

NOTE: KEEP CONCRETE CLEAR OF PIPE JOINT, NUTS AND BOLTS

- NOTE: IF DEAD END WITH TEE, THRUST BLOCK WOULD BE

TOP

SECTION

STYLE

COVER

-WEDGE

TWIST

LOCK

REQUIRED, OR AS DIRECTED BY THE ENGINEER

. — 4 — — -

- BASE MATERIAL

USE GRIPRINGSTMAT ALL RESTRAINED JOINTS

NUMBERS ARE FOR

SECTION

5.25" BUFFALO

VALVE BOXES

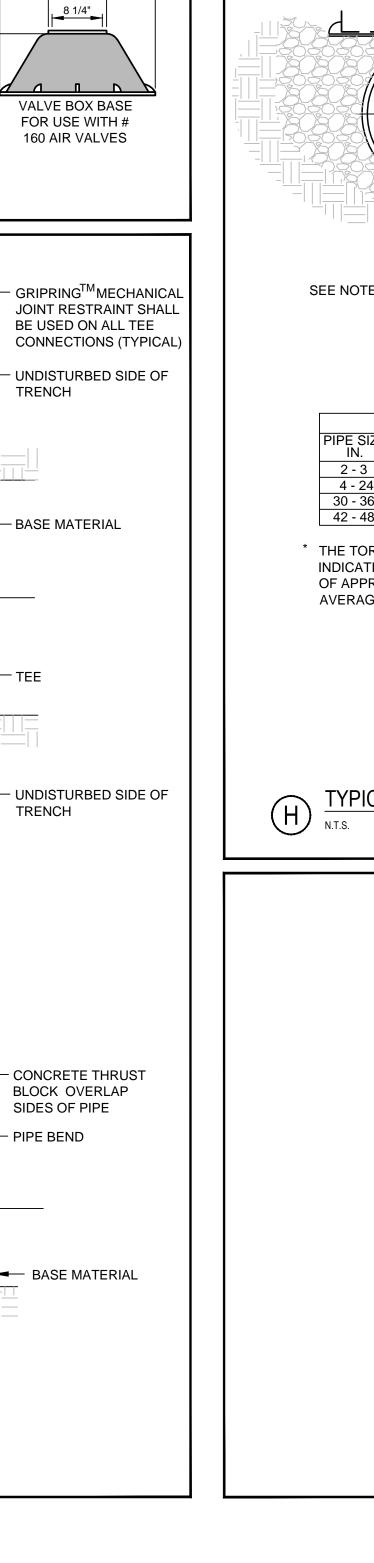
SEE NOTE 3 IN THRUST BLOCK NOTES DETAIL B

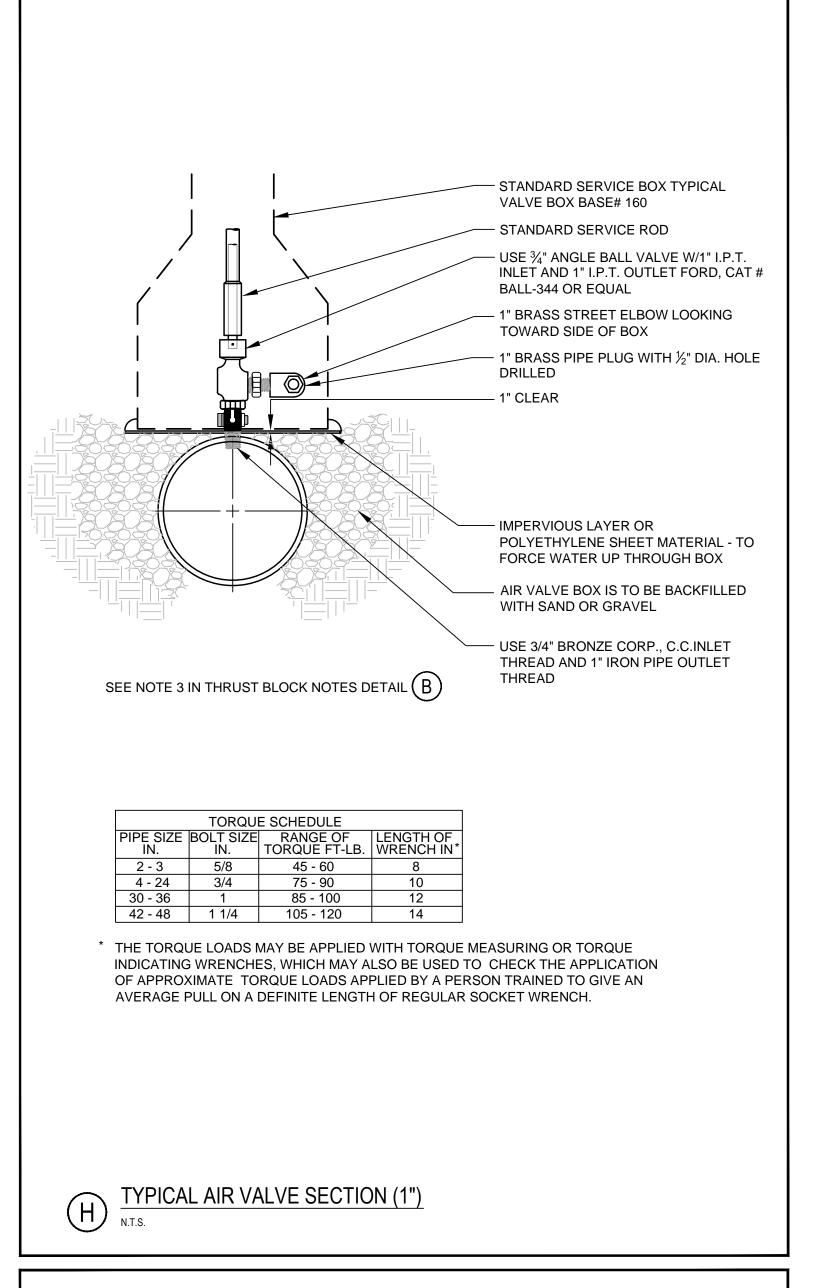
- UNDISTURBED SOIL

INTERMEDIATE

SECTION

SEE NOTE 3 IN THRUST BLOCK NOTES DETAIL B





PAVEMENT —

PIPE

STANDARD WATER MAIN BY PWD SECTION THRU EARTH TRENCH

ROADWAY BASE, SUBBASE

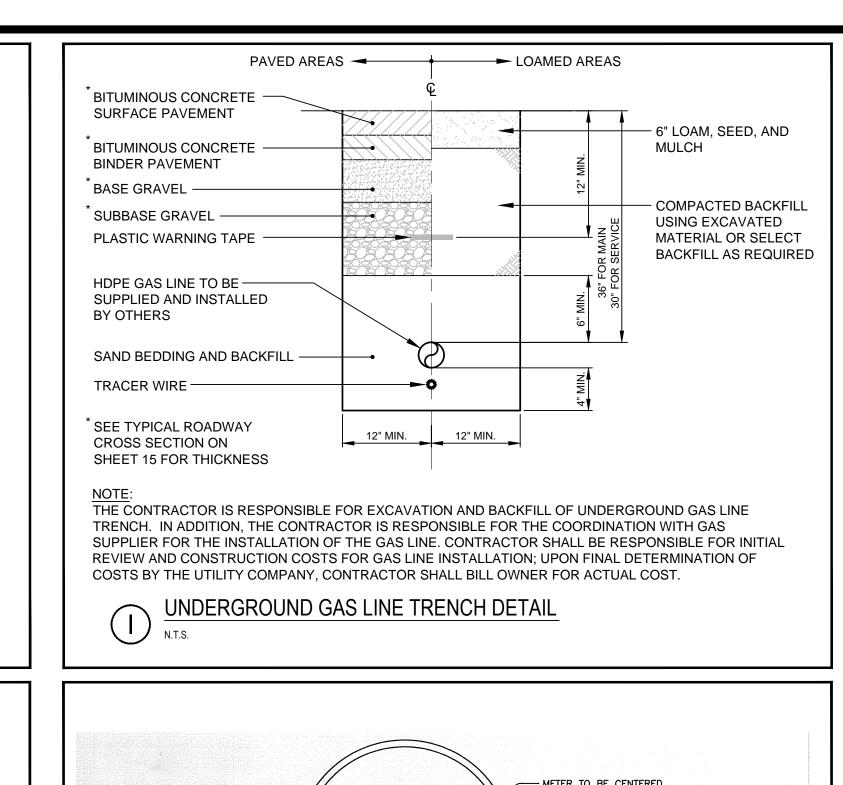
BELL HOLE

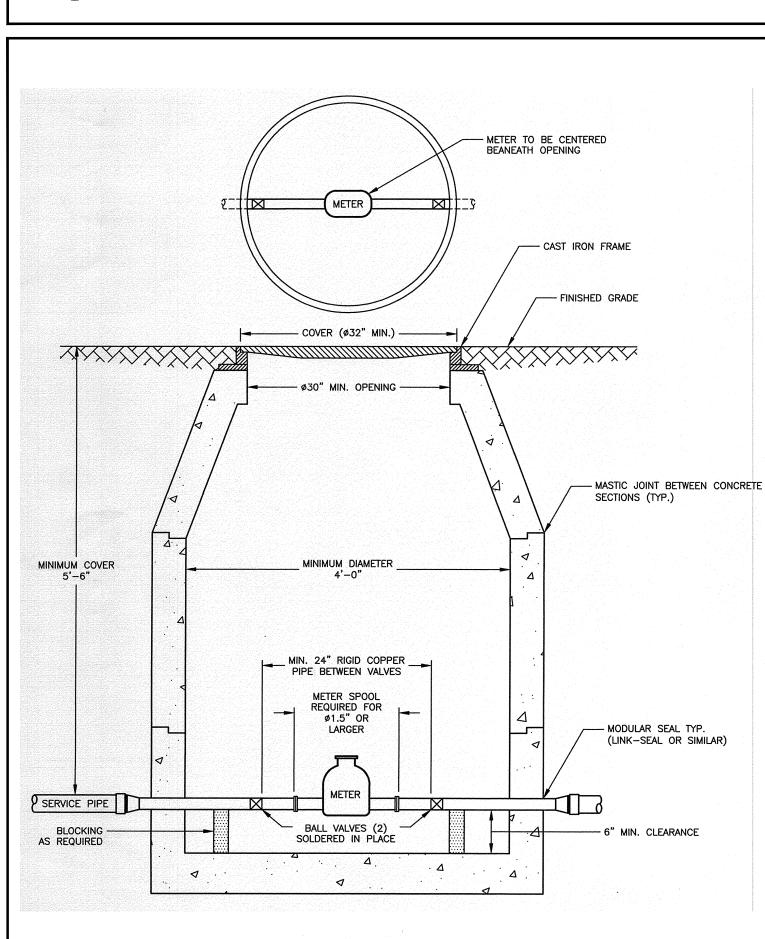
AND PAVING AS SPECIFIED

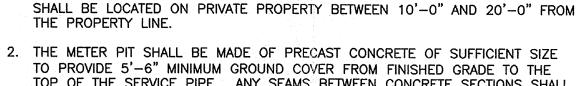
OR SHOULDER

6" LOAM & SEED —

AS SPECIFIED







METER PIT AND COVER NOTES

1. THE METER PIT SHALL BE SUPPLIED AND INSTALLED BY THE CUSTOMER AND

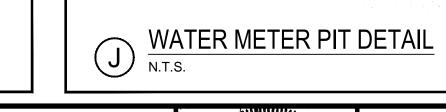
- TOP OF THE SERVICE PIPE. ANY SEAMS BETWEEN CONCRETE SECTIONS SHALL BE SEALED WITH MASTIC JOINT. ALL OPENINGS IN THE CONCRETE FOR SERVICE PIPING SHALL BE SEALED WITH A MODULAR SEAL (LINK-SEAL OR
- 3. THE INTERIOR OF THE METER PIT SHALL BE A MINIMUM OF 4'-0" IN DIAMETER, AND THE METER PIT OPENING SHALL BE A MINIMUM OF 30" IN DIAMETER WITH A CAST IRON FRAME. THE METER PIT COVER SHALL BE CAST IRON, 32" MINIMUM IN DIAMETER, AND BE EITHER PERMANENTLY LABELED "WATER" OR HAVE NO LABEL. ANY STEEL PLATE MATERIAL SHALL BE COATED WITH A RUST
- 4. WALL-MOUNTED LADDER RUNGS SHOULD NOT BE INSTALLED WITHIN METER PIT.
- 5. ALL PIPING INSIDE AND EXTENDING THROUGH THE METER PIT SHALL BE MADE OF COPPER, WITH A MINIMUM OF 6" CLEARANCE FROM THE METER PIT FLOOR. BLOCKING SHALL BE INSTALLED AS REQUIRED TO SUPPORT THE PIPE.
- 6. CUSTOMER SHALL ENSURE THE METER PIT AND COVER ARE PROPERLY RATED FOR TRAFFIC FLOW IF APPLICABLE.

METER NOTES

- 7. ONLY PORTLAND WATER DISTRICT PERSONNEL ARE AUTHORIZED TO INSTALL WATER METERS. PORTLAND WATER DISTRICT PERSONNEL WILL BE ADDITIONALLY AUTHORIZED TO OPERATE METER VALVES AS NEEDED FOR INSTALLATION AND MAINTENANCE.
- 8. PORTLAND WATER DISTRICT WILL SUPPLY THE WATER METER AND NECESSARY FITTINGS FOR INSTALLATION. IF REQUIRED, A FLANGED METER SPOOL WILL BE AVAILABLE FOR CUSTOMER PICKUP AT DOUGLASS STREET CUSTOMER SERVICE AND MUST BE INSTALLED BY CUSTOMER PRIOR TO METER SET. ALL OTHER MATERIALS, INCLUDING VALVES, SHALL BE SUPPLIED AND INSTALLED BY THE
- 9. CUSTOMER WILL INSTALL TWO (2) BALL VALVES 24" APART FOR METER INSTALLATION, ALLOWING FOR THE WATER METER TO BE CENTERED UNDER THE METER PIT OPENING. BALL VALVES SHALL BE SOLDERED IN PLACE.
- 10. FOR A SERVICE PIPE WITH A DIAMETER OF 1" OR LESS, CUSTOMER WILL INSTALL RIGID COPPER PIPE (24" MINIMUM) BETWEEN THE BALL VALVES.
- 11. FOR PIPING WITH A DIAMETER OF 1-1/2" OR LARGER, THE CUSTOMER WILL OBTAIN A FLANGED METER SPOOL PIECE FROM THE PORTLAND WATER DISTRICT. THE CUSTOMER IS RESPONSIBLE FOR ENSURING THAT THE SPOOL PIECE IS
- 12. THE METER PIT MAY HOUSE UP TO TWO 5/8", 3/4" OR 1" METERS.
 INSTALLATION OF MULTIPLE METERS IN A METER PIT MUST RECEIVE PRIOR

INSTALLED PRIOR TO METER INSTALLATION.

APPROVAL FROM THE PORTLAND WATER DISTRICT.



IC. #11994

THE FOREFRONT AT THOMPSON'S POINT WATER AND GAS SERVICE DETAILS

FAY, SPOFFORD & THORNDIKE ENGINEERS · PLANNERS · SCIENTISTS 778 MAIN ST, SUITE 8, SOUTH PORTLAND, ME 04106 DATE: SEPT 2014 DRAWN: DED ESIGNED: BEK SCALE: N.T.S. CHECKED: SRB JOB NO. SP-M007B

C-7.7

1 08.13.15 FINAL SUBDIVISION APPLICATION SUBMISSION DATE DESCRIPTION

REVISIONS

E. BO/E! KENNEDY

ILE NAME: 2982.05-SUB DET FOREFRONT PARTNERS |, LP SHEET

R:\2982.05 Amended Site Plan Part II\Cadd\Permit Set\dwg\SUBDIVISION\2982.05-SUB DET.dwg davis_d 8/13/2015 3:23 PM

- PUMPER CONNECTION FACING ROAD

- VALVE BOX AND COVER

─ WATER MAIN CENTERLINE

1'-6" MIN. TO FACE OF CURB/

3'-0" MIN. TO EDGE OF PVMT.

- FINISHED GRADE

PROTECT WITH TWO BOLLARDS

- ANCHOR TEE

CONCRETE THRUST -

SEE NOTE 3 IN
THRUST BLOCK
NOTES DETAIL

NOTES DETAIL

BLOCK OVERLAP

SIDES OF PIPE

SEE DIVISION _

SPECIFICATIONS

THRUST BLOCK

UNDISTURBED -

SIDE OF TRENCH

NUTS AND BOLTS

CONCRETE BASE

SPECIFICATIONS SECTION _

FOR FIRE HYD. TYPE AND

HYDRANT TO

CAST-IN-PLACE CONCRETE

NOTE: KEEP CONCRETE CLEAR OF PIPE JOINT,

PROVIDE 12"x18"x6" THICK —

SPACER (LENGTH AS REQUIRED) -

ALL MECH. JOINTS ON HYDRANT INSTALLATION (INCLUDING CONNECTION -

FIRE HYDRANT INSTALLATION DETAIL

N.T.S.

TO WATER MAIN) SHALL HAVE RETAINER GLANDS AND SHALL BE

ANCHORED TOGETHER WITH A MINIMUM OF TWO 3/4 INCH DIAMETER

THREADED RODS AND APPURTENANCES. ALL COMPONENTS SHALL

"OPEN" LEFT