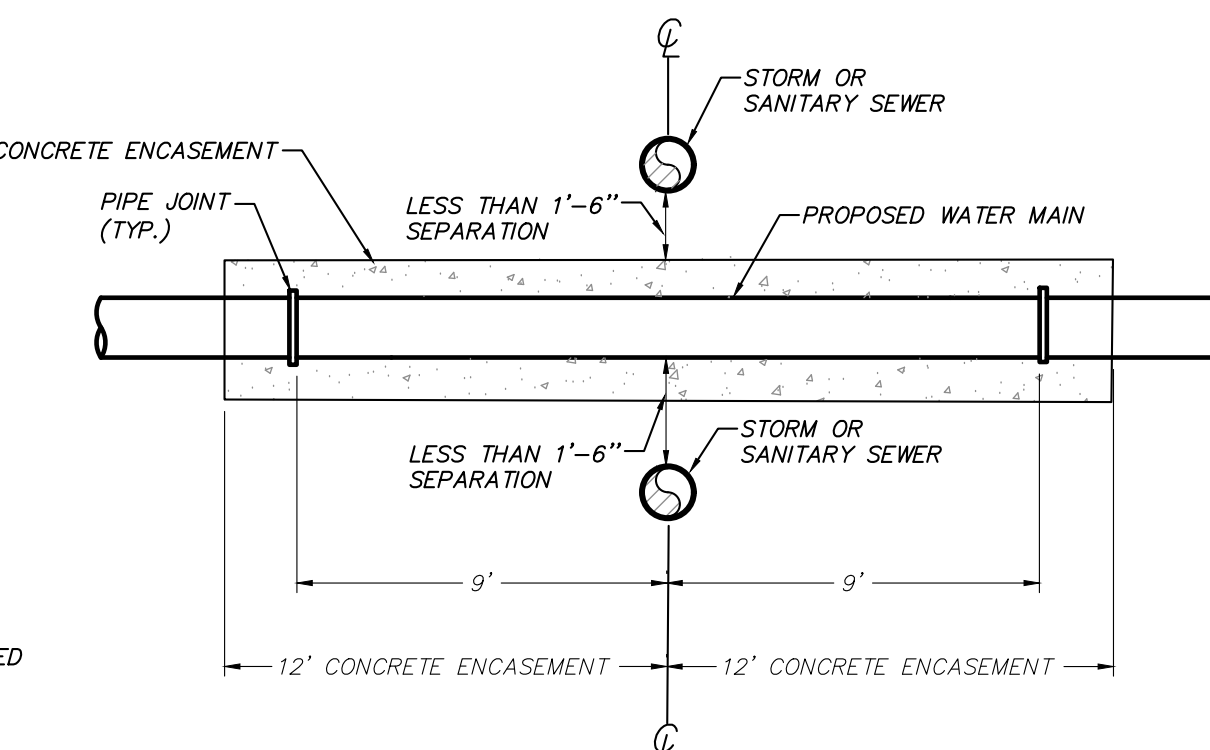
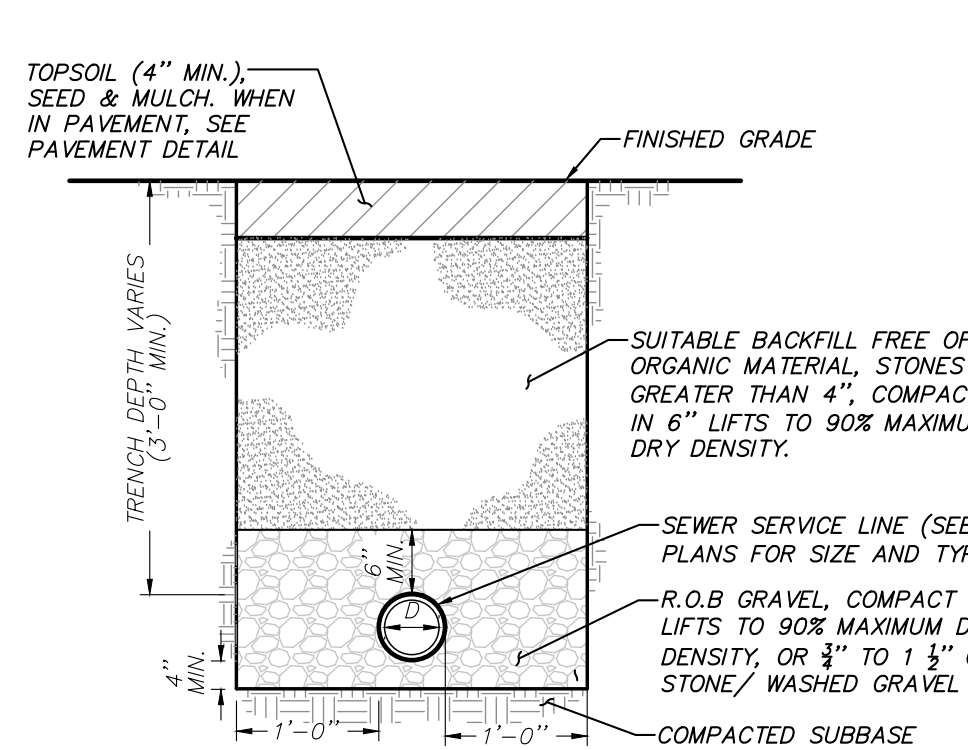
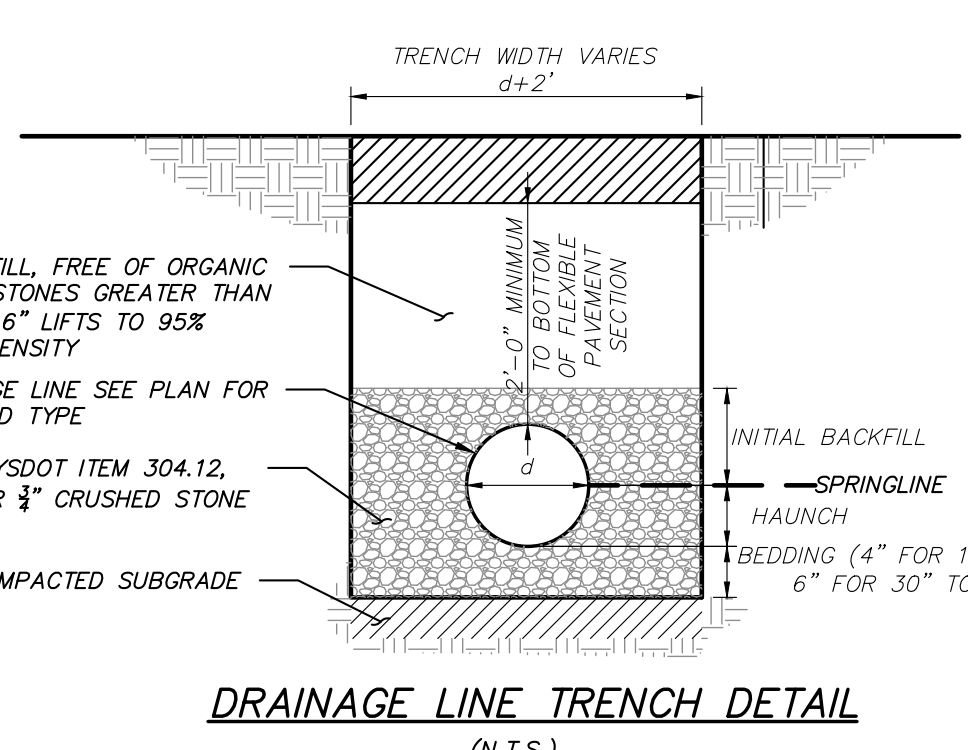
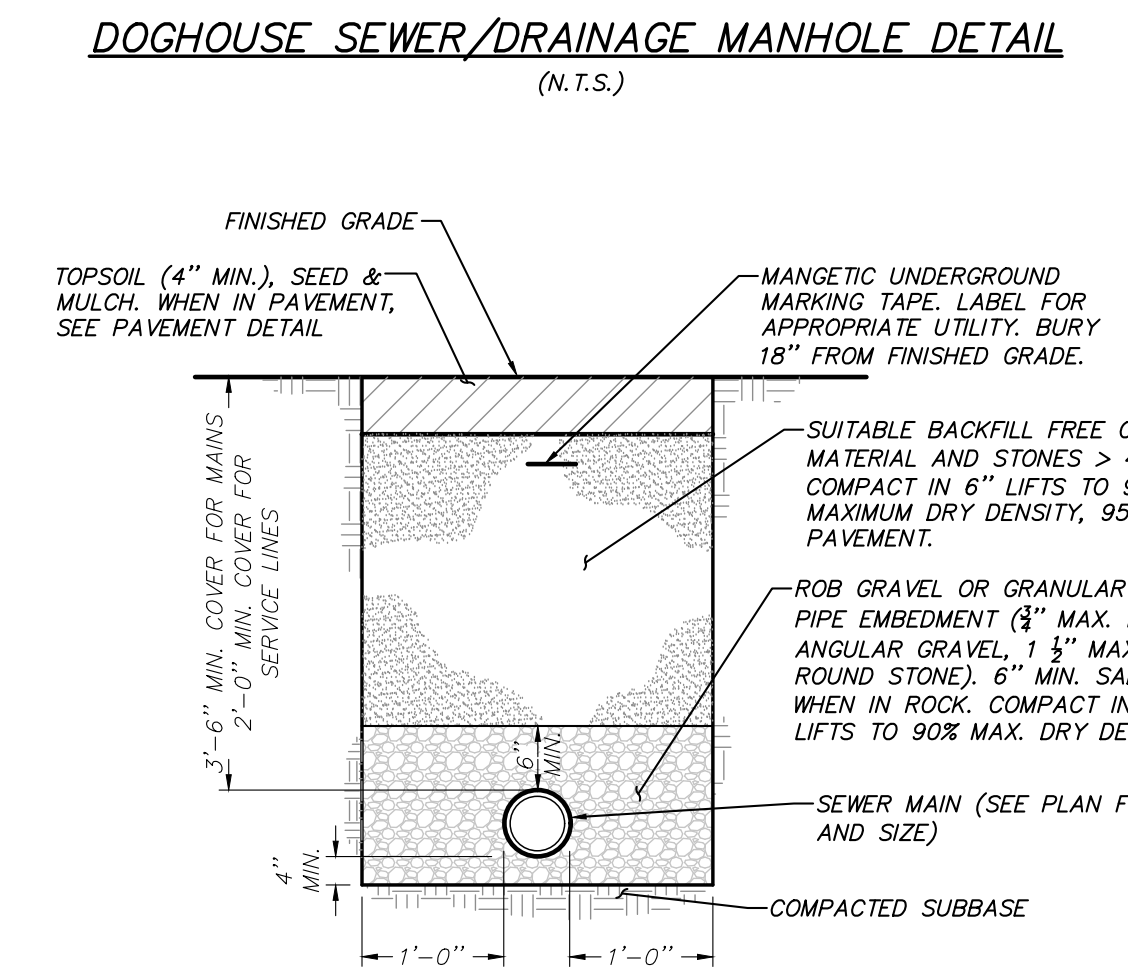
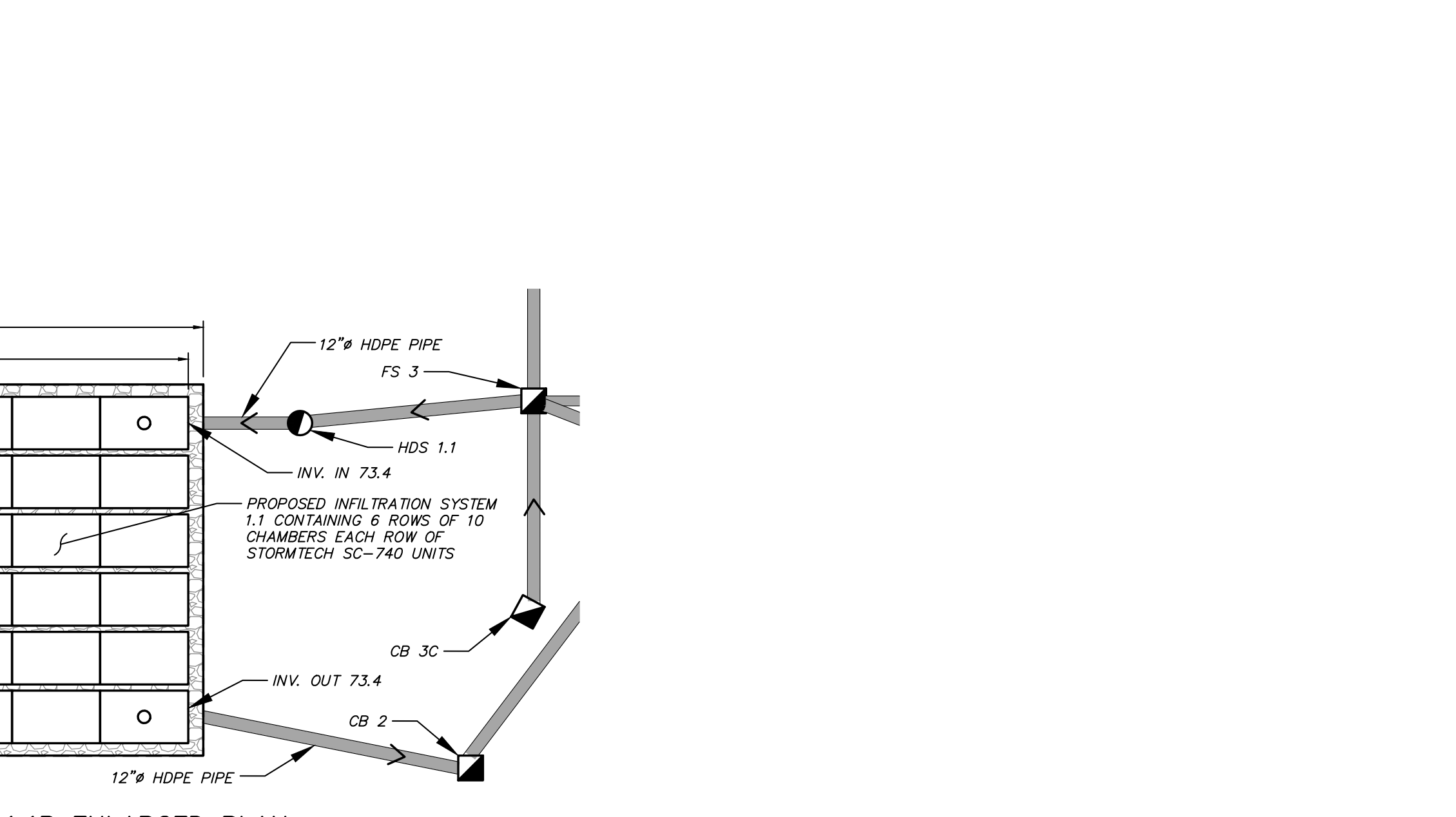
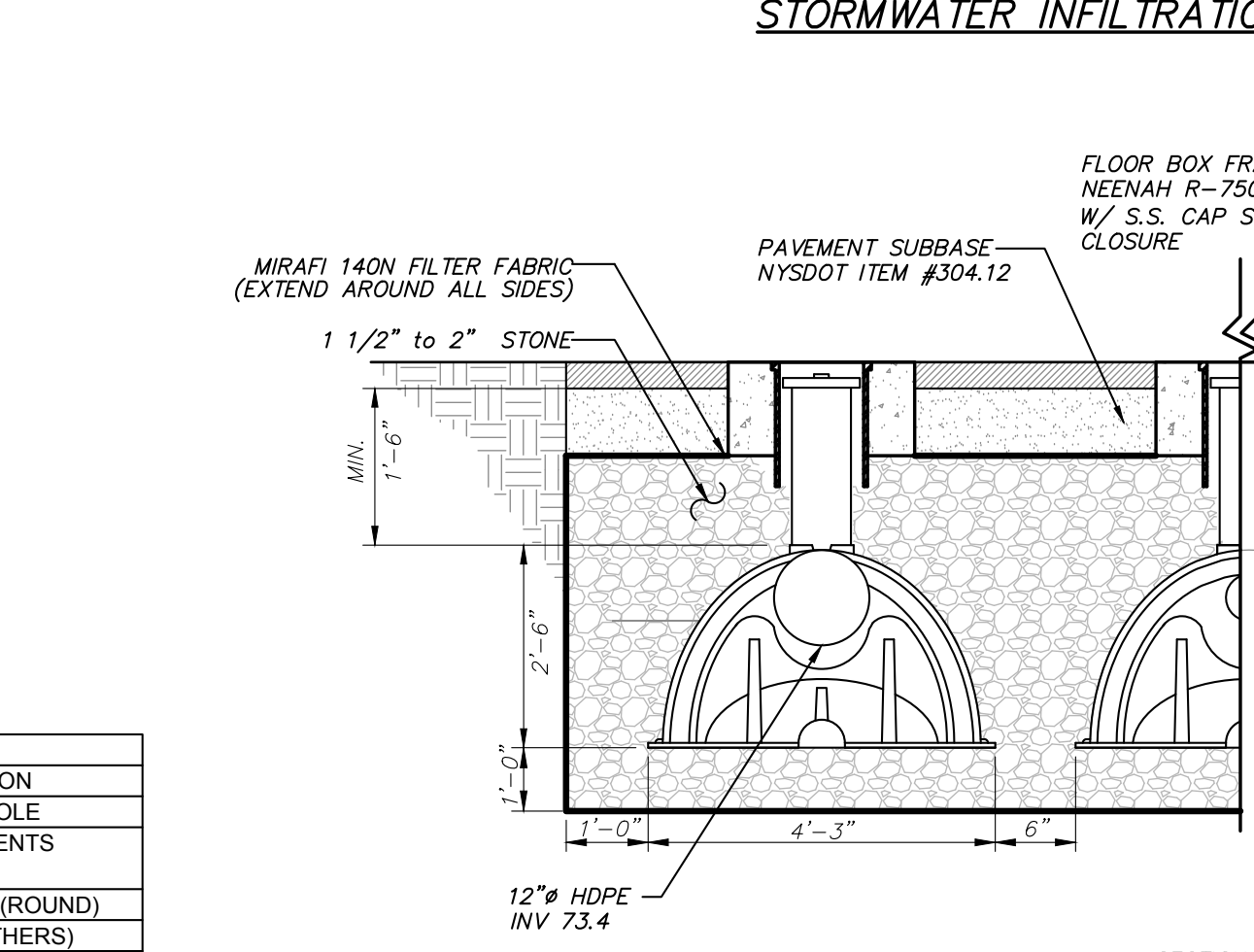
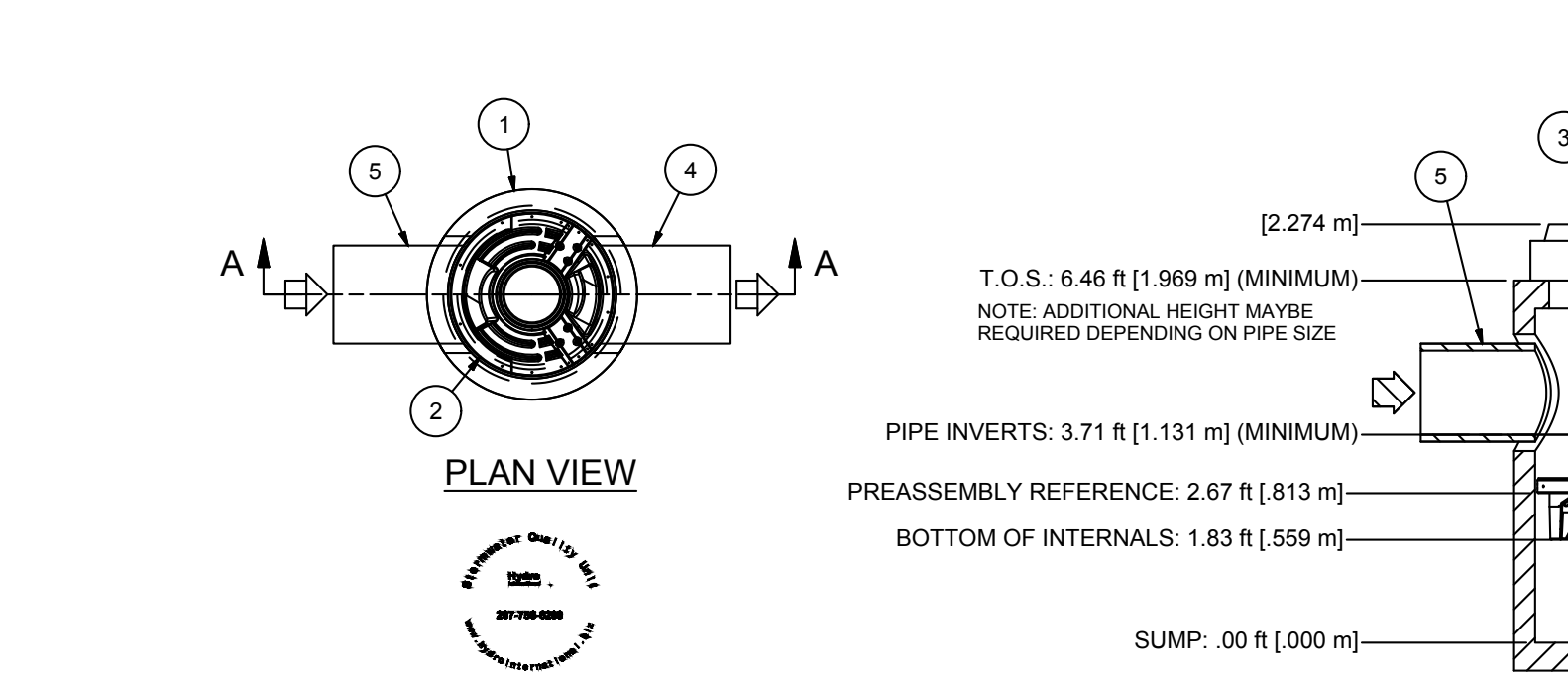
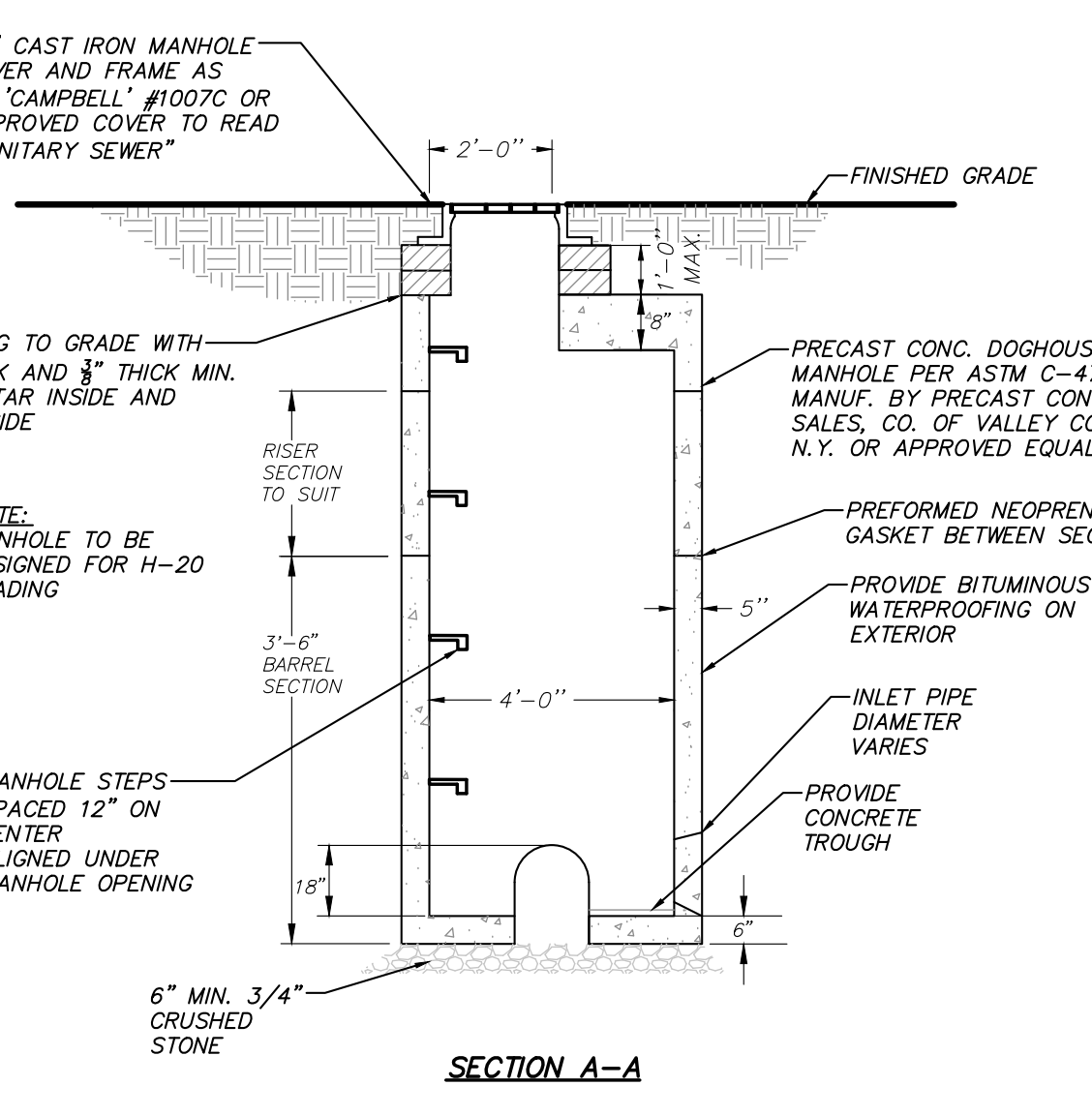
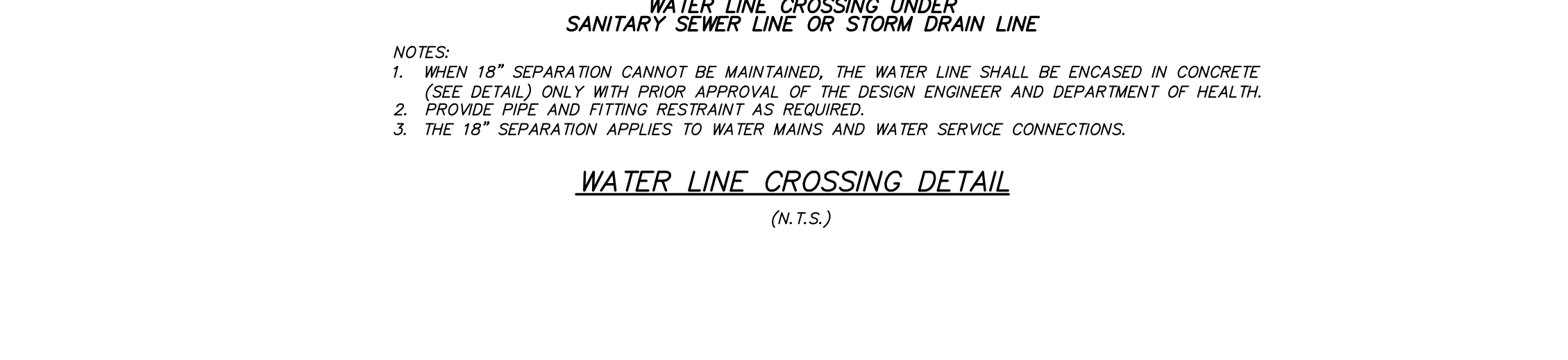
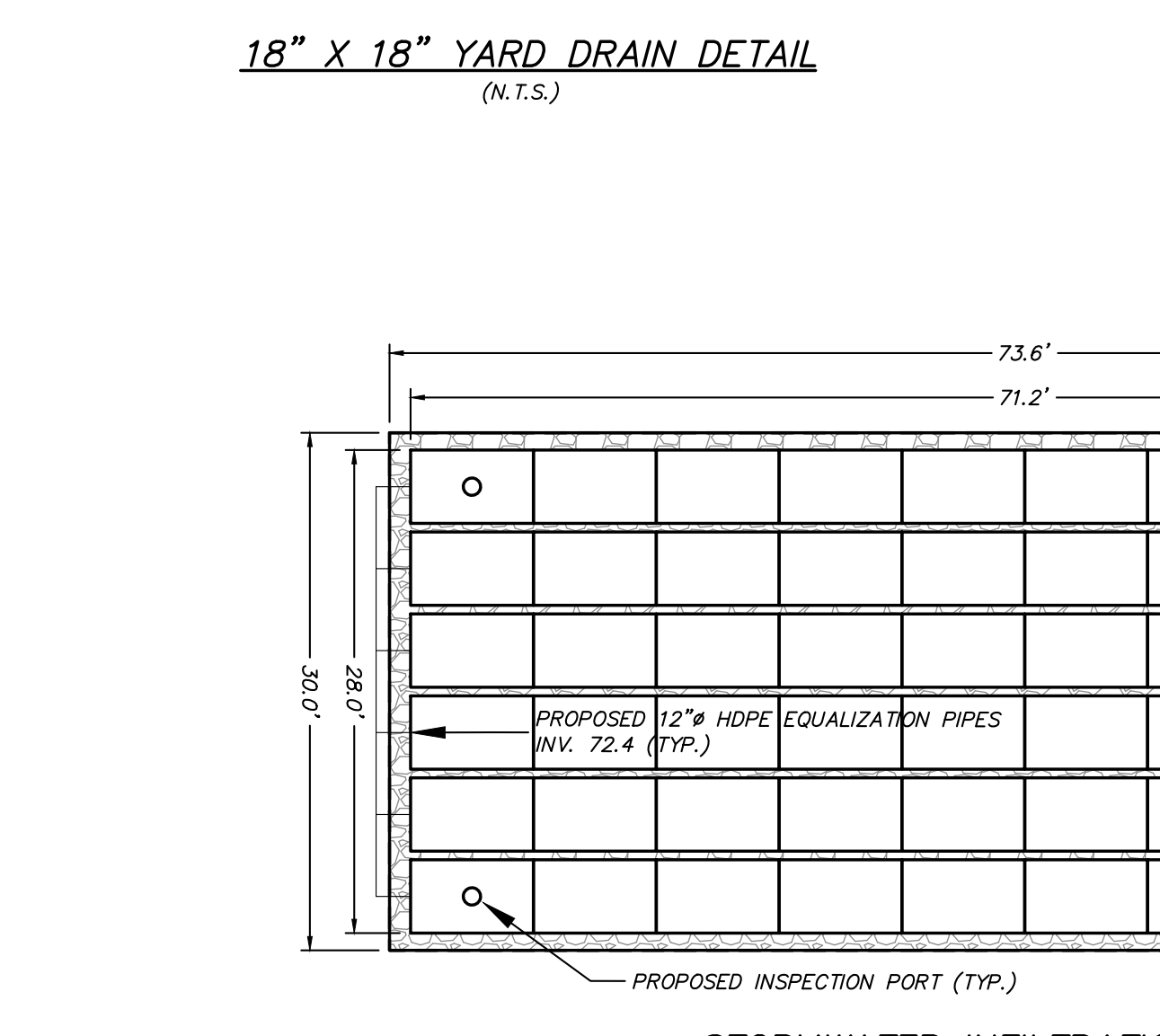
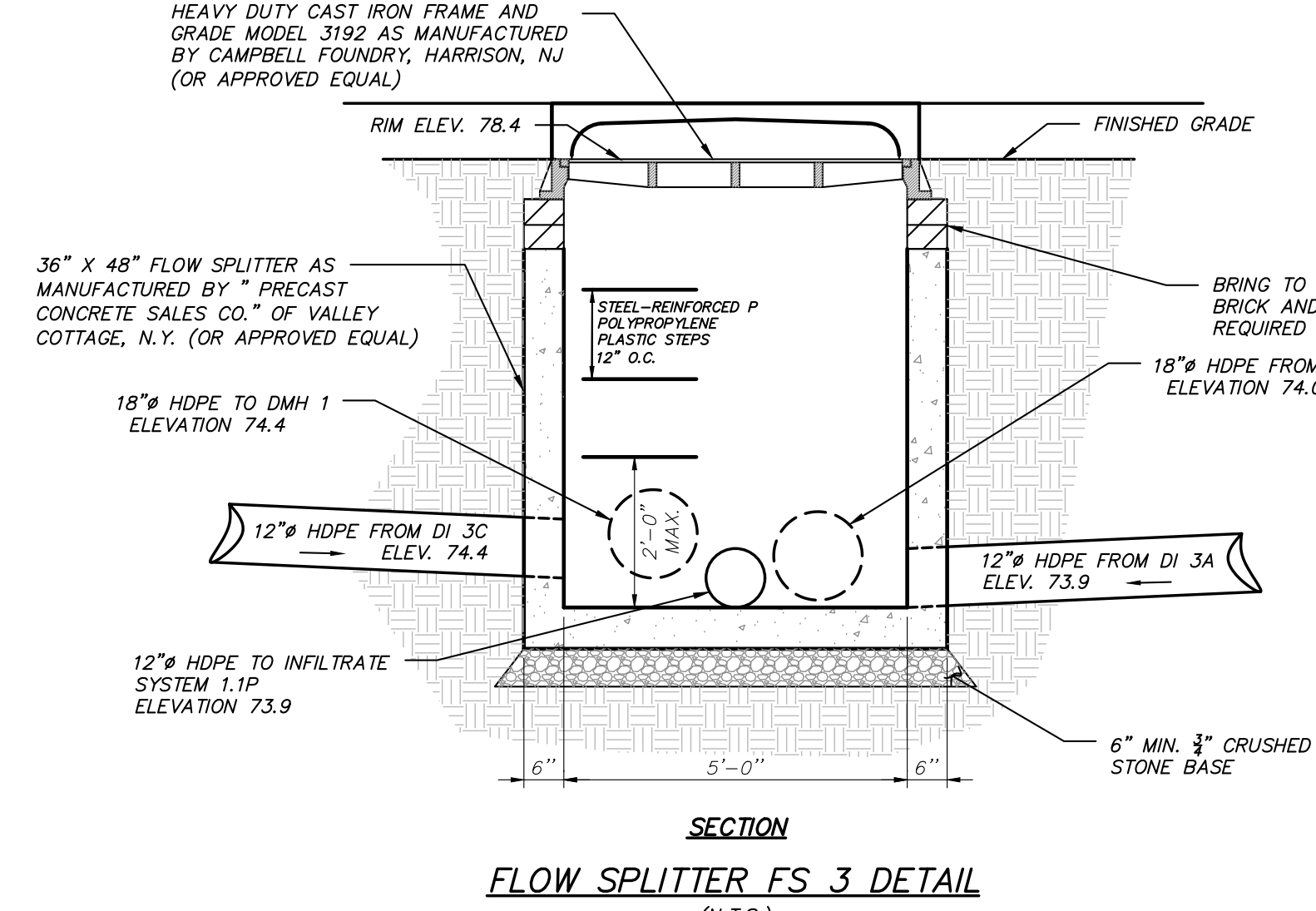
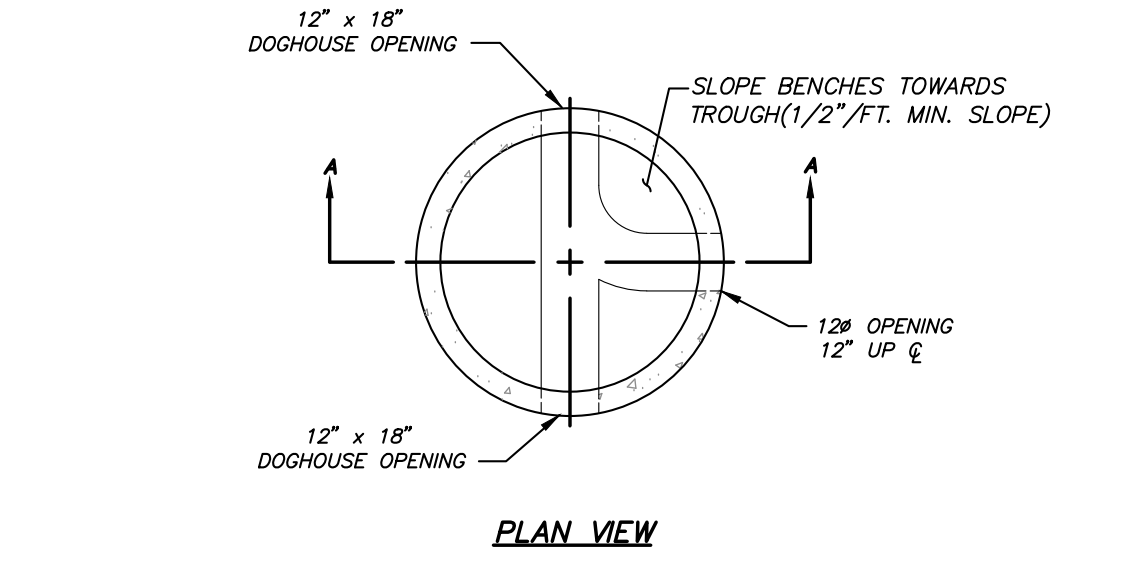
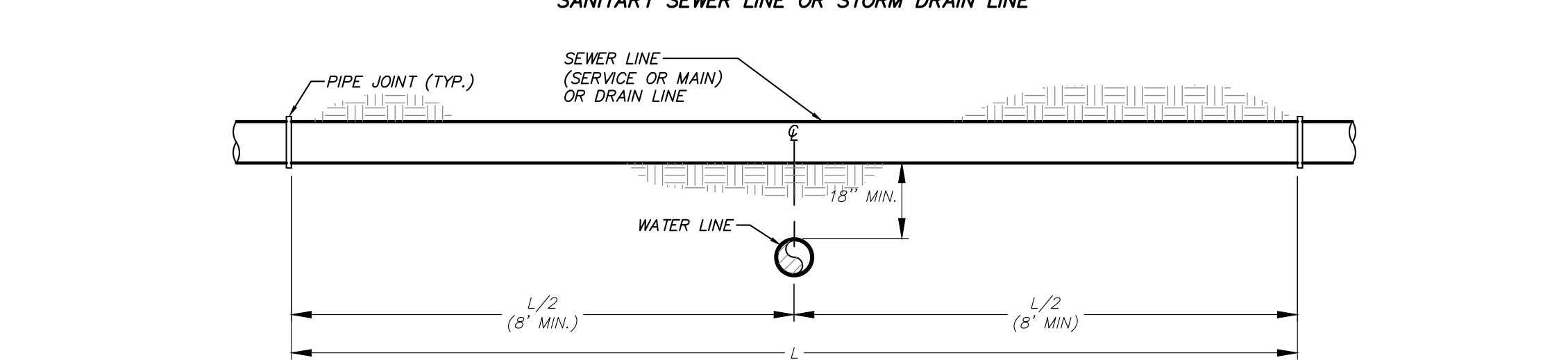
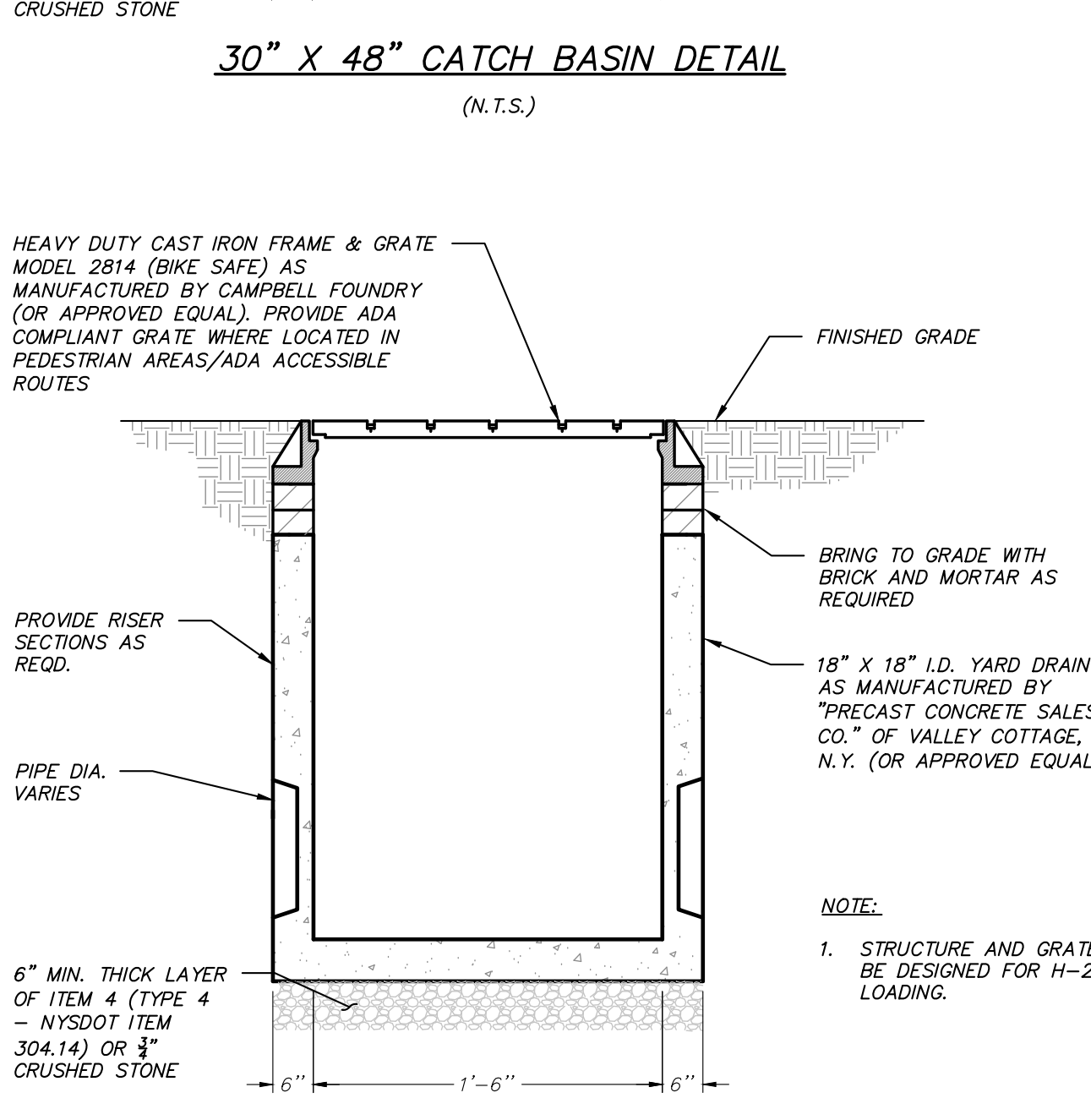
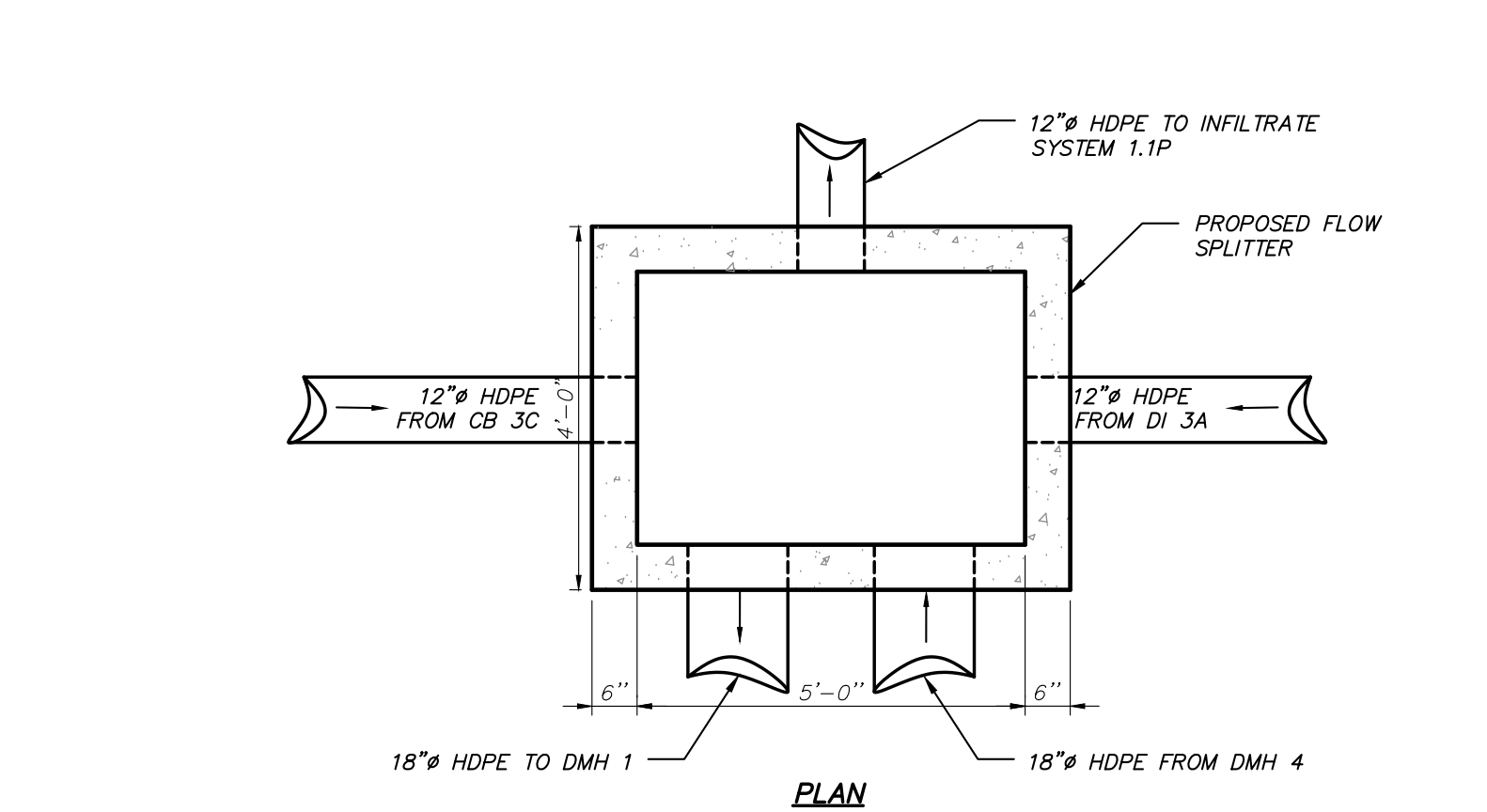
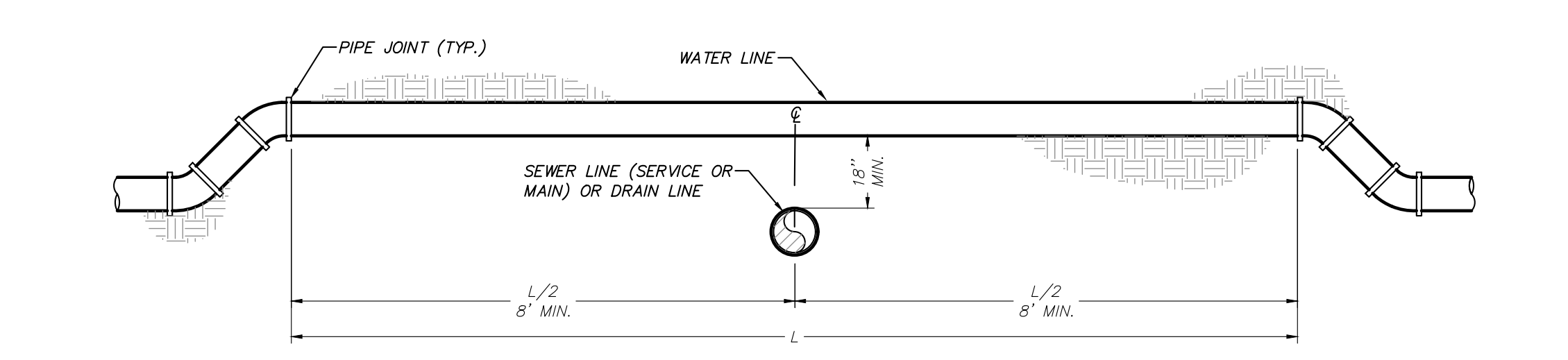
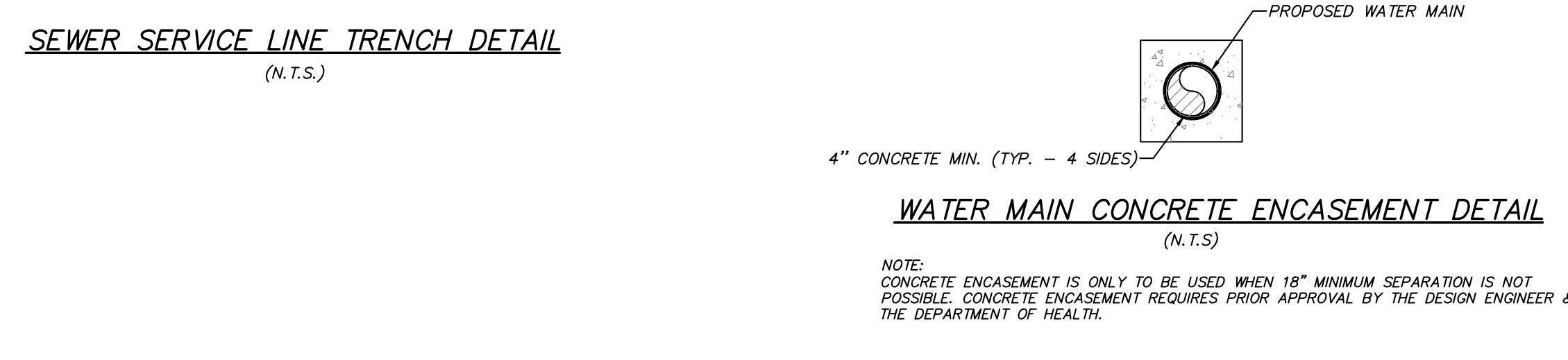
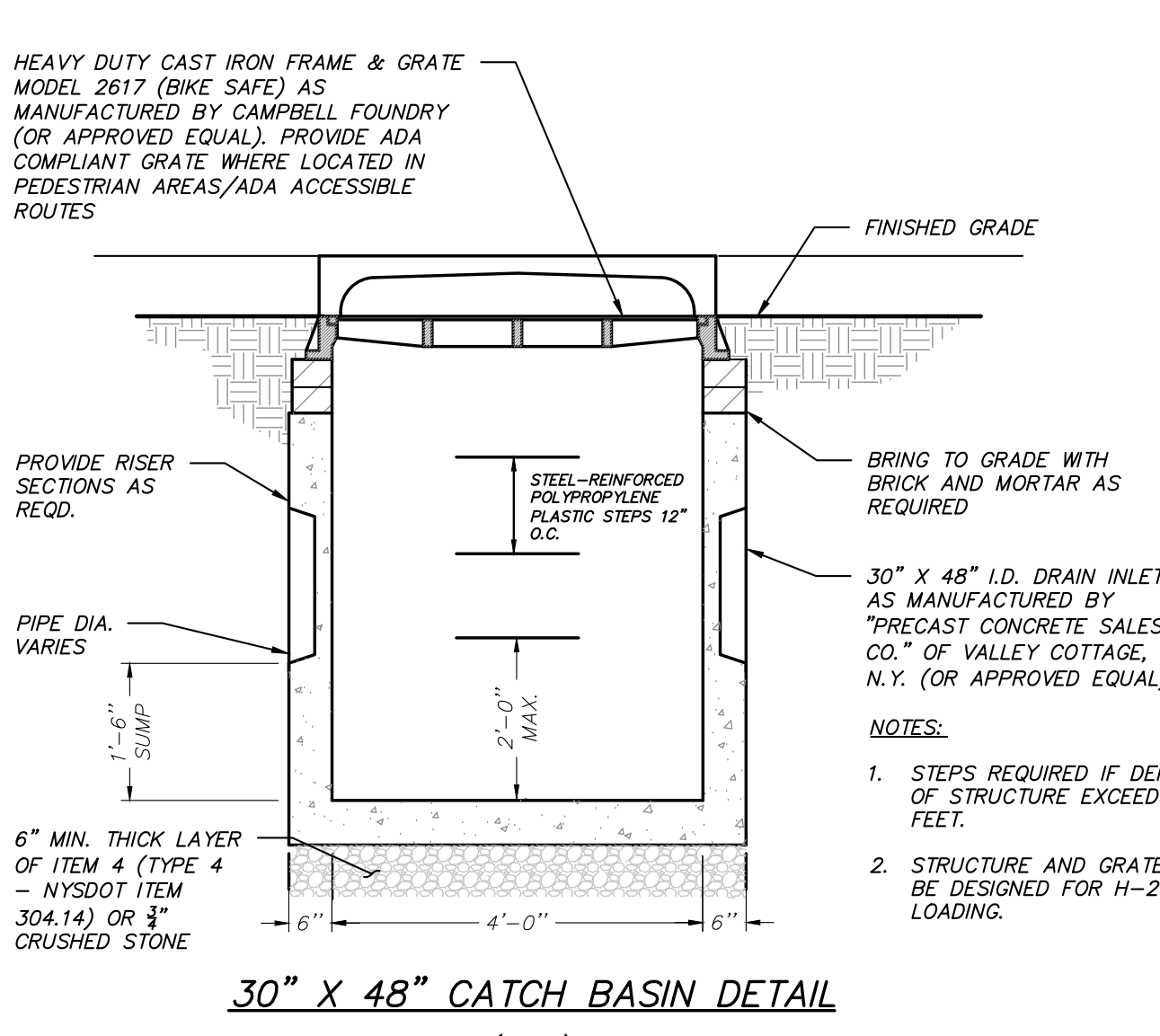
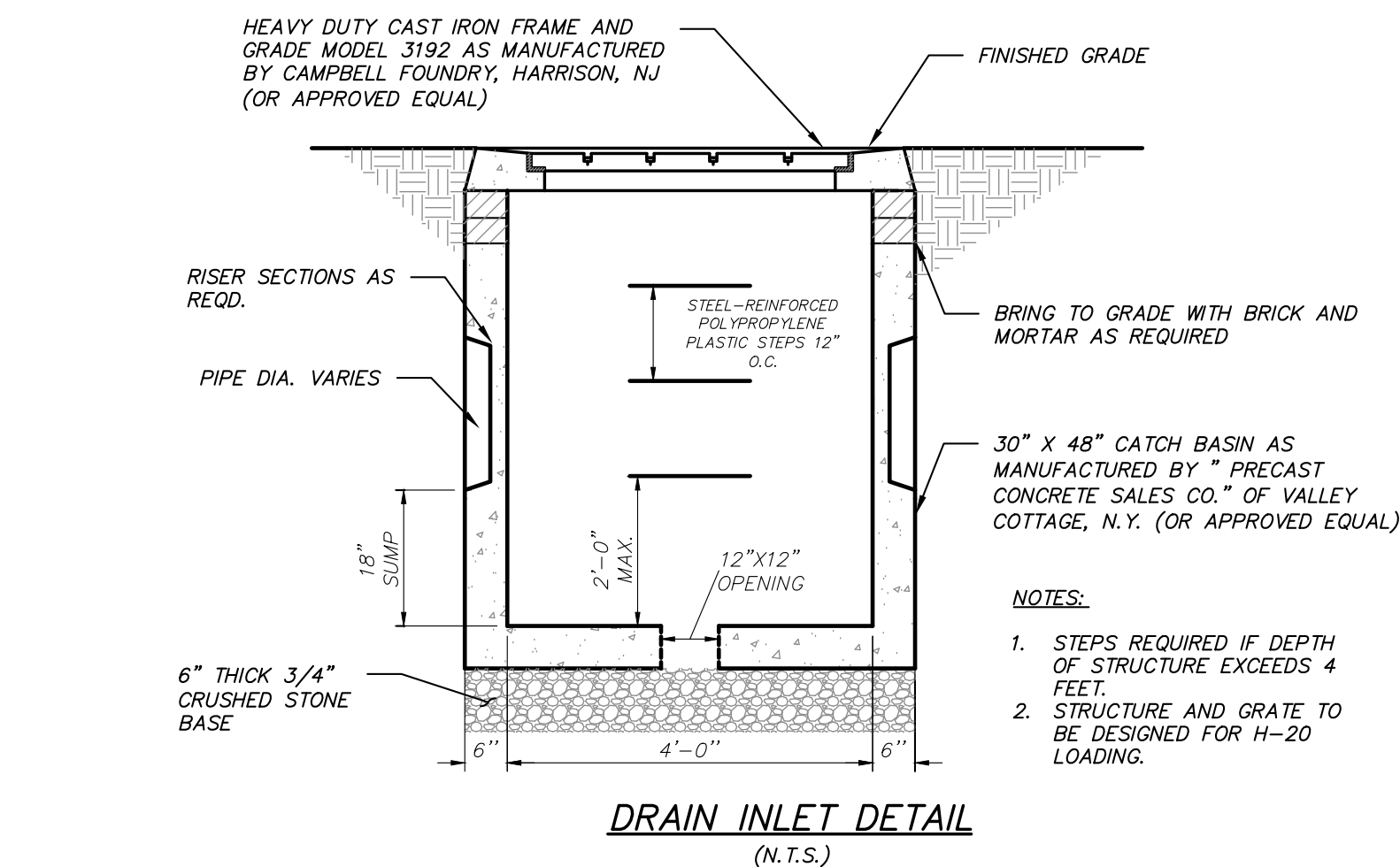


PERMANENT STORMWATER FACILITIES MAINTENANCE SCHEDULE					
PRACTICE/FACILITY	MONTHLY	AFTER MAJOR STORM EVENTS	BI-ANNUALLY	YEARLY	EVERY 5 to 10 YEARS
INFILTRATION UNITS	-	Confirm infiltrators diverters within 48 hours	Inspect & clean	Inspect outlet structures & remove accumulated sediment.	Clean isolator row per manufacturers recommendations
SUBSURFACE STORMWATER COLLECTION SYSTEMS	-	-	Inspect & clean	Inspect, clean, repair and/or replace structures. Remove debris.	-
GRASS SWALES	Inspect first few months after construction for grading soils & slumpage & repair immediately	-	Inspect & clean	Mow & remove debris & litter. Revegetate as needed.	Inspect for & remove accumulated sediment

Note: The party responsible for implementation of the maintenance schedule during and after construction is:
 CITY OF YONKERS
 1 LARKIN CENTER
 YONKERS, NY 10701



- ### SEWER MAIN NOTES
- All sewer mains & sewer services shown on these plans shall be polyvinyl chloride (PVC) SDR 35.
 - Sewers shall be laid at least 10 feet horizontally from any existing or proposed water main. The distance shall be measured edge to edge. In cases where it is not practical to maintain a 10 foot horizontal separation, the Design Engineer and Westchester County Department of Health may allow deviation with prior approval on a case-by-case basis, if supported by data from the Design Engineer. The horizontal separation also applies to service connections.
 - Sewers crossing water mains shall be laid to provide a minimum vertical distance of 18 inches between the outside of the water main and the sewer. The crossing shall be arranged so that the sewer joints will be equivalent and as far as possible from the water main joints. Where a water main crosses under a sewer, adequate structural support shall be provided to maintain the water main at grade. In cases where it is not practical to maintain a 10 foot horizontal separation, the Design Engineer and Westchester County Department of Health may allow deviation with prior approval on a case-by-case basis, if supported by data from the Design Engineer prior to sewer line installation. The vertical separation also applies to service connections.
 - Sanitary sewer service lines shall be tested in conjunction with the sewer mains to the property line or easement line, and in accordance with the latest Westchester County Department of Health Rules & Regulations.
 - Testing of the manholes with the pipeline shall not be permitted. Manholes & sanitary sewers shall be tested independently of each other.
 - The owner/applicant shall be responsible for acquiring supervision of the construction of the sanitary sewer main system by a person or firm qualified to practice professional engineering in the state of New York.
 - The owner/applicant shall be responsible for providing Three (3) copies of as-built drawings signed and sealed by a licensed and registered New York State Professional Engineer to the Westchester County Department of Health at the completion of the construction.
 - The Design Engineer, Westchester County Department of Health, and Town Engineering Department shall be notified forty eight (48) hours before construction is started.
 - The sanitary sewer mains shall not be placed into service until a certificate of construction compliance has been submitted to and accepted by the Westchester County Department of Health.
 - The Westchester County Department of Health and the New York City Department of Environmental Protection must be notified forty eight (48) hours prior to pressure testing the sewer main improvements.
 - Manhole frames & covers to be Campbell pattern #10070 for 24" opening or approved equal. M.H. covers to be marked "SEWER" and to have six 3/4" hole vents. (Use solid covers where necessary.)
 - The exterior of all manholes shall be covered with an approved asphalt waterproofing.
 - Concrete base slabs shall be air-entrained concrete with a minimum design strength of 3,000 psi.
 - The contractor shall submit shop drawings of the precast manholes to the Design Engineer for review and acceptance.
 - Precast manholes shall have minimum reinforcement of 0.12 sq. in. per lin. ft. for 48" barrels & be designed in accordance with A.S.T.M. C-478, and withstand an H-20 design loading.
 - Precast base sections to have the required number of gaskets and openings as shown and specified.
 - Precast manhole sections shall employ a watertight gasket arrangement between each section approved by the Design Engineer.
 - Openings for pipes shall be precast or machine cored. Gaskets or collars for pipe connections to manholes shall be resilient and watertight and compatible with the type of pipe being used.
 - The length of pipes entering or leaving any manhole shall be greater than 2'-0".
 - Precast manholes under 6'-0" deep shall have a "Flat Top" slab roof.
 - Gaskets or collars for pipe connections to manhole shall provide a minimum of 0.1" drop across the manhole.



PRODUCT SPECIFICATION:

- PEAK HYDRAULIC FLOW: 15.0 cfs (424 l/s)
- MIN SEDIMENT STORAGE CAPACITY: 0.4 cu. yd. (0.3 cu. m.)
- OIL STORAGE CAPACITY: 125 gal. (473 ltr)
- MAXIMUM INLET/OUTLET PIPE DIAMETERS: 18 in. (450 mm)
- THE TREATMENT SYSTEM SHALL USE AN INDUCED VORTEX TO SEPARATE POLLUTANTS FROM STORMWATER CURRENTS.
- FOR MORE PRODUCT INFORMATION INCLUDING REGULATORY ACCEPTANCES, PLEASE VISIT <https://hydro-c.com/en/products/first-defense>

GENERAL NOTES:

- General Arrangement drawings only. Contact Hydro International for site specific drawings.
- The diameter of the inlet and outlet pipes may be no more than 18".
- Multiple inlet pipes possible (refer to product data).
- Outlet pipe angle can vary to align with drainage network (refer to project plans).
- Peak flow rate and minimum height limited by available cover and pipe diameter.
- Larger sediment storage capacity may be provided with a deeper sump depth.

ITEM	QTY	SIZE (in)	DESCRIPTION
1	1	36	900 I.D. PRECAST MANHOLE
2	1		INTERNAL COMPONENTS (PRE-INSTALLED)
3	1	30	FRAME AND COVER (ROUND)
4	1	18 (MAX)	450 (MAX) OUTLET PIPE (BY OTHERS)
5	1	18 (MAX)	450 (MAX) INLET PIPE (BY OTHERS)

FIRST DEFENSE HYDRODYNAMIC SEPARATOR FDO-3 (HDS 1.1)
(N.T.S.)

STORMWATER INFILTRATION SYSTEM 1.1P DETAIL
(N.T.S.)

SEWER MAIN TRENCH DETAIL
(N.T.S.)

NEW COMMUNITY SCHOOL 35 AT ST DENIS SITE
 YONKERS JOINT SCHOOLS CONSTRUCTION BOARD
 121 McLean Avenue
 Yonkers, NY 10705

KG+D listen imagine build
 KG+D ARCHITECTS, PC
 285 MAIN STREET - MOUNT KISCO, NEW YORK 10549
 P-914 668 5900 KG+DARCHITECTS.COM

NYSED PROJECT CONTROL No.
66-23-00-01-0-346-001

CONSTRUCTION DOCUMENTS

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Professional Seal

No.	Date	Issue
11/01/2021	ISSUE FOR BID	
08/24/2021	NYSED ADDENDUM 1	
07/14/2021	CONST. DOCS - FOR NYSED	
12/15/2020	DESIGN DEVELOPMENT	
08/31/2020	SCHEMATIC DESIGN	

Sheet Title

Job No. 2018-1071 Date 8/30/2020

Scale: AS SHOWN Drawn / Checked MEUAT

Sheet No.

C404