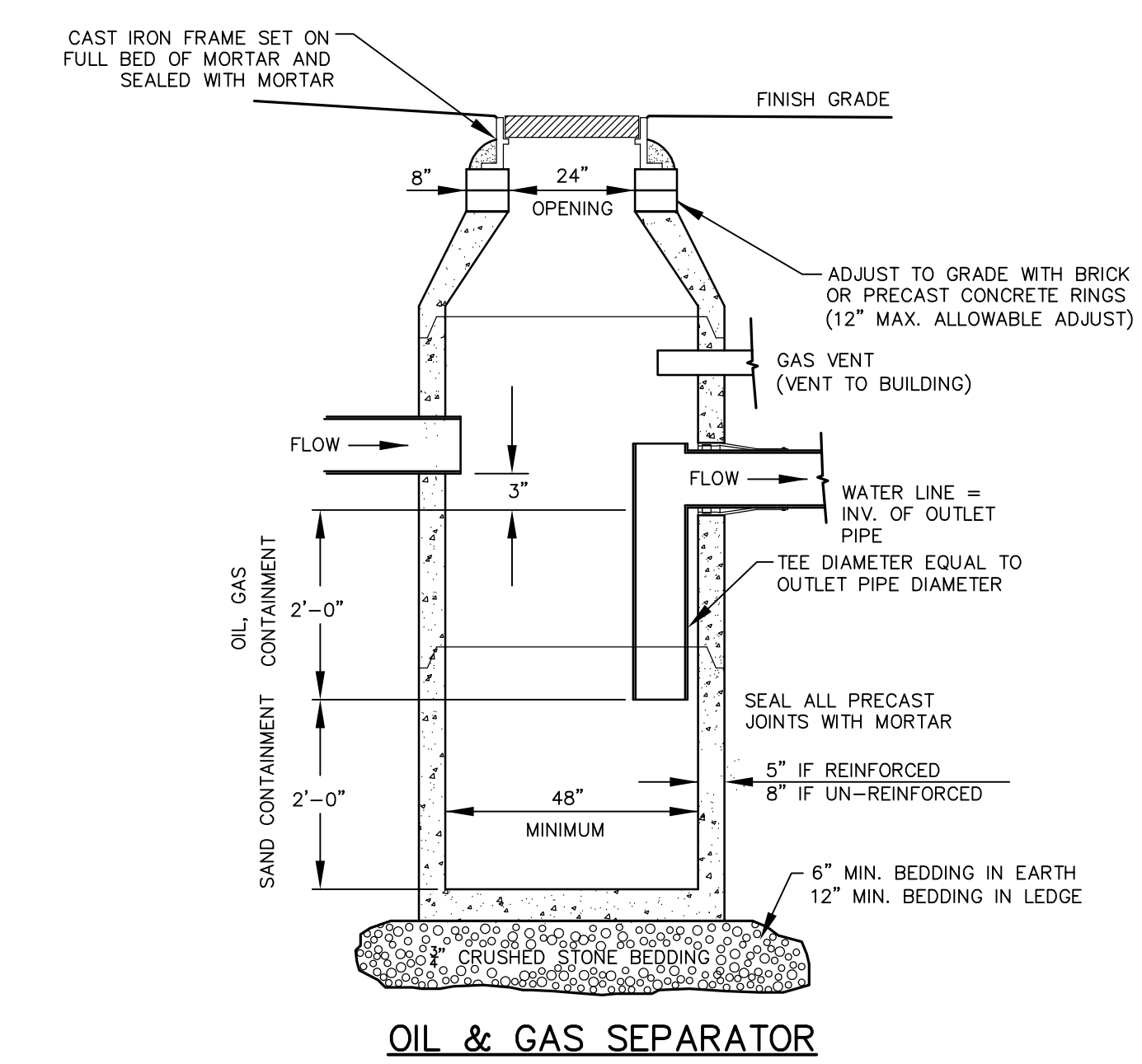
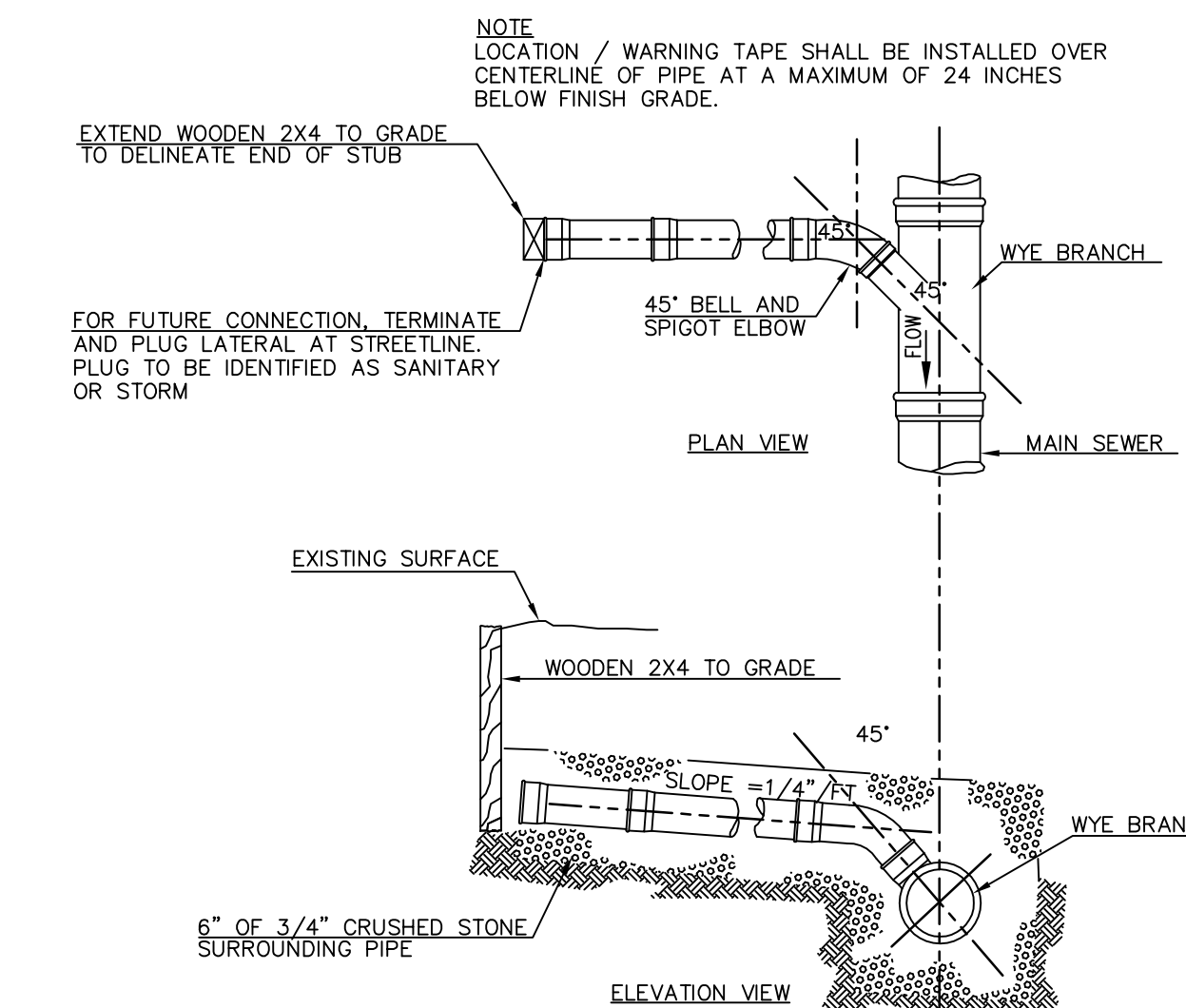


- NOTES:**
- STONE SIZE-- AASHTO DESIGNATION M43, SIZE NO. 2 (2 1/2" TO 1 1/2"). USE CRUSHED STONE.
 - LENGTH-- AS SHOWN ON PLANS, MIN. 50 FEET.
 - THICKNESS-- NOT LESS THAN EIGHT (8) INCHES.
 - WIDTH-- NOT LESS THAN FULL WIDTH OF ALL POINT OF INGRESS OR EGRESS.
 - MAINTENANCE-- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN-OUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY.

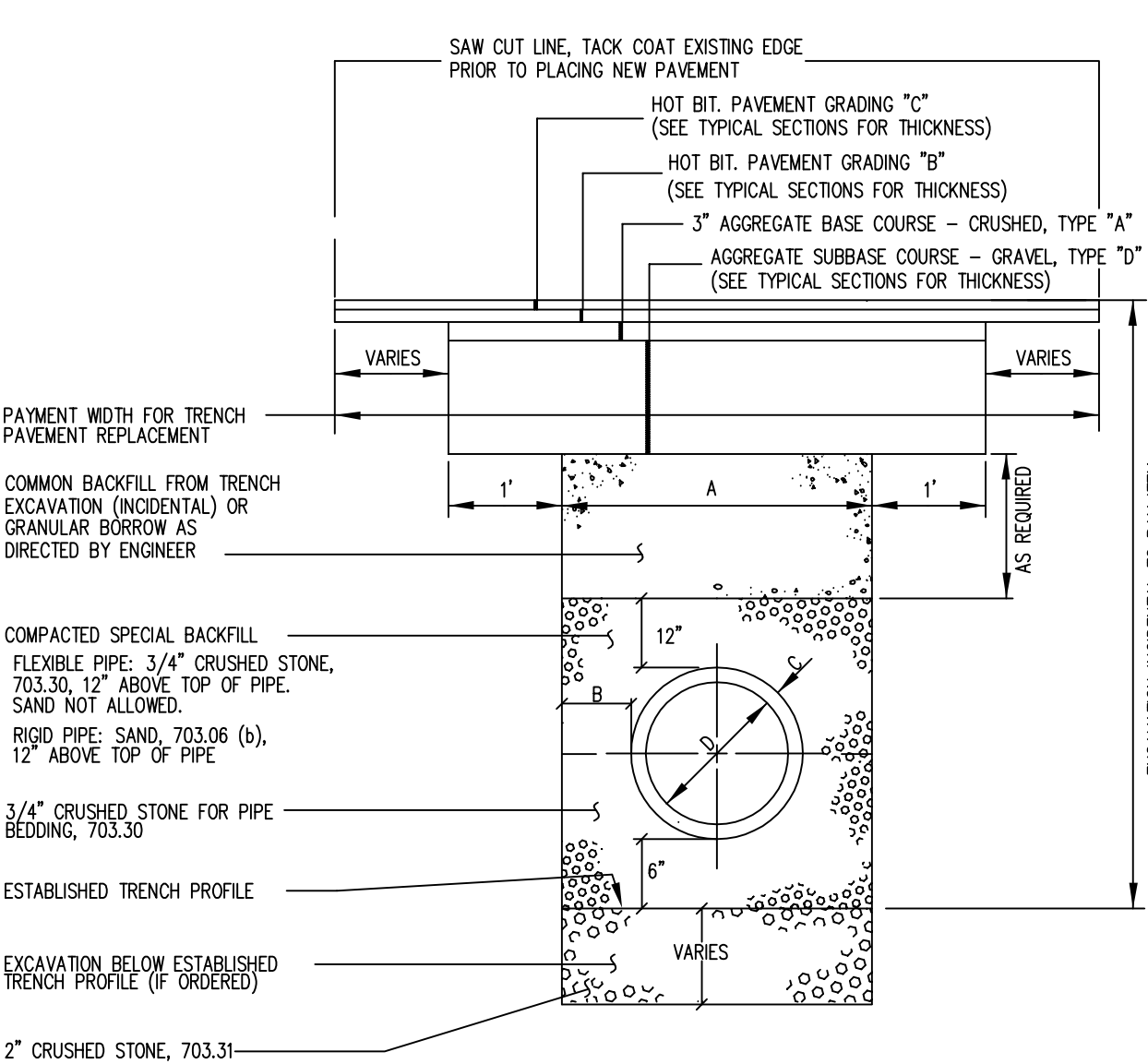
STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE



OIL & GAS SEPARATOR
NOT TO SCALE



TYPICAL HOUSE LATERAL WYE CONNECTION DETAIL
NOT TO SCALE



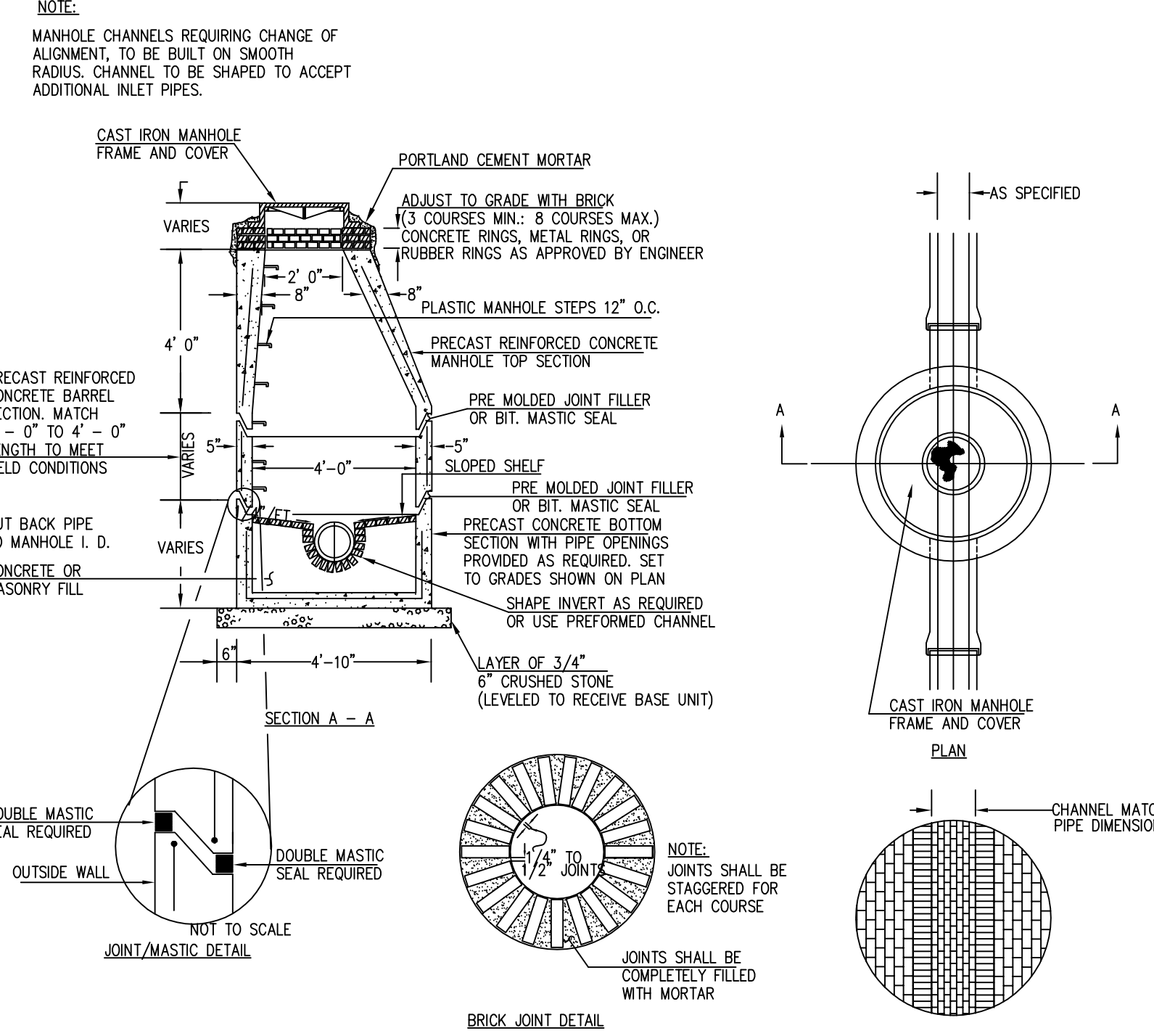
TYPICAL PIPE INSTALLATION DETAIL
NOT TO SCALE

TABLE OF DIMENSIONS REINFORCED CONCRETE PIPE				VOL. BASE /100' UNSHEETED O. D. BELL
D	A	B	C	
12"	3'-0"	0'-10"	0'-2"	8,319 20 1/4"
15"	3'-0"	0'-8 1/4"	0'-2 1/4"	8,626 24 1/8"
18"	3'-0"	0'-6 1/2"	0'-2 1/2"	8,925 28"
21"	3'-0 1/2"	0'-6"	0'-2 3/4"	9,266 31 7/8"
24"	3'-0"	0'-6"	0'-3"	11,233 35 3/4"
27"	3'-9 1/2"	0'-6"	0'-3 1/4"	12,655
30"	4'-1"	0'-6"	0'-3 1/2"	14,120
33"	4'-4 1/2"	0'-6"	0'-3 3/4"	15,722
36"	4'-8"	0'-6"	0'-4"	17,338
42"	5'-3"	0'-6"	0'-4 1/2"	20,726
48"	5'-10"	0'-6"	0'-5"	24,463
54"	6'-5"	0'-6"	0'-5 1/2"	28,404
60"	7'-0"	0'-6"	0'-6"	32,607
66"	7'-7"	0'-6"	0'-6 1/2"	37,074
72"	8'-2"	0'-6"	0'-7"	41,886
78"	8'-9"	0'-6"	0'-7 1/2"	46,881
84"	9'-4"	0'-6"	0'-8"	52,149
90"	9'-11"	0'-6"	0'-8 1/2"	57,769
96"	10'-6"	0'-6"	0'-9"	63,532

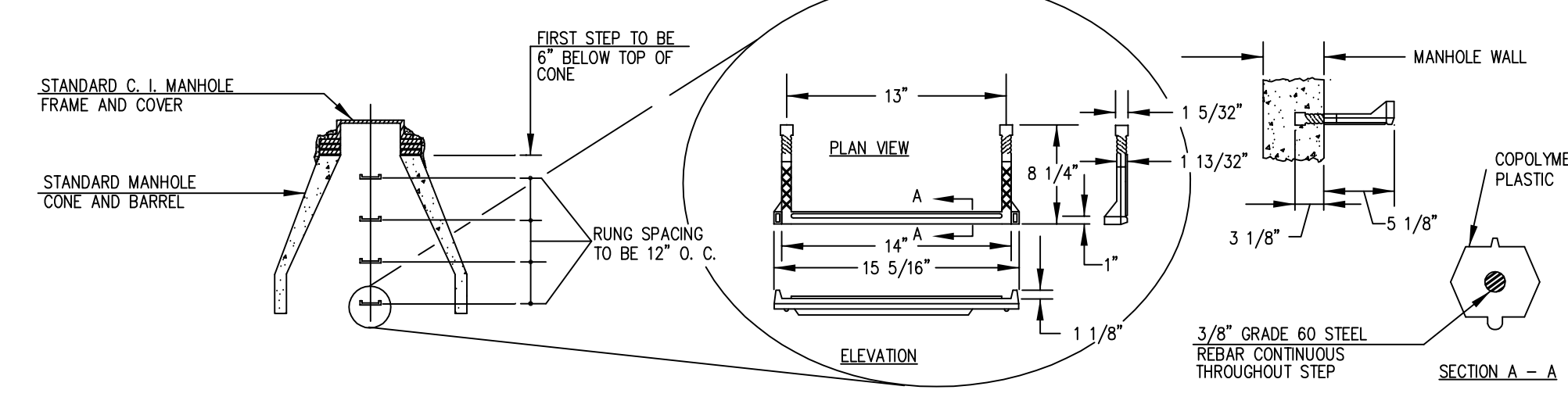
27 in. THROUGH 96 in. INCLUSIVE - TONGUE & GROOVE JOINTS

TABLE OF DIMENSIONS PVC, TRUSS, CMP & POLYETHYLENE PIPE				VOL. BASE /100' UNSHEETED O. D. SOCKET
D	A	B	C	
8"	3'-0"	1'-1 1/2"	0'-1 1/2"	7,358 10 3/8"
10"	3'-0"	1'-0 3/8"	0'-0 5/8"	7,658 12 1/2"
12"	3'-0"	0'-11 3/8"	0'-0 5/8"	7,932 14 1/2"
14"	3'-0"	0'-10 3/8"	0'-0 5/8"	8,178 16 3/4"
16"	3'-0"	0'-9 1/4"	0'-0 3/4"	8,447 19"
18"	3'-0"	0'-8 1/4"	0'-0 3/4"	8,663 21 1/8"
20"	3'-0"	0'-7 3/8"	0'-0 3/4"	8,815 23 3/8"
24"	3'-1 3/4"	0'-6"	0'-0 7/8"	9,633 27 3/4"
27"	3'-5 1/4"	0'-6"	0'-1 1/8"	10,959 31 1/8"
30"	3'-8 1/4"	0'-6"	0'-1 1/8"	12,156 34 1/2"
36"	3'-11 3/4"	0'-6"	0'-1 3/8"	13,513 38 1/8"
36"	4'-2 3/4"	0'-6"	0'-1 3/8"	14,310

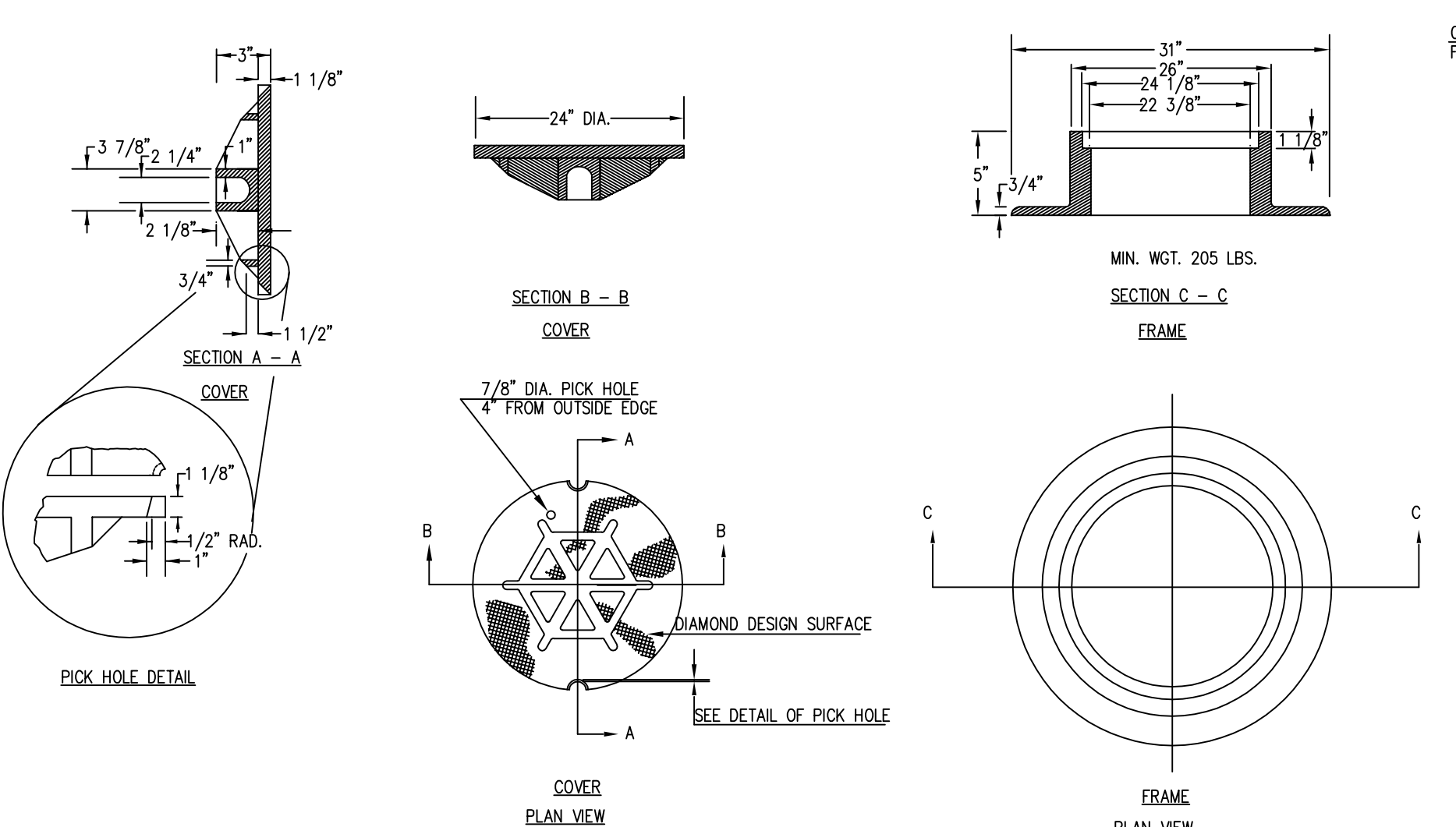
A = WIDTH OF UNSHEETED TRENCH



PRECAST CONCRETE MANHOLE TYPE "A"
NOT TO SCALE

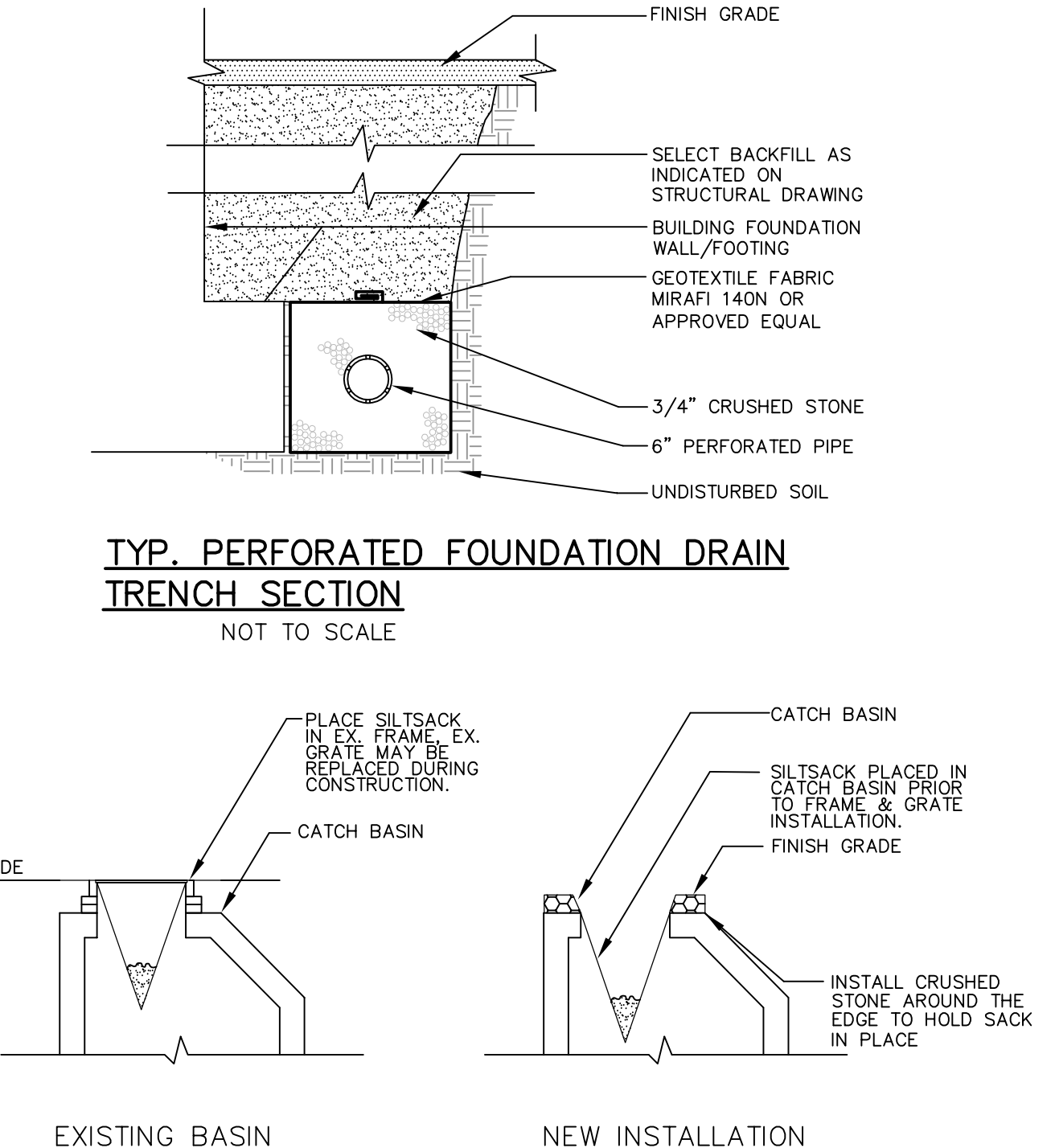


PLASTIC MANHOLE STEPS
NOT TO SCALE

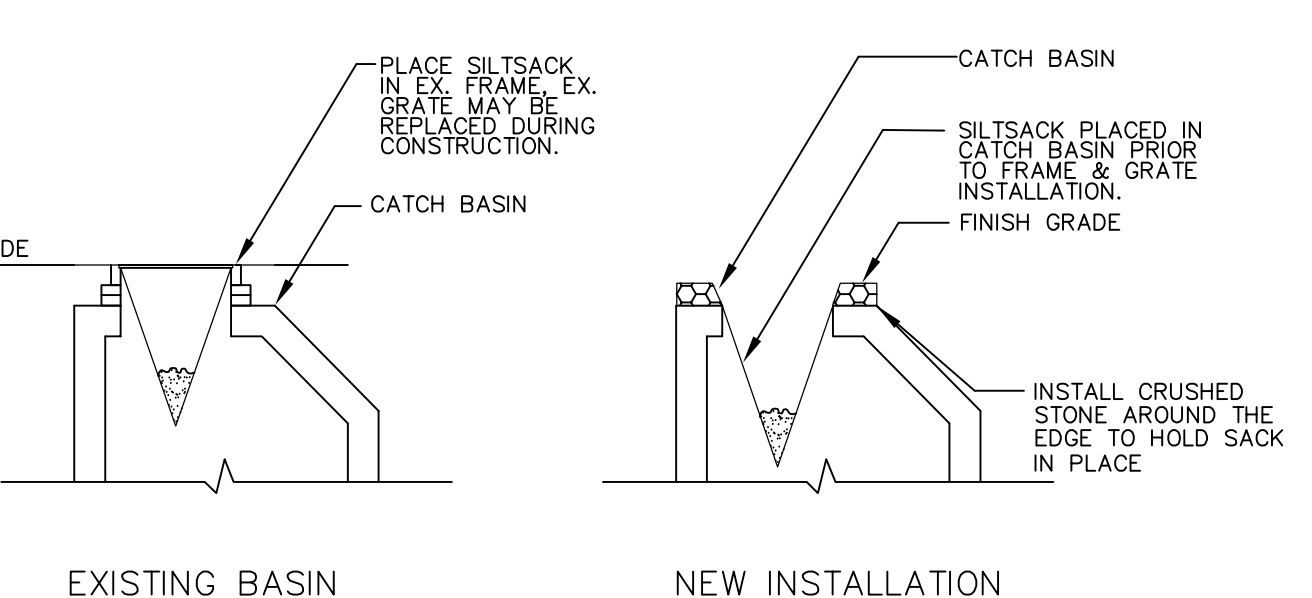


TYPE "A" CAST IRON MANHOLE COVER AND FRAME
NOT TO SCALE

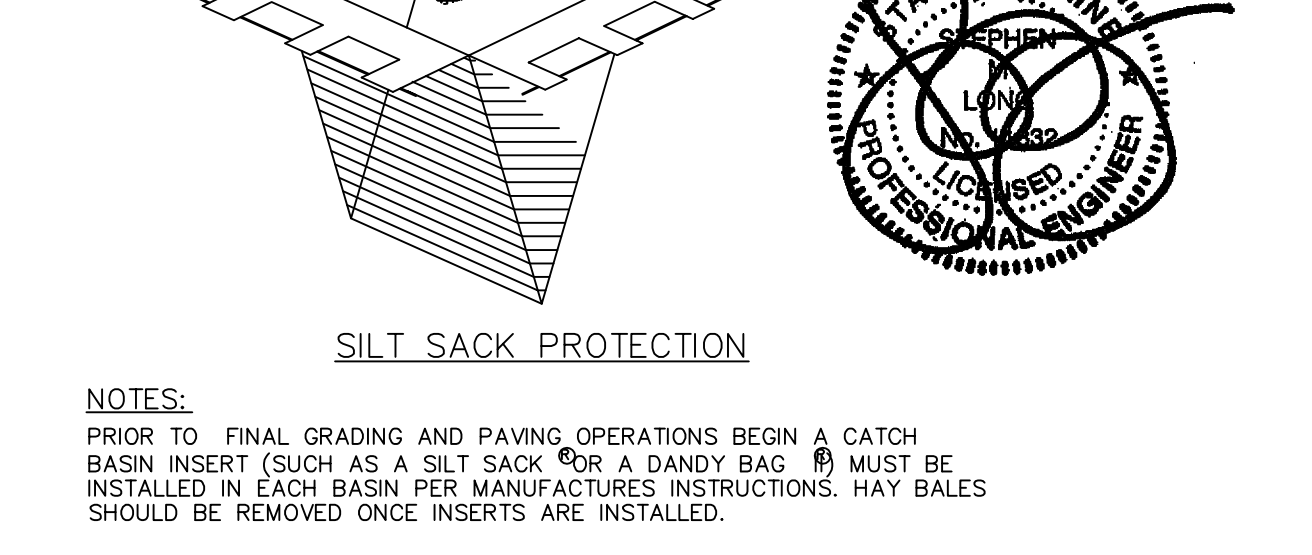
- GENERAL NOTES FOR MANHOLES AND CATCH BASINS**
- ALL CONCRETE SHALL BE CLASS "A" AND HAVE A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 4000 LBS. PER SQ. INCH AT THE END OF 28 DAYS, UNLESS OTHERWISE NOTED.
 - PRECAST REINFORCED CONCRETE MANHOLE COVERS, BOLTED COVERS SHALL BE SALVAGED BY THE CONTRACTOR, AND SHALL REMAIN THE PROPERTY OF THE CITY OF PORTLAND.
 - SEWER BRICK SHALL CONFORM TO ASTM SPEC. DESIGNATE ON C-32-63, GRADE MA AND SA.
 - ALL MANHOLES SHALL HAVE A BITUMINOUS WATERPROOFING APPLIED TO THE EXTERIOR SURFACE. IF CONSTRUCTED OF BRICK MASONRY, SURFACE SHALL BE PLASTERED WITH A SMOOTH MORTAR FINISH 3/8" THICK. AFTER THE MORTAR HAS SET, THE SURFACE SHALL BE WATERPROOFED AS REQUIRED BY SUPPLEMENTAL SPECIFICATIONS SECTION 604.
 - CASTINGS SHALL CONFORM TO ASTM DESIGNATION A48-CLASS 35. ALL PARTS OF CASTINGS, EXCEPT FINISHED SURFACE, SHALL RECEIVE A COAT OF COAL TAR PITCH VARNISH OR ASPHALTUM PAINT WHICH SHALL BE SMOOTH AND TOUGH BUT NOT BRITTLE.
 - MANHOLES MAY BE CONSTRUCTED OF MASONRY, PRECAST REINFORCED CONCRETE, OR CAST IN PLACE.
 - ALL PRECAST MANHOLES AND CATCH BASINS SHALL BE IDENTIFIED BY STATION AND OFFSET, PAINTED ON THE SIDE OF THE STRUCTURE BY THE MANUFACTURER.
 - STORM AND SEWER MANHOLES SHALL HAVE SOLID COVERS WITH ONE DRILLED PICK HOLE.
 - EXISTING MANHOLES, CATCH BASINS, FRAMES, AND COVERS SHALL BE SALVAGED BY THE CONTRACTOR, AND SHALL REMAIN THE PROPERTY OF THE CITY OF PORTLAND.
 - SEE PLANS FOR STRUCTURES THAT REQUIRE BOLTED AND SEALED SANITARY MANHOLE COVERS. BOLTED COVERS SHALL BE ETHERIDGE FOUNDRY G245N OR EQUAL. PROVIDE NEOPRENE GASKET AND STAINLESS STEEL BOLTS.



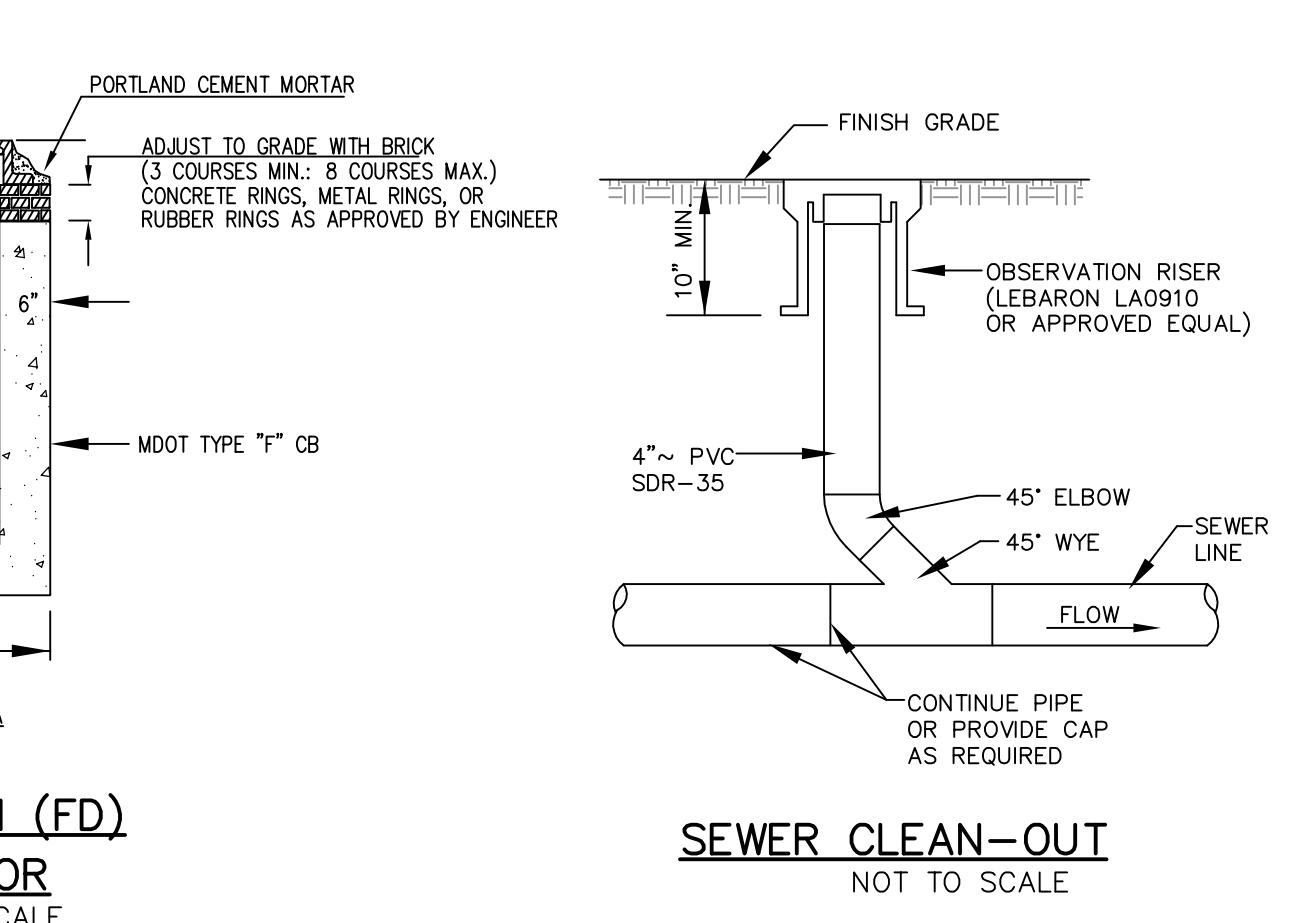
TYP. PERFORATED FOUNDATION DRAIN TRENCH SECTION
NOT TO SCALE



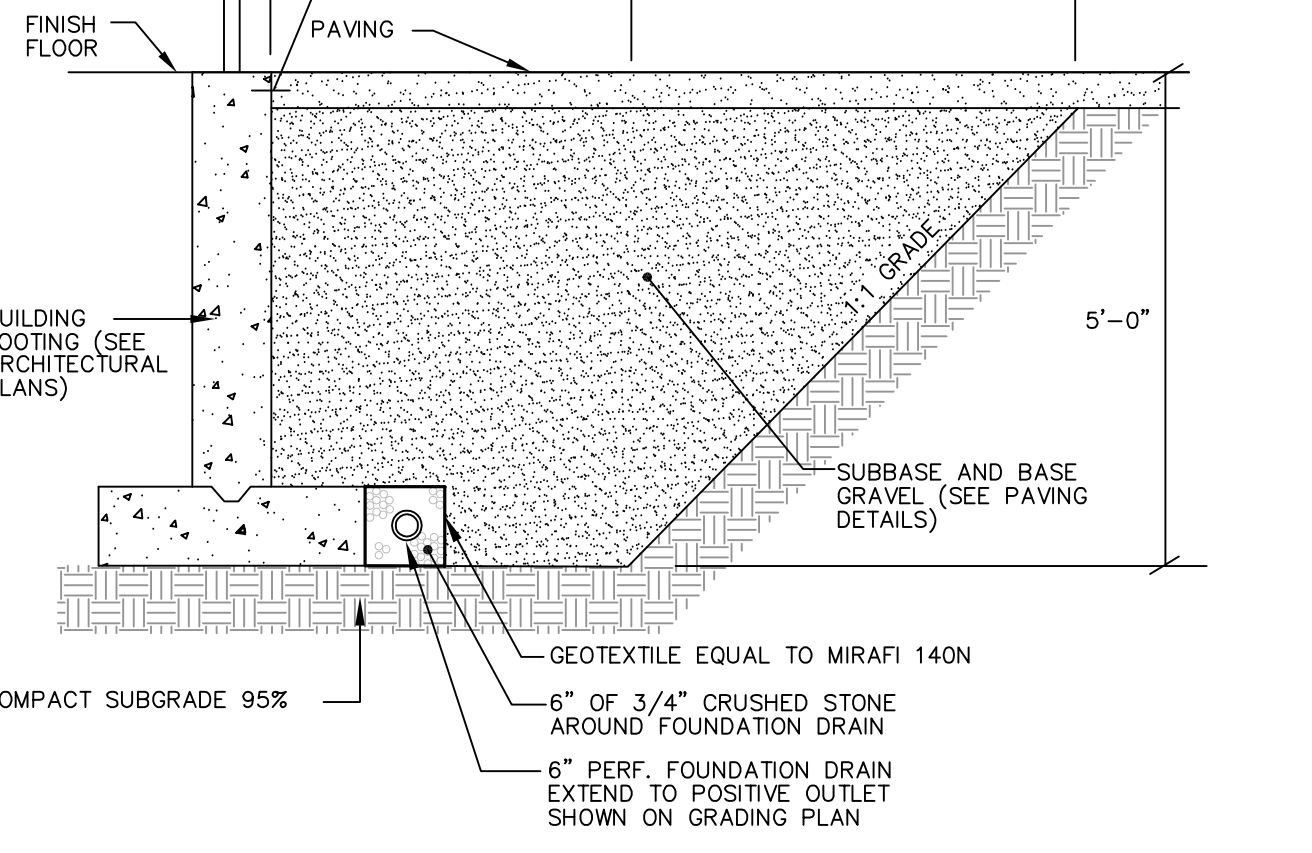
CATCH BASIN PROTECTION DETAIL (FOR PAVED AREAS)
NOT TO SCALE



SILT SACK PROTECTION



FLOOR DRAIN (FD) FIRST FLOOR
NOT TO SCALE



SEWER CLEAN-OUT
NOT TO SCALE



5' GRANULAR BASE @ DOOR THRESHOLD
NOT TO SCALE

REVISION	SCHEDULE	DESCRIPTION

LOPECHEE
CONSTRUCTION CORPORATION
1 CORPORATE DRIVE, BELMONT NH 03220
PHONE (603) 527-9090 FAX (603) 527-5191

DRAINAGE DETAILS

PHASE II MIXED USE REDEVELOPMENT OF THE FORMER JORDAN'S MEATS SITE
PORTLAND, ME

PROJECT: PHASE II MIXED USE REDEVELOPMENT OF THE FORMER JORDAN'S MEATS SITE
DATE: 05-01-12
SCALE: 1"=20"
DRAWN BY: SML

C10
SHEET: 10 OF 11