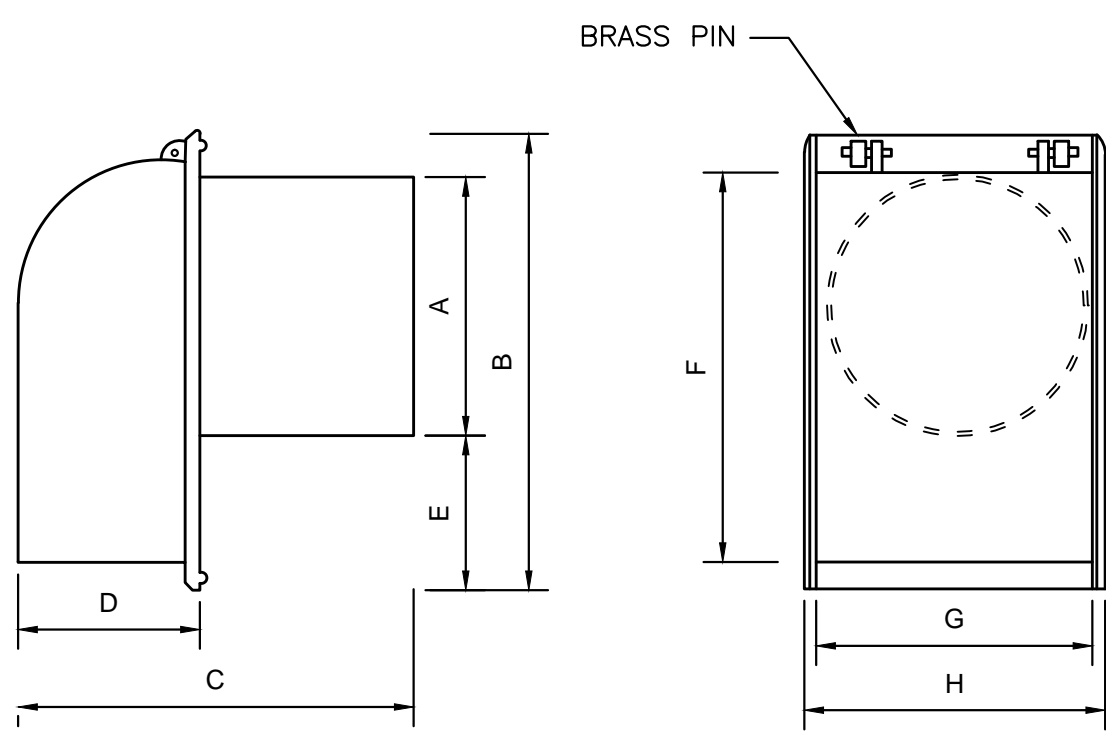


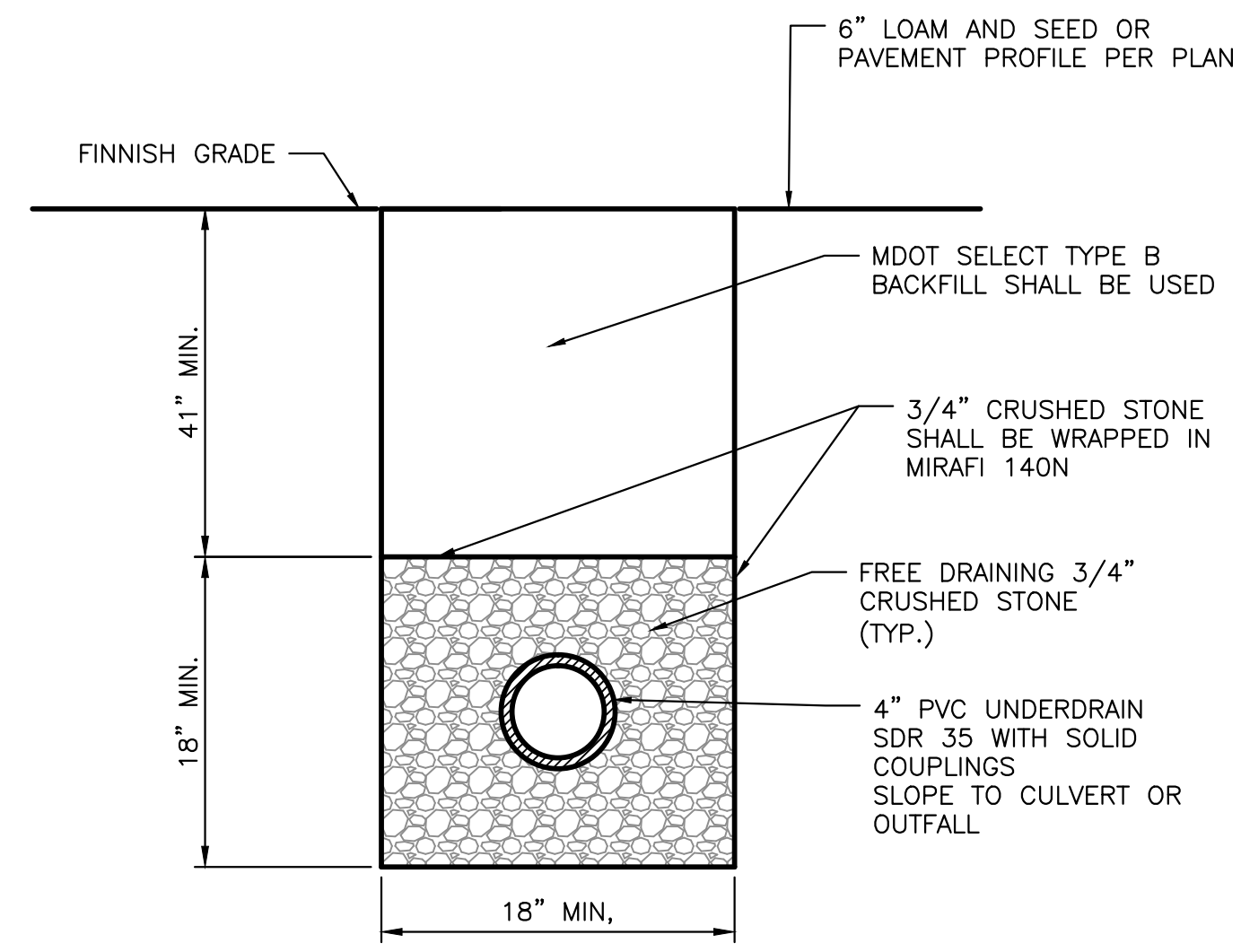
NOTES:

1. INSTALL ETHERIDGE FOUNDRY CASCO TRAP IN ALL CATCH BASINS WITH A 12" OR 15" OUTLET PIPE.
2. THE CASCO TRAP IS AN ETHERIDGE STYLE DESIGNED TO ELIMINATE CEMENTING OF THE TRAP.
3. TO INSTALL, THE CASCO TRAP IS INSERTED INTO THE SEWER PIPE WITH THE HOOD DOWN.



SIZE	A	B	C	D	E	F	G	H
6"	5 1/2	13 3/8	13 3/8	5 3/8	5 7/8	11 5/8	6 1/2	7 1/4
8"	7 1/2	15	15 3/8	5 1/2	5 3/8	13 3/4	8 3/4	9 3/8
10"	9 1/2	16	16 1/4	6	4 1/2	14 1/8	11 1/2	12 3/8
12"	11 1/2	17	22	8	3 1/2	17	12 1/2	13 3/8
15"	14 1/2	21	3/4	22 3/4	10 1/4	7	20 1/2	14 1/4

CASCO TRAP DETAIL
NOT TO SCALE

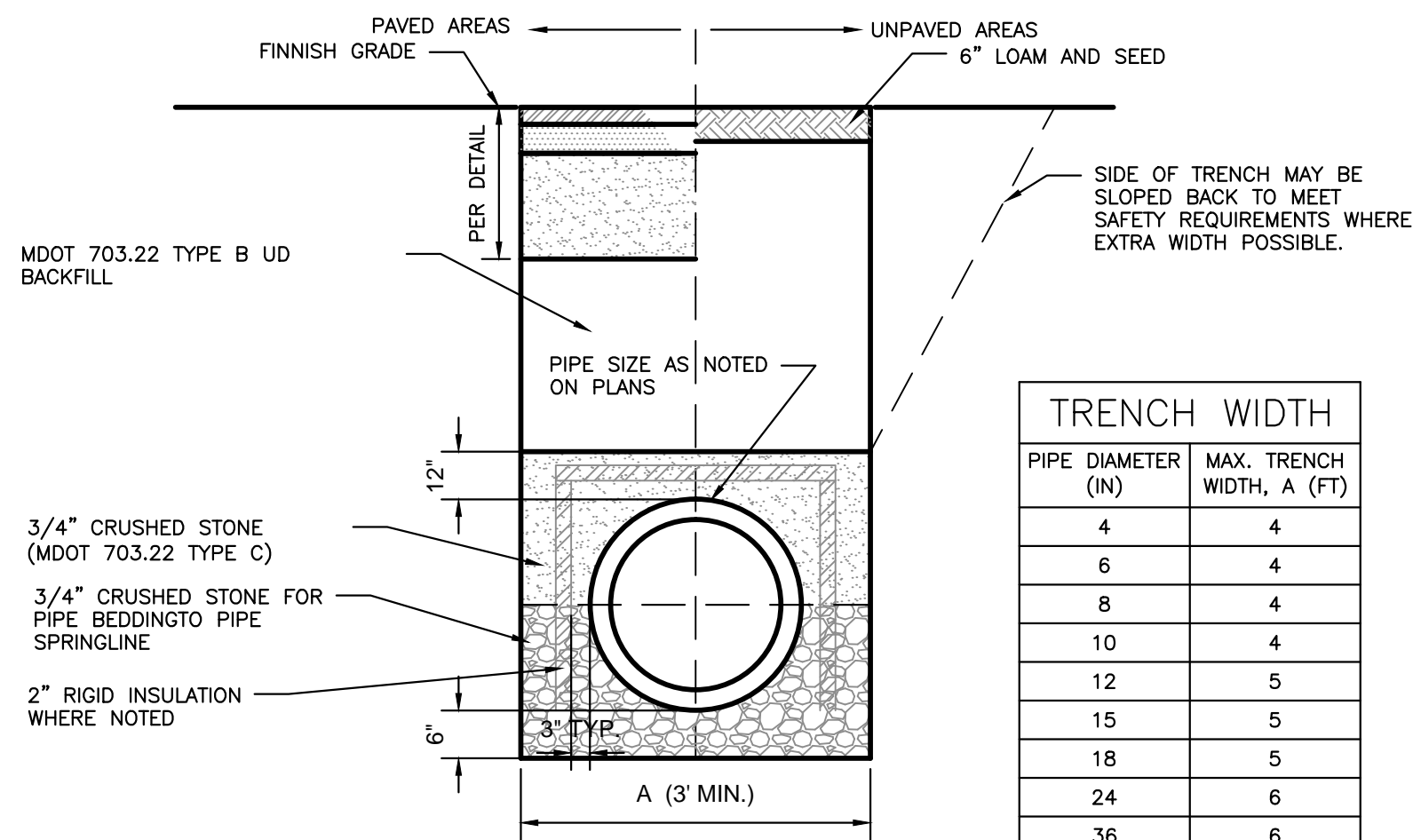


- NOTES:
1. MINIMUM UNDERDRAIN SLOPE 0.0025 (0.25%)
 2. UNDERDRAIN SPACING 75' BETWEEN DRAINS.
 3. PERFORATIONS IN UNDERDRAIN PIPE SHALL BE ORIENTED DOWN.

UNDERDRAIN DETAIL
NOT TO SCALE

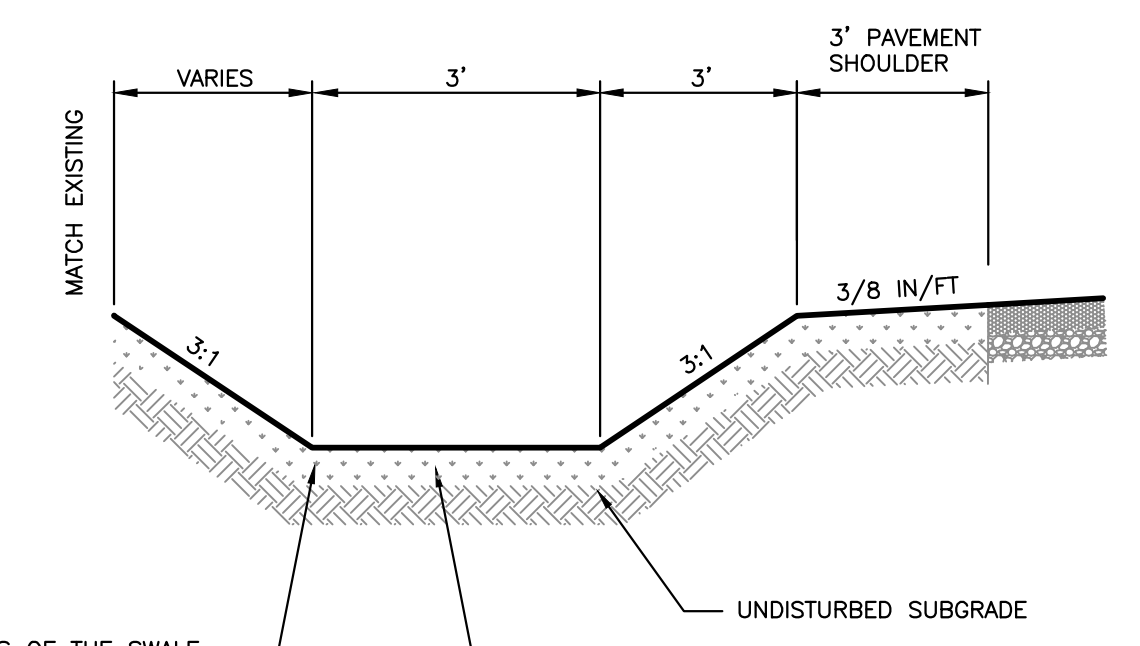
DESIGN NOTES:

1. ANY ALTERNATE TRENCHING METHODS SHALL BE APPROVED IN ADVANCE BY THE CITY.
2. ALL CONSTRUCTION METHODS SHALL CONFORM TO THE CITY OF PORTLAND TECHNICAL STANDARDS FIGURE II-12.
3. BRACING & SHEETING OR OTHER TRENCH PROTECTION TO BE PROVIDED TO MEET APPLICABLE STATE AND O.S.H.A. SAFETY STANDARDS. ALL SUCH TRENCH PROTECTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
4. PERFORATIONS IN STORM DRAIN (PERF.SD) SHALL BE ORIENTED UP.
5. ALL PERFORATED STORM DRAIN SHALL BE PVC SDR 35 MIN PS-46 RATING OR APPROVED EQUAL.



PIPE DIAMETER (IN)	MAX. TRENCH WIDTH, A (FT)
4	4
6	4
8	4
10	4
12	5
15	5
18	5
24	6
36	6
48	7

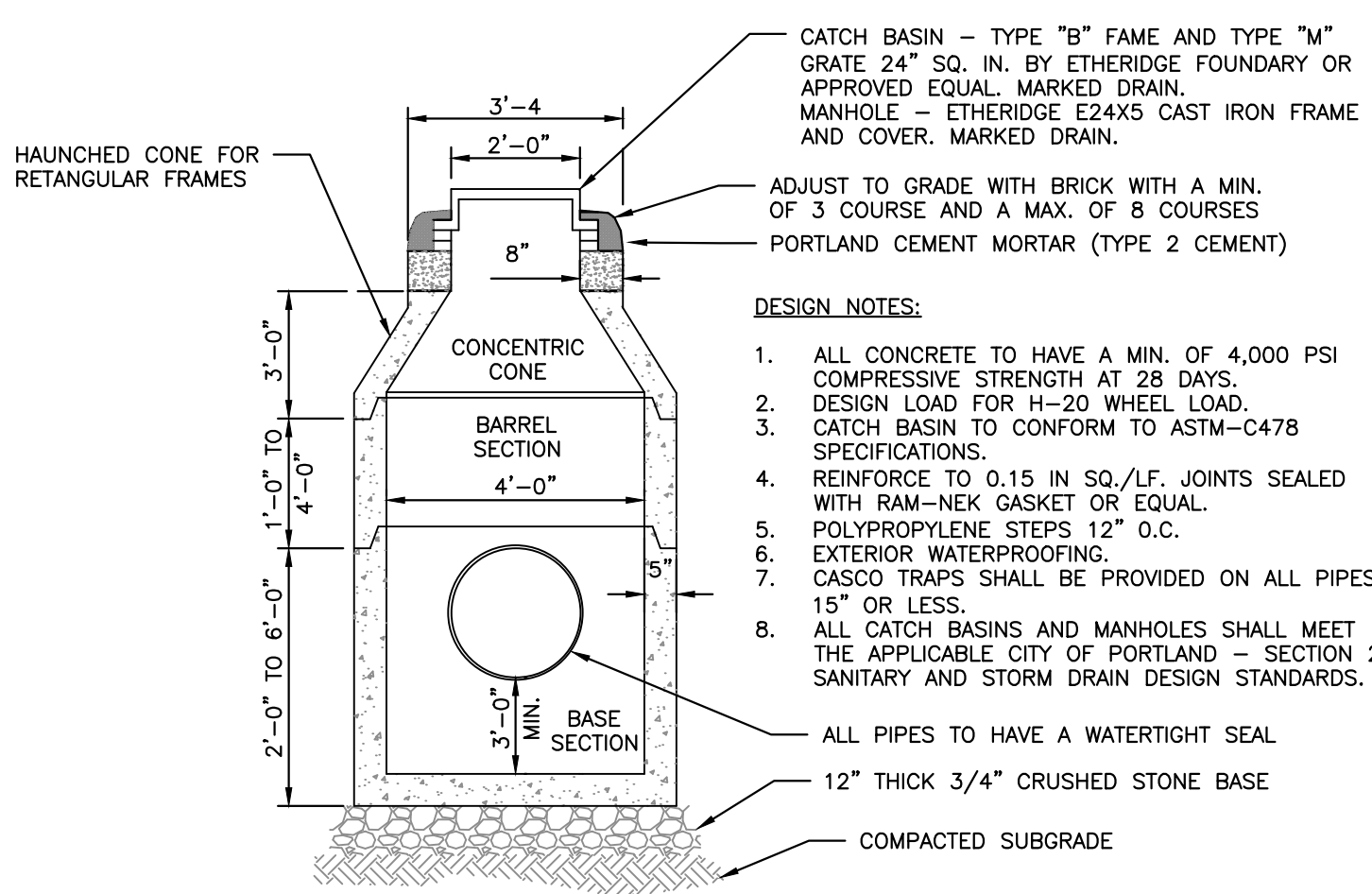
SINGLE PIPE TRENCH
NOT TO SCALE



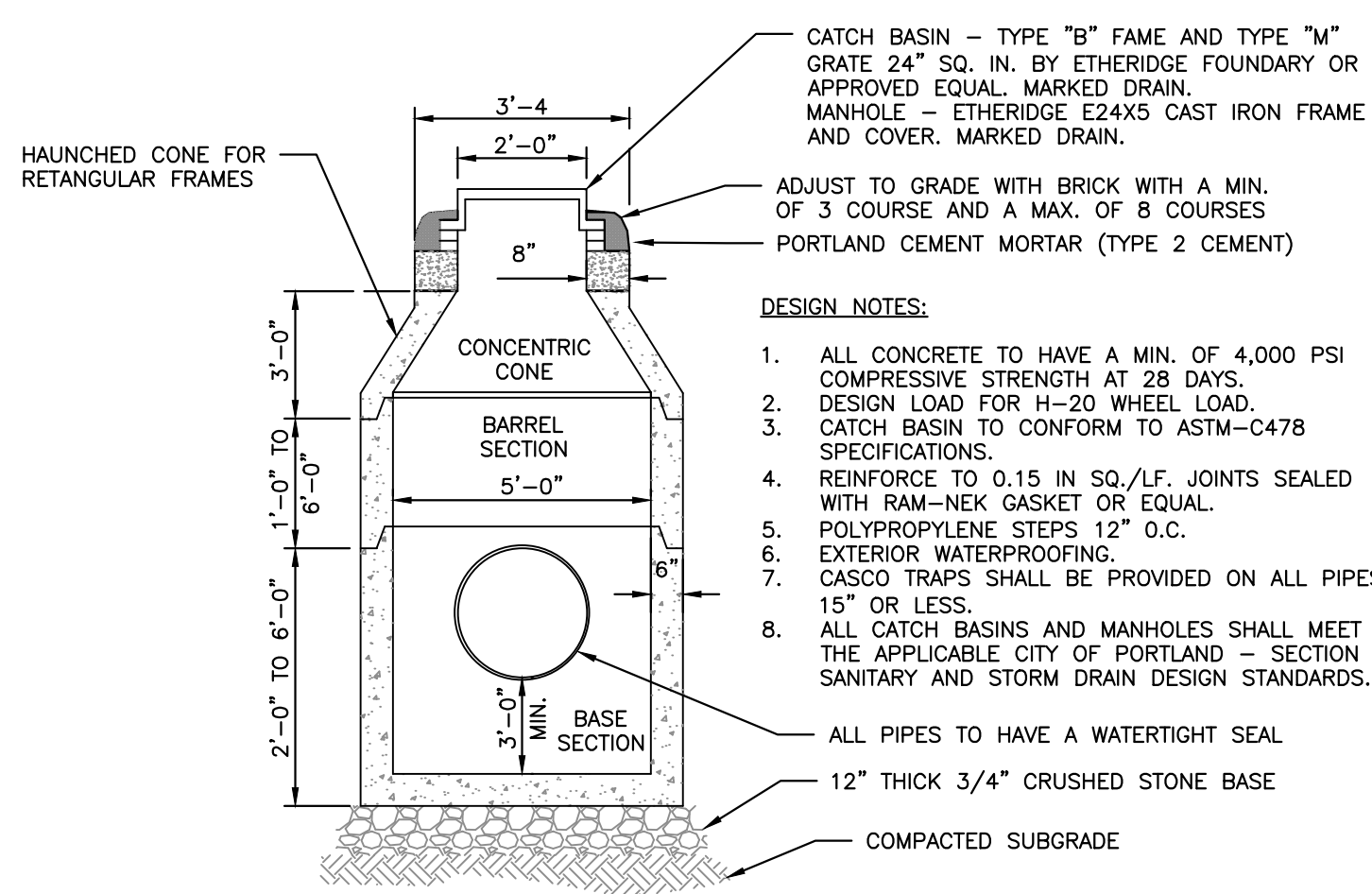
THE BOTTOM AND SIDESLOPES OF THE SWALE SHALL RECEIVE A MIN. 6" OF LOAM AND STABILIZED WITH DOUBLE NET EROSION CONTROL BLANKETS SC150BN BY NORTH AMERICAN GREEN OR APPROVED EQUAL. REFER TO THE EROSION CONTROL BLANKET CHANNEL INSTALLATION DETAIL. INSTALL THESE ITEMS PRIOR TO THE CHECK DAM INSTALLATION.

ALL DISTURBED AREAS SHALL BE GRADED, LOAMED, SEED, MULCHED AS SOON AS POSSIBLE OR WITHIN 7 DAYS FOLLOWING THE COMPLETION OF ANY DISTURBANCE AND PRIOR TO ANY STORM EVENT.

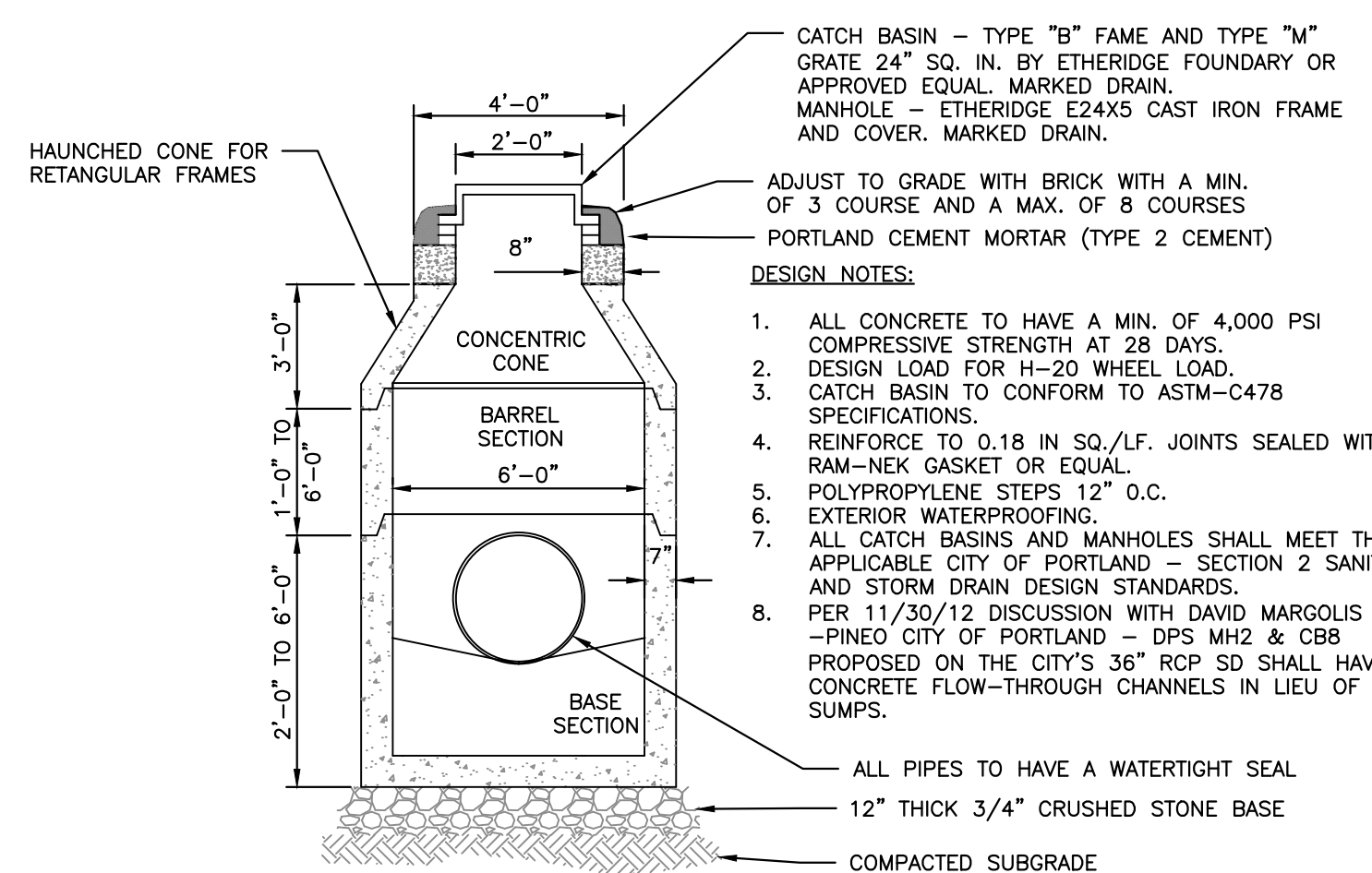
TYPICAL DRAINAGE SWALE CROSS-SECTION
NOT TO SCALE



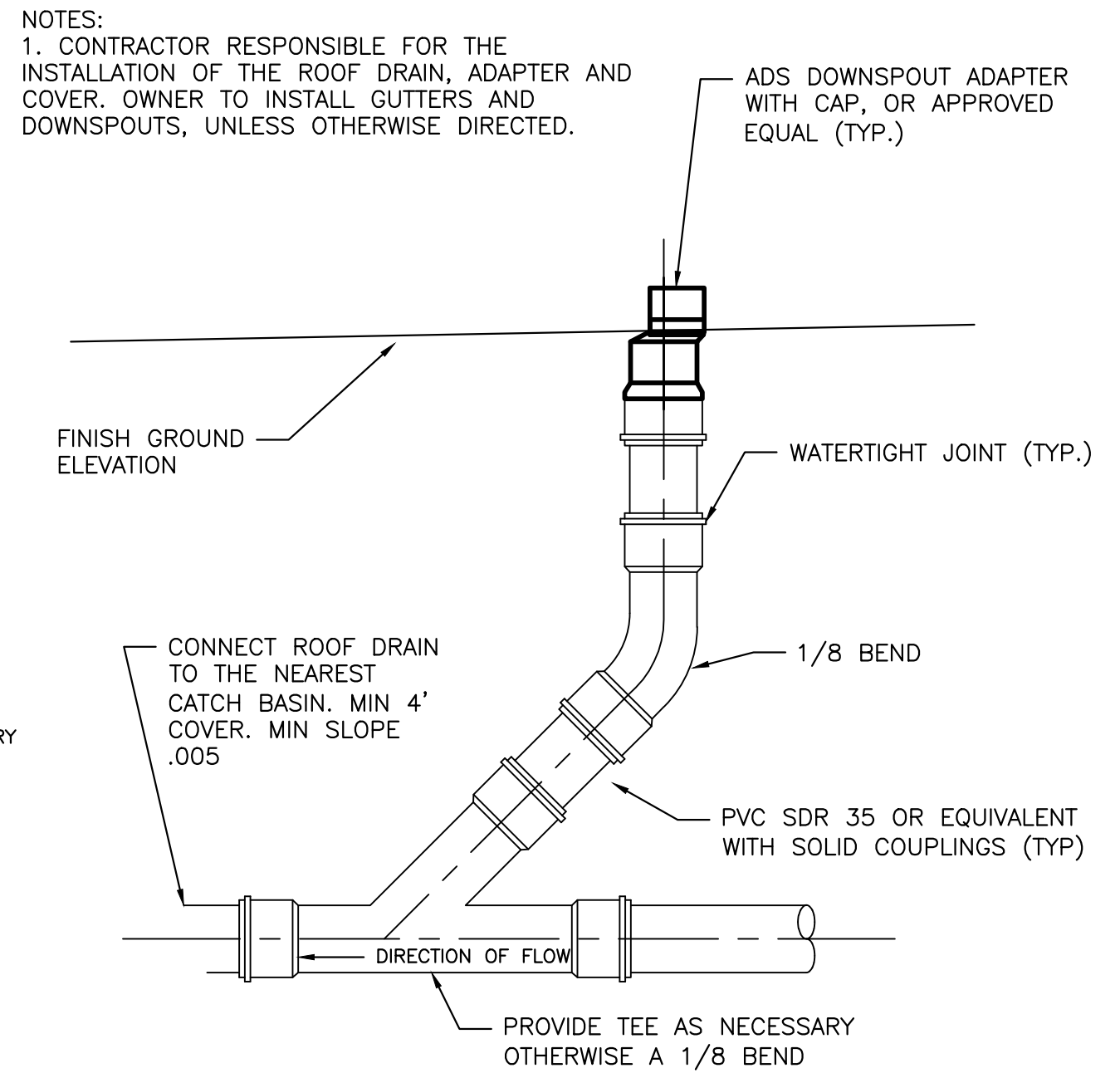
4'-0" PRECAST CATCH BASIN/MANHOLE
NOT TO SCALE



5'-0" PRECAST CATCH BASIN/MANHOLE
NOT TO SCALE



6'-0" PRECAST CATCH BASIN/MANHOLE
NOT TO SCALE



ROOF DRAIN DETAIL
NOT TO SCALE

PERMIT DRAWINGS

ISSUED FOR	DATE
CITY SUBMISSION	9/24/12
COMMENT RESPONSE	10/29/12
MAINE DEP-MCGP	11/2/12

REVISION	REV. DATE
6' CB/MH REV.	11/30/12

DRAWING NAME: **DRAINAGE DETAILS**

PROJECT NAME: **165 PRESUMPCOT STREET**

CLIENT: **ELDRIDGE LUMBER & HARDWARE, INC.**

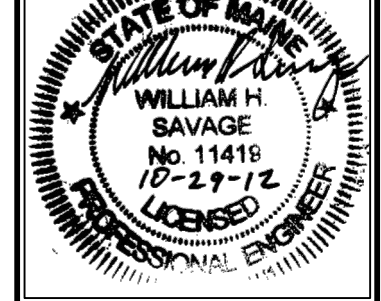
165 PRESUMPCOT STREET, PORTLAND, MAINE 04103

A C O R N

ENGINEERING, INC.

165 PRESUMPCOT STREET, PORTLAND, MAINE 04104
P.O. BOX 3372 PORTLAND, MAINE 04104
(207) 775-9555

FILE: CIVIL DRAWINGS
DATE: 8/8/12
JN: 1038
SCALE: NTS
DESIGN BY: WHS
DRAWN BY: WHS
CHECKED BY: HPS



DRAWING NO.
C-31