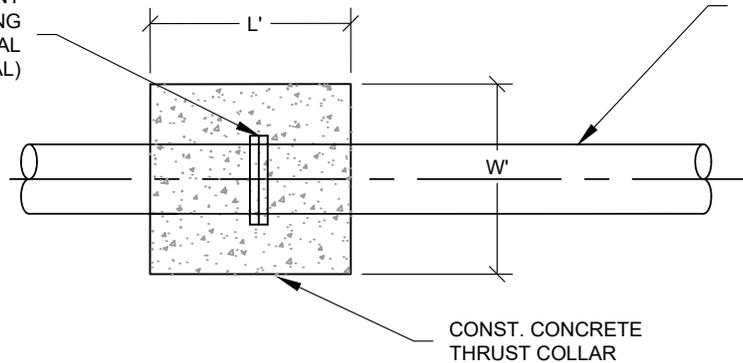
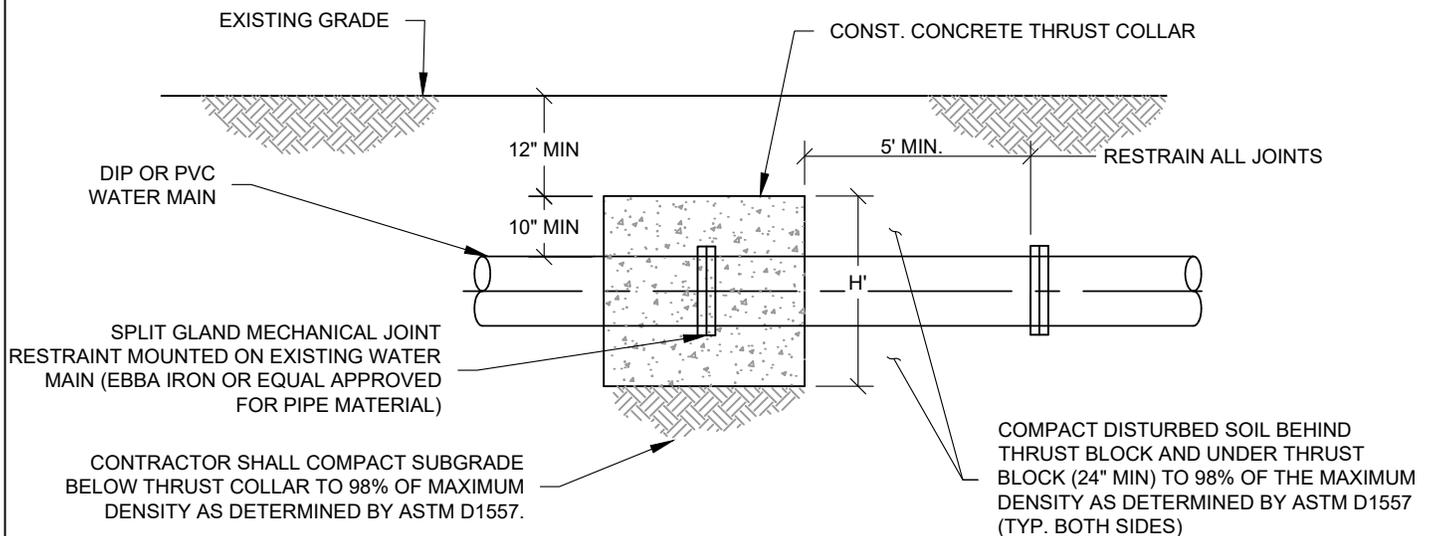


SPLIT GLAND MECHANICAL JOINT RESTRAINT MOUNTED ON EXISTING WATER MAIN (EBBA IRON OR EQUAL APPROVED FOR PIPE MATERIAL)

DIP OR PVC WATER MAIN



TOP VIEW



FRONT VIEW

NOT TO SCALE

DETAIL NOTES:

1. CONTRACTOR SHALL COMPACT SUBGRADE BELOW THRUST COLLAR TO 98% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D1557.
2. BACKFILL COMPACTION SHALL BE 98% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D1557. LIFTS SHALL BE 12" MAXIMUM.
3. CONTRACTOR SHALL CONSTRUCT A THRUST COLLAR ON EACH SIDE OF A 90 DEGREE BEND.
4. H X W X L (MIN) = 2.25' X 2.25' X 2.25' FOR 6" PIPE
5. H X W X L (MIN) = 2.75' X 2.75' X 2.75' FOR 8" PIPE
6. H X W X L (MIN) = 3.25' X 3.25' X 3.25' FOR 10" PIPE
7. H X W X L (MIN) = 4.0' X 4.0' X 4.0' FOR 12" PIPE
8. USE 4,000 PSI COMPRESSIVE STRENGTH CONCRETE IN ACCORDANCE WITH ASTM C94 MEETING THE FOLLOWING REQUIREMENTS:
 - WATER/CEMENT RATIO 0.48 WITHOUT ADMIXTURES BY WEIGHT
 - FLY ASH MAX. 15% OF CEMENT CONTENT, TYPE F ONLY
 - SLUMP 4" +/- 1" , 7" - 8" WITH SUPERPLASTICIZER
9. THRUST BLOCK SIZING IS BASED ON THE TYPICAL SYSTEM PRESSURE OF 75 PSI AND GENERALLY SANDY SOILS THAT YIELD BEARING PRESSURES OF 2000 PSF. THE CALCULATIONS DO CONSIDER SURGES AND A SAFETY FACTOR. WHERE CONDITIONS EXPERIENCE HIGHER SYSTEM PRESSURES, LOWER QUALITY SOILS OR SHALLOWER BURY DEPTHS THAN 3 FEET THE THRUST BLOCK SHALL BE RESIZED BY AN ENGINEER REGISTERED IN THE STATE OF FLORIDA.

WATER MAIN THRUST COLLAR

JUPITER UTILITIES
CONSTRUCTION STANDARDS AND DETAILS

DATE APPROVED:
01/2022
DRAWING No. W-14A