



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

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

CORRUGATED PIPE DETENTION SYSTEM (MULTIPLE BARREL)

REVISION: 06/10/2008

NOTE: TO MEET FOLLOWING SPECIFICATIONS
AASHTO M-36 (MANUFACTURING PROCESS)
AASHTO M-274 (ALUMINIZED)

120" CMP, 14 GA. (.079)
3"x1" CORRUGATIONS,
ALUMINIZED TYPE II
OR GALVANIZED
BITUMINOUS COATED
(OPTIONAL)

GUIDELINES FOR PIPE SPACING	
SLURRY-----	0.5' MIN.
FLOWABLE-----	1.5' MIN. (PEA GRAVEL/CRUSHED ROCK)
NATIVE SOIL----	3.0' MIN.

GENERAL NOTE:

3' - 4' OF FILL IS RECOMMENDED
BY MANUFACTURER FOR CONSTRUCTION
EQUIPMENT. SEE TABLE 4.6, STEEL DRAINAGE
AND HIGHWAY CONSTRUCTION PRODUCTS.

12" HDPE OR CSP (.064) ALZ.
TYPE II DISCHARGE PIPE

DRYWELL

FULL WELD END CAP
(TYPICAL)

3/16" (.188) PLATE OR GREATER;
NO REINFORCEMENT REQUIRED
OR
12 GAUGE (.109) SHEETING;
REINFORCEMENT REQUIRED

PREFABRICATED CATCH
BASIN/ACCESS MANHOLE
RISER 24" THRU 48" DIA.
CMP CENTERED, WITH CAST
IRON FRAME & GRATE (AS
PER SECTION DETAIL)
(TYPICAL)

ACCESS MANHOLE/VENT

WATER TIGHT JOINTS: METAL
CONNECTING BANDS w/ 3/8"x 7"
CLOSED CELL NEOPRENE SLEEVE
GASKET OR "O" RING GASKET
(TYPICAL)

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.

12" HDPE, FIELD BUILT OUTLET w/
SMOOTH SLEEVE ADAPTOR FITTING.
(SEE SECTION DETAIL SHEET)
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

THE INFORMATION PRESENTED SHOULD BE CHECKED BY THE PROFESSIONAL ENGINEER RESPONSIBLE FOR THE DESIGN TO VERIFY ACCURACY. ALSO, THE ASSUMPTIONS AND METHODS USED TO OBTAIN THE INFORMATION SHOULD BE REVIEWED TO MAKE CERTAIN THAT THEY ARE APPLICABLE AND SUITABLE FOR THE PROJECT DESIGNED.

N.T.S.