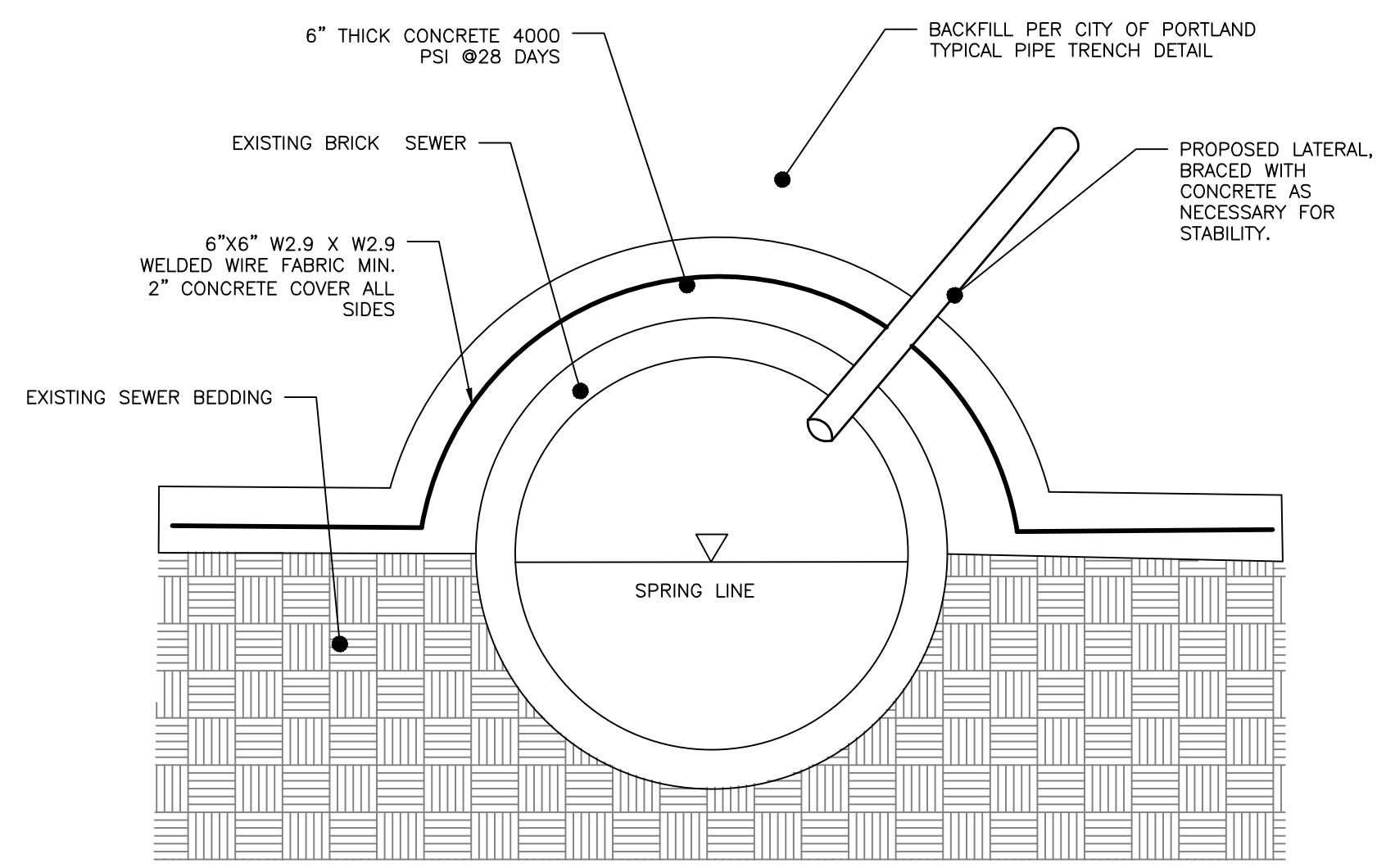
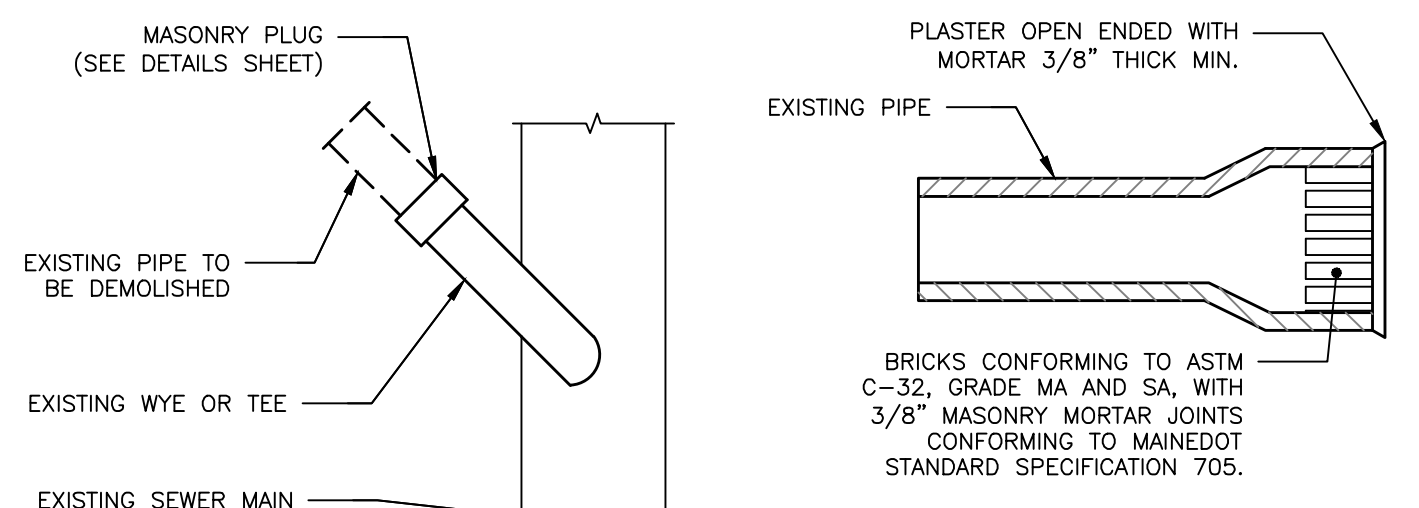


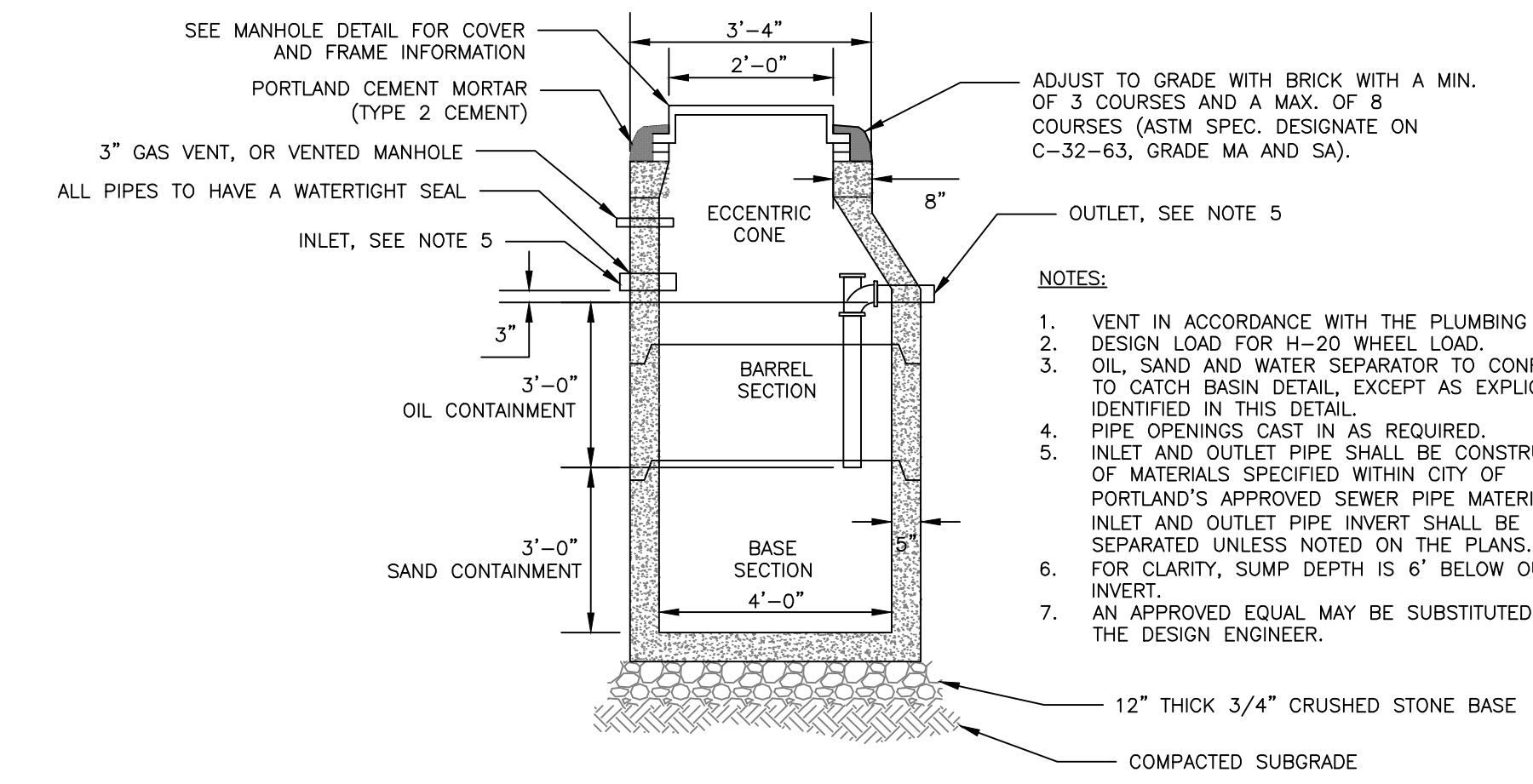
- NOTES:
1. CONCRETE CASING AROUND PIPE SHALL CONTINUE LENGTHWISE FOR AT LEAST 4' OF PIPE, OR LENGTH OF PIPE DAMAGED DURING CONSTRUCTION, WHICHEVER IS GREATER.
 2. INSTALL ALL ITEMS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 3. ENGINEER SHALL BE CONTACTED DURING CONNECTION TO BRICK SEWER. IF SEWER IS FOUND TO BE IN VERY GOOD CONDITION BY ENGINEER, THEN ONLY CONCRETE CASING AROUND PROPOSED LATERAL AND STUB SHALL BE REQUIRED.



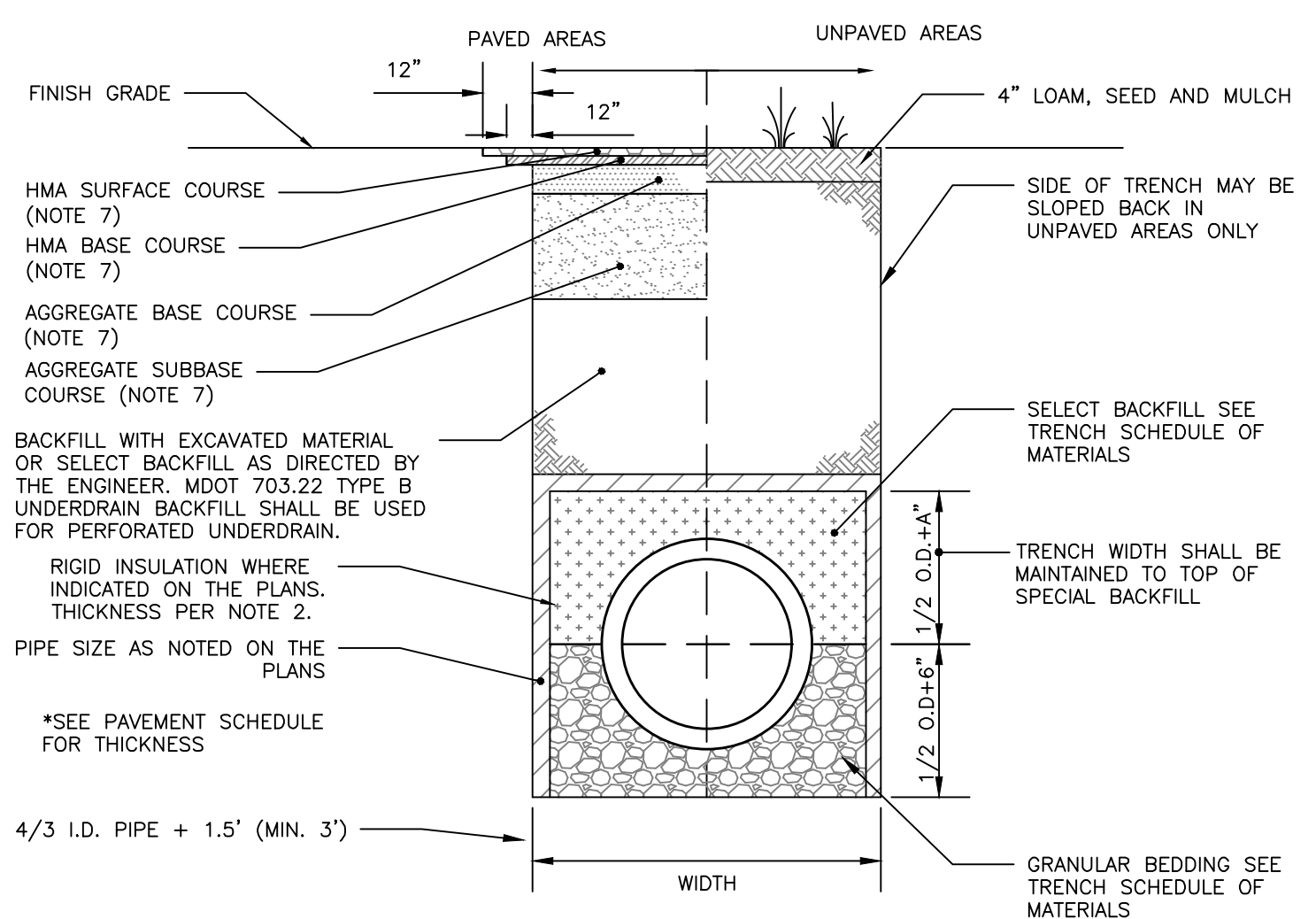
CONNECTION TO BRICK SEWER
NOT TO SCALE



MASONRY PLUG DETAIL
NOT TO SCALE



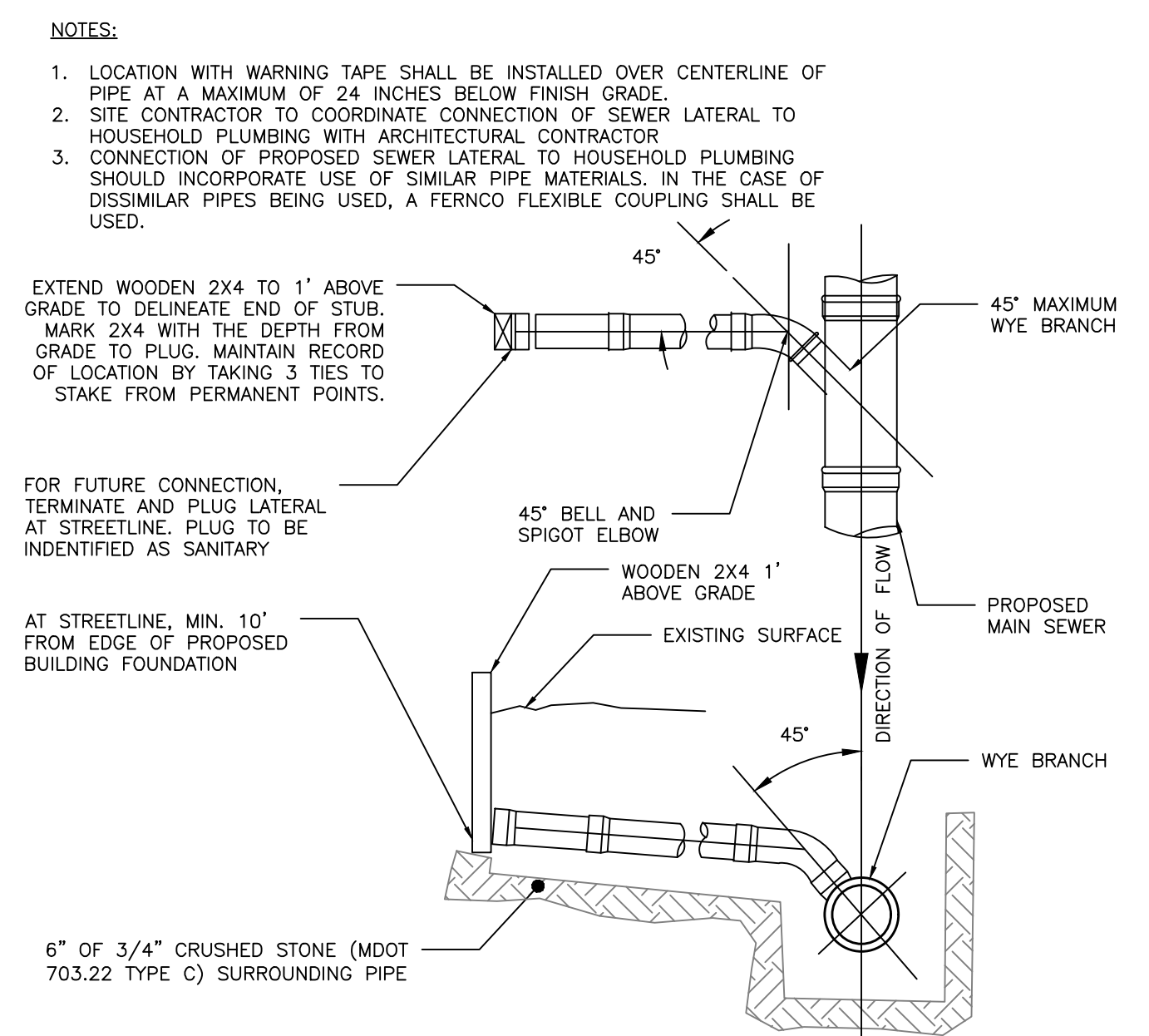
4'-0\"/>



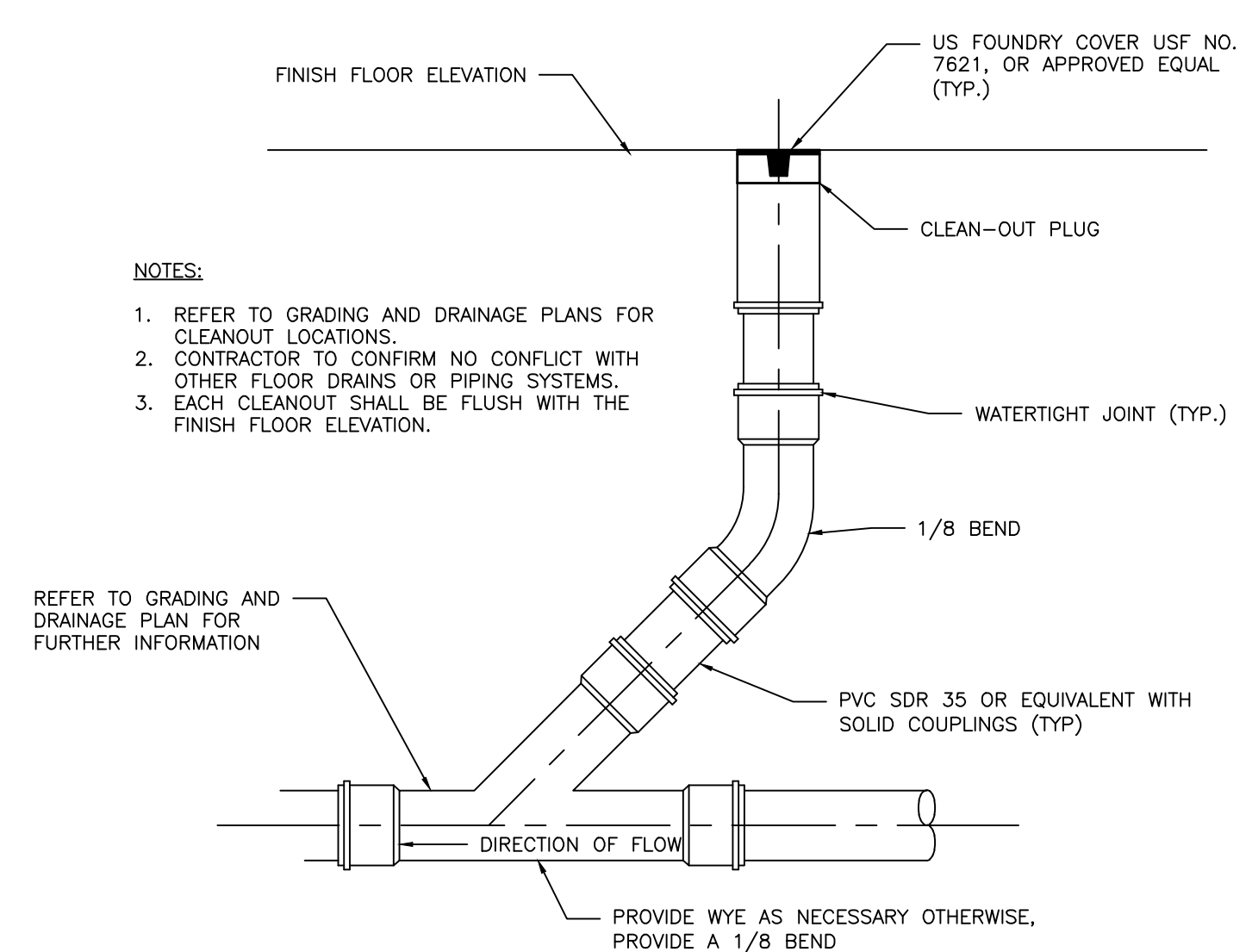
STORM DRAIN AND SEWER TYPICAL TRENCH SECTION
NOT TO SCALE

SCHEDULE OF MATERIALS		
TYPE OF PIPE	GRANULAR BEDDING	SELECT BACKFILL
CMP DUCTILE IRON RCP	MDOT 703.22 TYPE B UD BACKFILL	MDOT 703.22 TYPE B UD BACKFILL
PVC/HDPE	MDOT 703.22 TYPE C 3/4\"/>	

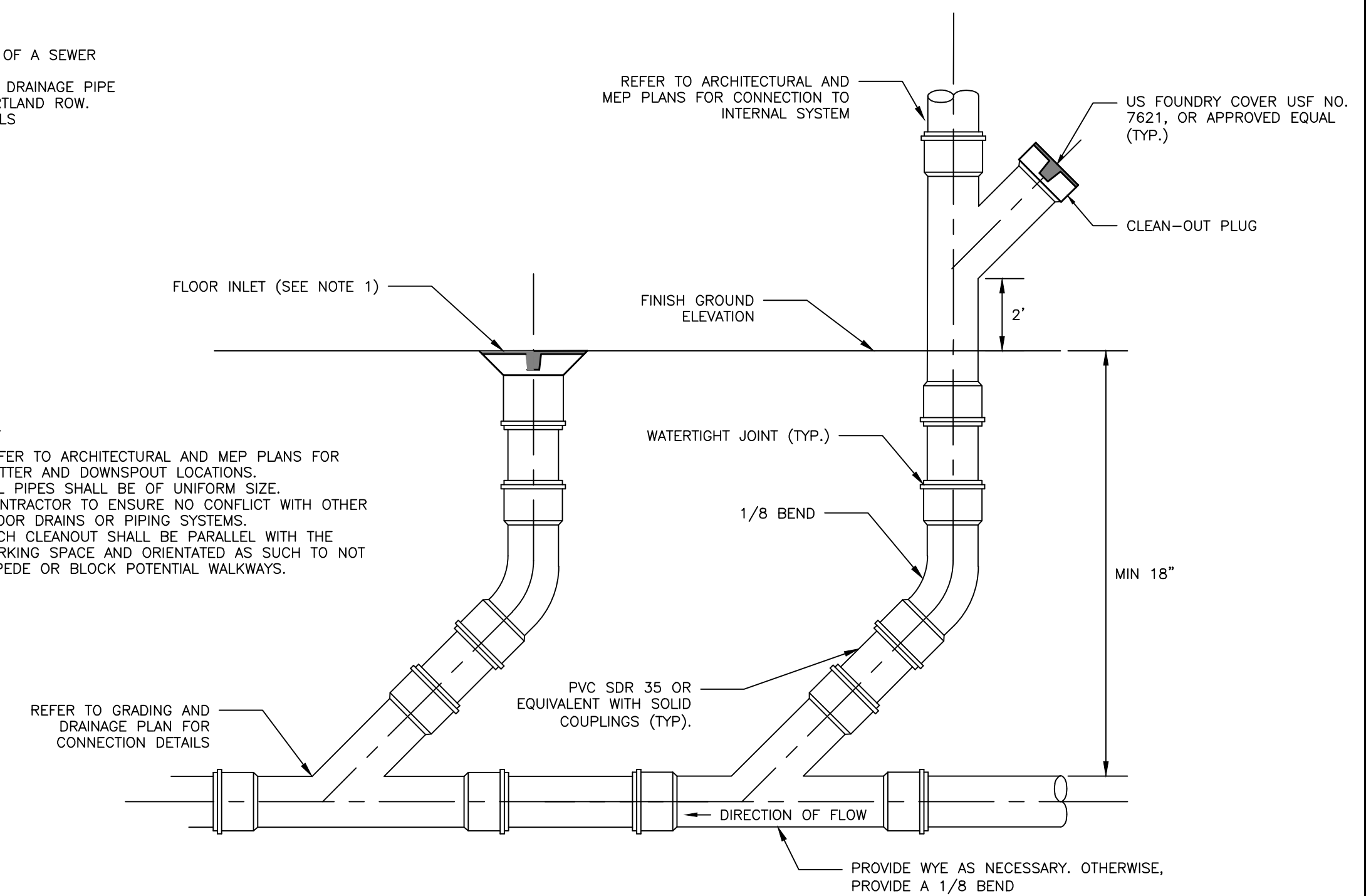
- NOTES:
1. BRACING AND SHEETING OR OTHER TRENCH PROTECTION TO BE PROVIDED TO MEET APPLICABLE STATE AND O.S.H.A. SAFETY STANDARDS. ALL SUCH TRENCH PROTECTION TO BE THE RESPONSIBILITY OF THE CONTRACTOR.
 2. STORM DRAIN COVER BETWEEN 2' AND 3' SHALL INCLUDE 4\"/>



SEWER TEE/WYE CONNECTION DETAIL
NOT TO SCALE



CLEANOUT DETAIL
NOT TO SCALE



FLOOR DOWNSPOUT WITH CLEANOUT AND FLOOR DRAIN CONNECTION DETAIL
NOT TO SCALE

- NOTES:
1. REFER TO ARCHITECTURAL AND MEP PLANS FOR GUTTER AND DOWNSPOUT LOCATIONS.
 2. ALL PIPES SHALL BE OF UNIFORM SIZE.
 3. CONTRACTOR TO ENSURE NO CONFLICT WITH OTHER FLOOR DRAINS OR PIPING SYSTEMS.
 4. EACH CLEANOUT SHALL BE PARALLEL WITH THE PARKING SPACE AND ORIENTED AS SUCH TO NOT IMPEDE OR BLOCK POTENTIAL WALKWAYS.

PRELIMINARY
NOT ISSUED FOR
CONSTRUCTION

ISSUED FOR	BY
PRELIM. APP.	WHS
	DATE
	11/2/16

UTILITY DETAILS - 2

PROJECT NAME: 161 YORK STREET REDEVELOPMENT

CLIENT: YORK STREET REDEVELOPMENT, LLC
42 MARKET STREET PORTLAND, ME 04101

DRAWING NAME: ACORN ENGINEERING, INC.

ACORN ENGINEERING, INC.
158 BANGOR ST. PORTLAND, MAINE 04102
(207) 775-2655

FILE: 1074_CIVIL

JN: 1074

SCALE: NTS

DESIGNED BY: WHS

DRAWN BY: SUL

CHECKED BY: WHS

DRAWING NO. C-43