

## 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

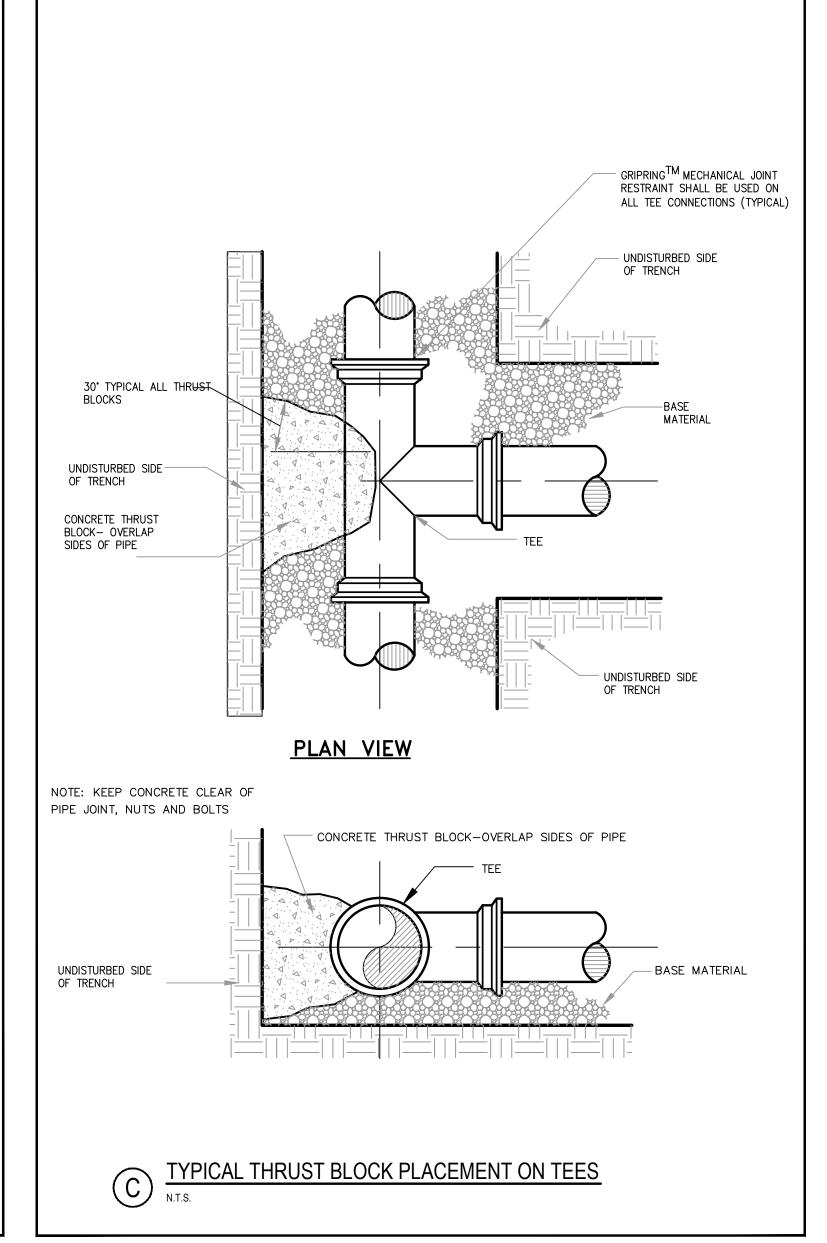
THE ABOVE SCHEDULE IS SUBJECT TO THE APPROVAL OF THE ON—SITE INSPECTOR DUE TO SOILS AND WORKING PRESSURES IN THE AREA.

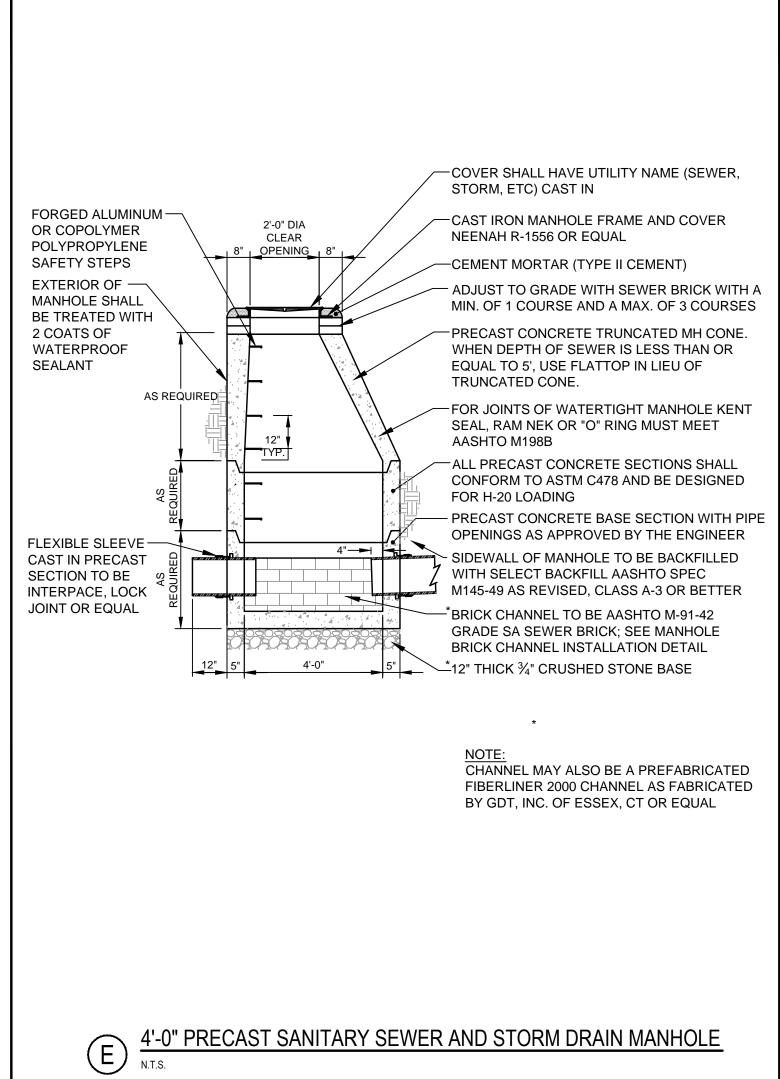
## NOTES

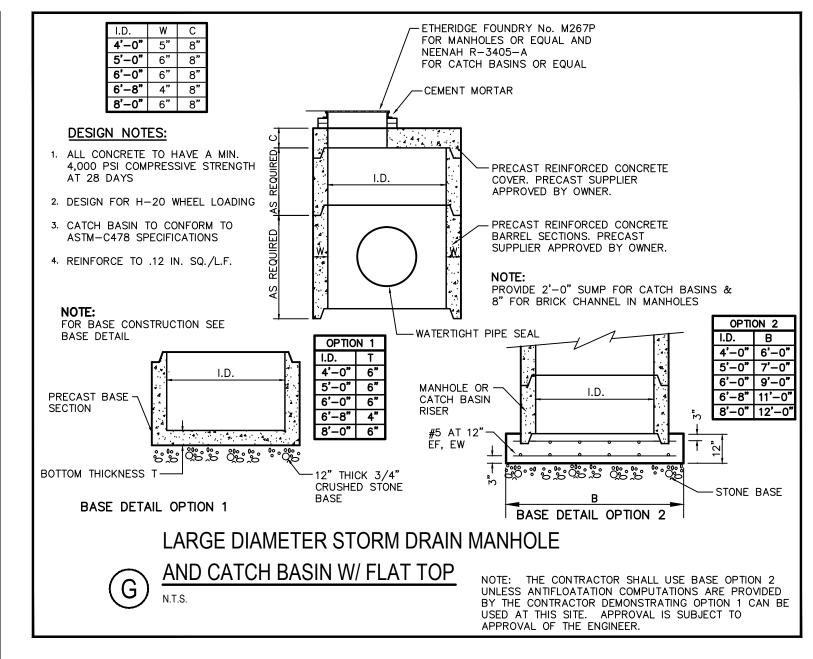
1.) THE PORTLAND WATER DISTRICT MAY HAVE INSPECTION FEES AND REQUIRE OBSERVATION OF ALL PIPING INSTALLATION BEFORE BURIAL. REFER TO SPECIFICATIONS.

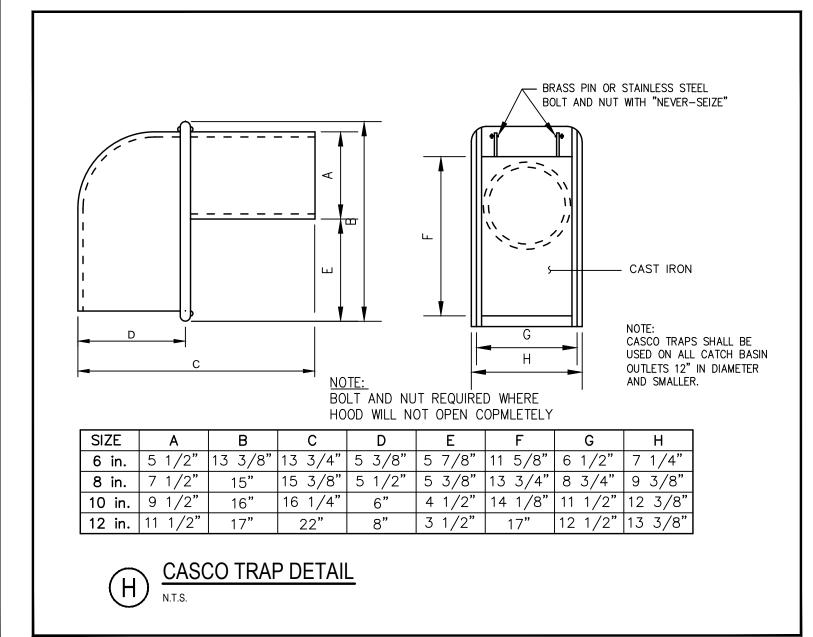
- 2.) REFER TO PORTLAND WATER DISTRICT SPECIFICATIONS FOR TESTING AND CHLORINATION REQUIREMENTS.
- 3.) ALL HYDRANTS AND VALVES TO BE EPOXY COATED, NUTS & BOLTS TO BE STAINLESS STEEL.
- 4.) SERVICE RODS FOR DOMESTIC SERVICE OR AIR VALVES TO BE STAINLESS STEEL.

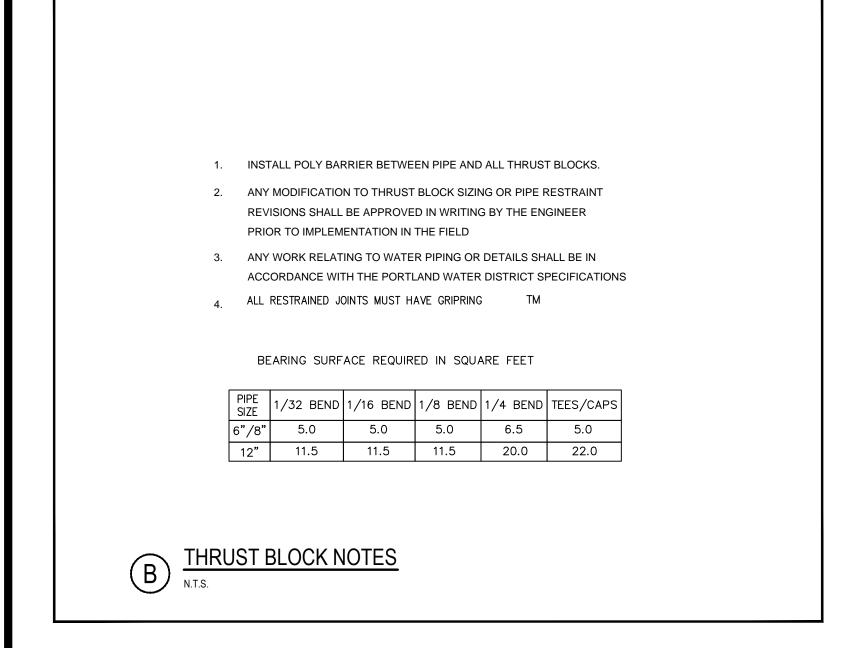


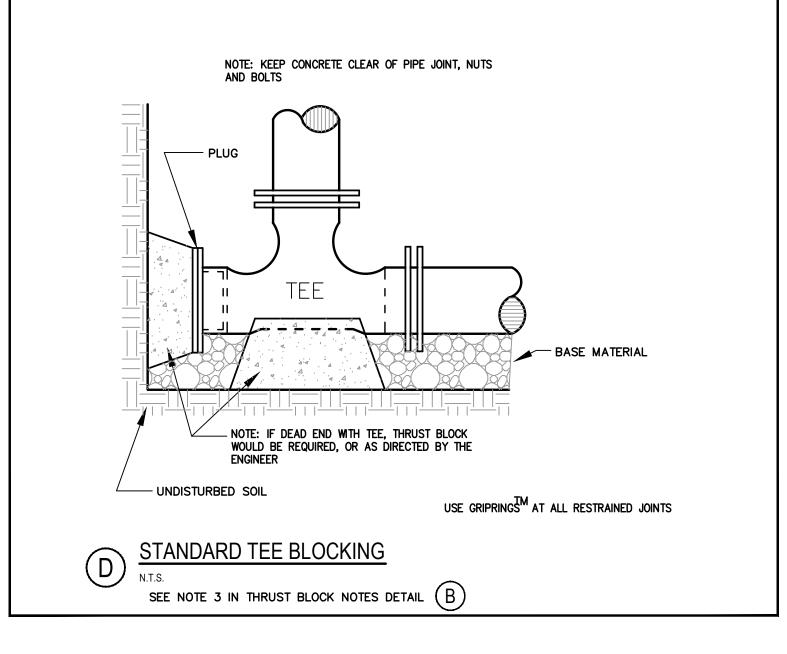


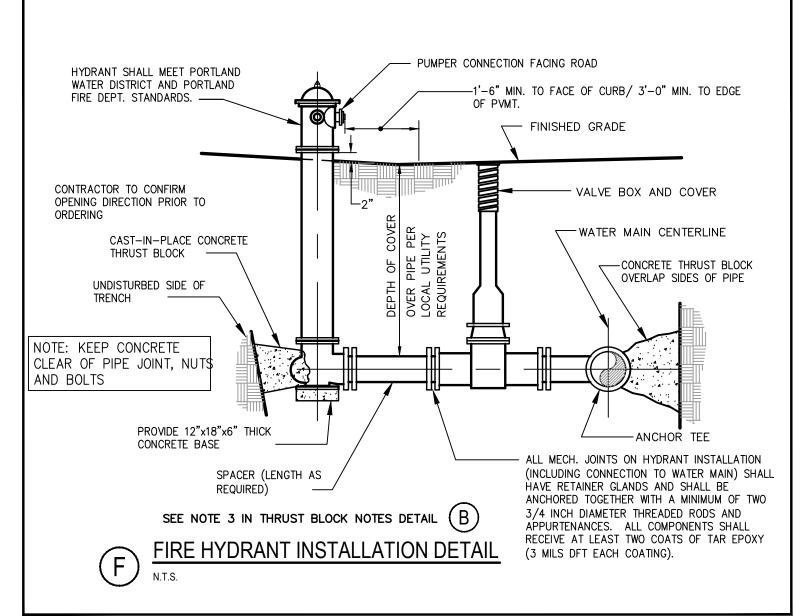


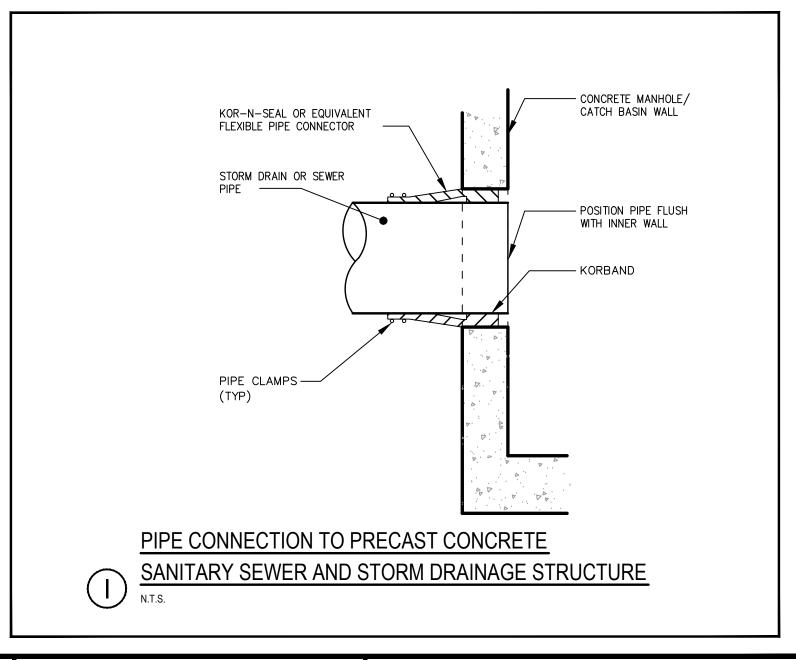


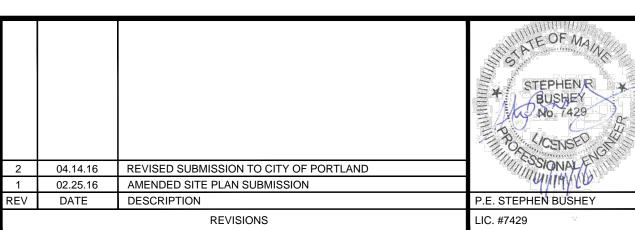


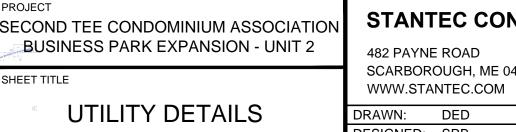












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