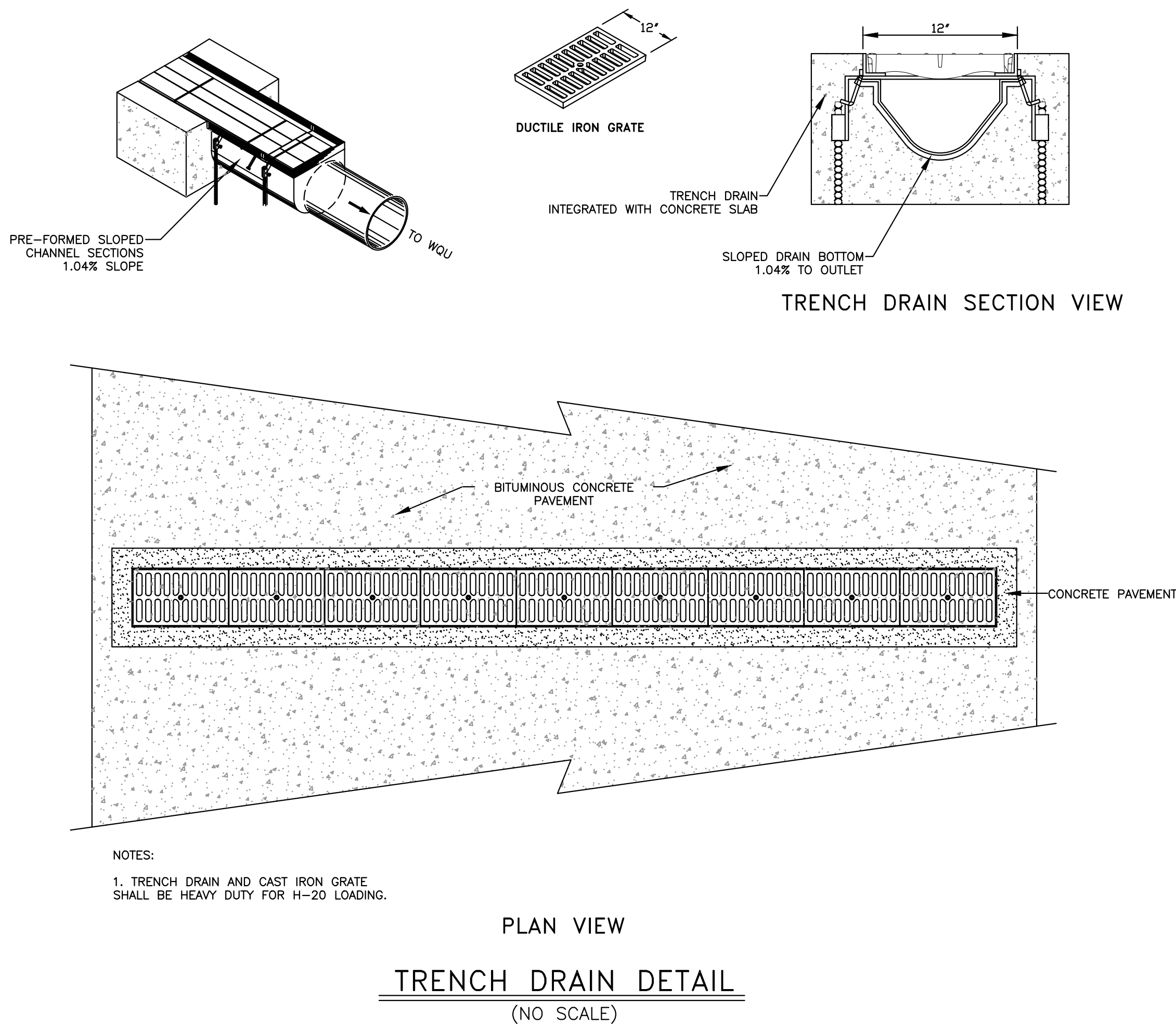
SHEET TITLE:

EROSION & SEDIMENT
CONTROL PLAN, NOTES
& DETAILS

SHEET:
3 OF 4

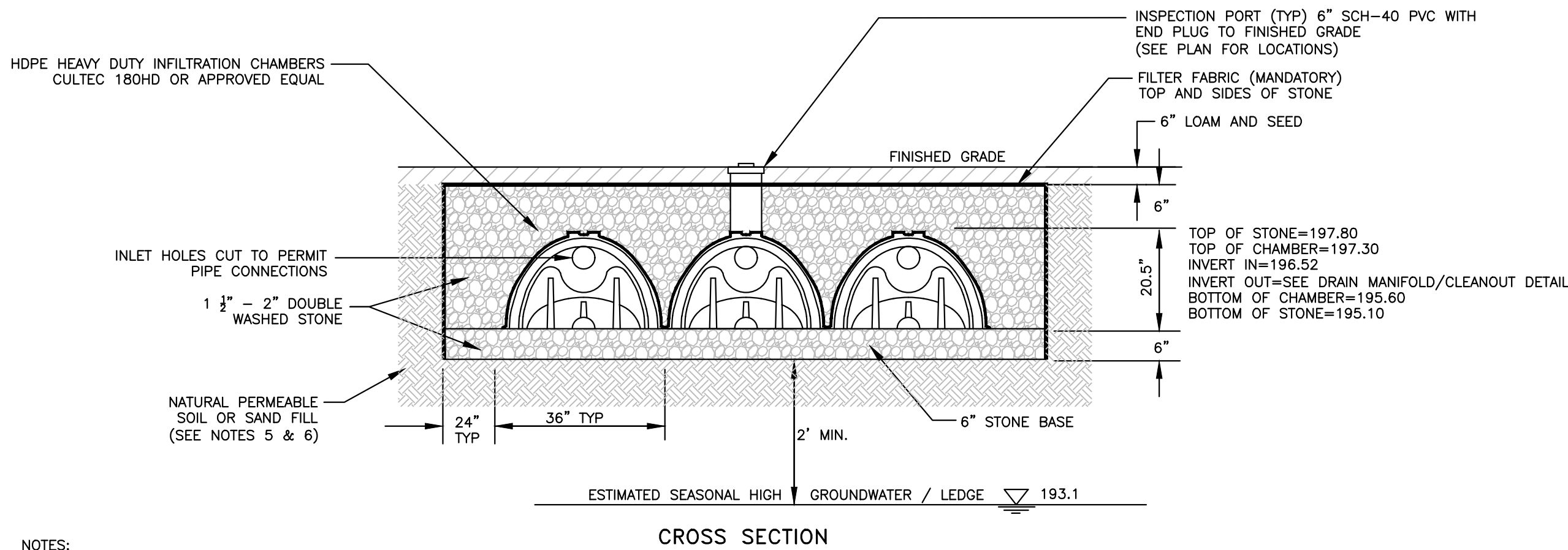
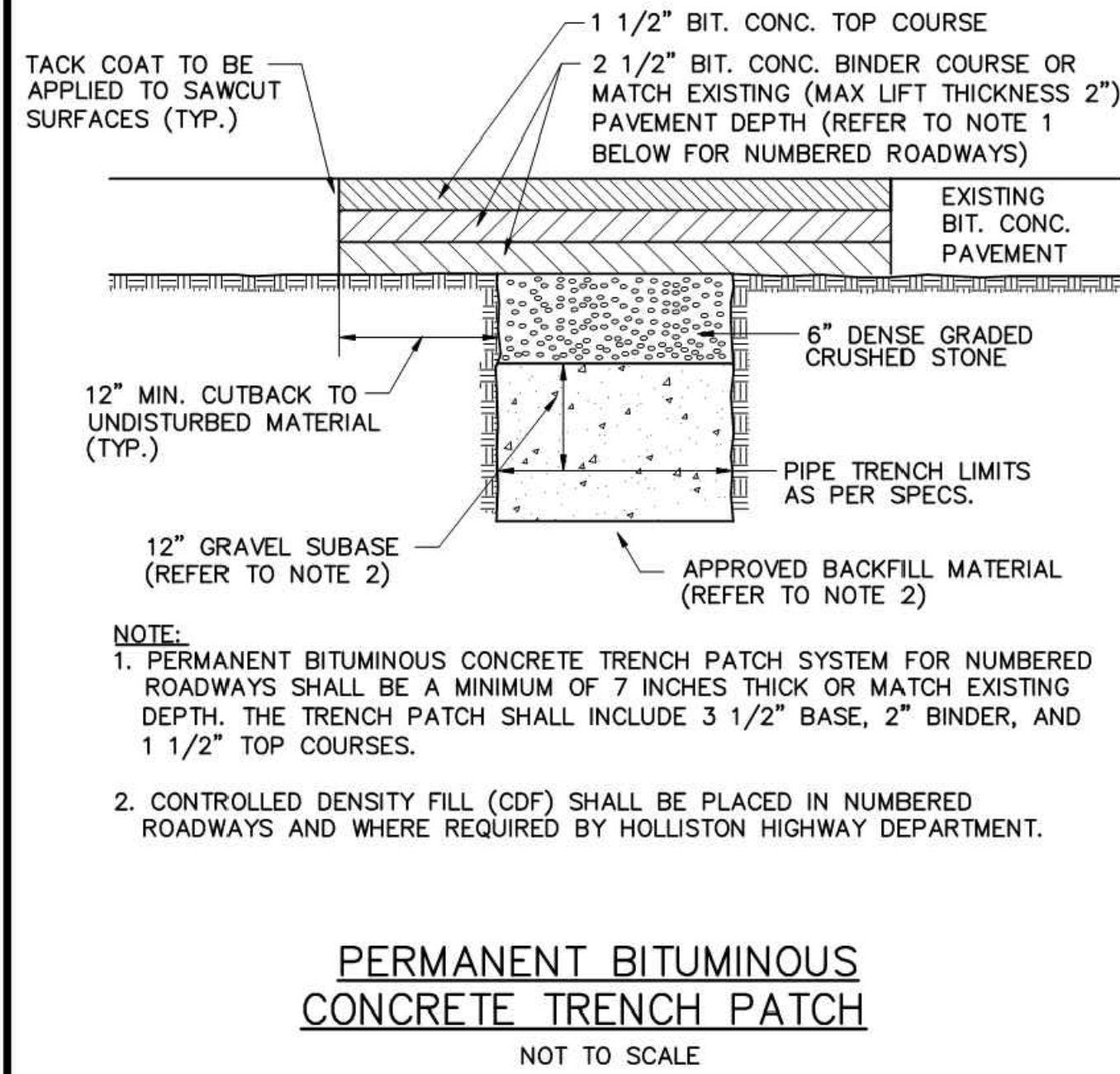
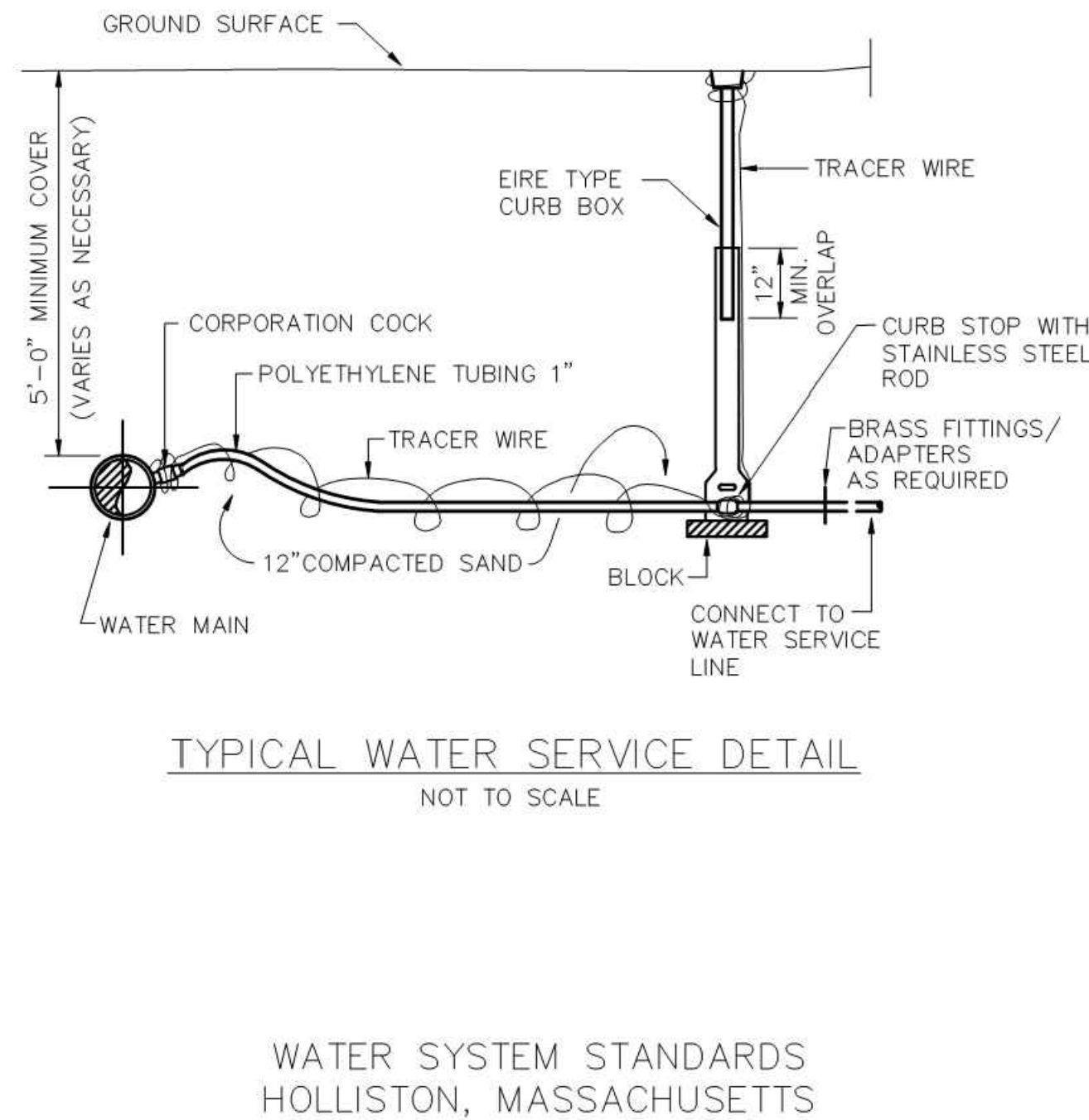
PROJECT NO.:
25868

C-3



RECHARGER #2 DETAIL

(NO SCALE)



RECHARGER #1 DETAIL

(NO SCALE)

NO.	APP	DATE	DESCRIPTION

**RESIDENTIAL
SITE PLAN**

**15 FISKE POND ROAD
HOLLISTON, MA 01746**

**EROSION & SEDIMENT
CONTROL PLAN, NOTES
& DETAILS**