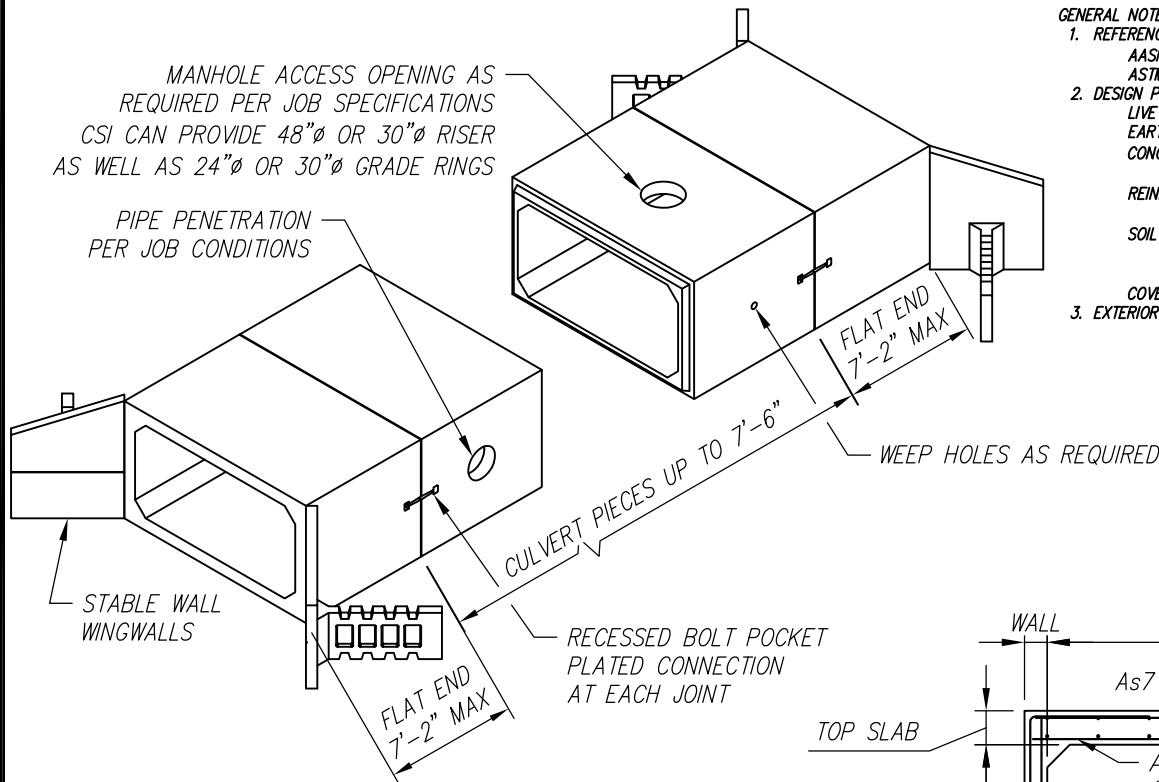




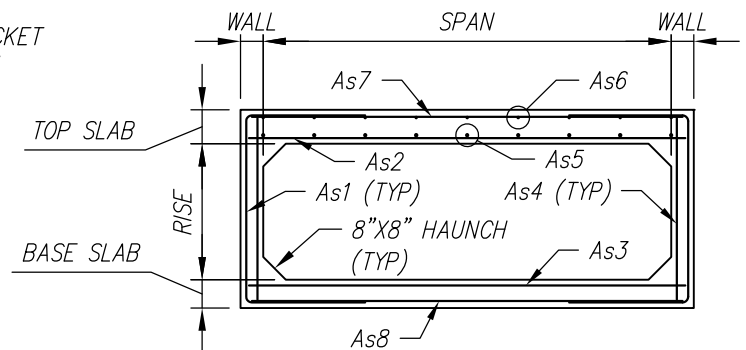
Concrete Systems Inc.
9 Commercial St., Hudson, NH, 03051
Phone 603-889-4163
Fax 603-889-2417

PRECAST BOX CULVERT WITH STABLE WALL WINGWALLS - SINGLE CELL



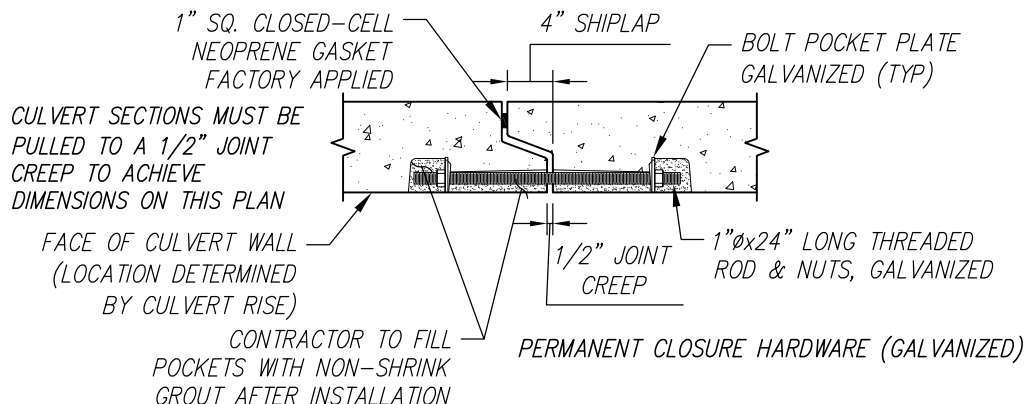
GENERAL NOTES:

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

Scale: N.T.S.



CONNECTION HARDWARE DETAIL

Scale: N.T.S.