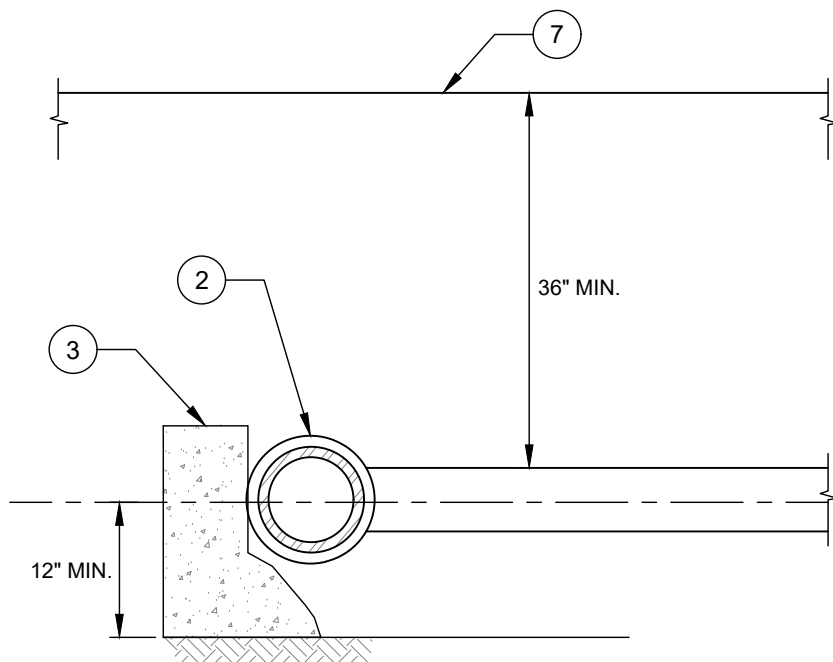


MECHANICAL JOINT TEE PLAN VIEW
NTS

NOTES TO DESIGNER
A. SEALING ENGINEER WILL SPECIFY EITHER ROUND BASE BRANCH SADDLE OR MECHANICAL JOINT SADDLE.



THRUST BLOCK TABLE	
TYPE OF FITTING	TEE OR DEAD END
TYPICAL PLAN VIEW	
MAIN SIZE (INCHES)	TOTAL REQUIRED BEARING AREA (FT ²)
4	2
6	3
8	5.5
10	8
12	11.5
14	14
16	18
18	22.5
20	27.5
24	40
30	62

NO. DESCRIPTION:

1. HDPE PIPE BUTT FUSION JOINT.
2. FULL BODY STAINLESS STEEL MJ BRANCH SLEEVE WITH OUTLET SEAL GASKET.
3. CONCRETE THRUST BLOCK (SEE TABLE FOR SIZING).
4. UNDISTURBED NATIVE SOIL.
5. TRENCH LIMITS.
6. EXISTING HDPE WATER MAIN.
7. PROPOSED GROUND SURFACE.

NOTES:

- A. BRANCH LARGER THAN MAIN IS NOT ALLOWED.
- B. IF COMPLETE SHUT OFF IS POSSIBLE ON EXISTING HDPE MAIN, USE BUTT FUSION MOLDED TEE. IF SHUT OFF IS NOT POSSIBLE, CONFIRM WITH CLTW INSPECTOR THAT MECHANICAL JOINT TEE OPTION IS ALLOWED.

THRUST BLOCK NOTES:

- A. THRUST BLOCKS TO BE 3,600 PSI CONCRETE.
- B. THRUST BLOCKS TO BE POURED AGAINST UNDISTURBED SOIL.
- C. JOINTS TO BE KEPT FREE OF CONCRETE. ALLOW WORKING ROOM AROUND NUTS AND BOLTS. WRAP FITTING WITH 2 LAYERS HDPE FILE (HDCLPE PER AWWA C-105). EACH LAYER MINIMUM 4 MILS THICK.
- D. AREAS GIVEN ARE FOR SDR 9 PIPE AT TEST PRESSURE OF 200 PSI IN SOIL WITH 2,000 PSF BEARING CAPACITY. A SAFETY FACTOR OF 1.5 IS INCLUDED IN CALCULATIONS. CHANGES SUBJECT TO FIELD CONDITIONS AND APPROVAL OF THE SEALING ENGINEER.
- E. TAPPING SLEEVES SHALL HAVE THRUST BLOCKS SIZED THE SAME AS TEES.