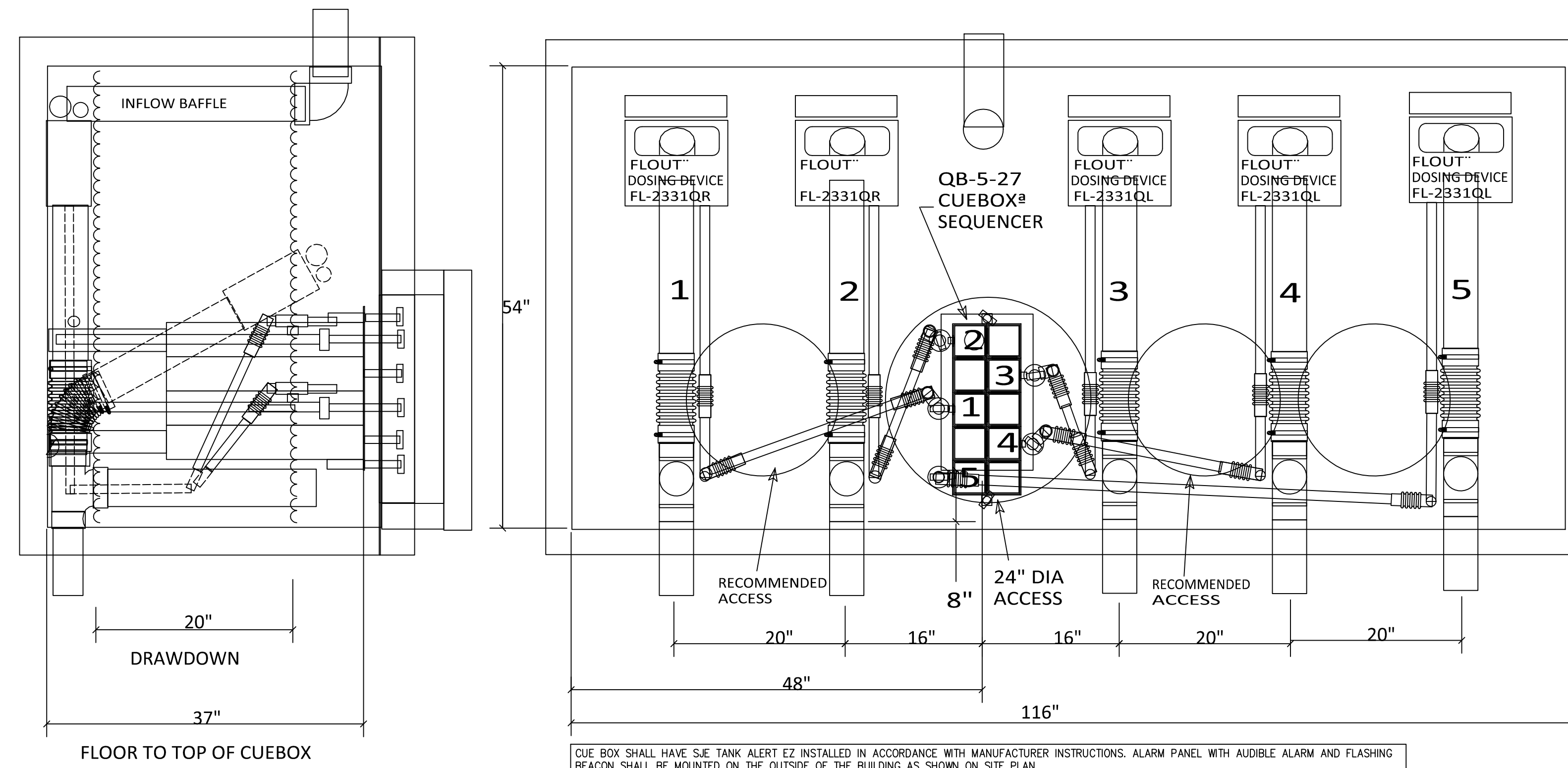


- NOTES:**
- NORMAL CONDITIONS:
 - WHENEVER A WATER MAIN MUST CROSS OVER OR UNDER A SANITARY SEWER OR STORM DRAIN, THE PIPES SHALL BE LAID TO PROVIDE A VERTICAL SEPARATION BETWEEN THEM OF AT LEAST 18 INCHES, AS MEASURED FROM THE BOTTOM OF THE HIGHER PIPE TO THE CROWN OF THE LOWER PIPE.
 - FULL LENGTH OF WATER PIPE MUST BE CENTERED AT THE POINT OF CROSSING; NO JOINTS WILL BE PERMITTED AT THE POINT OF CROSSING.
 - WATER MAIN CROSSING UNDER SANITARY SEWERS:
 - VERTICAL SEPARATION OF 18 INCHES MUST BE PROVIDED.
 - ADEQUATE STRUCTURAL SUPPORT MUST BE PROVIDED FOR THE SANITARY SEWER TO PREVENT EXCESSIVE DEFLECTION OF JOINTS AND SETTLING.
 - FULL LENGTH OF WATER PIPE MUST BE CENTERED AT THE POINT OF CROSSING; NO JOINTS WILL BE PERMITTED AT THE POINT OF CROSSING.
 - IF DURING CONSTRUCTION IT IS FOUND THAT THE REQUIRED SEPARATION OF WATER MAINS, SANITARY SEWERS, STORM SEWERS AND BUILDING SANITARY SEWERS CANNOT BE MET, THE CONTRACTOR OR HIS AUTHORIZED REPRESENTATIVE SHALL IN WRITING ADVISE JOHN METER CONSULTING OF THE SPECIFIC CONDITIONS ENCOUNTERED. APPROVAL OF ALTERNATIVE SEPARATION CRITERIA SHALL BE OBTAINED FROM THE PUTNAM COUNTY DEPARTMENT OF HEALTH PRIOR TO INSTALLATION.

SEPARATION OF WATER AND SANITARY SEWER/STORM DRAIN LINES

11



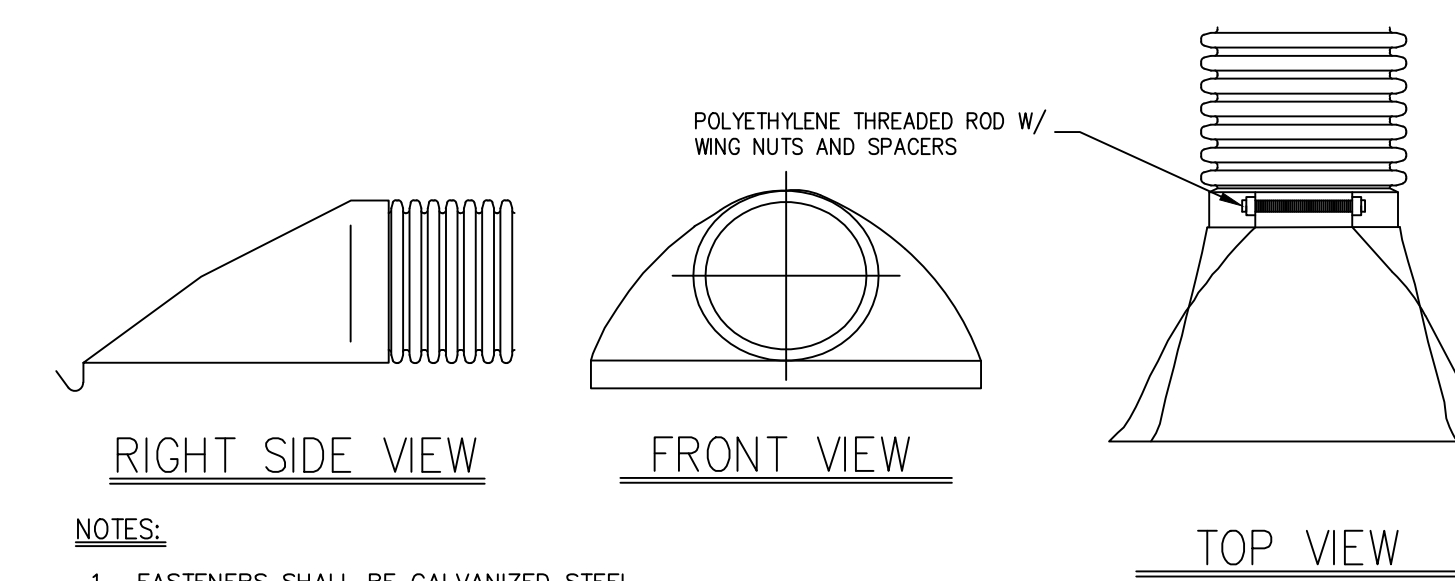
- NOTES:**
- CUE BOXES SHALL BE MANUFACTURED BY RISSY PLASTICS THEY SHALL BE SET TO ALTERNATE ON THEIR OWN.
 - BOX SHALL BE SET ON A 4" BED OF GRAVEL.
 - PROVIDE MANHOLE CASTING TO GRADE.
 - CUE BOX SHALL HAVE SUE TANK ALERT E2 INSTALLED IN ACCORDANCE WITH MANUFACTURER INSTRUCTIONS. ALARM PANEL WITH AUDIBLE ALARM AND FLASHING BEACON SHALL BE MOUNTED ON THE OUTSIDE OF THE BUILDING AS SHOWN ON SITE PLAN.

A PROPOSED DOSING CHAMBER WITH FIVE FLOUT™ DOSING DEVICES EACH WITH ONE 4 INCH DRAINAGE OUTLET. DOSING SEQUENCE CONTROLLED BY A CUEBOX® SEQUENCER. 20 INCH DRAWDOWN. DOSING DEVICES BY RISSY PLASTICS, 350 CEDAR LANE TORRINGTON, CT 06790 860-482-1645 RISSYPLASTICS.COM FLOUT.NET TANXRUS@AOL.COM PRECAST CONCRETE/ OTHER MATERIAL CHAMBER BY OTHERS

FLOUT™ US PATENT 5290434 CUEBOX® US PATENT PENDING ©2010 JAMES RICHARD DRAWING BY JAMES RICHARD
SYSTEM : FLQ-2331X5

RISSY PLASTICS CUE BOX ALTERNATE DOSING CHAMBER (5 OUTLETS)

12

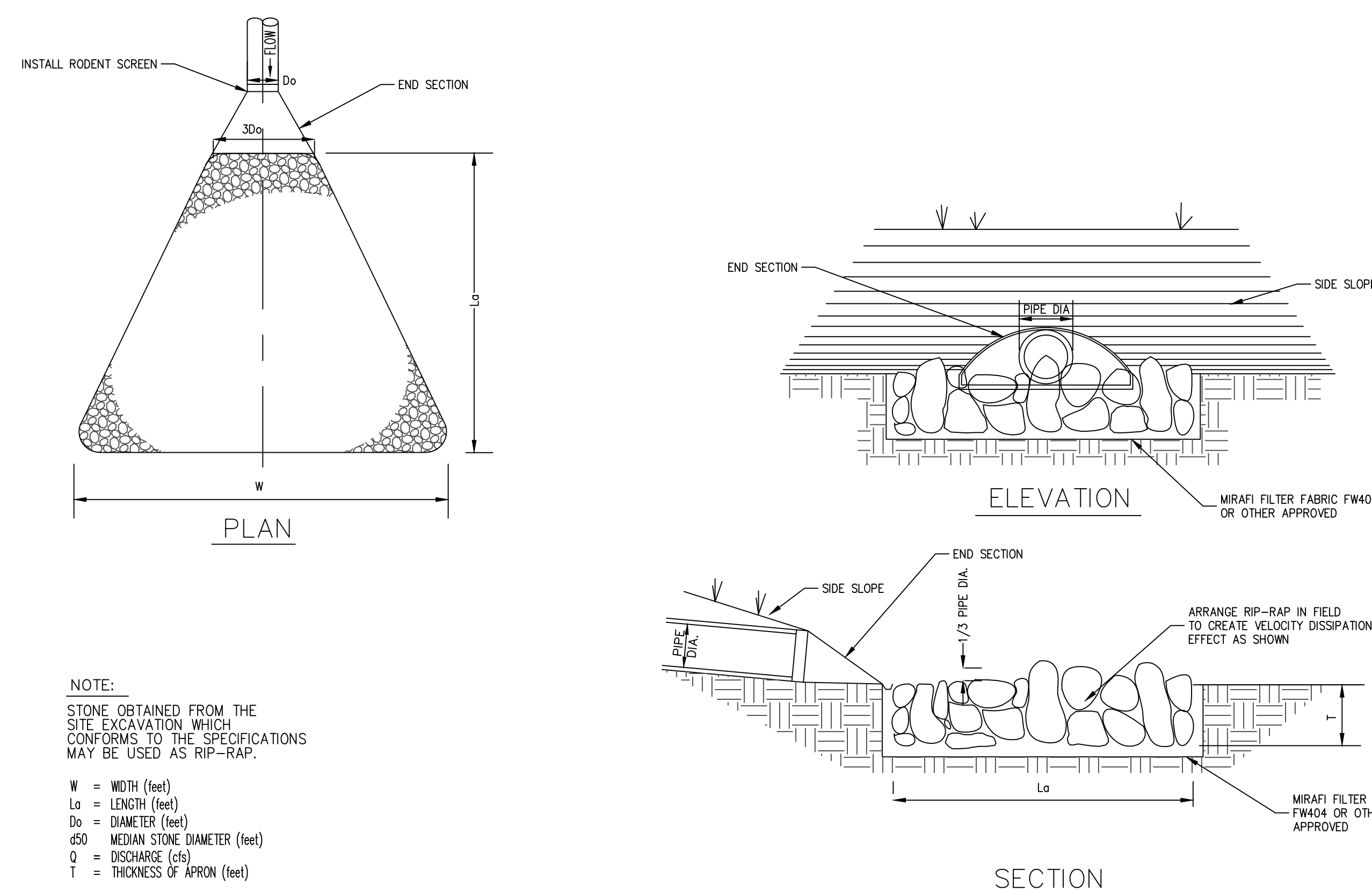


- NOTES:**
- FASTENERS SHALL BE GALVANIZED STEEL.
 - ALL DIMENSIONS ARE NOMINAL.
 - WITH ROCKET GUARD.
 - END SECTION SHALL BE MANUFACTURED BY J & J DRAINAGE OR APPROVED EQUAL.

PIPE SIZE	A	B (MAX)	H	L	W
4"	4"	1"	3"	8"	12.0"

CURTAIN DRAIN OUTLET

13

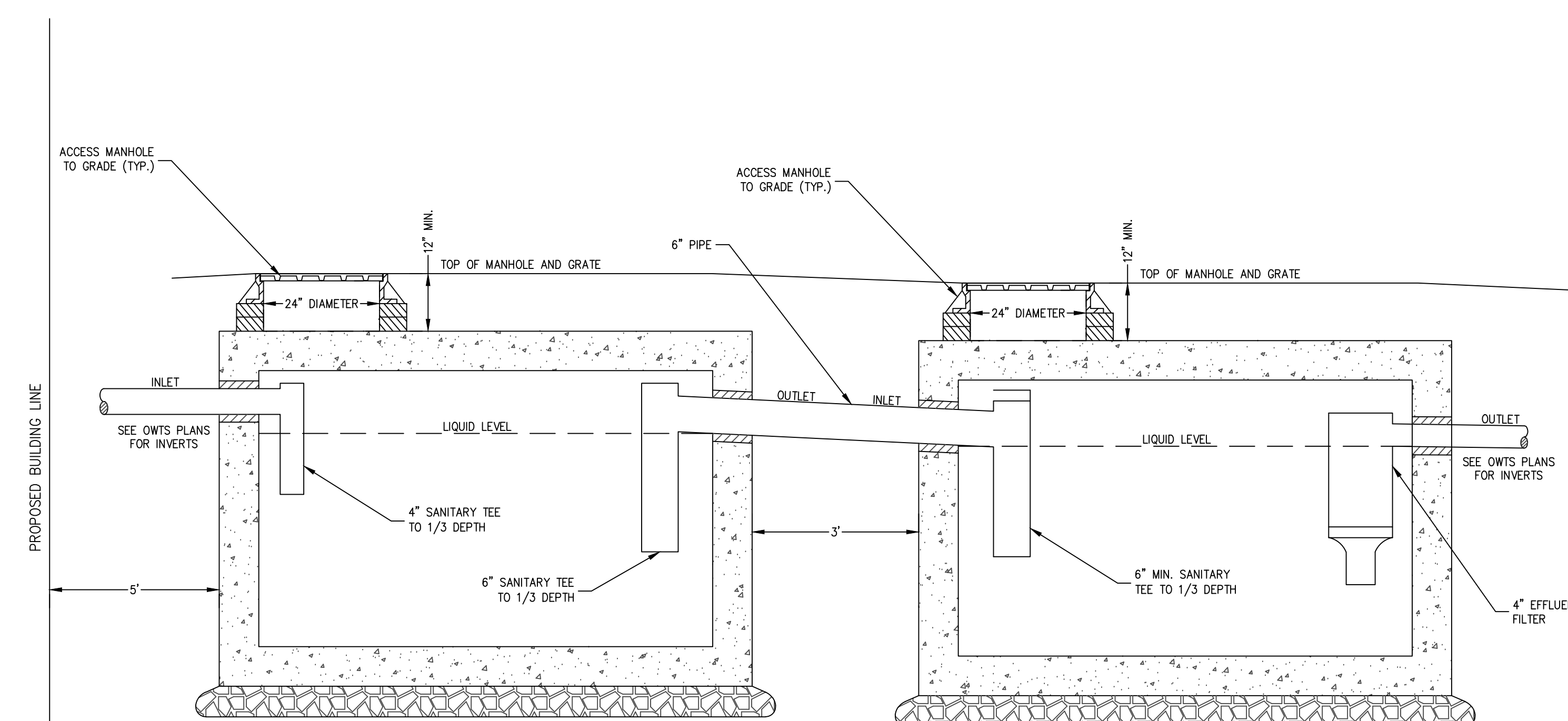


NOTE:
STONE OBTAINED FROM THE SITE EXCAVATION WHICH CONFORMS TO THE SPECIFICATIONS MAY BE USED AS RIP-RAP.

STRUCTURE	Q	Do	W	Lo	d50	T
CURTAIN DRAIN OUTLET	0.60	0.33	2.33	2	0.33	0.75

RIP-RAP APRON/ENERGY DISSIPATOR

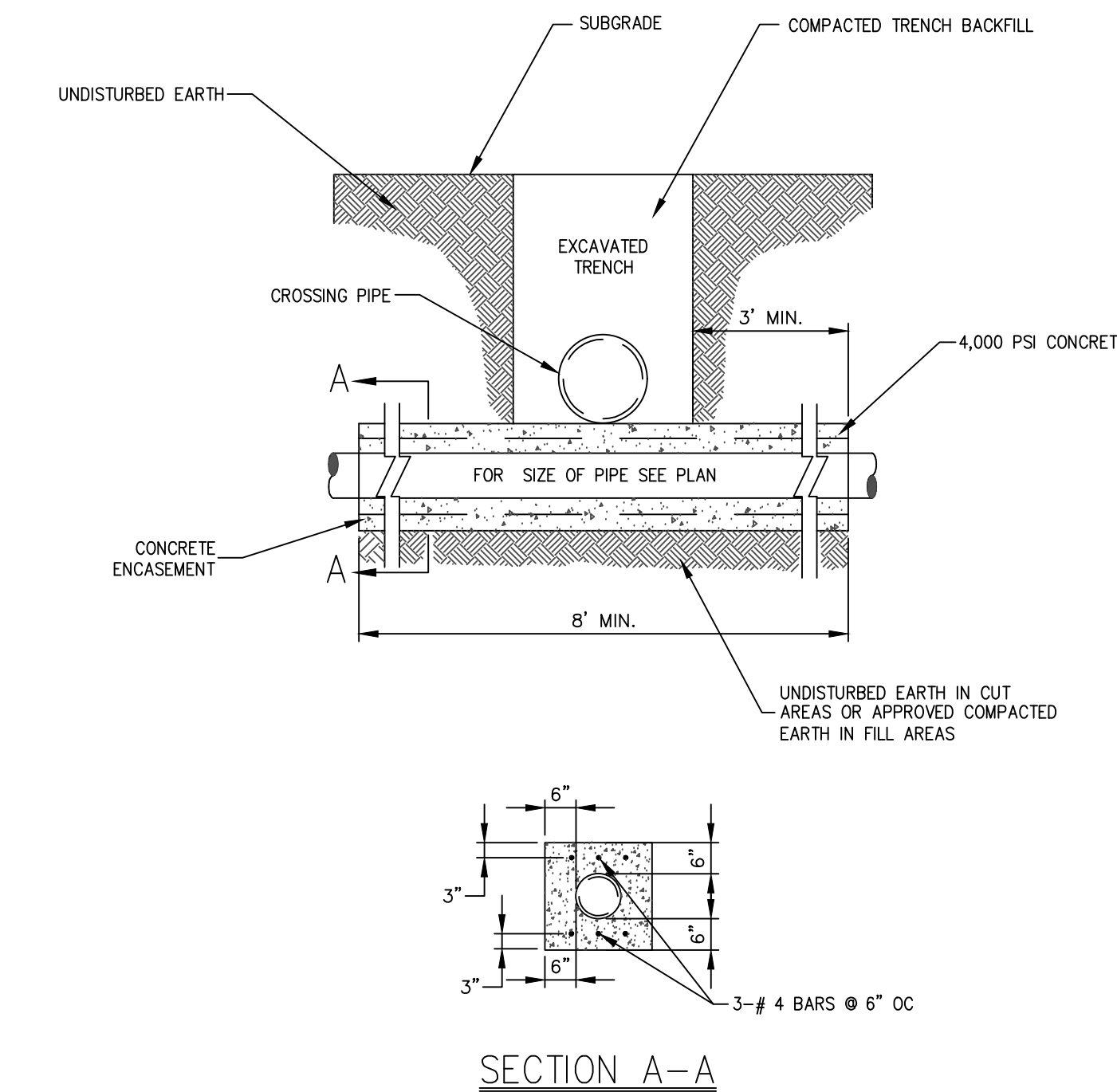
14



- NOTES:**
- SEE DRAWING NUMBER C-328, DETAIL NO. 4 FOR SEPTIC TANK DETAILS.

SEPTIC TANK IN SERIES

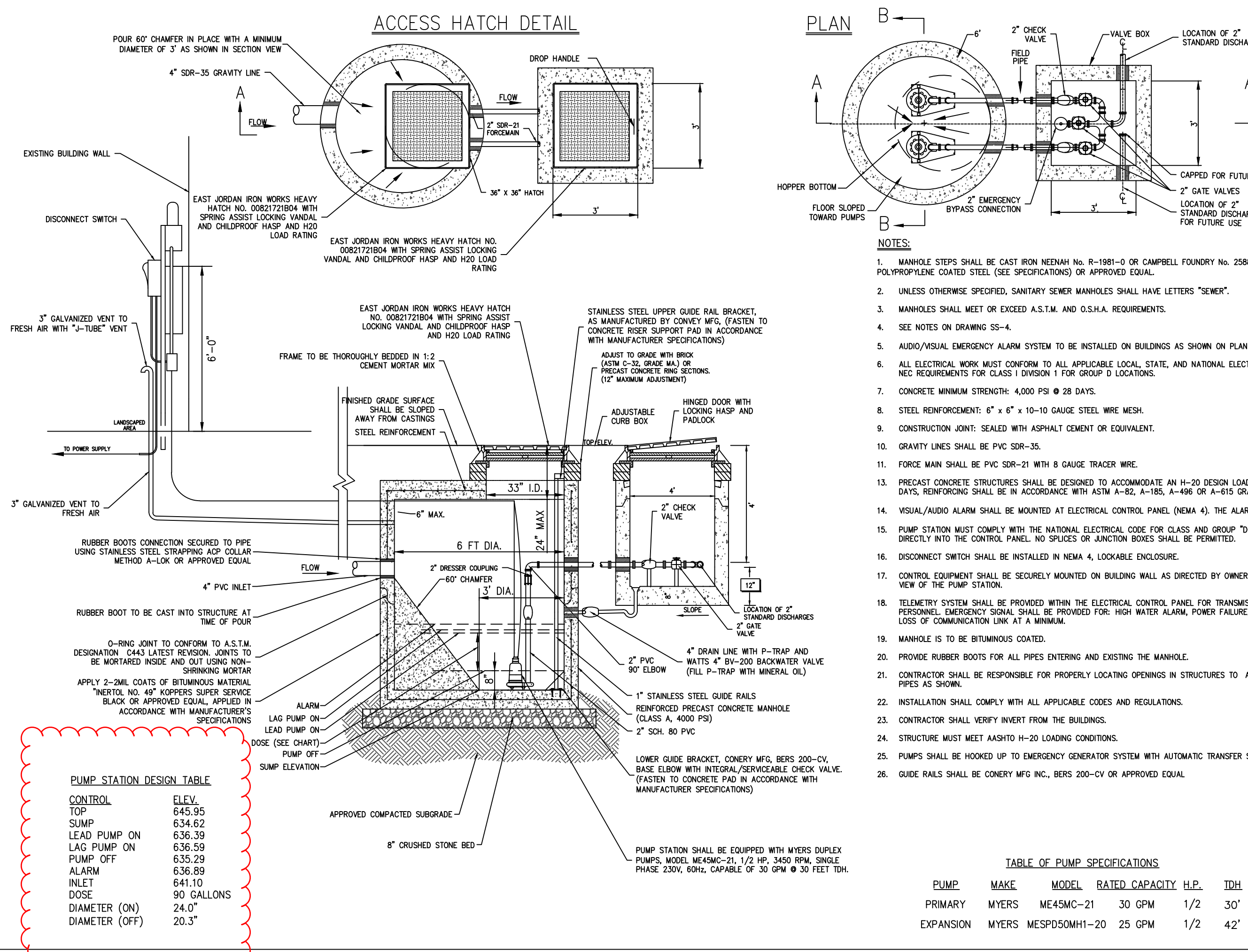
15



- NOTE:**
- FULL LENGTH OF PIPE TO BE USED AT CROSSING PIPE TO BE CENTERED ON CENTERLINE OF CROSSING PIPE. NO JOINTS SHALL BE LOCATED WITHIN THE AREA OF CONCRETE ENCASUREMENT.

CONCRETE ENCASEMENT (<18" SEPARATION)

16



PUMP STATION DESIGN TABLE

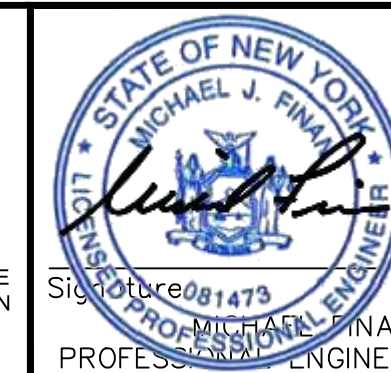
CONTROL	ELEV.
TOP	84.00
PUMP	83.42
LEAD PUMP ON	83.39
PUMP OFF	83.35
INLET	83.89
ALARM	84.10
DOSE	24.0"
DIAMETER (ON)	20.3"
DIAMETER (OFF)	20.3"

SANITARY SEWER PUMP STATION

17

Date	Description	No.
05/03/2023	REVISED PER RFI 34	9
03/06/2023	REVISED BUILDING & STORM ROOF LEADERS	8
02/10/2023	REV. NEW LOT LINE / SITE GRADING & STORM	7
12/30/2022	REV. BUILDING & UTILITIES	6
12/16/2022	REV. PER WATERSHED INSPECTOR GENERAL COMMENTS	5

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 149 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, LAND SURVEYOR OR GEOLOGIST, TO ALTER THIS ITEM IN ANY WAY.



Project
LINCOLN LOGISTICS BREWSTER
TOWN OF SOUTHEAST
NEW YORK

Drawing Title
OWTS DETAILS (2 OF 2)

Project No.
190065201
Date
1/28/2022
Drawn By
JMSK
Checked By
CZMF
Drawing No.
C-329
Sheet 48 of 96