

NOT TO SCALE

1. ANY ALTERNATE TRENCHING METHODS SHALL BE APPROVED IN ADVANCE BY THE CITY. PRELIM. APPLICATION 2. ALL CONSTRUCTION METHODS SHALL CONFORM TO THE CITY OF PORTLAND TECHNICAL STANDARDS FIGURE FINAL APPLICATION 3. BRACING & SHEETING OR OTHER TRENCH PROTECTION TO BE PROVIDED TO MEET APPLICABLE STATE AND O.S.H.A SAFETY STANDARDS. ALL SUCH TRENCH PROTECTION SHALL BE THE RESPONSIBILITY OF THE BUILDING PERMIT CONTRACTOR. 4. WHERE APPLICABLE, PERFORATIONS IN STORM DRAIN (PERF.SD) SHALL BE ORIENTED UP. 5. ALL STORM DRAINS SHALL BE PVC SDR 35 MIN PS-46 RATING OR OR IN ACCORDANCE WITH CITY OF PORTLAND TECHNICAL MANUAL , SECTION 2 - SANITARY SEWER AND STORM DRAIN - PART 2.5.2 6. 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. 7. THIS DETAIL SHALL BE APPLIED ONLY TO PIPE TRENCHES WITHIN OF THE CITY OF PORTLAND ROW.STORM DRAIN COVER BETWEEN 2' AND 3' SHALL INCLUDE 4" OF RIGID INSULATION. COVER BETWEEN 3' AND 4' SHALL INCLUDE 2' RIGID INSULATION. OTHER UTILITIES: ADD 2" OF RIGID INSULATION FOR EACH FOOT ABOVE MINIMUM DEPTH. PAVED AREAS UNPAVED AREAS — 4" LOAM AND SEED Vinter transfer and a transfer HOT BITUMINOUS PAVEMENT GRADING "C" HOT BITUMINOUS PAVEMENT GRADING "B" AGGREGATE BASE COURSE, CRUSHED, TYPE "B" - PIPE SIZE AS NOTED AGGREGATE SUBBASE ON PLANS COURSE, GRAVEL, TYPE "D" COMMON BACKFILL FROM TRENCH TRENCH WIDTH EXCAVATION (INCIDENTAL) OR GRANULAR BORROW (IF ORDERED) PIPE DIAMETER | MAX. TRENCH WIDTH, A (FT) 3/4" CRUSHED STONE OR SAND (MDOT 703.33 TYPE C) 4 3/4" CRUSHED STONE FOR -PIPE BEDDING TO PIPE

CITY OF PORTLAND TYPICAL PIPE TRENCH DETAIL NOT TO SCALE

A (4' MIN.)

10

12

18

24

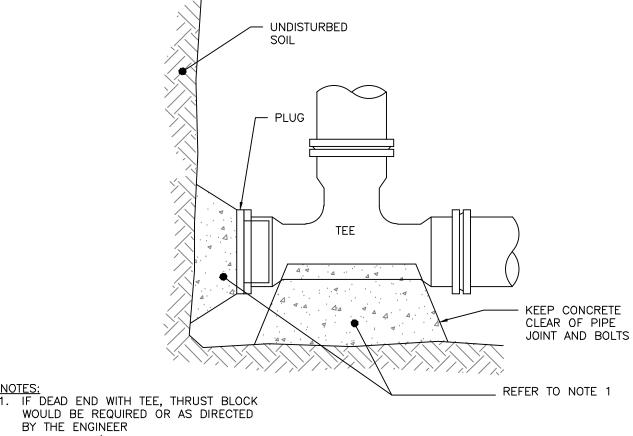
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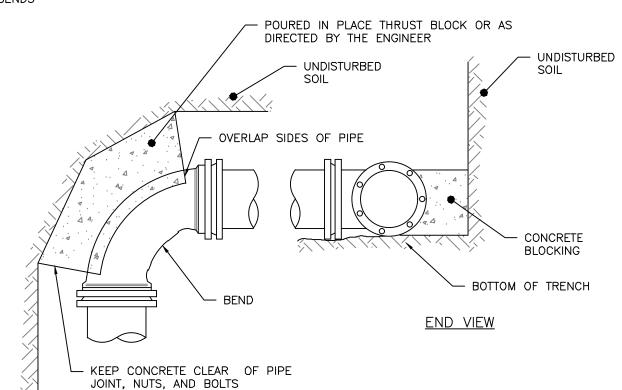
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SPRINGLINE

THICKNESS.



2. SEE THRUST/RETAINER GLAND SCHEDULE FOR TYPE OF BLOCKING TO BE USED ON END SECTION BENDS



TOP VIEW

THRUST BLOCKING: REGULAR BEND NOT TO SCALE

BUILDING PERMIT ISSUED FOR CONSTRUCTION CHECKED BY: WILLIAM H SAVAGE No 1419 5-12-10 YOUNGE!

SCALE:

DESIGNED BY:

DRAWN BY:

1068_DETAILS

12/28/15

ISSUED FOR

REVISION

DETAIL

DRAWING NO