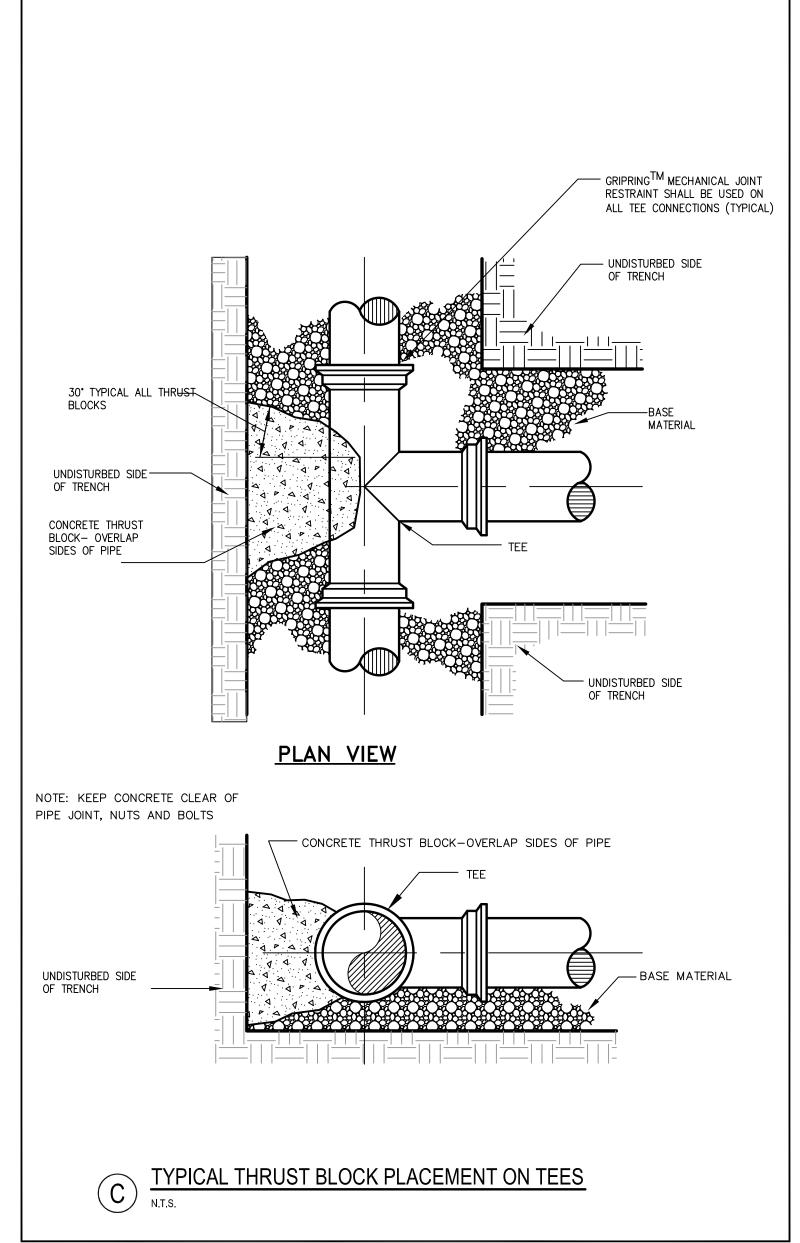


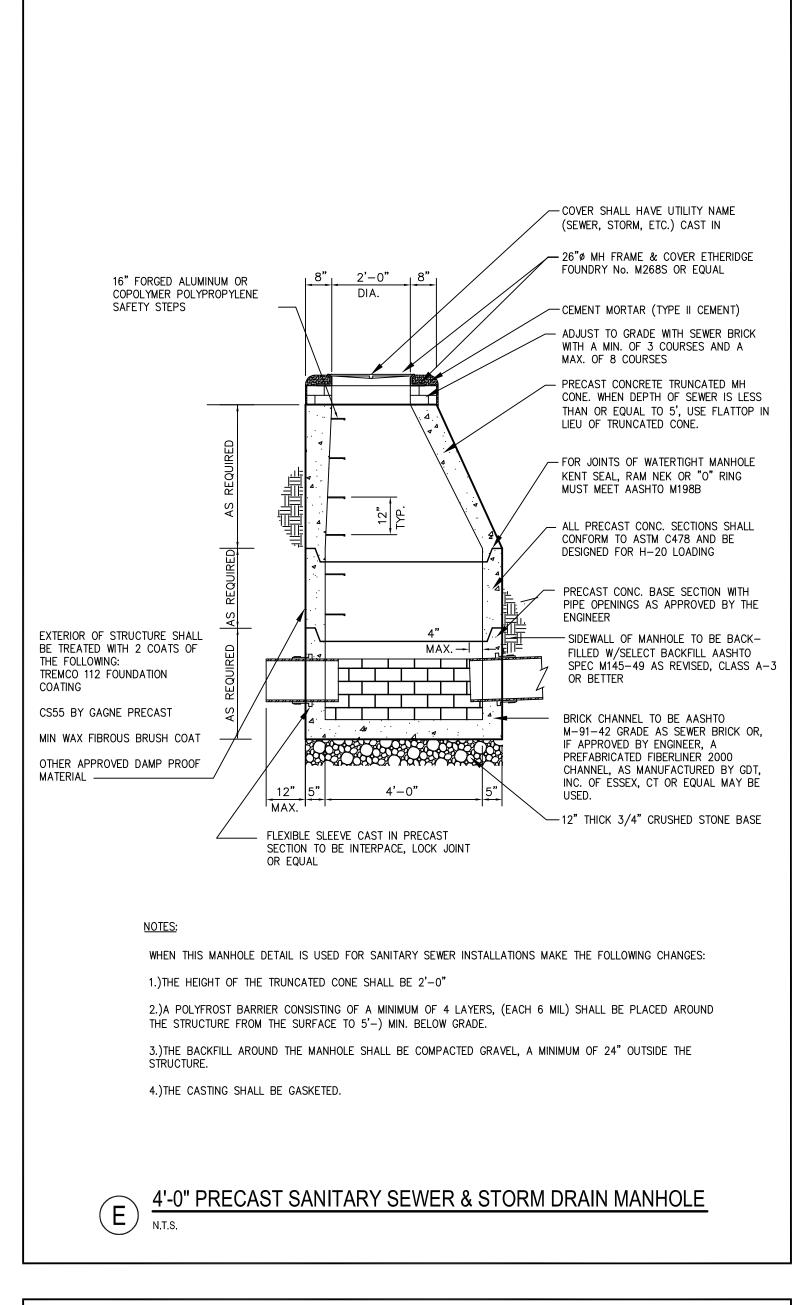
	THRUST/RETAINER GLAND SCHEDULE				
1/4 BEND	(90°)	USE POURED-IN-PLACE THRUST BLOCK WITH GRIPRING TM MECHANICAL JOINT RESTRAINT			
1/8 BEND	(45*)	THRUST BLOCK w/ GRIPRING TM			
1/16 BEND	(22 1/2°)	THRUST BLOCK w/ GRIPRING TM			
1/32 BEND	(11 1/4°)	THRUST BLOCK w/ GRIPRING TM			

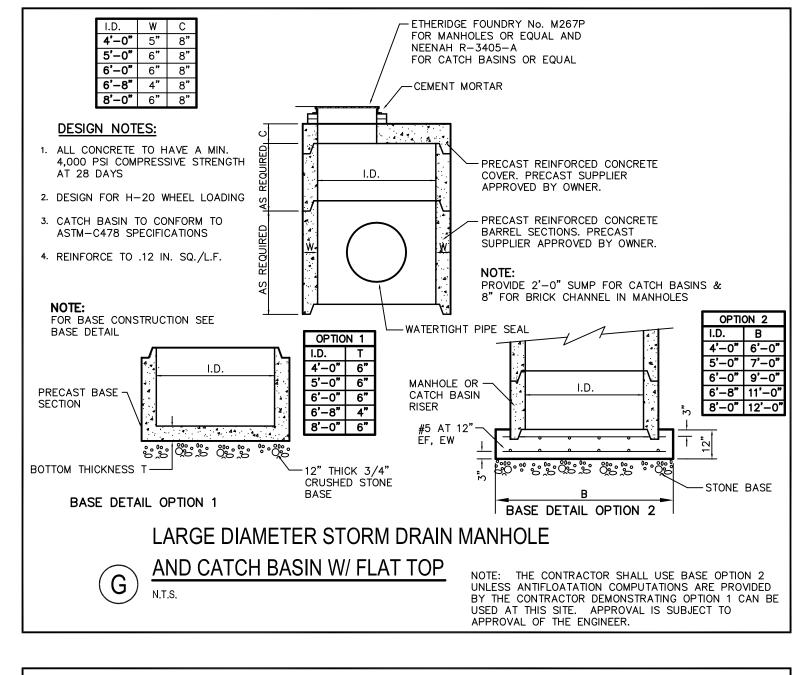
THE ABOVE SCHEDULE IS SUBJECT TO THE APPROVAL OF THE ON-SITE INSPECTOR DUE TO SOILS AND WORKING PRESSURES IN THE AREA.

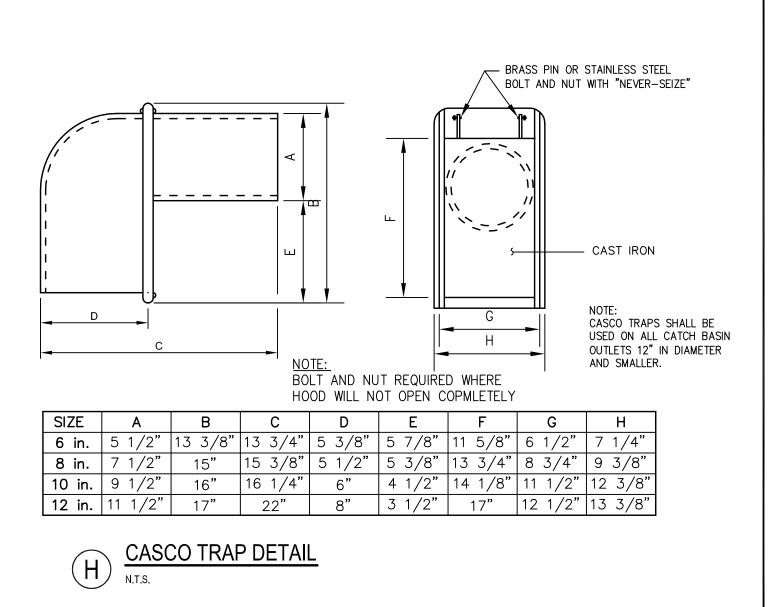
- 1.) THE PORTLAND WATER DISTRICT MAY HAVE INSPECTION FEES AND REQUIRE OBSERVATION OF ALL PIPING INSTALLATION BEFORE BÚRIAL. REFER TO SPECIFICATIONS.
- 2.) REFER TO PORTLAND WATER DISTRICT SPECIFICATIONS FOR TESTING AND CHLORINATION REQUIREMENTS.
- 3.) ALL HYDRANTS AND VALVES TO BE EPOXY COATED, NUTS & BOLTS TO BE STAINLESS STEEL.
- 4.) SERVICE RODS FOR DOMESTIC SERVICE OR AIR VALVES TO BE STAINLESS STEEL.

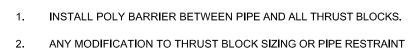










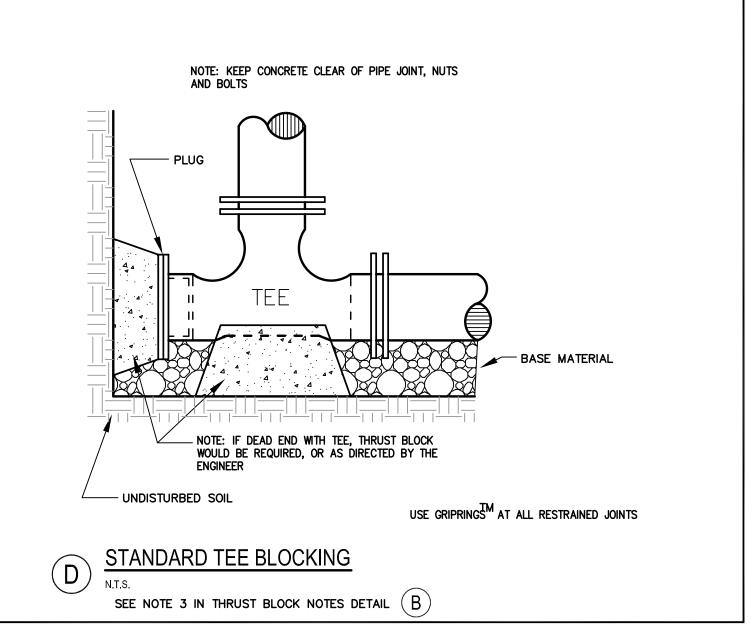


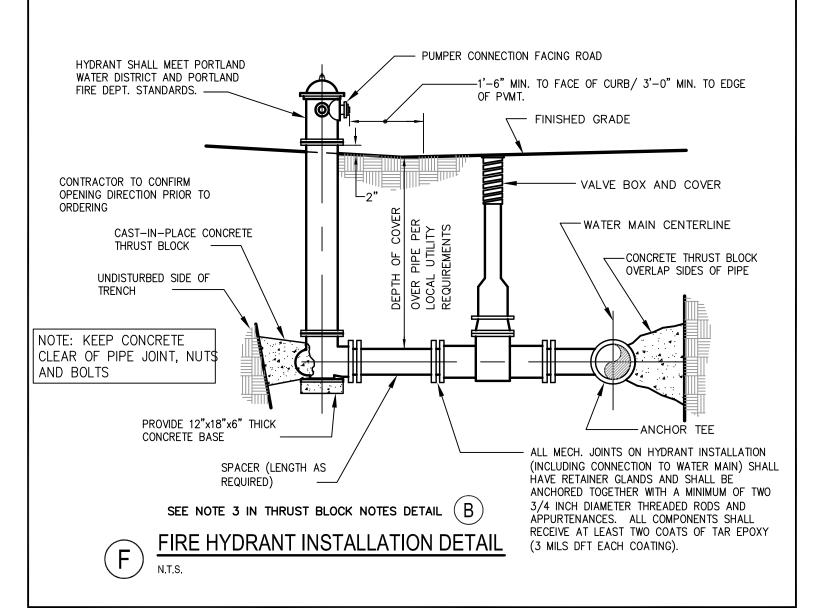
- REVISIONS SHALL BE APPROVED IN WRITING BY THE ENGINEER PRIOR TO IMPLEMENTATION IN THE FIELD
- 3. ANY WORK RELATING TO WATER PIPING OR DETAILS SHALL BE IN ACCORDANCE WITH THE PORTLAND WATER DISTRICT SPECIFICATIONS
- 4. ALL RESTRAINED JOINTS MUST HAVE GRIPRING TM

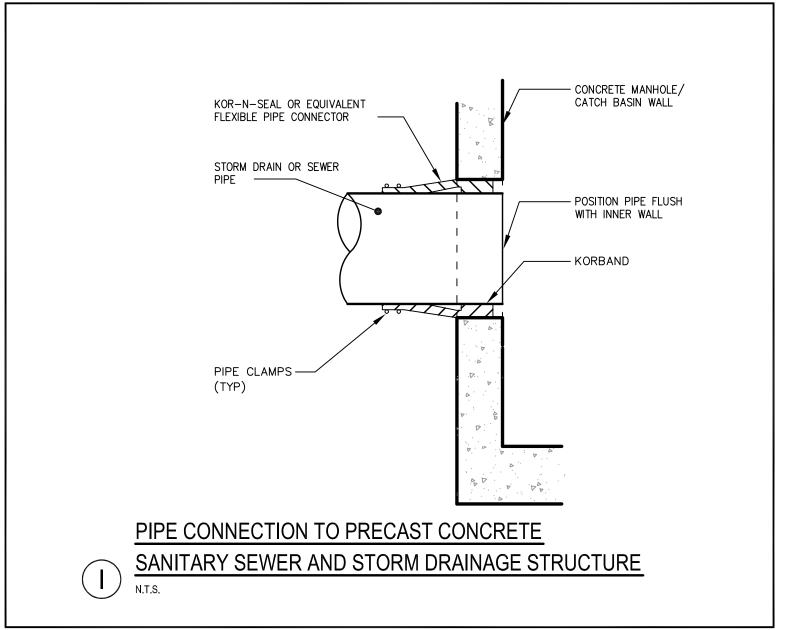
BEARING SURFACE REQUIRED IN SQUARE FEET

	PIPE SIZE	1/32 BEND	1/16 BEND	1/8 BEND	1/4 BEND	TEES/CAPS
Ī	6"/8"	5.0	5.0	5.0	6.5	5.0
Ī	12"	11.5	11.5	11.5	20.0	22.0

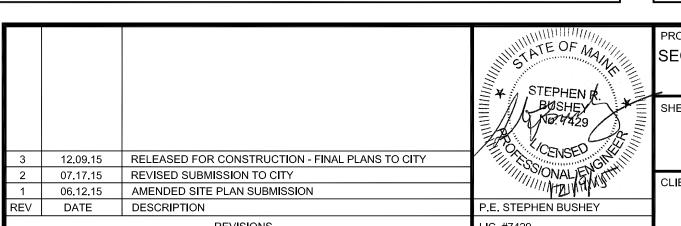
THRUST BLOCK NOTES







SHEET



SECOND TEE CONDOMINIUM ASSOCIATIO **BUSINESS PARK EXPANSION**

UTILITY DETAILS 1039 RIVERSIDE LLC

FAY, SPOFFORD & THORNDIKE ENGINEERS · PLANNERS · SCIENTISTS 778 MAIN ST, SUITE 8, SOUTH PORTLAND, ME 04106 DRAWN: DED DATE: MAY 2015 DESIGNED: SRB SCALE: AS NOTED JOB NO. SP-M164 CHECKED: SRB FILE NAME: SP-M168 DETAILS