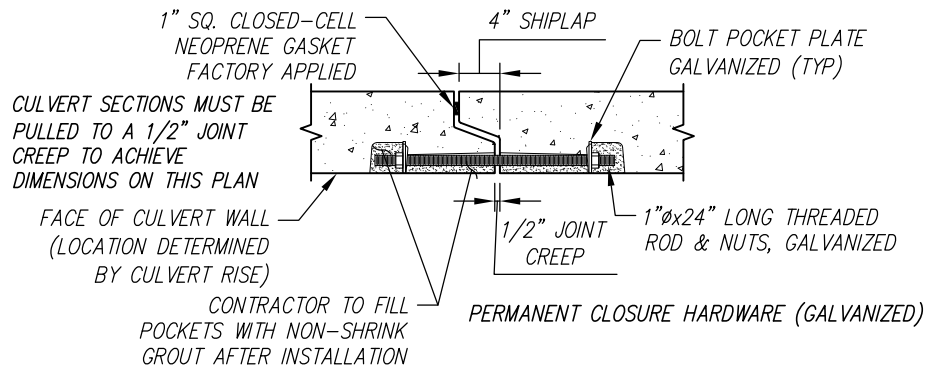
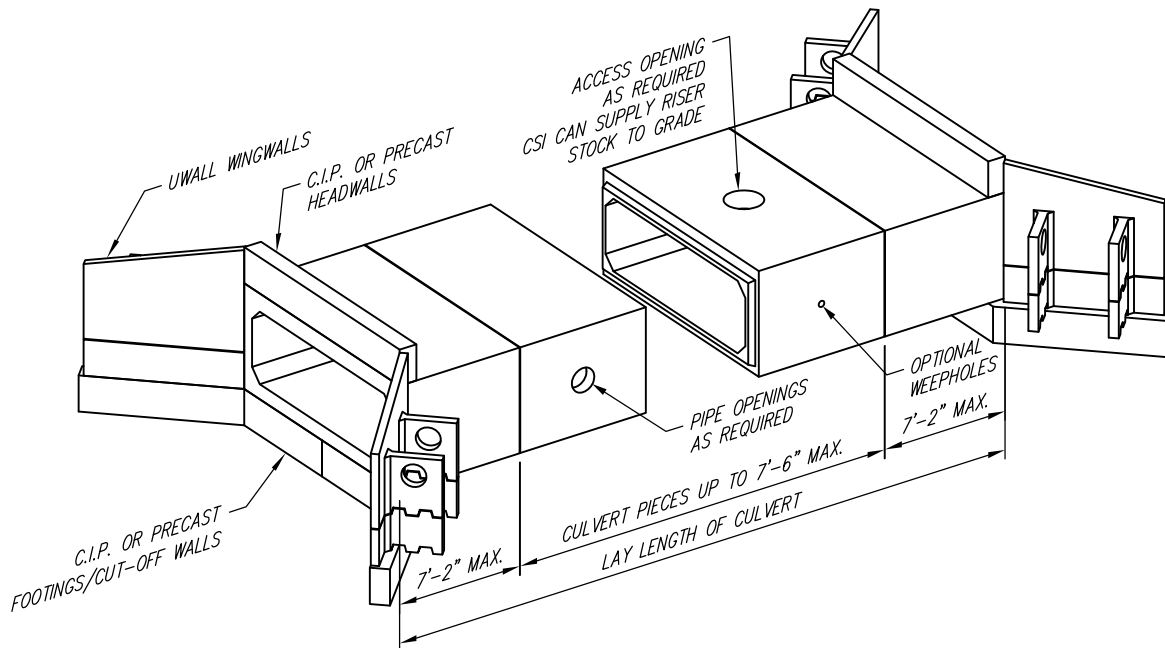




Concrete Systems Inc.
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PRECAST BOX CULVERT WITH UWALL WINGWALLS - SINGLE CELL



CONNECTION/JOINT DETAIL

GENERAL NOTES:

1. REFERENCE STANDARDS:

AASHTO "LRFD BRIDGE DESIGN SPECIFICATIONS"
ASTM C1577

2. DESIGN PARAMETERS:

LIVE LOAD: AS SPECIFIED

EARTH COVER: PER JOB CONDITIONS

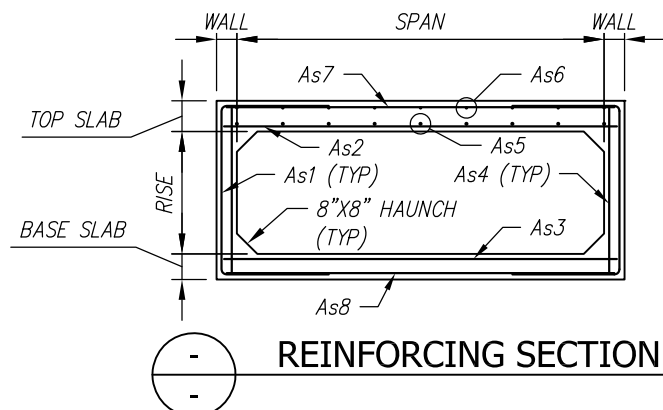
CONCRETE: DESIGN STRENGTH $f'_c = 5000$ PSI
UNIT WEIGHT = 150 PCF

REINFORCING: ASTM A615 (REBAR) GR 60
ASTM A1064 (WWF) $F_y = 65$ KSI

SOIL UNIT WEIGHT = 120 PCF
MINIMUM LATERAL PRESSURE = 30 PCF
MAXIMUM LATERAL PRESSURE = 60 PCF

COVER TO REINFORCING: 1 1/2" U.N.O.

3. EXTERIOR DAMPPROOFING CAN BE SUPPLIED BY CSI.



REINFORCING SECTION