



NOTES:

1. ADDITIONAL REINFORCEMENTS SHALL BE AS SPECIFIED BY THE ENGINEER.
2. MINIMUM COMPRESSIVE STRENGTH FOR CONCRETE SHALL BE 3,000 PSI.
3. BEDDING, BACKFILL, AND COMPACTION SHALL BE SPECIFIED ELSEWHERE IN THE STANDARD DRAWINGS.
4. ALL FORM BOARDS SHALL BE REMOVED PRIOR TO BACKFILL.
5. NO ALLOWANCE SHALL BE MADE FOR FRICTION BETWEEN THE PIPE WALL AND THE THRUST COLLAR.
6. DESIGN PRESSURE: 150 PSI

CONCRETE THRUST BLOCK ANCHOR
N.T.S.



CITY OF PORTLAND
DEPARTMENT OF UTILITIES - WATER
STANDARD WATER DETAILS

REVISION NO: 2
DATE:06/05/2024

W-19