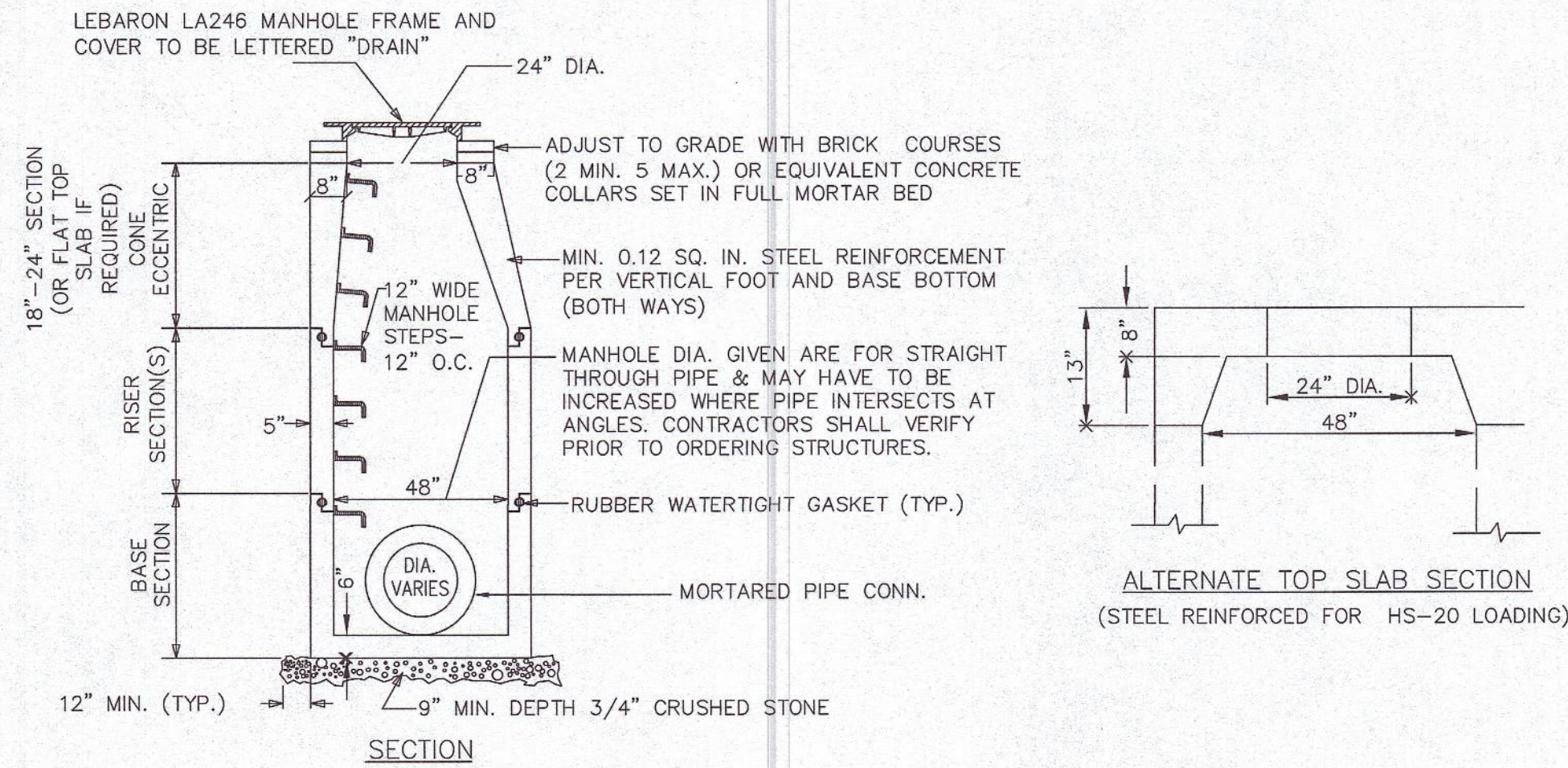


NOTES:

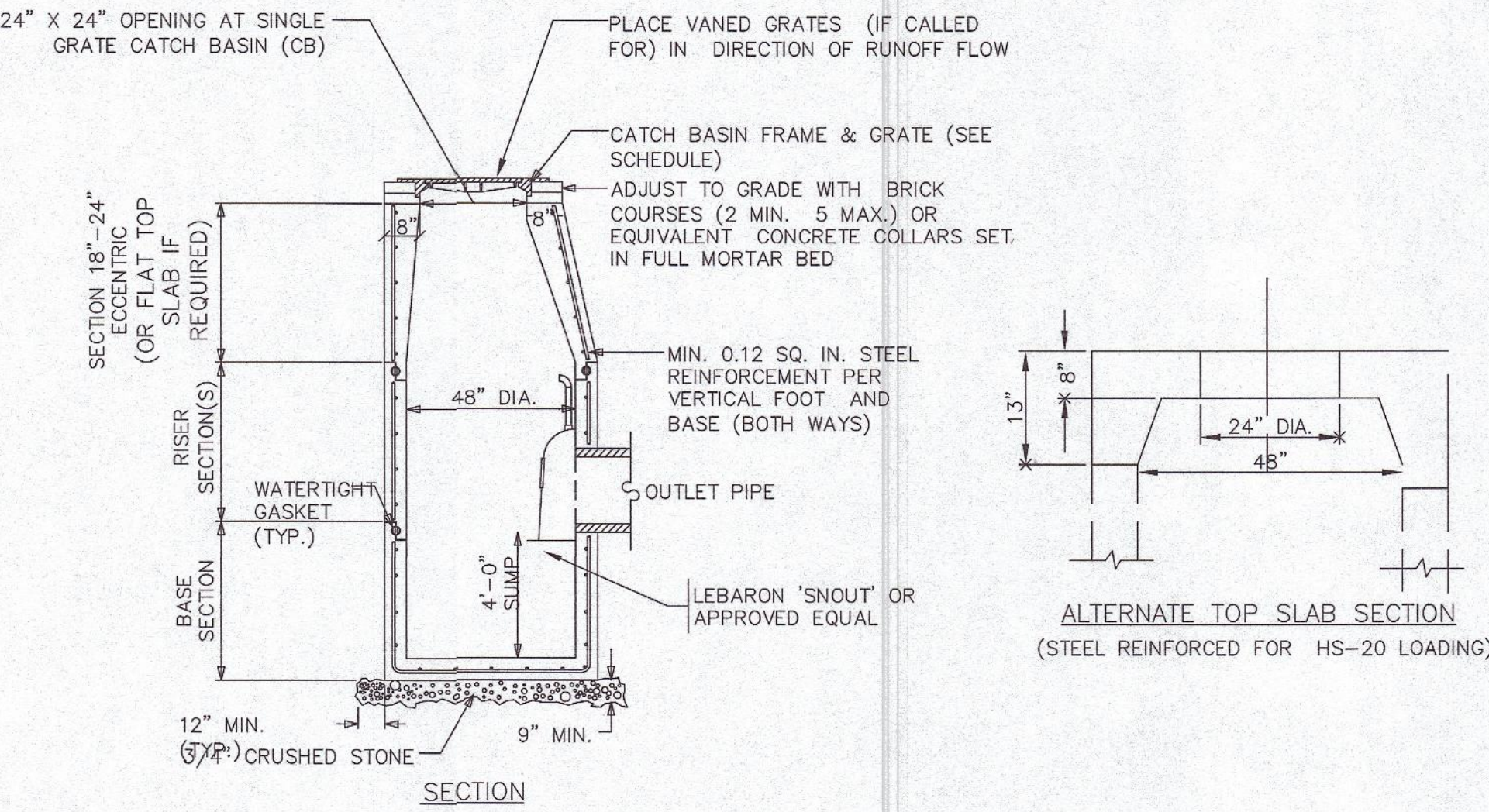
1. REINFORCED STEEL CONFORMS TO LATEST A185 SPEC. 0.12 SQ. IN./LINEAL FT. (0.15 SQ. IN. FOR 60" DIA) AND BASE BOTTOM.
2. CONCRETE COMPRESSIVE STRENGTH 4000 PSI MIN.
3. MANHOLE DESIGN CONFORMS TO LATEST ASTM C478 SPEC. FOR "PRECAST REINFORCED CONCRETE MANHOLE SECTIONS".
4. JOINT SEALANT SHALL BE SYNTHETIC RUBBER GASKET THAT COMPLIES W/ C-443 OR C-361. 5. BASE SECTION SHALL BE ONE POUR MONOLITHIC.



1 PRECAST CONCRETE DRAIN MANHOLE
7.4 N.T.S.

NOTES:

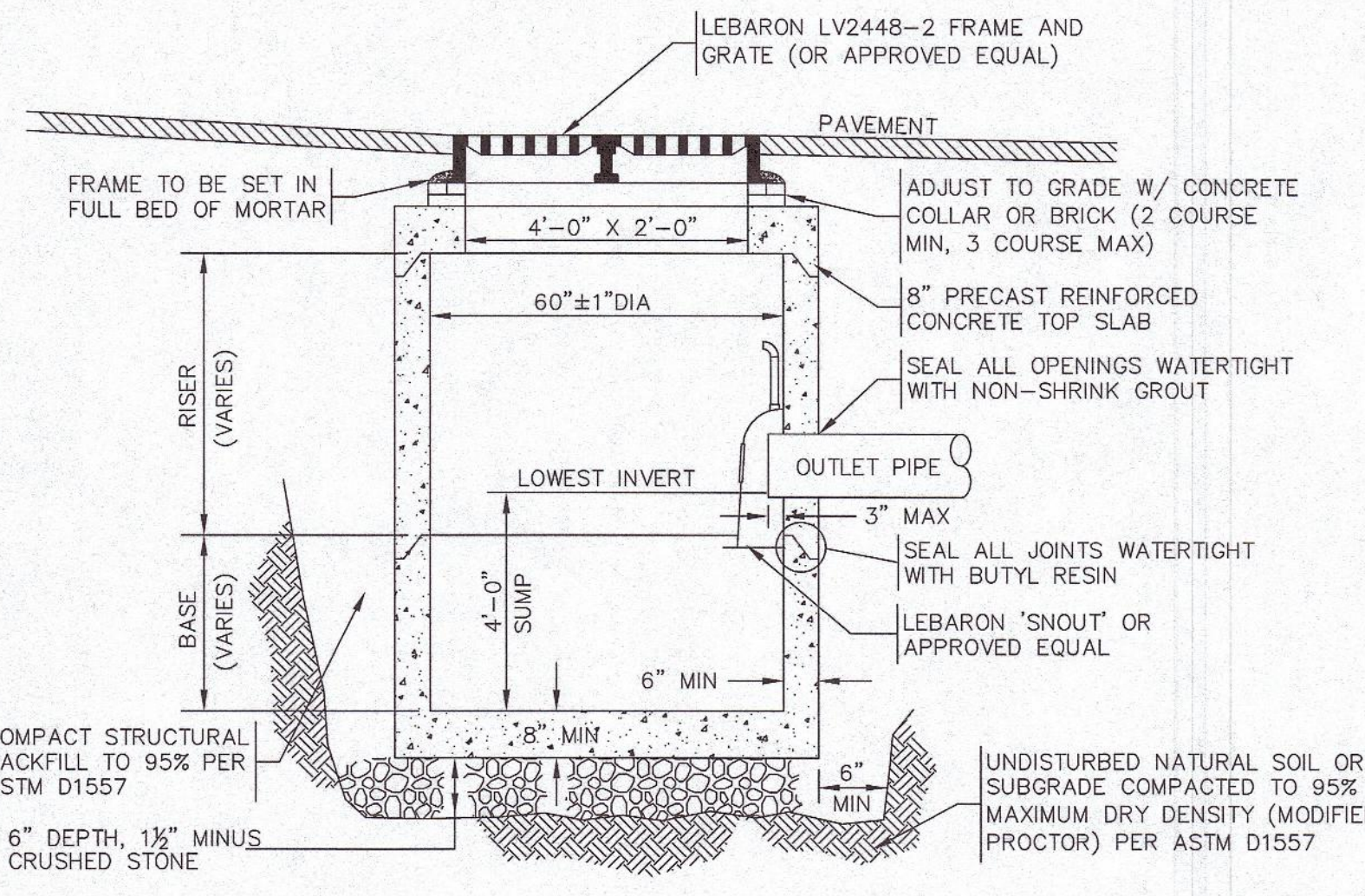
1. USE 4-FLANGE LEBARON LF248-2 GRATES AT ALL CB STRUCTURES.
2. SUBMIT SHOP DRAWINGS FOR APPROVAL.
3. REINFORCED STEEL CONFORMS TO LATEST A185 SPEC. 0.12 SQ. IN./LINEAL FT. (0.15 SQ. IN. FOR 60" DIA) AND BASE BOTTOM.
4. CONCRETE COMPRESSIVE STRENGTH 4000 PSI MIN.
5. JOINT SEALANT SHALL BE SYNTHETIC RUBBER GASKET THAT COMPLIES W/ C-443 OR C-361.



2 PRECAST CONCRETE DEEP SUMP CATCH BASIN
7.4 N.T.S.

NOTES:

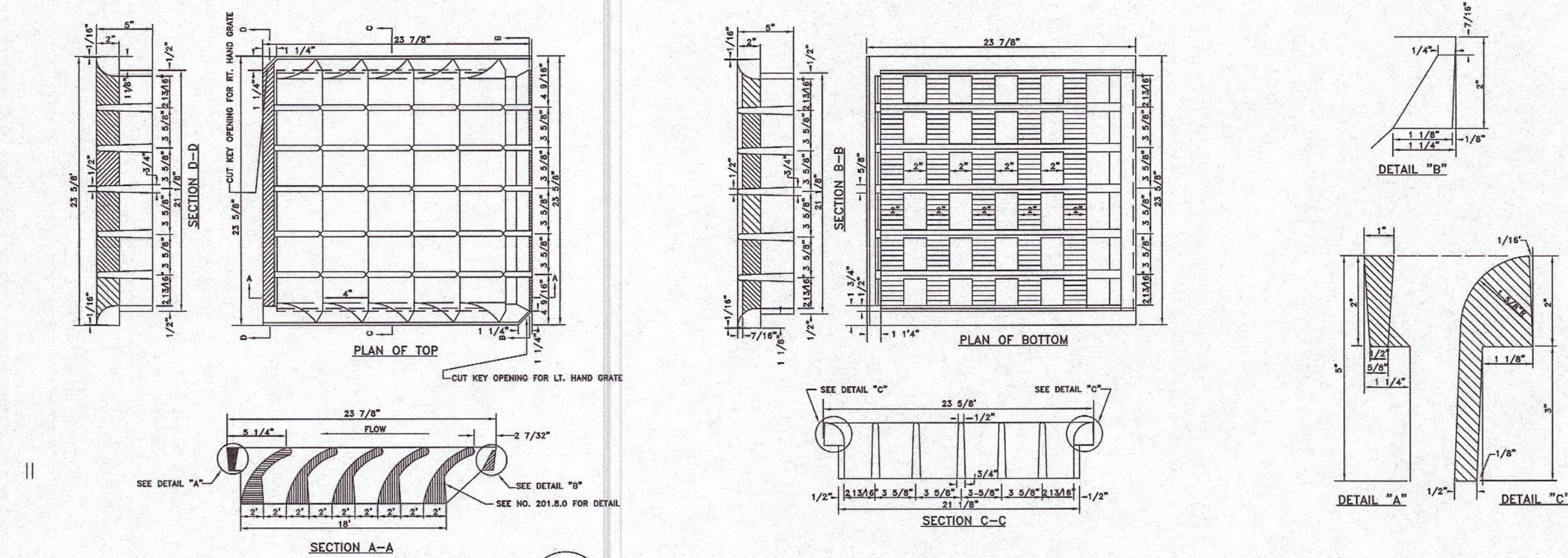
1. 4,000 PSI PRECAST CONCRETE AT 28 DAYS CONFORMING WITH LATEST ASTM C478.
2. REINFORCING PER LATEST ASTM A185.
3. STRUCTURE SHALL BE RATED FOR H-20 LOADING UNLESS SPECIFIED OTHERWISE.
4. VERIFY FRAME AND GRATE TO SUIT APPLICATION



3 PRECAST CONCRETE DOUBLE GRATE DEEP SUMP CATCH BASIN
7.4 N.T.S.

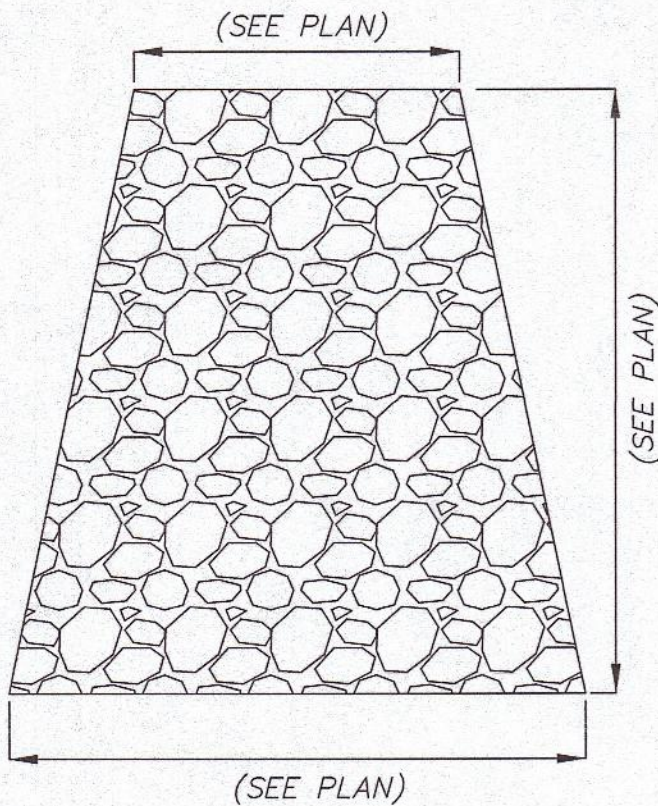
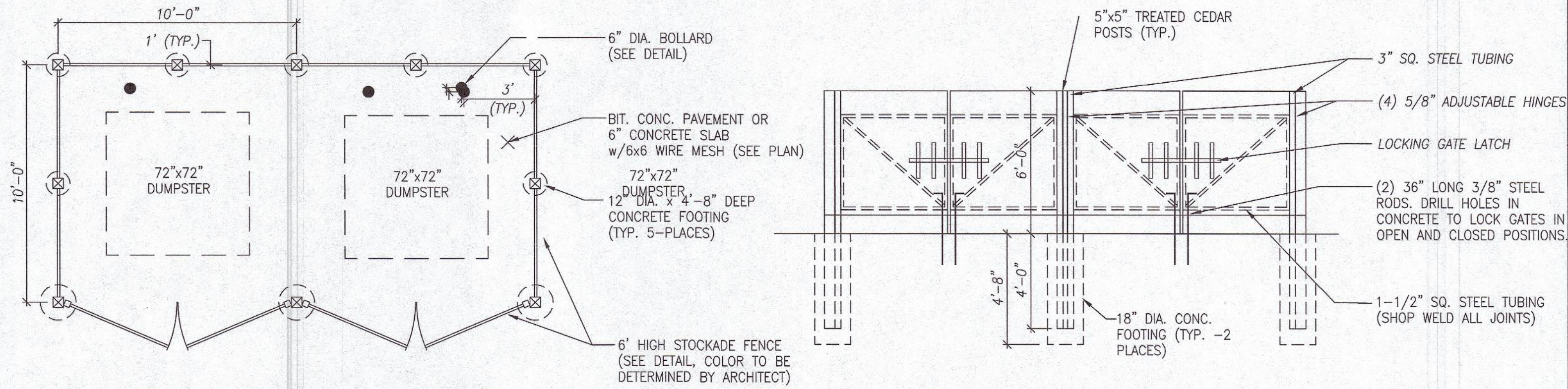
NOTE:

1. CASCADE GRATES ARE REQUIRED WHERE THE ROAD GRADE IS 7% (SEVEN PERCENT) OR GREATER PER SUBDIVISION RULES AND REGULATIONS.



4 CASCADE CATCH BASIN GRATE
7.4 N.T.S.

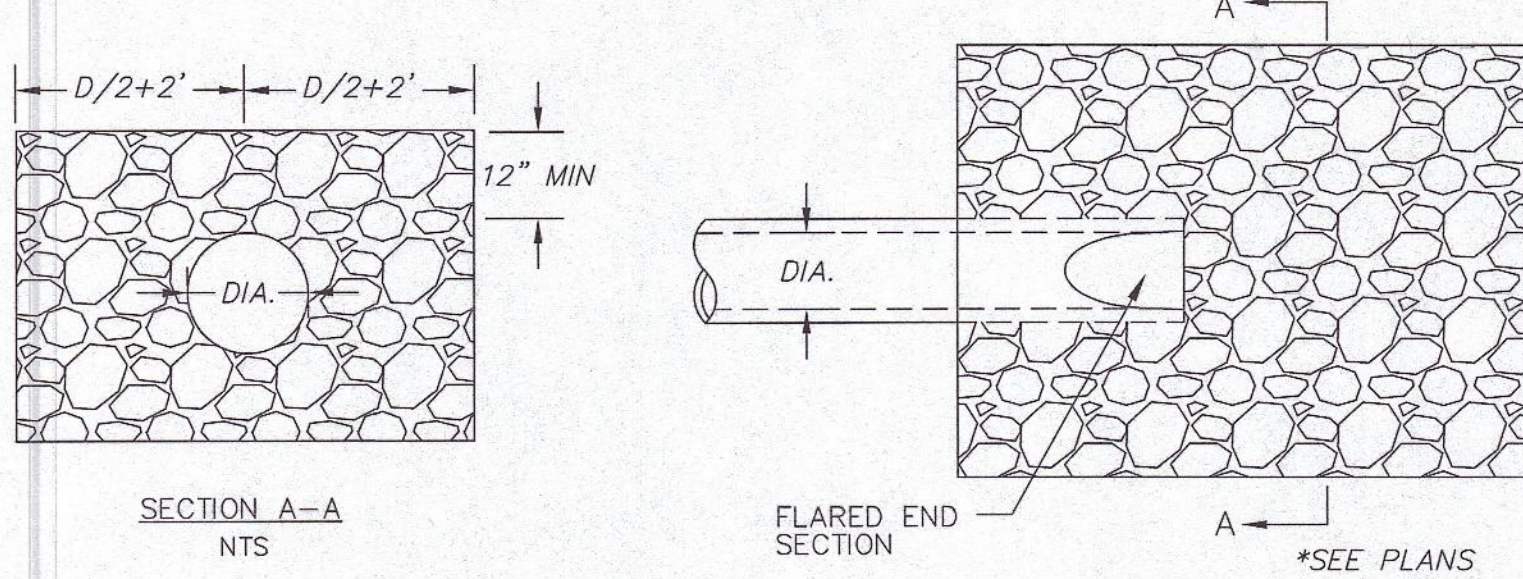
5 TRASH ENCLOSURE
7.4 N.T.S.



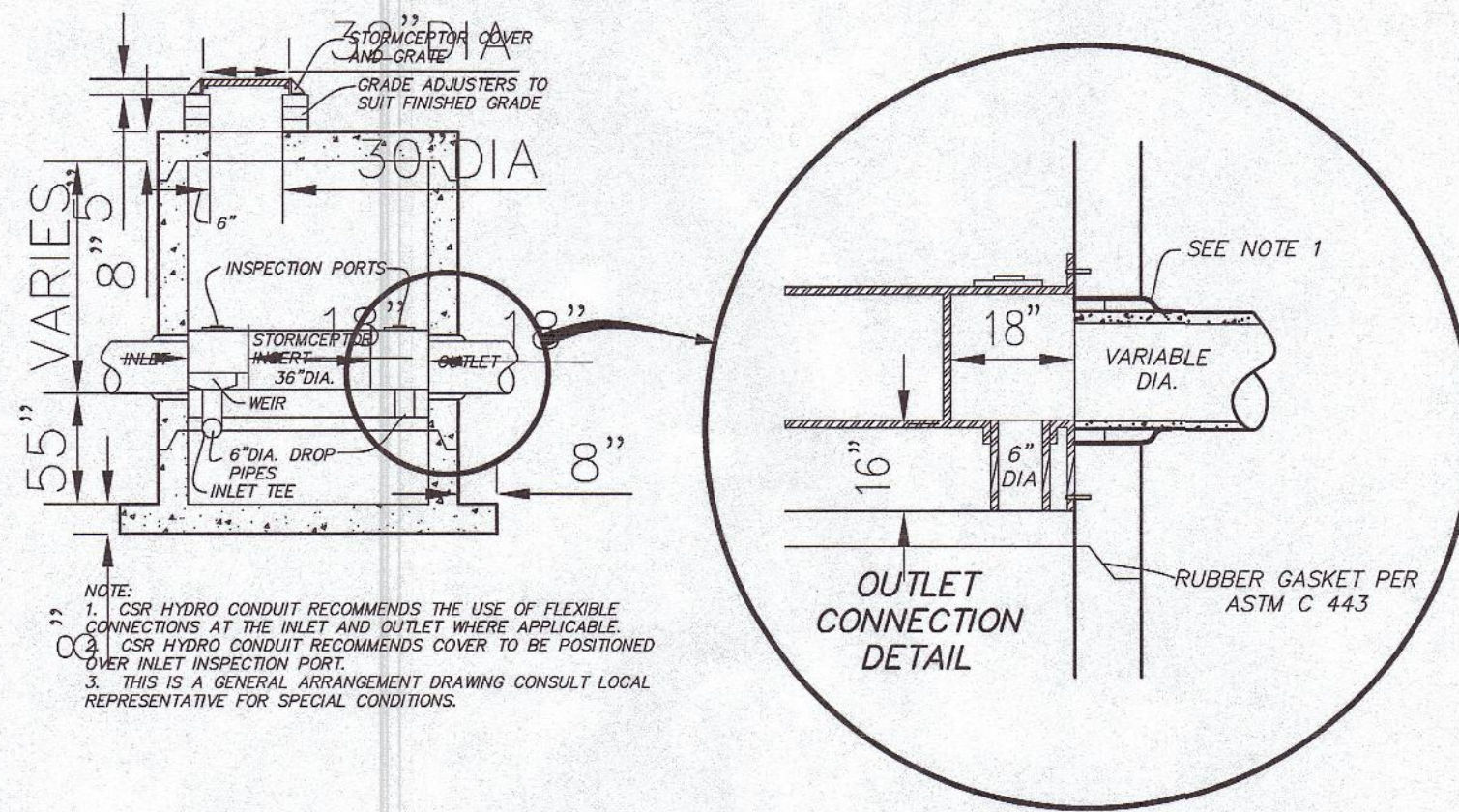
TYPICAL OUTFALL RIP-RAP APRON

NOTES:

1. MINIMUM STONE DIAMETER: 6"
2. MINIMUM WEIGHT OF STONE: 50 LBS.
3. MAXIMUM WEIGHT OF STONE: 125 LBS.
4. PLACE ALL RIP-RAP OVER FILTER FABRIC, AMOCO 4508 OR APPROVED EQUAL.

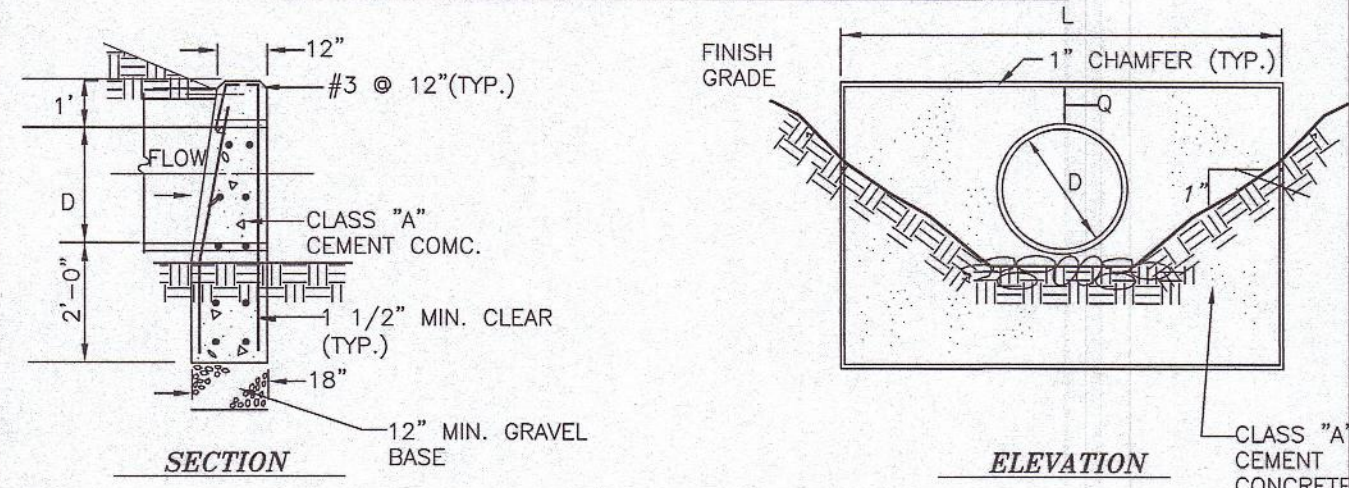


6 STONE RIP-RAP FOR PIPE ENDS
7.4 N.T.S.



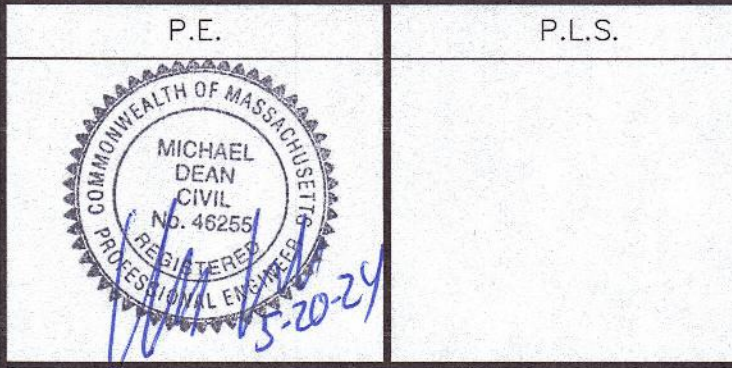
7 STC 900 STORMCEPTOR
7.4 N.T.S.

TRENCH EXCAV. 1' DEPTH	PIPE DIA.	C.F.	1 1/2:1 SLOPE			2:1 SLOPE		
			"D"	"L"	CONC. STEEL C.Y. LBS	"L"	CONC. STEEL C.Y. LBS	C.F.
21.60	8"	4'-2"	0.77	15	5'-10"	1.08	21	27.40
23.91	10"	4'-10"	0.92	20	6'-8"	1.28	23	30.35
26.25	12"	5'-6"	1.08	21	7'-6"	1.49	26	33.25
29.75	15"	6'-6"	1.54	24	8'-9"	1.82	32	37.63
33.75	18"	7'-6"	1.81	30	10'-0"	2.18	39	42.00
37.55	21"	8'-6"	1.95	34	11'-6"	2.62	43	47.25
39.38	24"	9'-3"	2.16	35	12'-6"	2.97	50	50.75
43.75	30"	10'-6"	2.63	44	15'-0"	3.86	62	59.50



8 TYP. CONCRETE HEADWALL DETAIL
7.4 N.T.S.

NOTE: DEBRIS GRATE REQUIRED ON ALL PIPES WITH A DIAMETER GREATER THAN 36"



REVISIONS

REV.	DATE	DESCRIPTION
1	1/8/24	REVISED PLANS.
2	3/25/24	REVISED PLANS
3	5/19/24	REVISED PLANS.

PROJECT NO.	J-016
DESIGNED BY	PML
CHECKED BY	MD
DATE	9/13/23
CAD FILE	J-016 SITE PLAN
PLAN NO.	

APPLICANT/DEVELOPER:

LOBISSER BUILDING CORP.

1 Charlesview Road • Hopedale, MA 01747
P: (608) 478-6235

TITLE:

Upton Apartments

47 Main Street,

Upton Massachusetts

Preliminary

Residential Development Plans
Comprehensive Permit Application
Upton Zoning Board of Appeals

SHEET TITLE

CONSTRUCTION DETAILS

SHEET 4 OF 4

SHEET NO.

C-7.4