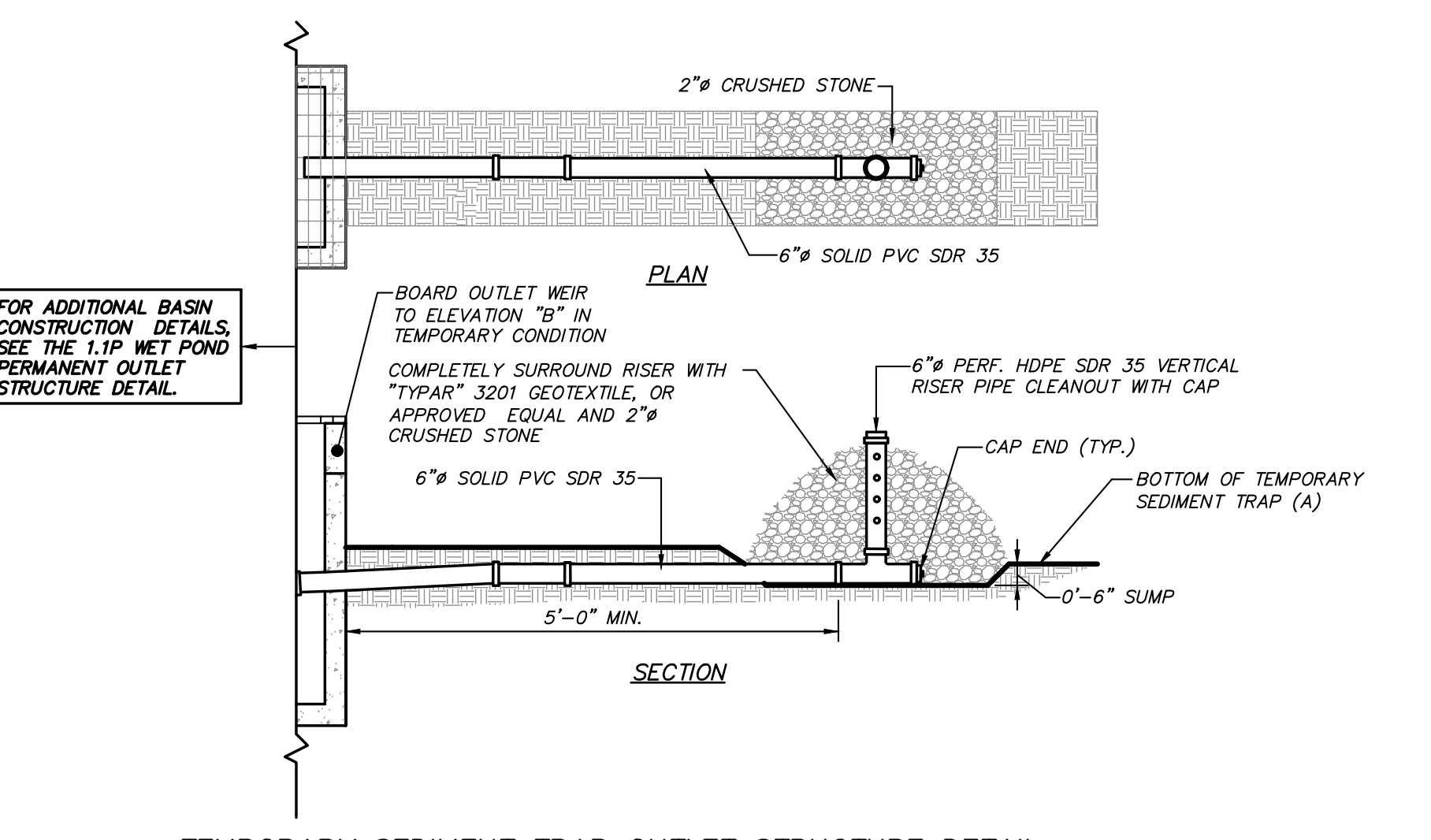
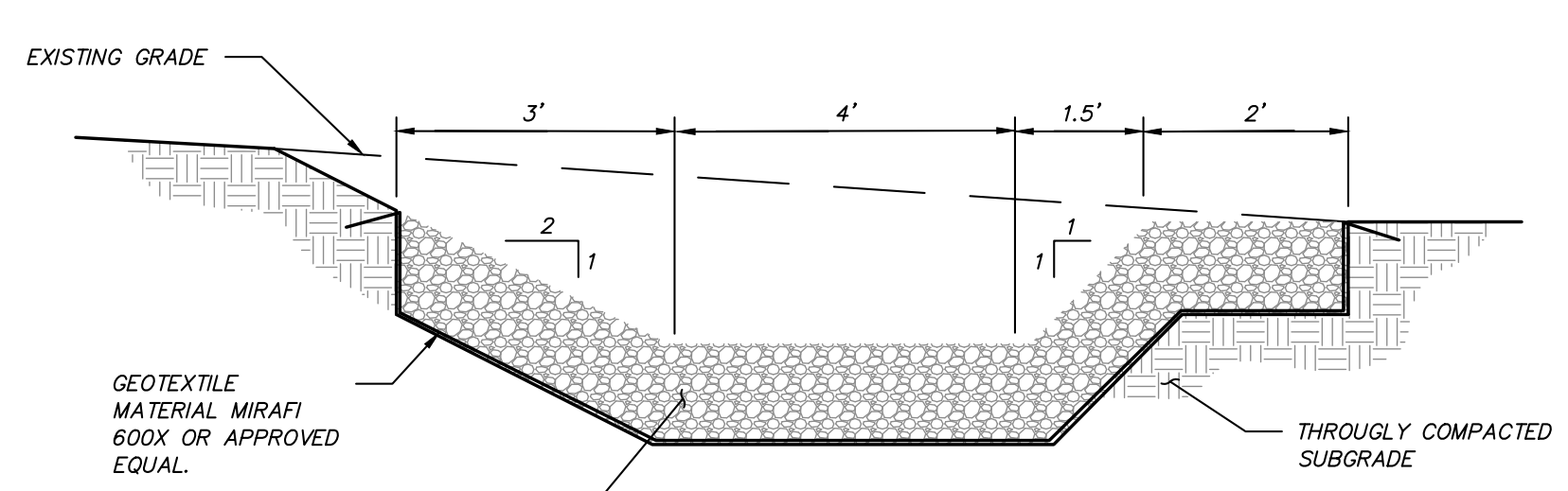


1.1P WET POND (NYSDEC DESIGN P-2) PERMANENT OUTLET STRUCTURE DETAIL (N.T.S.)



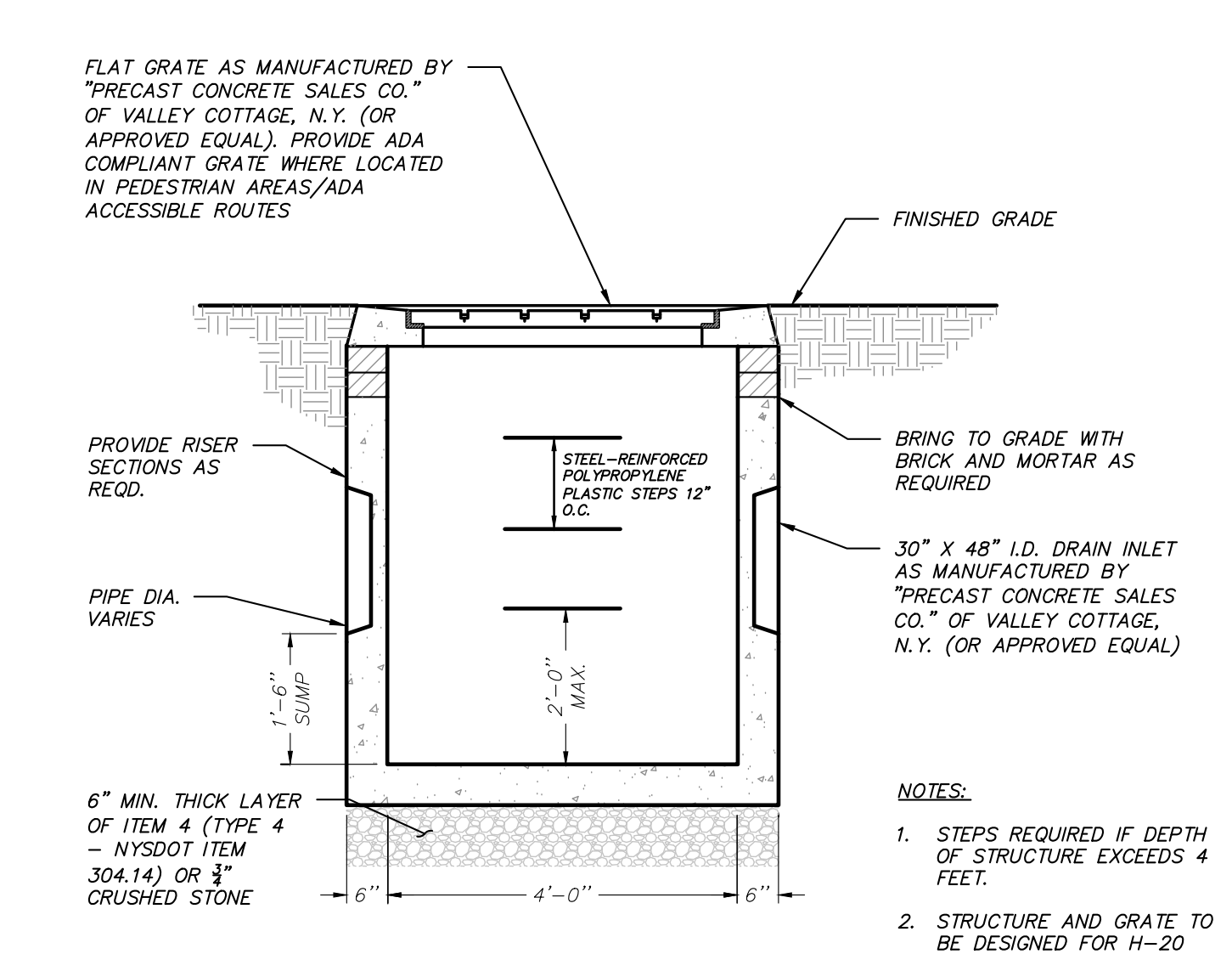
TEMPORARY SEDIMENT TRAP OUTLET STRUCTURE DETAIL (N.T.S.)



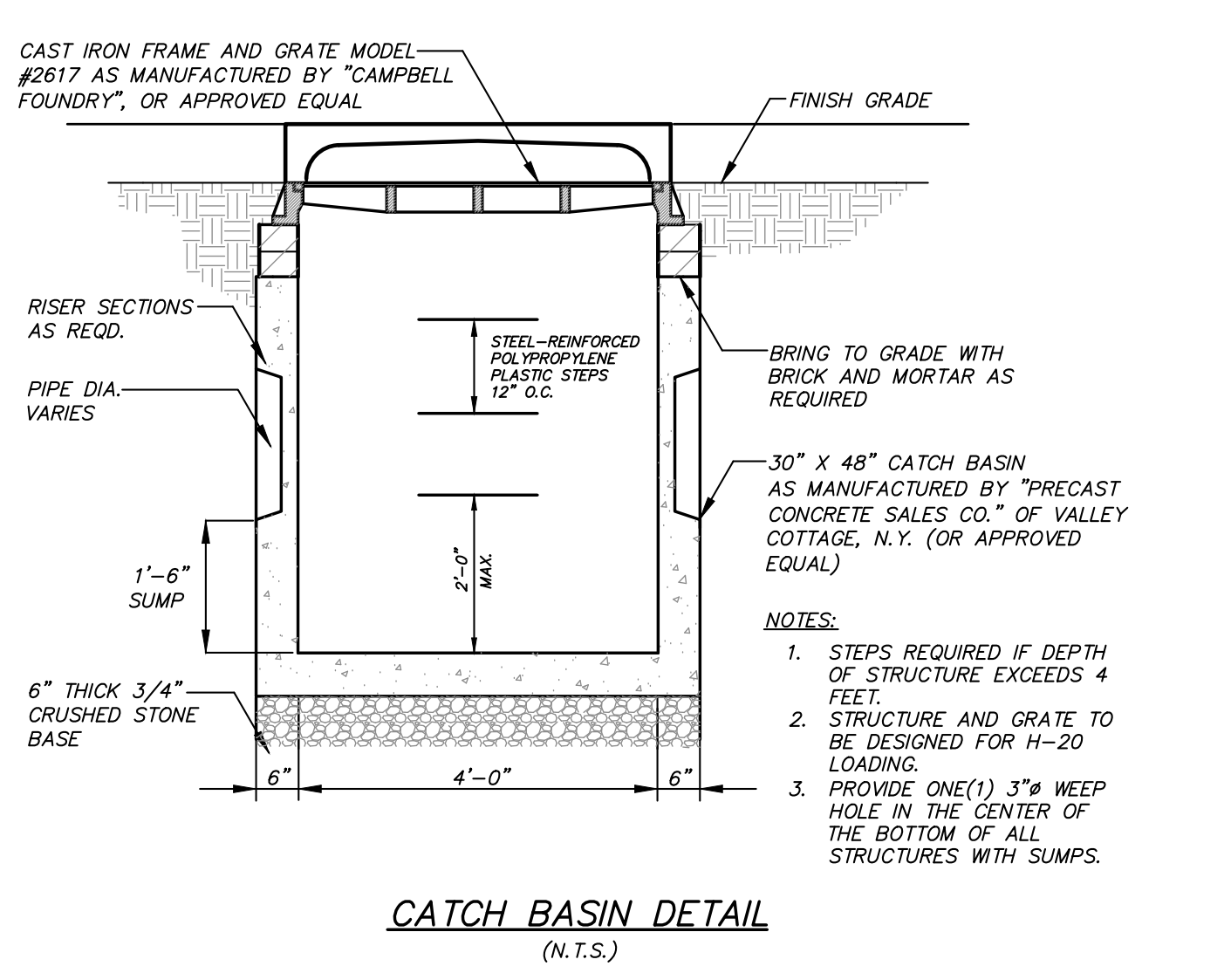
LEVEL SPREADER DETAIL (N.T.S.)

WET POND OUTLET NOTES

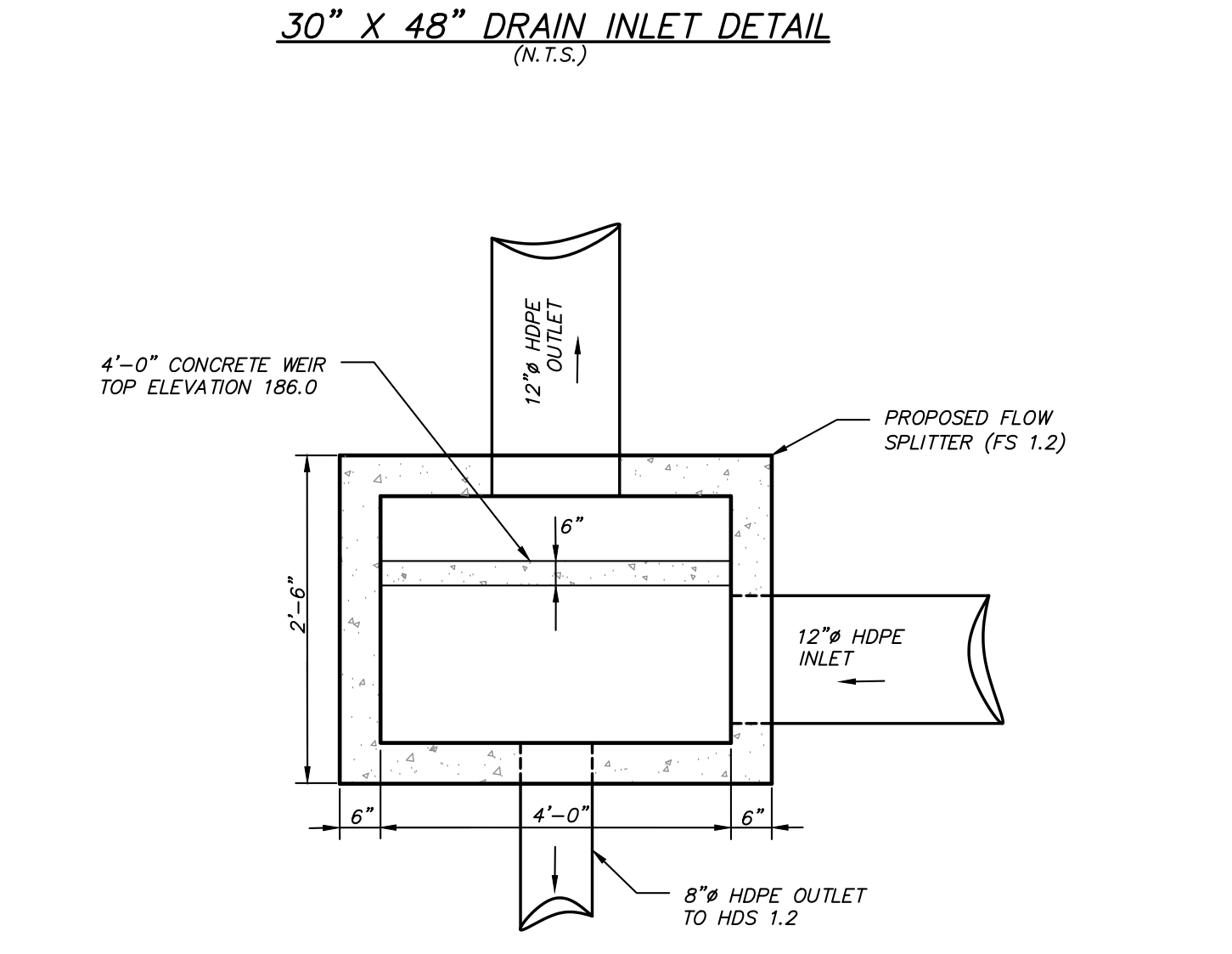
1. THE WET POND (1.1P) BASIN IS PROPOSED TO BE UTILIZED AS TEMPORARY SEDIMENT BASINS DURING CONSTRUCTION.
2. AFTER THE CONTRIBUTING AREAS TO THE BASIN HAVE BEEN PERMANENTLY STABILIZED, THE FOLLOWING SHALL BE ACCOMPLISHED:
 - A. CLEAN BASIN AND OUTLET STRUCTURE AND REMOVE 6" PERFORATED VERTICAL RISER PIPE, CRUSHED STONE AND FILTER FABRIC.
 - B. ADD THREADED CAP WITH ORIFICE AT DISCHARGE END OF 6" SOLID PVC SDR 35 PIPES PER DETAIL.
 - C. REPLACE THE PERFORATED PIPE AND CRUSHED STONE. DO NOT REPLACE FILTER FABRIC.
 - D. ESTABLISH THE FINAL VEGETATION IN THE BASIN IN ACCORDANCE WITH THE TYPICAL P-2 WET POND BASIN PLANTING DETAIL.
3. FOLLOWS: * WHEN INITIALLY USED AS THE TEMPORARY SEDIMENT BASIN DEWATERING DEVICE THE RISER SHALL BE WRAPPED WITH TYPAR 3201 GEOTEXTILE OR APPROVED EQUAL AND SURROUNDED WITH 2" STONE. THE TOP OF THE RISER SHALL BE SET AT THE SAME ELEVATION AS THE WEIRS AS SHOWN IN THE STORMWATER BASIN OUTLET STRUCTURE DETAILS.



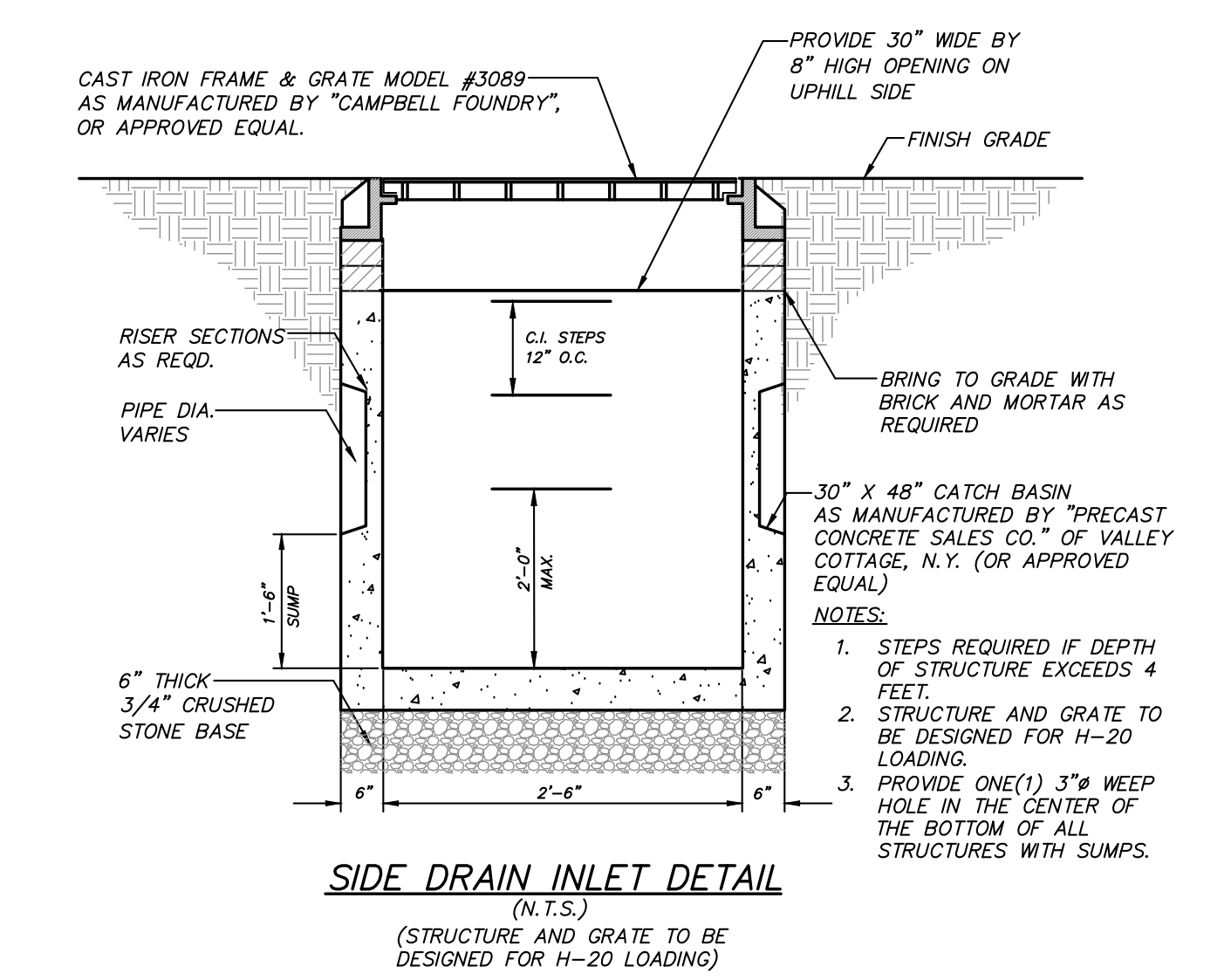
30" X 48" DRAIN INLET DETAIL (N.T.S.)



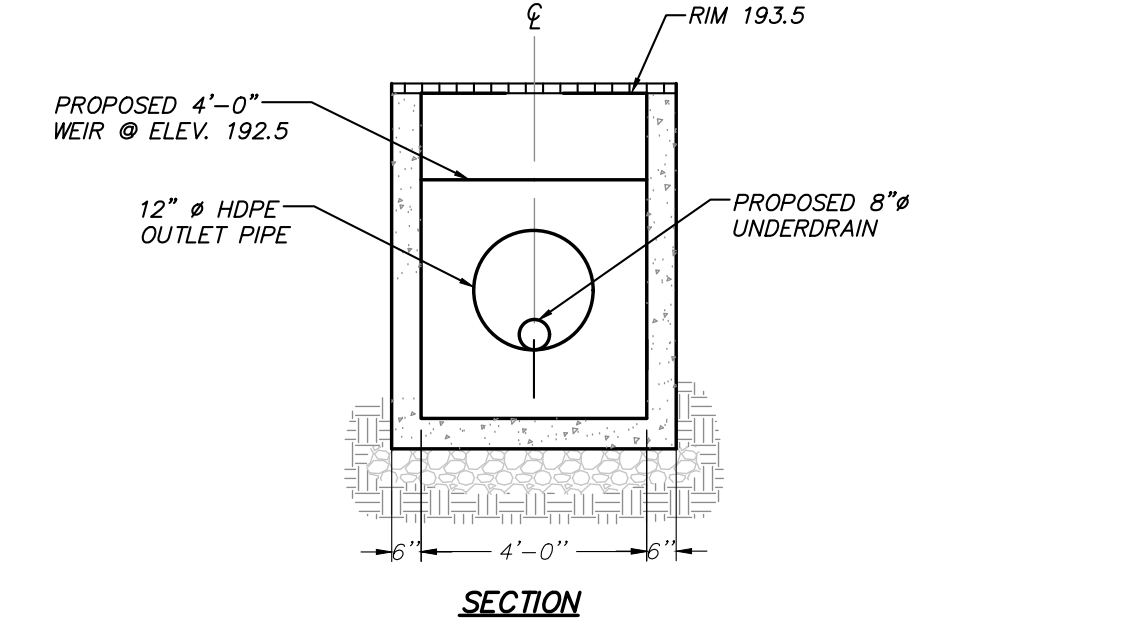
CATCH BASIN DETAIL (N.T.S.)



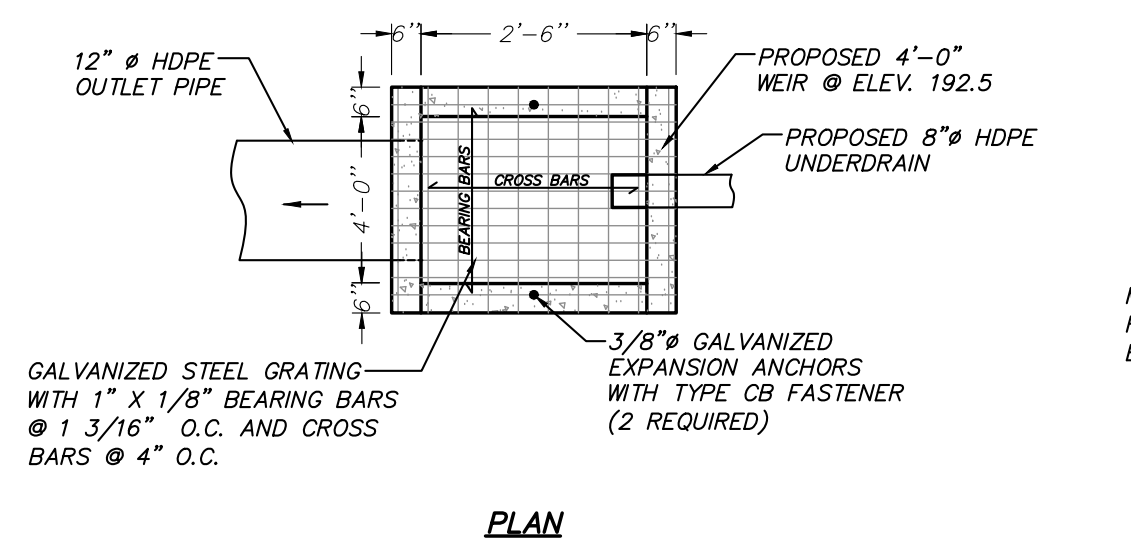
30" X 48" DRAIN INLET DETAIL (N.T.S.)



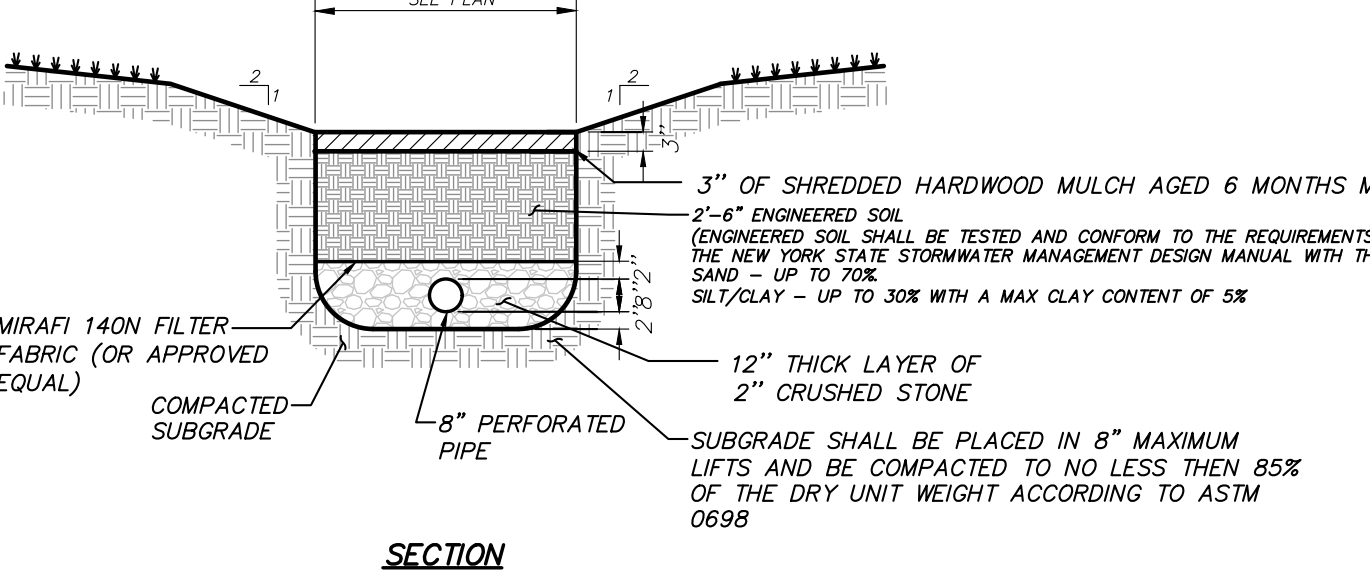
SIDE DRAIN INLET DETAIL (N.T.S.)



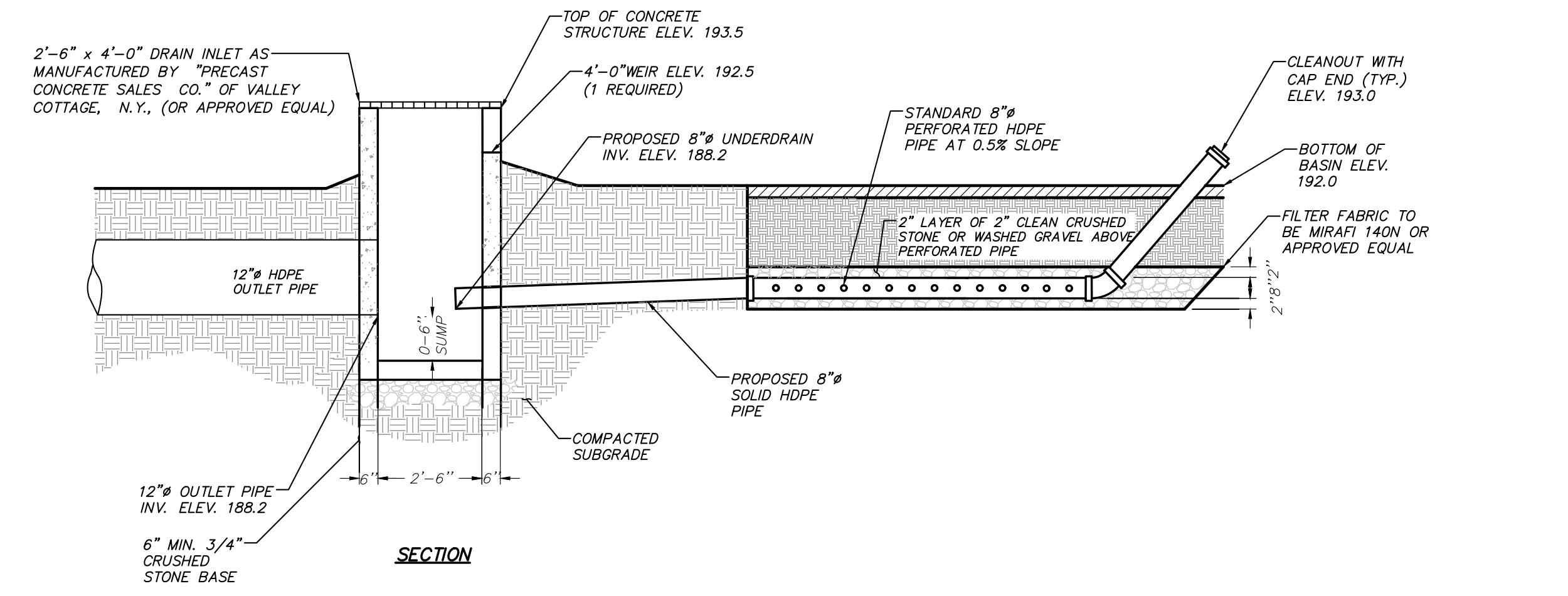
SECTION



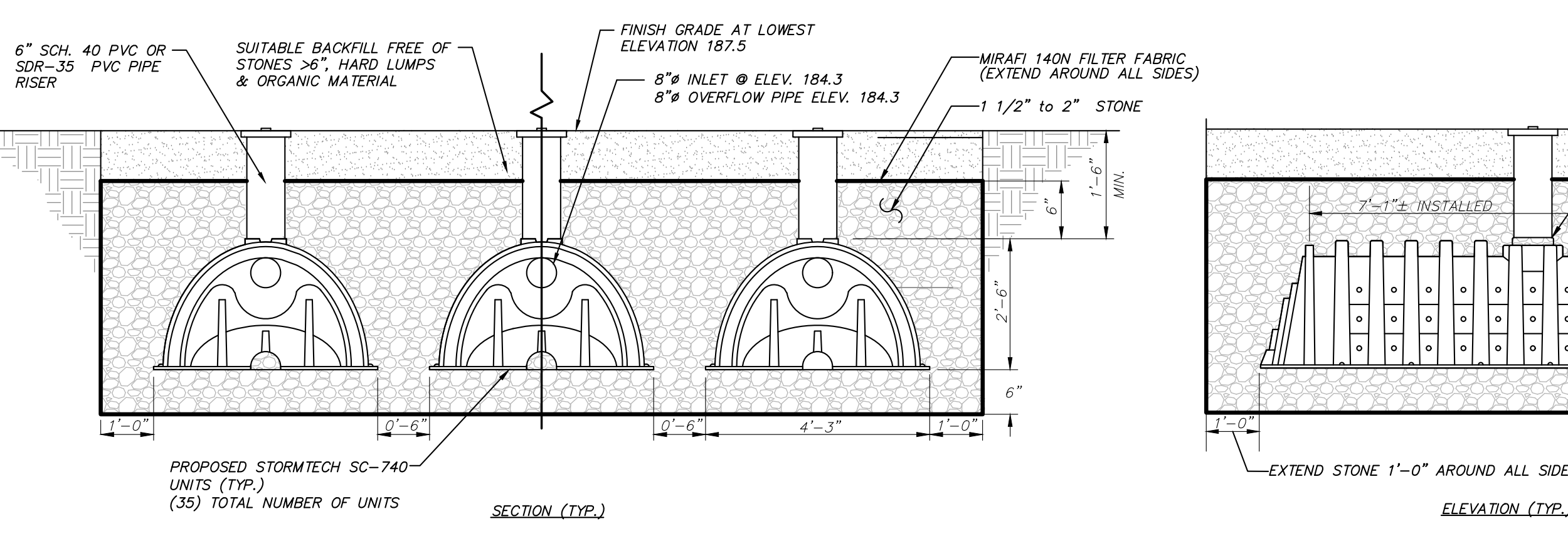
PLAN



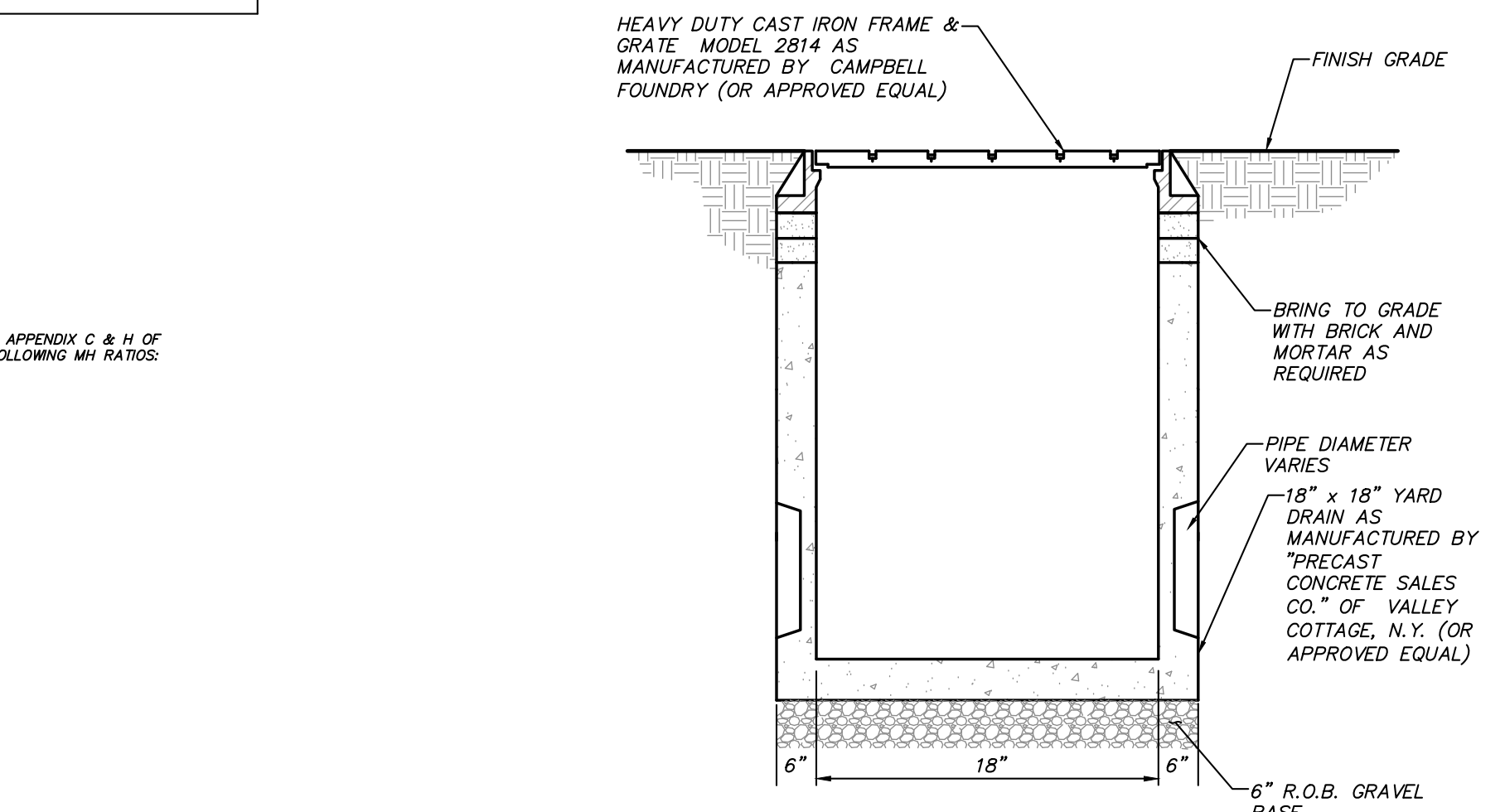
SECTION



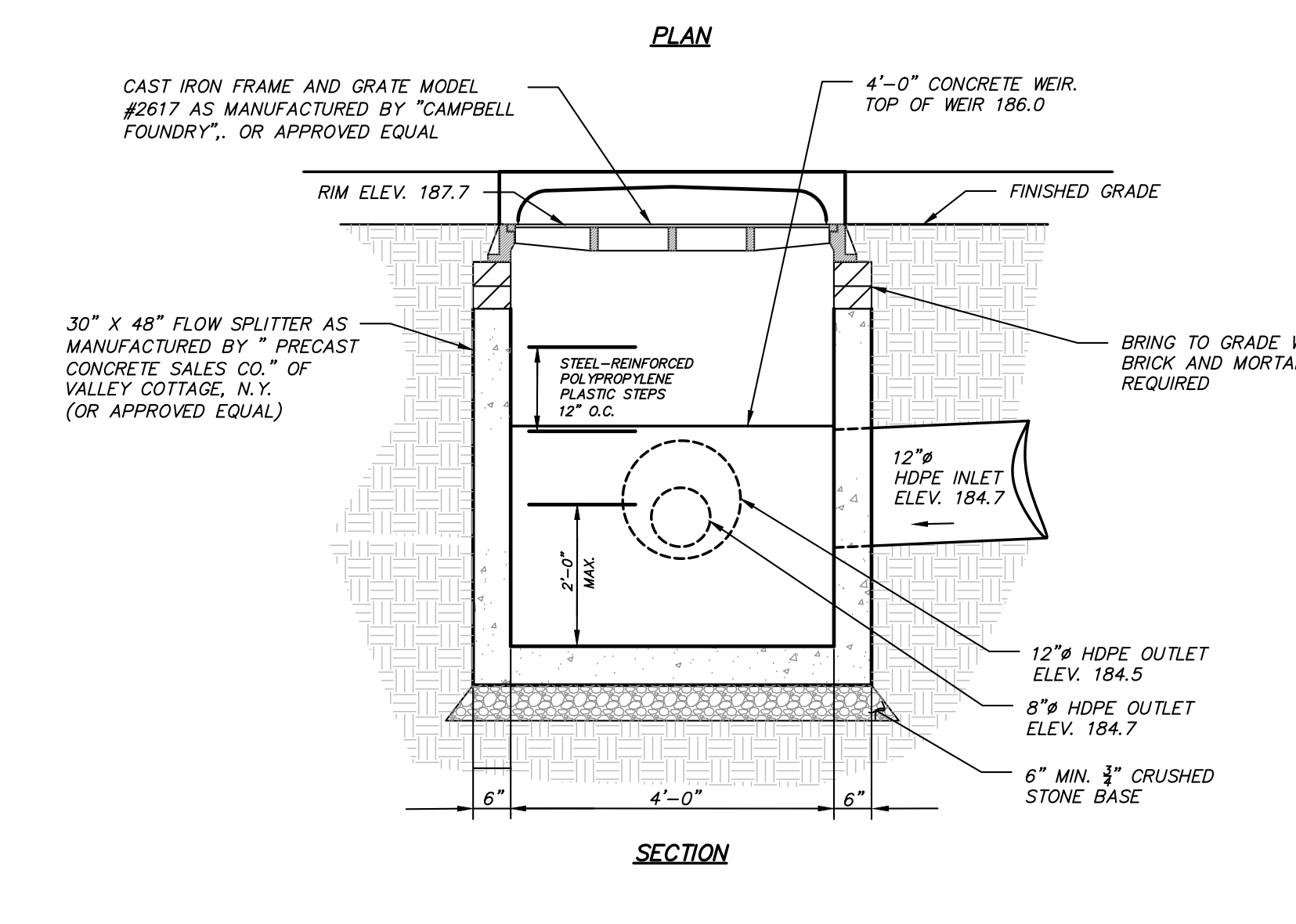
BIORETENTION FILTER OUTLET STRUCTURE DETAIL (NYSDEC DESIGN F-5) (N.T.S.)



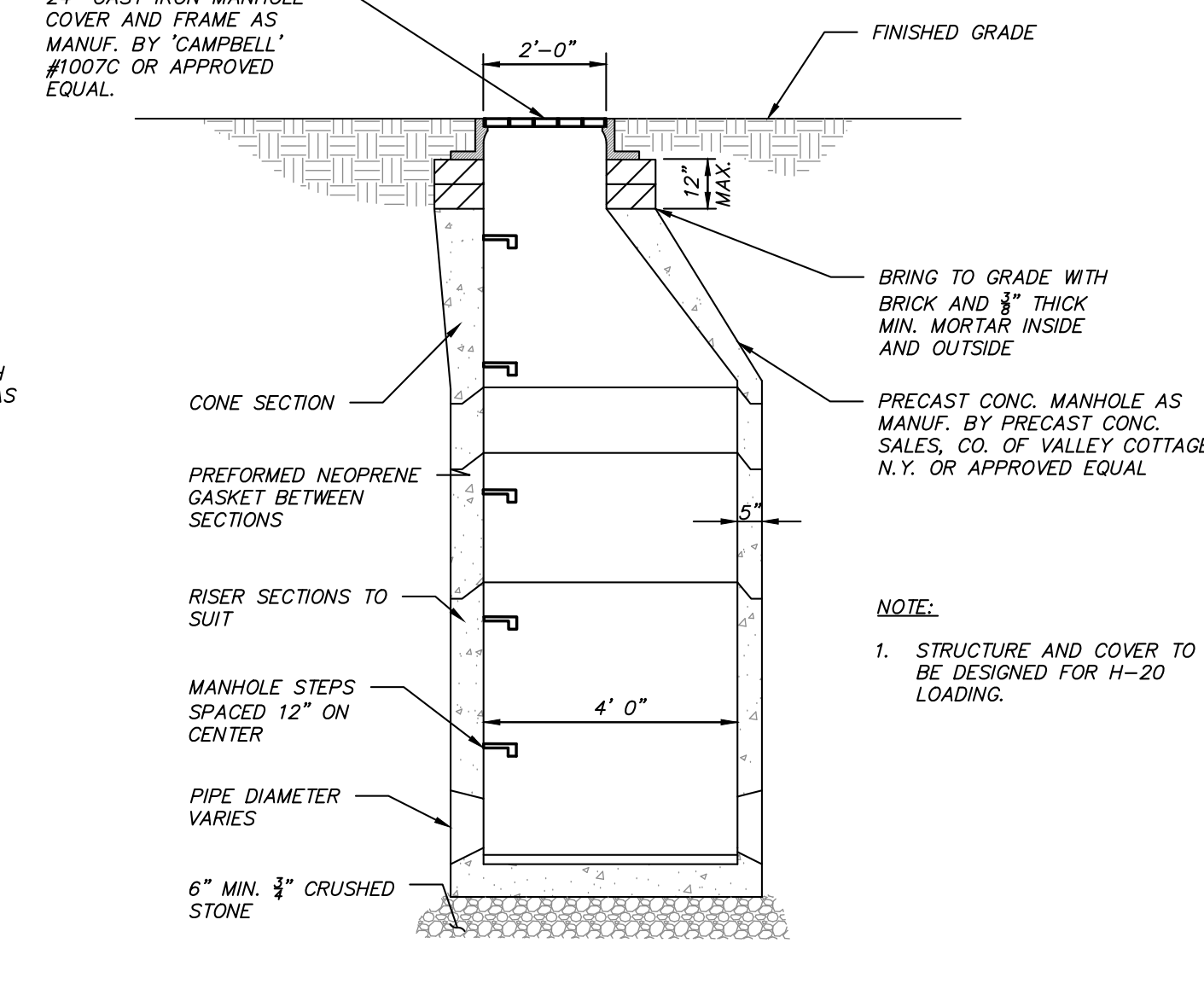
STORMWATER INFILTRATION SYSTEM 1.2P (NYSDEC DESIGN I-4) DETAIL (N.T.S.)



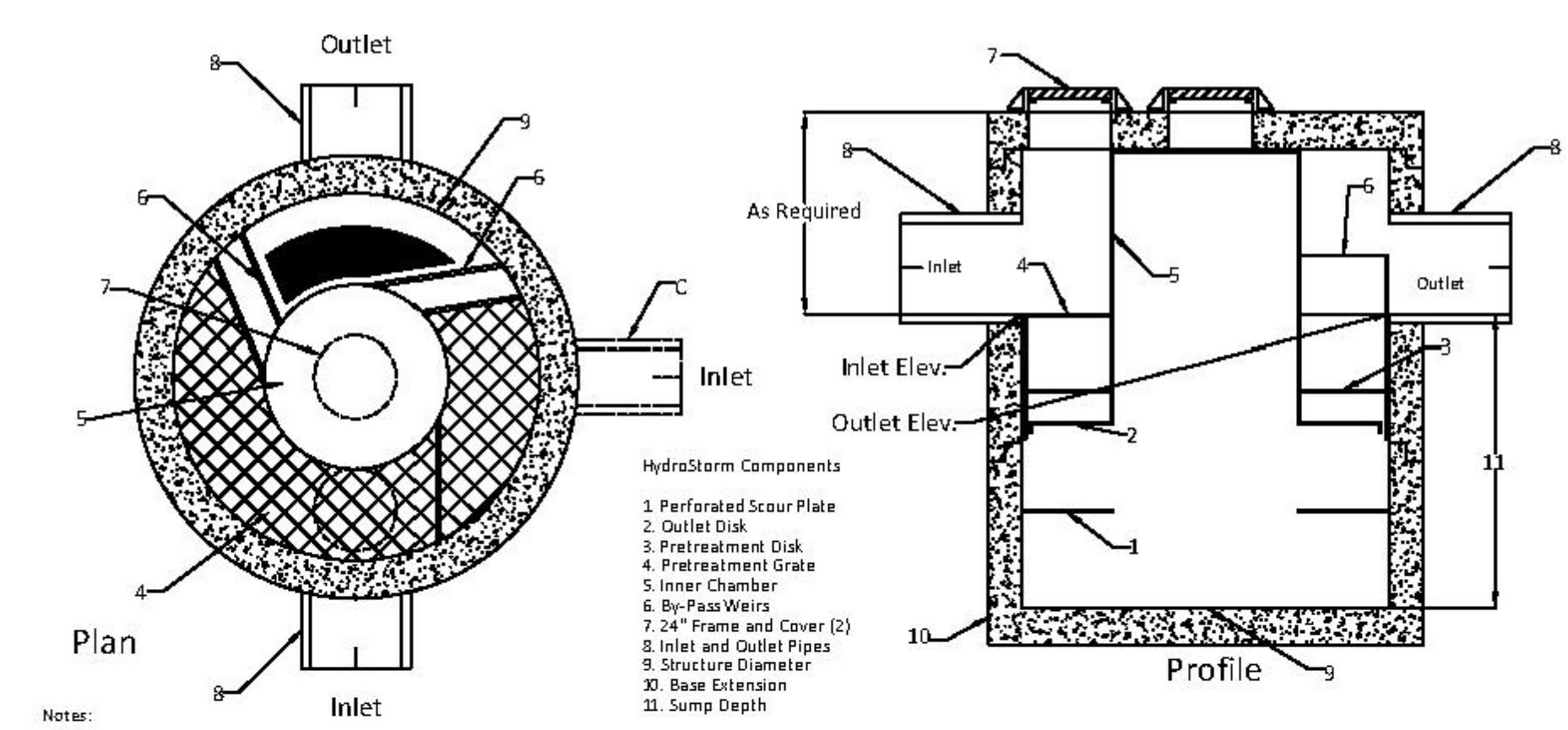
18" X 18" YARD DRAIN DETAIL (N.T.S.)



FLOW SPLITTER FS 1.2 DETAIL (N.T.S.)



DRAINAGE MANHOLE DETAIL (N.T.S.)



HDS 1.2 HYDROWORKS HYDROSTORM HS.6 HYDRODYNAMIC SEPARATOR DETAIL (N.T.S.)

Hydrostorm Components

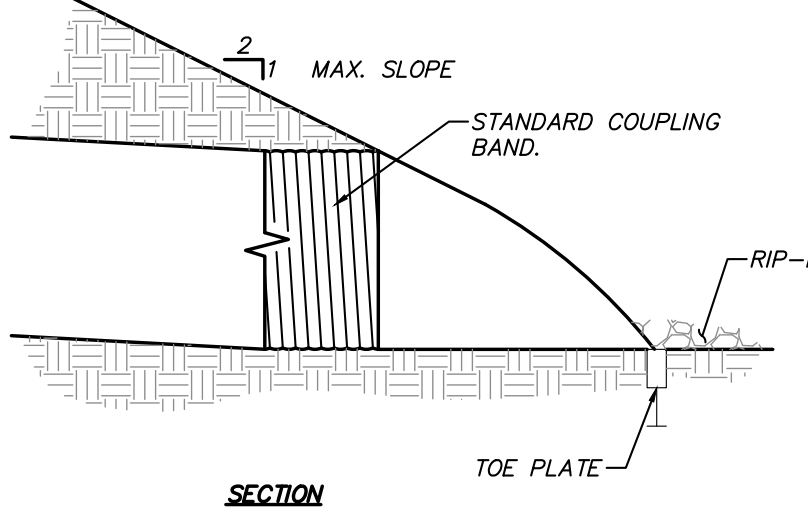
1. Perforated Scuri Plate
2. Outlet Disk
3. Pretreatment Disk
4. Pretreatment Grate
5. Inner Chamber
6. Rip-Rap/Walls
7. 24" Frame and Cover (2)
8. Inlet and Outlet Pipes
9. Structure Diameter
10. Base Extension
11. Sump Depth

Note:

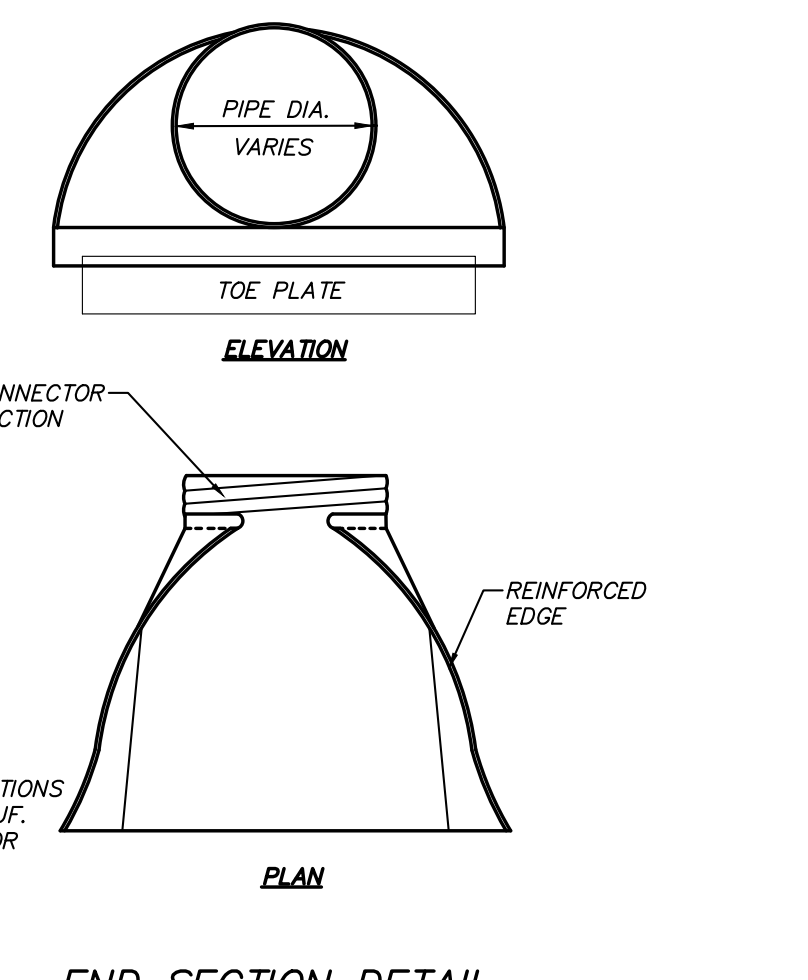
- Use a headloss K factor of 3.04 for hydraulic gradient calculations.
- Sump depths shown are minimum. Additional depth can be added for site specific capacities.
- Multiple inlet pipes allowed.
- Drops allowed.
- Inlet invert elevations should be the same or higher than the outlet invert elevation. Inlet can be up to 32" lower than outlet if pretreatment area is omitted but 12" must be added to sump depth if maximum overall treatment volume.
- Solid Cover shown. Hydrostorm can be designed with an inlet grate if required.
- Oil capacities given are split capacities. Oil should be removed from the inlet once at a depth of 2" or more is measured in the inner chamber.
- Sediment depths are maximum holding capacities and not recommended capacities for regular maintenance. Maintenance is recommended monthly or once every 3 years.
- Capacities are rounded down to nearest 5 gallon h³.
- Base Extension not provided on standard units. Extensions can be provided if required due to groundwater/basement concerns at the request of the engineer of record.

Hydrostorm by Hydroworks, LLC
Patent Pending
www.hydroworks.com
888-290-7900

Hydrostorm Dimensions / Capacities							
Model	Diameter (ft)	Sump Depth (ft)	Inner Chamber (ft)	Max. Pipe (ft)	Volume (gal)	Oil (gal)	Sediment (ft ³)
HS 7	7	6	3.5	42	1725	410	140
HS 8	8	7	4	48	2630	635	220
HS 9	9	7.5	4.5	54	3565	850	295
HS 10	10	8	5	60	4700	1130	385
HS 12	12	9.5	6	72	8035	1875	665



DRAINAGE LINE TRENCH DETAIL (N.T.S.)



END SECTION DETAIL (N.T.S.)

1	4-28-20	RESUBMISSION TO PLANNING BOARD	JFR
NO.	DATE	REVISION	BY
PROJECT:			
DRAWING:		BEACON VIEWS CITY OF BEACON, DUTCHESS COUNTY, NEW YORK	
PROJECT NUMBER		19131.100	
PROJECT MANAGER		J.J.C.	
DATE		8-27-19	
DRAWN BY		J.F.R.	
SCALE		AS NOTED	
CHECKED BY		A.D.T.	
DRAWING NO.		D-5	
SHEET		11	

ALTERATION OF THIS DOCUMENT, UNLESS UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, IS A VIOLATION OF SECTION 7209 OF ARTICLE 145 OF THE EDUCATION LAW.