



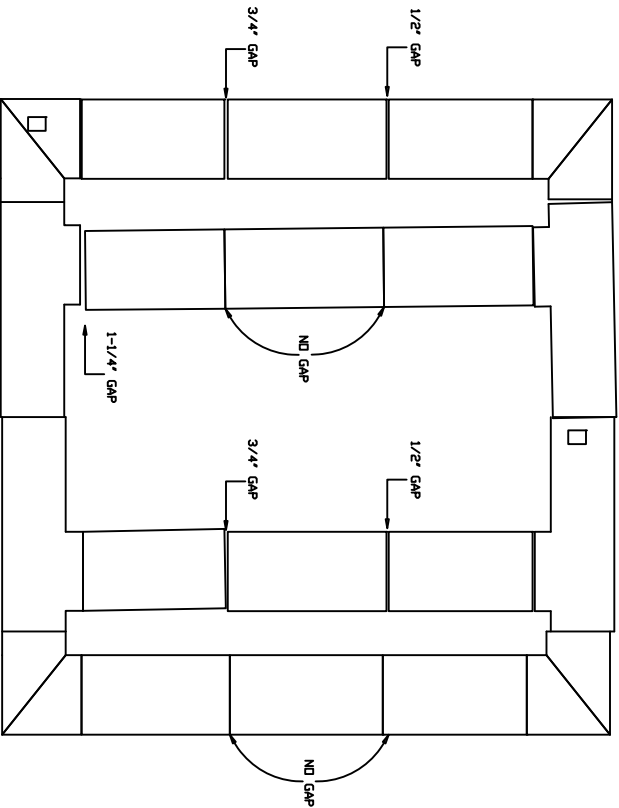
# PACIFIC CORRUGATED PIPE CO. D.B.A. ARIZONA CULVERT CO.

CASA GRANDE, AZ (520) 426-6000 DR (800) 822-1770 SANTA FE, NM (505) 474-5400

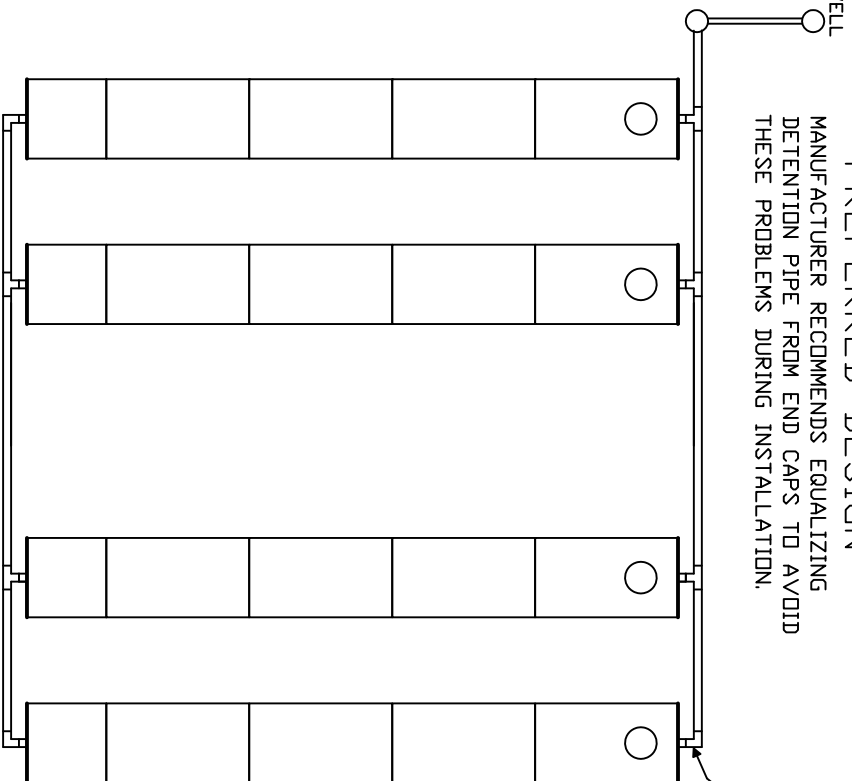
## DESIGN PROBLEMS

REVISION: 05/03/2007

**NOT RECOMMENDED**  
IT IS VIRTUALLY IMPOSSIBLE TO ALIGN  
LARGE DIAMETER MANIFOLD PIPE DURING THE  
INSTALLATION PROCESS.



**PREFERRED DESIGN**  
MANUFACTURER RECOMMENDS EQUALIZING  
DETENTION PIPE FROM END CAPS TO AVOID  
THESE PROBLEMS DURING INSTALLATION.



12" HDPE, FIELD BUILT OUTLET W/  
FITTINGS, AASHTO M-252 & M-294  
( OR )  
12" CSP (064) 2-2/3" X 1/2"  
CORRUGATION, ALUMINIZED TYPE II,  
FIELD BUILT OUTLET W/ FITTINGS,  
AASHTO M-274

**NOTE:**

THE OPTIMUM METHOD OF  
EQUALIZING MULTIPLE BARRELS  
IS AT THE BULK HEADS WITH A HDPE  
OR CSP FIELD BUILT MANIFOLD. THIS  
ELIMINATES PIPE MISALIGNMENTS,  
EXCESSIVE LEAKAGE AND  
BACKFILL PROBLEMS.

(OPTIONAL 2ND MANIFOLD)  
12" HDPE, FIELD BUILT OUTLET W/  
FITTINGS, AASHTO M-252 & M-294  
( OR )  
12" CSP (064) 2-2/3" X 1/2" CORRUGATION, ALUMINIZED  
TYPE II, FIELD BUILT OUTLET W/ FITTINGS, AASHTO M-274