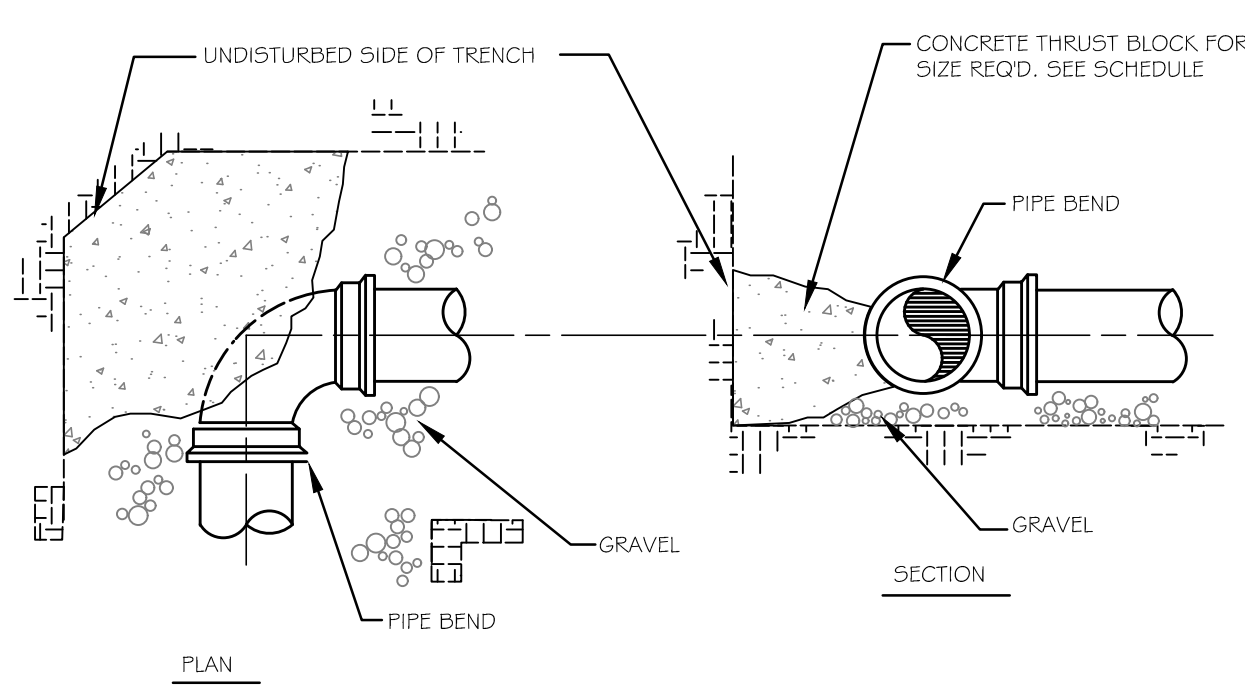


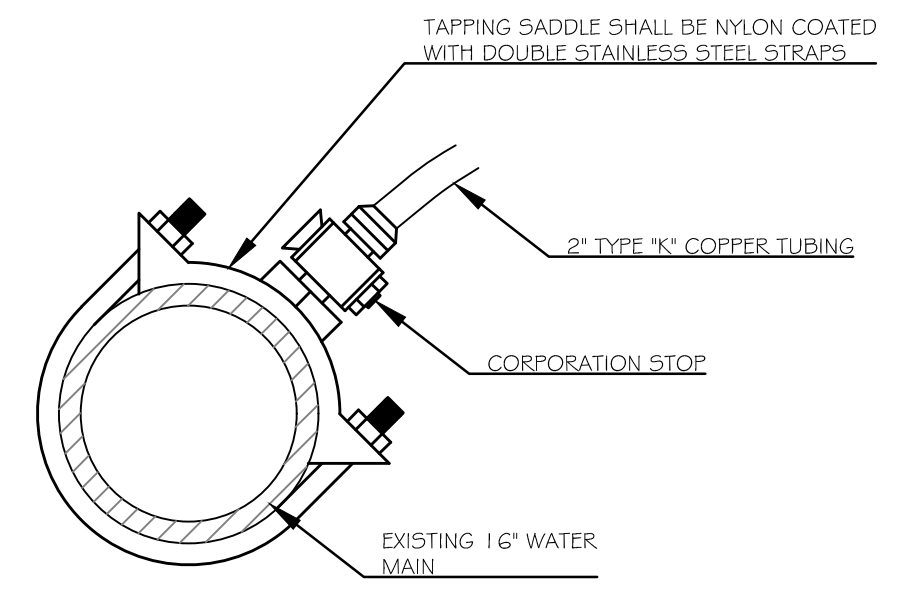
THRUST BLOCK PLACEMENT AT TEE(S)



THRUST BLOCK PLACEMENT AT BEND(S)

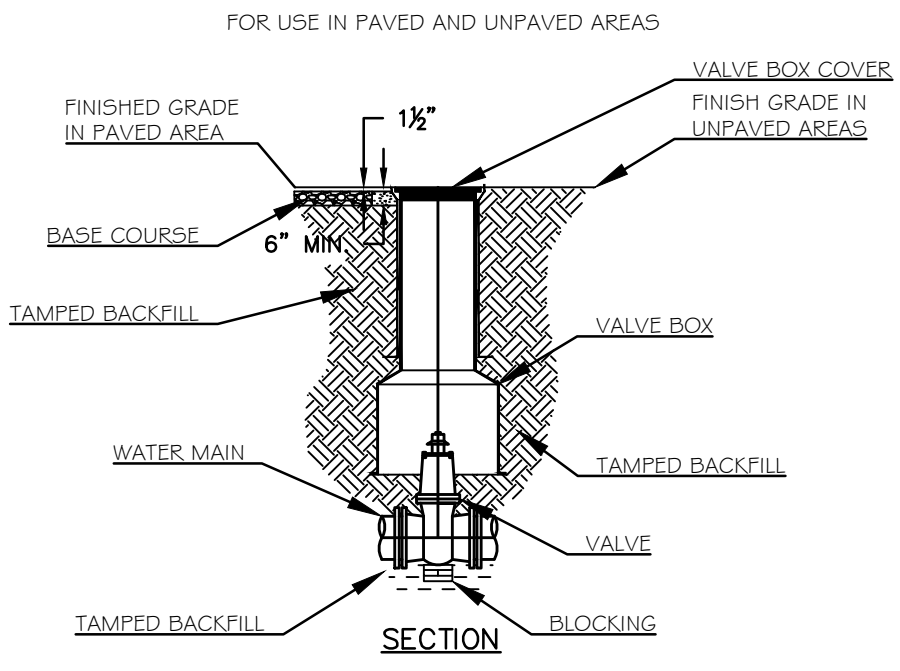
THRUST BLOCK SCHEDULE

SIZE REQUIREMENTS FOR CONCRETE THRUST BLOCKS					
BEARING ON UNDISTURBED SOIL (SQUARE FT.)					
FITTINGS	90° BENDS	45° BENDS	TEES & PLUGS	HYDRANTS	
PIPE SIZE					
4"	2.0	1.0	1.0	N/A	
6"	3.0	2.0	2.0	6.0	
8"	5.0	3.0	4.0	N/A	



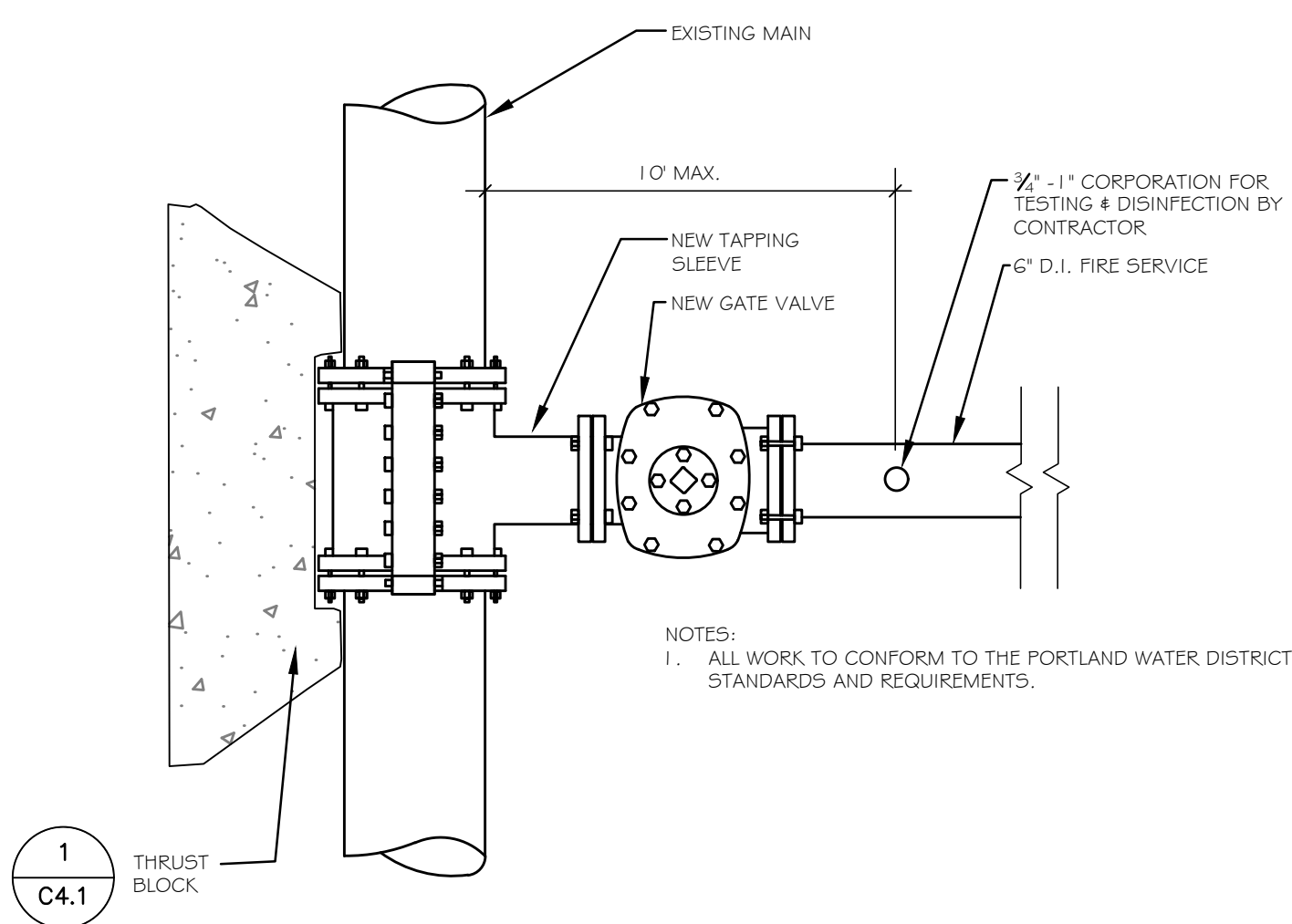
2 STANDARD CORPORATION STOP DETAIL
C4.1 NOT TO SCALE

1 THRUST BLOCK DETAILS
C4.1 NOT TO SCALE



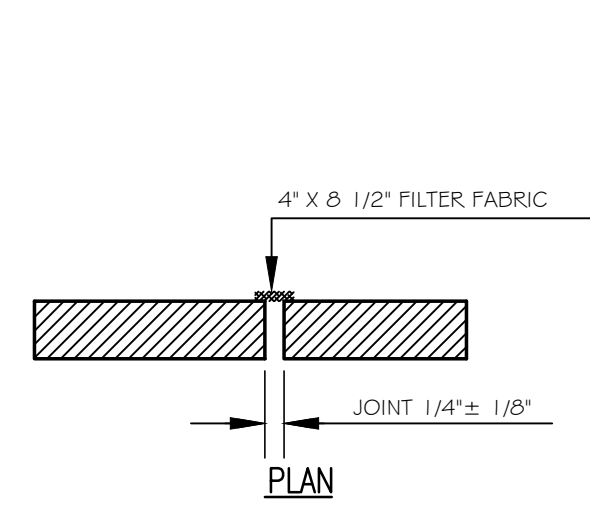
- NOTES:
1. ALL WORK TO CONFORM TO THE PORTLAND WATER DISTRICT STANDARDS AND REQUIREMENTS.
 2. D.I.P. MAY BE USED FOR VALVE BOX EXTENSIONS.
 3. VALVE BOX SHOULD NOT CONTACT WATER MAIN OR VALVE.
 4. CONCRETE PROTECTOR RING SHALL BE USED IN ALL UNPAVED AREAS.

3 VALVE AND VALVE BOX INSTALLATION DETAIL
C4.1 NOT TO SCALE

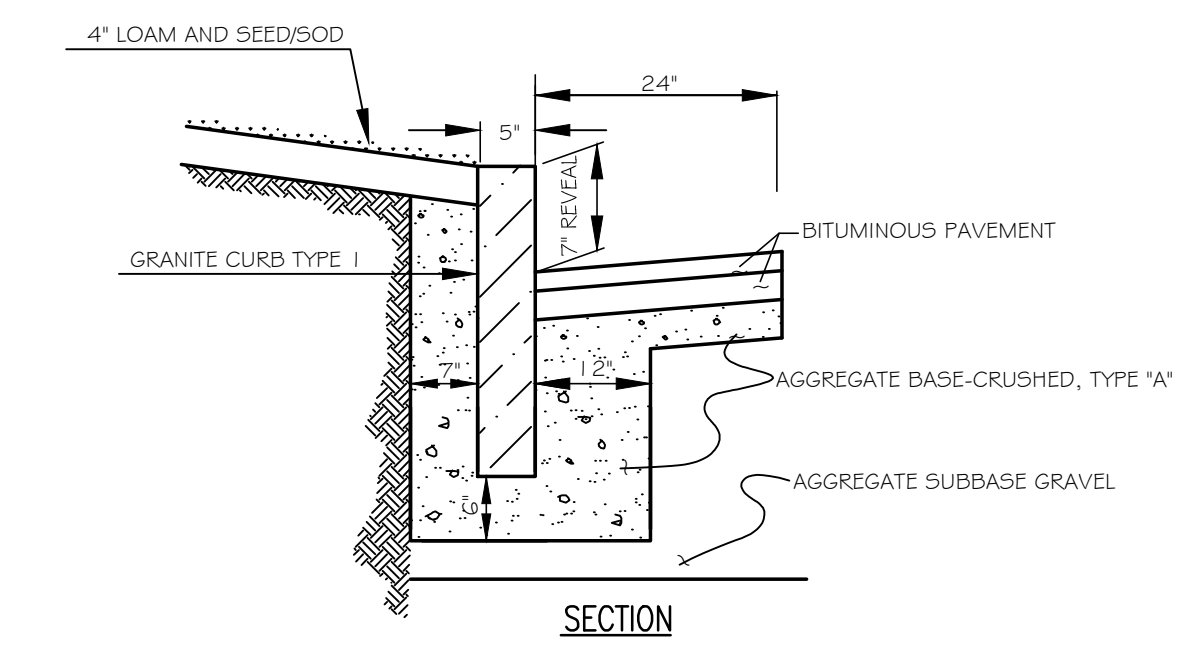


- NOTES:
1. ALL WORK TO CONFORM TO THE PORTLAND WATER DISTRICT STANDARDS AND REQUIREMENTS.

4 STANDARD TAPPING SLEEVE DETAIL
C4.1 NOT TO SCALE

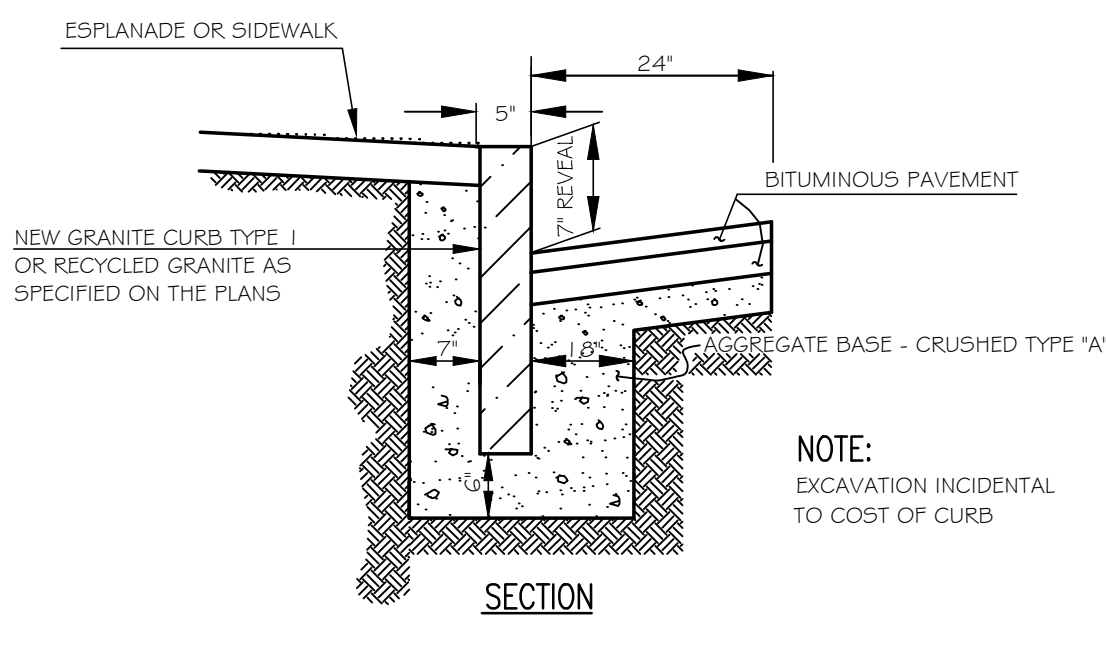


TYPICAL TIPDOWN CURB INSTALLATION
NOT TO SCALE



INSTALLATION OF CURB
NOT TO SCALE

5 GRANITE CURB INSTALLATION DETAIL
C4.1 NOT TO SCALE

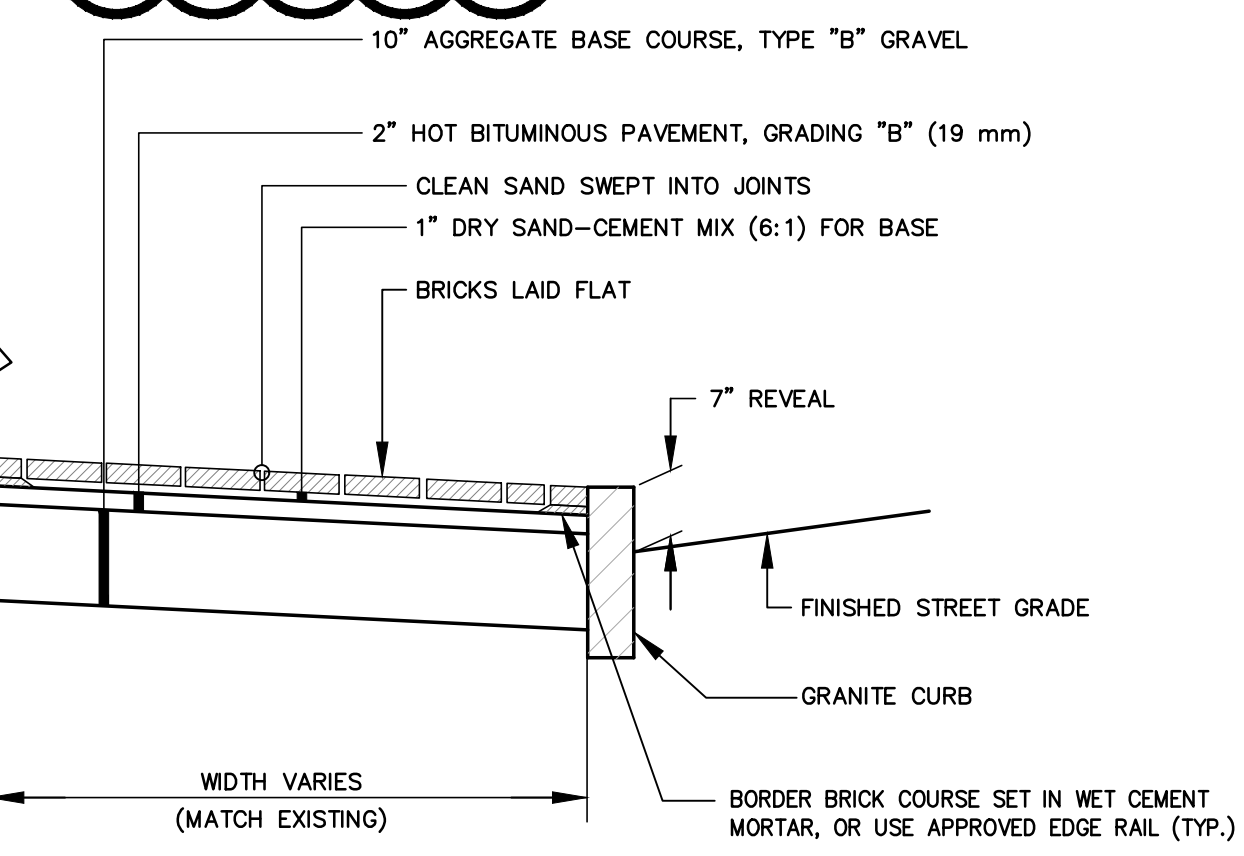


CURB REPLACEMENT DETAIL
NOT TO SCALE

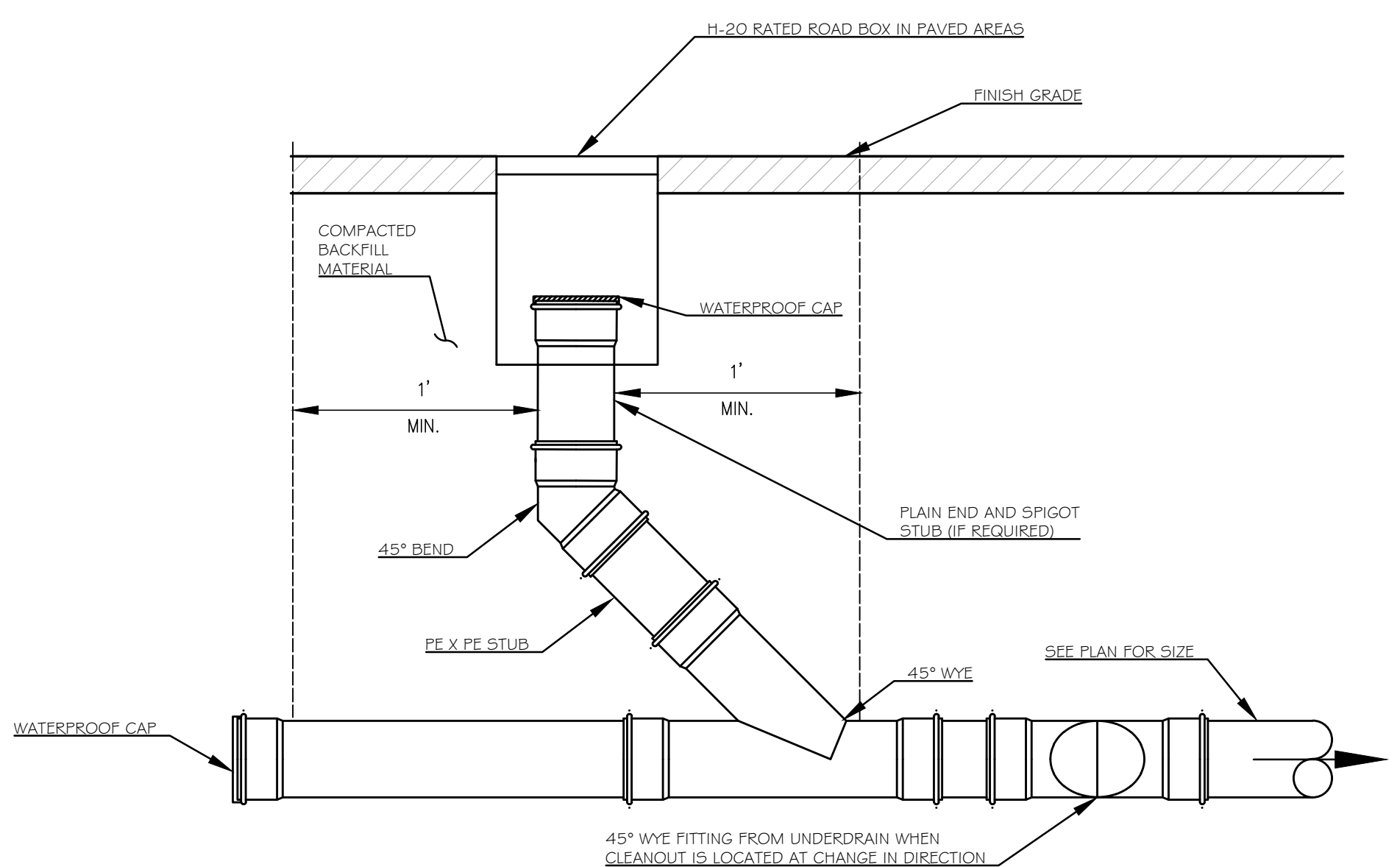
- NOTE:
EXCAVATION INCIDENTAL TO COST OF CURB

BRICKS TO BE USED:
NEW CONSTRUCTION:
4"x8" PINE HALL PATHWAY
PAVER BRICK; MFG. BY PINE
HALL BRICK CO., MADISON,
NORTH CAROLINA.
LACHANCE ITEM # 193623.
PINE HALL PATHWAY PAVER
BRICK.

REPAIR / MAINTENANCE TO
EXISTING BRICK SIDEWALKS:
VERMONT PAVER; SUPPLIED
BY GAGNE AND SONS.
SPECIFICATION NUMBER:
"VERMONT BACKER BRICK",
ITEM NUMBER # VB8B
BRICK.

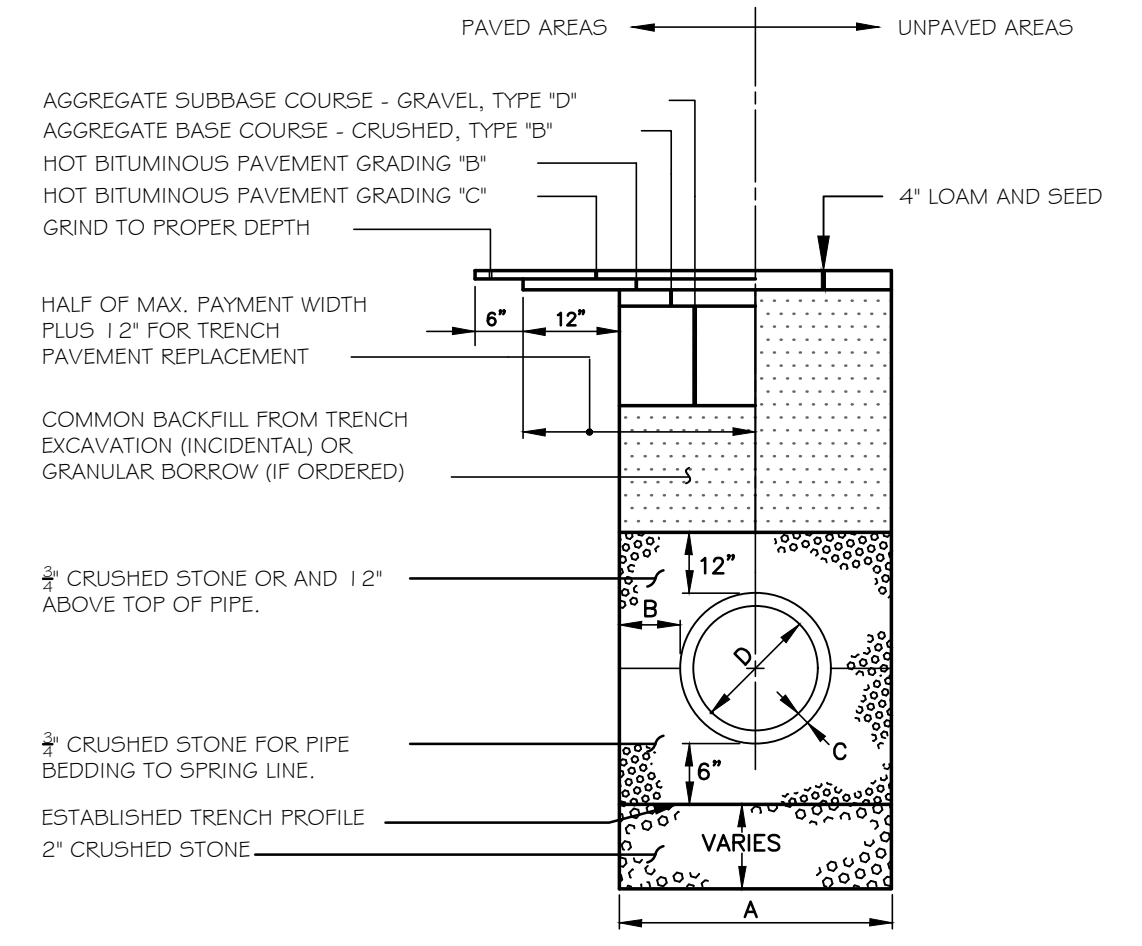


6 BRICK SIDEWALK WITH BITUMINOUS BASE
C4.1 NOT TO SCALE

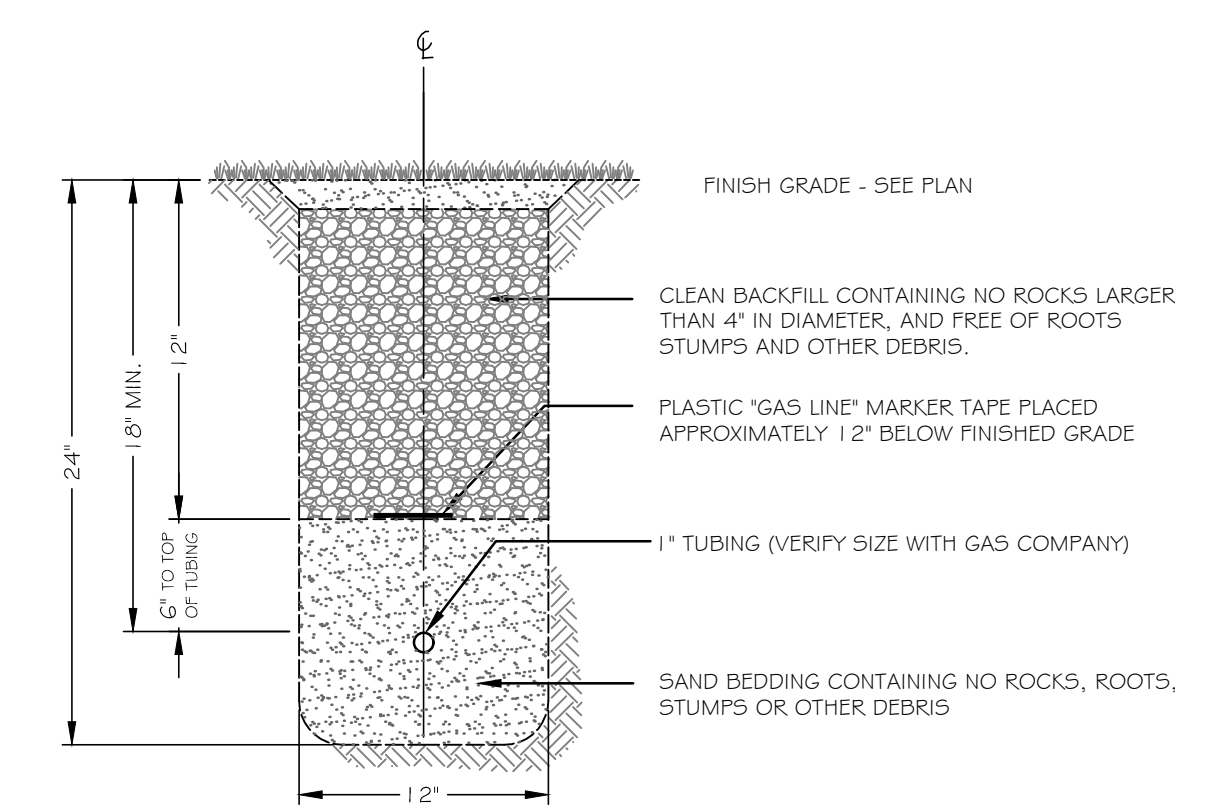


7 SEWER/STORMDRAIN CLEANOUT
C4.1 NOT TO SCALE

- NOTES:
DEPTH OF BITUMINOUS PAVEMENT AND AGGREGATE COURSES SHALL BE DETERMINED BY STREET CLASSIFICATION.
ANY ALTERNATE TRENCHING OR PAYMENT METHODS SHALL BE APPROVED IN ADVANCE BY THE CITY OF PORTLAND, DEPARTMENT OF PUBLIC SERVICES.



8 TYPICAL PIPE TRENCH & ROAD REPAIR DETAIL
C4.1 NOT TO SCALE



9 GAS LINE TRENCH SECTION
C4.1 NOT TO SCALE

ISSUED FOR PERMITTING - NOT FOR CONSTRUCTION

Kitchen & Dining Hall Addition

Salvation Army Adult Rehab Center
88 Preble Street
Portland, Maine

Applicant:
The Salvation Army
30 Warren Ave
Portland, Maine 04103

Rev.	Date	Description	Drawn	Check
1	1/8/16	Issued for City Site Plan Application	SWC	NGC

Sheet Title:
Details

Job No.:	317	Sheet No.:	
Date:	Jan. 18, 2016		
Scale:	N.T.S.		
Drawn:	SWC		
Checked:	WFW		

C4.1