	SIZE REQUIREMENTS FOR						
CONCRETE THRUST BLOCKS							
		BEARING ON UNDISTURBED SOIL (SQUARE FT.)					
FITTI	NG5	90° BENDS	45° BENDS	TEES # PLUGS	HYDRANTS		
	4"	2.0	1.0	1.0	N/A		
PIPE SIZE	Ğ	3.0	2.0	2.0	6.0		
	8"	5.0	3.0	4.0	N/A		

# THRUST BLOCK PLACEMENT AT TEE(S)

CONCRETE THRUST BLOCK FOR SIZE REQ'D. SEE STD.

NO. C.D.S.-0573

# THRUST BLOCK PLACEMENT AT BEND(S)

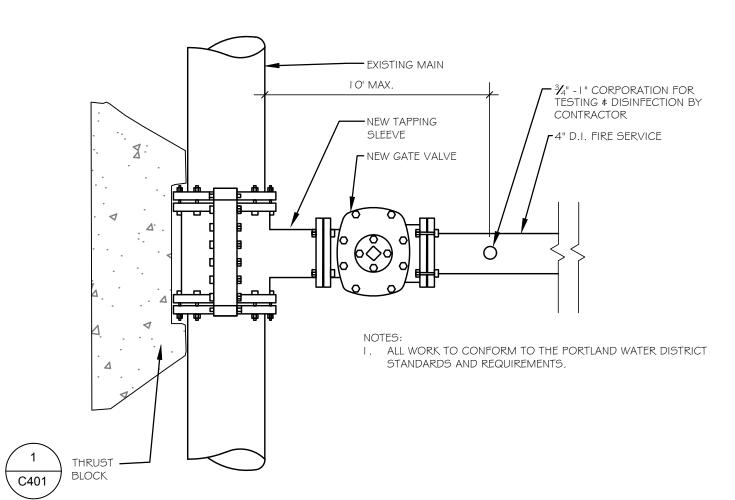
\_\_\_\_ UNDISTURBED SIDE OF TRENCH \_\_\_\_

## THRUST BLOCK SCHEDULE

#### THRUST BLOCK DETAILS C401 NOT TO SCALE

\_UNDISTURBED SIDE

OF TRENCH

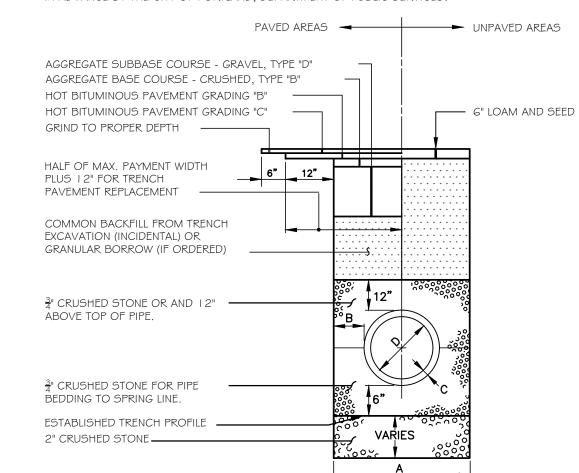




SECTION

ANY ALTERNATE TRENCHING OR PAYMENT METHODS SHALL BE APPROVED IN ADVANCE BY THE CITY OF PORTLAND, DEPARTMENT OF PUBLIC SERVICES.

CONCRETE THRUST BLOCK FOR SIZE REQ'D. SEE SCHEDULE



### TYPICAL PIPE INSTALLATION NOTES

- ALTERNATIVE CONSTRUCTION METHODS OR PAYMENT METHODS SHALL BE APPROVED IN ADVANCE BY THE CITY. 2. IN PAVED AREAS, DEPTHS OF GRAVEL AND HOT MIX ASPHALT PAVEMENT SHALL MATCH THE GREATER OF EXISTING CONDITIONS OR THE REQUIREMENTS FOR THE CORRESPONDING STREET CLASSIFICATION.
- 3. DIMENSION B SHALL BE SUFFICIENT TO ALLOW CRUSHED STONE BEDDING TO BE PLACED AND COMPACTED UNDER THE HAUNCHES OF THE PIPE; BUT IN ALL CASES DIMENSION B SHALL BE AT LEAST 9".
- DIMENSION A IS THE MAXIMUM WIDTH ALLOWED FOR CALCULATING PAY QUANTITIES UNDER GRANULAR BORROW, CRUSHED STONE, STRUCTURAL EARTH EXCAVATION, AND STRUCTURAL ROCK EXCAVATION. DIMENSION A SHALL BE BASED ON PIPE DIAMETER D, AS SET FORTH

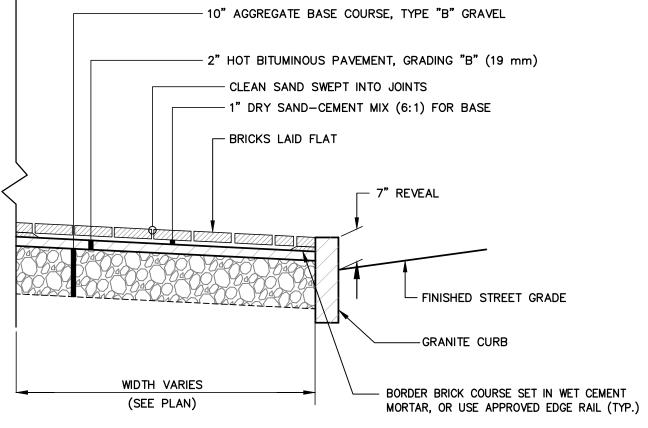
(INCHES)		, D			MAX. TRENCH WIDTH, A (FEET)	
4 6 8 10	-	-	-	-	4.0 4.0 4.0 4.0 5.0	
5  8  2  24  27	-	-	-	-	5.0 5.0 5.0 6.0 6.0	
30 36 42 48	-	-	-	-	6.0 6.0 7.0 7.0	

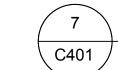




GAGNE AND SONS. SPECIFICATION NUMBER: "VERMONT BACKER BRICK", ITEM NUMBER # VBBB

BRICKS TO BE USED: REPAIR /MAINTENANCE TO EXISTING BRICK SIDEWALKS: (PREBLE)
VERMONT PAVER; SUPPLIED BY

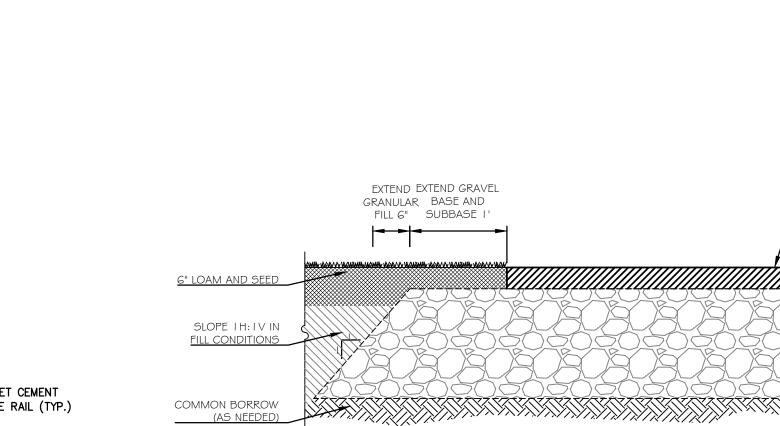




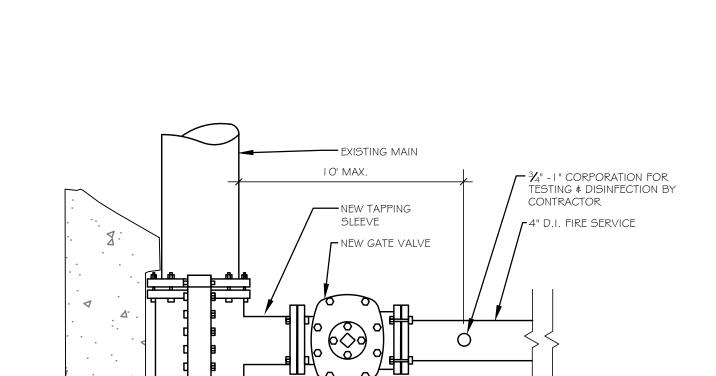




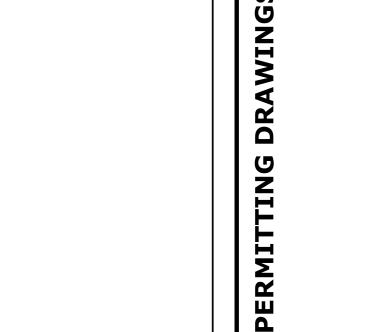












DRAWN SWC SHEET T

REVISIONS
1 | A+1 3/17 |
2 | REVISED PER CITY REV
3 |
4 |
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T Sa 'S

ISSUE DATE 2/21/17 SHEET SCALE N.T.S.

BRICKS TO BE USED: REPAIR /MAINTENANCE TO EXISTING BRICK SIDEWALKS: VERMONT PAVER; SUPPLIED BY GAGNE AND SONS. - 12" AGGREGATE BASE COURSE, TYPE "B" GRAVEL SPECIFICATION NUMBER: - 2" BITUMINOUS PAVEMENT, GRADING "B" (19 mm) "VERMONT BACKER BRICK" ITEM NUMBER # VBBB --- I" DRY SAND-CEMENT MIX (6:1) FOR BASE BORDER COURSES OF BRICK SET IN CEMENT MORTAR OR CLEAN SAND SWEPT INTO JOINTS USE APPROVED EDGE RAIL. BITUMINOUS STRIP FINISHED STREET GRADE

WIDTH VARIES

BRICK DRIVEWAY APRON WITH BITUMINOUS BASE C401 NOT TO SCALE

ALL WORK TO CONFORM TO THE PORTLAND WATER DISTRICT STANDARDS AND REQUIREMENTS. STANDARD CORPORATION STOP DETAIL NOT TO SCALE

C401

TAPPING SADDLE SHALL BE NYLON COATED

CORPORATION STOP

FOR USE IN PAVED AND UNPAVED AREAS FINISHED GRADE FINISH GRADE IN

I. ALL WORK TO CONFORM TO THE MAINE WATER COMPANY STANDARDS

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.

C401

VALVE AND VALVE BOX INSTALLATION DETAIL NOT TO SCALE

2" | 2.5mm BITUMINOUS CONC.

I 2" GRAVEL SUBBASE (MDOT 703.06C TYPE "D") (MAXIMUM STONE SIZE 3")

> TE OF MAN SILAS W. CANAVAN No. 12639