



NOTES:

1. FOR ENCASMENT SPACER DETAILS AND TYPICAL THRUST RESTRAINT FOR D.I. OVER BENDS AND PIPING.
2. DIMENSIONS A, B & C TO BE DETERMINED BY **CWU**.
3. MINIMUM ENCASMENT LIMITS ARE SHOWN ON THE DRAWINGS. THE ACTUAL LIMITS SHALL BE DETERMINED AT THE TIME OF CONSTRUCTION SUCH THAT THE ENCASMENT TERMINATES AT A PIPE JOINT.
4. RIP RAP SHALL BE INSTALLED TO MATCH CONTOUR OF STREAM BOTTOM AND STREAM BANK SIDES. DEPTH OF RIP RAP OF 18 INCHES.
5. ALL PIPE AND FITTINGS SHALL BE RESTRAINED JOINT DUCTILE IRON.
6. TR FLEX RESTRAINT JOINT OR HDPE SDR11 IS REQUIRED FOR ANY DIAMETER PIPE NON-VERTICAL. FIELD CUT JOINTS SHALL BE COMPLETED WITH A RESTRAINED JOINT OR WELDED BUTT JOINT.
7. VALVES SHALL BE INSTALLED AT BOTH ENDS OF THE CROSSING. VALVE BOXES SHALL BE ACCESSIBLE AND NOT SUBJECT TO FREQUENT FLOODING, VALVE LOCATION TO BE DETERMINED BY **CWU**.
8. CASING END SEAL ARE REQUIRED



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CITY OF CARMEL
STANDARD DETAILS

TITLE:
WATER MAIN CASING
ENCASEMENT DETAIL

Date: January 2023

Scale: No Scale

Drawn By: Crossroad Engineers

Drawing Name: CW-46