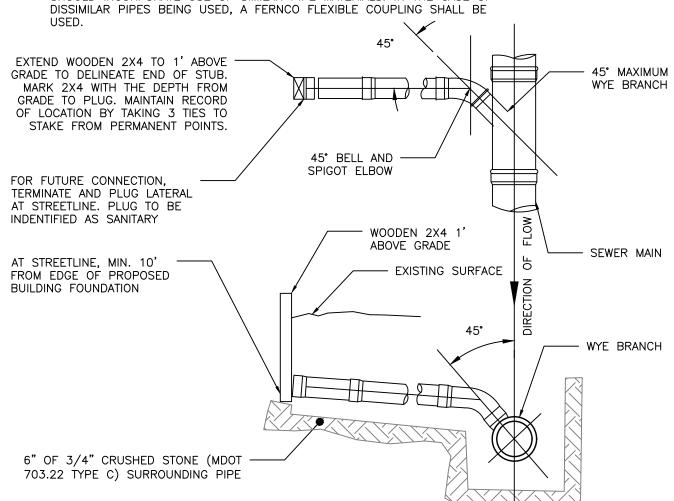


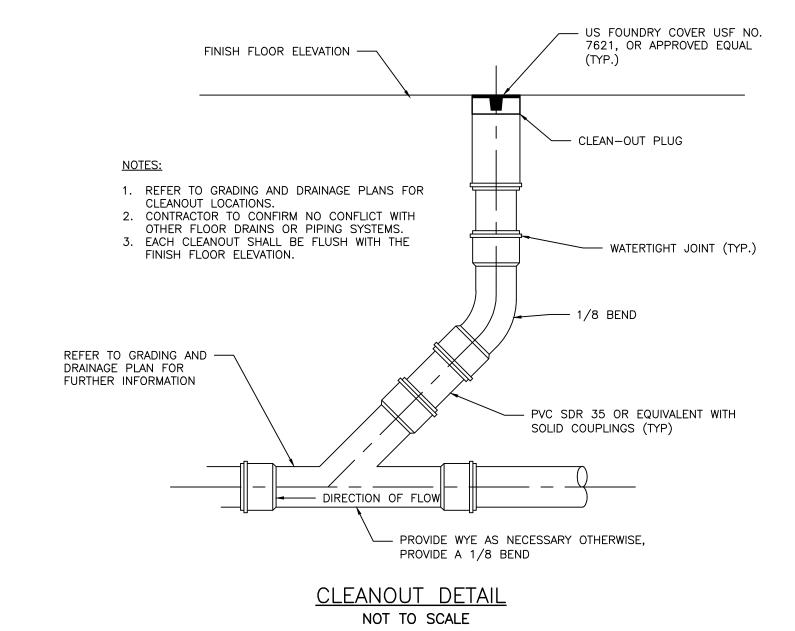
- 1. BACKFLOW VALVE TO BE PROVIDED BY AGRI DRAIN CORPORATION OR AN APPROVED
- 2. VALVE TO BE INSTALLED TO MANUFACTURER'S SPECIFICATIONS AND COMPLY WITH RULES AND REGULATIONS AS OUTLINED IN SECTION 2 OF THE CITY OF PORTLAND
- TECHNICAL MANUAL. 3. VALVE SHALL BE INSTALLED WITH A VALVE BOX AND COVER TO PROVIDE EASY
- ACCESS AND MAINTENANCE; VALVE COVER SHALL STATE 'SEWER' ON LID FLUSH TO SURFACE. REFER TO VALVE & BOX COVER DETAIL FOR ADDITIONAL INFORMATION. 4. CONCRETE COLLAR AT A MINIMUM 24-HOUR COMPRESSIVE STRENGTH OF 3,000 PSI.

BACKFLOW VALVE ASSEMBLY NOT TO SCALE

- 1. LOCATION WITH WARNING TAPE SHALL BE INSTALLED OVER CENTERLINE OF PIPE AT A MAXIMUM OF 24 INCHES BELOW FINISH GRADE.
- HOUSEHOLD PLUMBING WITH ARCHITECTURAL CONTRACTOR.
- 3. CONNECTION OF PROPOSED SEWER LATERAL TO HOUSEHOLD PLUMBING SHOULD INCORPORATE USE OF SIMILAR PIPE MATERIALS. IN THE CASE OF



SEWER TEE/WYE CONNECTION DETAIL NOT TO SCALE



	PAVED AREAS	UNPAVED AREAS	6
FINISH GRADE	12"		- 4" LOAM, SEED AND MULCH
HMA SURFACE COURSE (NOTE 7) HMA BASE COURSE (NOTE 7)			— SIDE OF TRENCH MAY BE SLOPED BACK IN UNPAVED AREAS ONLY
AGGREGATE BASE COURSE (NOTE 7) AGGREGATE SUBBASE COURSE (NOTE 7)			SELECT BACKFILL SEE
BACKFILL WITH EXCAVATED MATERIAL OR SELECT BACKFILL AS DIRECTED BY THE ENGINEER. MDOT 703.22 TYPE BUNDERDRAIN BACKFILL SHALL BE USED FOR PERFORATED UNDERDRAIN.	* * * * * * * * * * * * * * * * * * * *	+ + + + + + + + + + + + + + + + + + +	TRENCH SCHEDULE OF MATERIALS
RIGID INSULATION WHERE INDICATED ON THE PLANS. THICKNESS PER NOTE 2.	1 · · · · · · · · · · · · · · · · · · ·	2000	— TRENCH WIDTH SHALL BE MAINTAINED TO TOP OF SPECIAL BACKFILL
PIPE SIZE AS NOTED ON THE PLANS		0.D+6	
*SEE PAVEMENT SCHEDULE FOR THICKNESS		1/2 0.	
4/3 I.D. PIPE + 1.5' (MIN. 3')	WIE	TH HTC	
ALLOWABLE PIPE MATERIALS:			MATERIALS

- REINFORCED CONCRETE PIPE (RCP) MIN. STRENGTH OF CLASS III
- PVC RING TYPE SEWER (SDR 35) OR EQUIVALENT, MIN PS-46 RATING
 PVC RING TYPE SEWER PIPE MEETING ASTM F 789
- DUCTILE IRON PIPE (DIP)
 ADS N-12 HP TRIPLE-WALL MIN PS-46 RATING - ADS SANITITE HP MIN. PS-46

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" CRUSHED STONE	MDOT 703.22 TYPE B UD BACKFILL			
СМР	MDOT 703.22 TYPE C 3/4" CRUSHED STONE	MDOT 703.22 TYPE C 3/4" CRUSHED STONE			

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" OF RIGID INSULATION. COVER BETWEEN 3' AND 4' SHALL INCLUDE 2' RIGID INSULATION. OTHER UTILITIES: ADD 2" OF RIGID INSULATION FOR EACH FOOT ABOVE MINIMUM DEPTH.
- TOP OF SUBGRADE. 4. MINIMUM COVER
- 4.1. 2'-0" STORM DRAIN 4.2. 5'-0" SEWER 5. NO TREES SHALL BE PLANTED WITHIN 5' OF A SEWER PIPE
- OR SERVICE 6. THIS DETAIL SHALL BE APPLIED ONLY TO DRAINAGE PIPE TRENCHES OUTSIDE OF THE CITY OF PORTLAND ROW.

3. INSTALL WARNING TAPE DIRECTLY ABOVE UTILITIES AT THE

7. THICKNESS AS NOTED BY SURFACE DETAILS 8. ALL PROPOSED TREES PLANTED WITHIN 10' OF A STORM OR SEWER PIPE SHALL BE PLANTED AT A DEPTH NO GREATER THAN 3' DEEP. PERMEABLE LANDSCAPE FABRIC SHALL CREATE A ROOT BARRIER AROUND THE PIPES. CONTRACTOR SHALL COORDINATE WITH THE LANDSCAPE

STORM DRAIN AND SEWER TYPICAL TRENCH SECTION WITHIN PROPERTY NOT TO SCALE

> PERMIT LEVEL NOT ISSUED FOR CONSTRUCTION

	CITY	APP.	10/31/1
	DRAWING NAME: UTLITY DETAILS - 2	PROJECT NAME: 40 O'BRION STREET RESIDENTIAL INFILL	CLIENT: 215 FORESIDE ROAD, LLC. 215 FORESIDE ROAD FALMOUTH, MAINE 04105
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