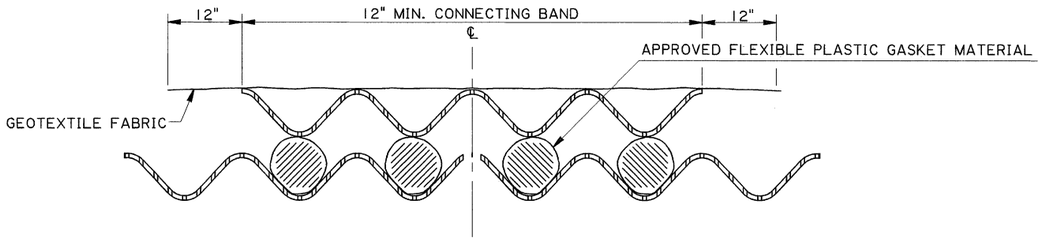
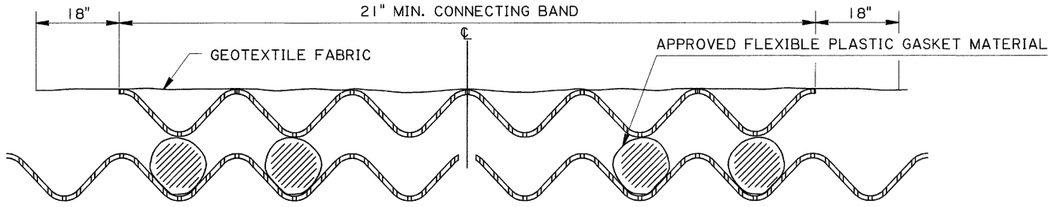


FOR PIPES LESS THAN OR EQUAL TO 36" ROUND OR EQUIVALENT ARCH

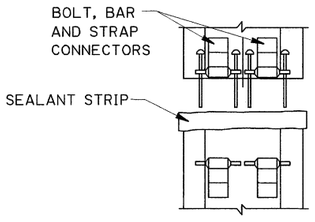


FOR PIPES GREATER THAN 36" ROUND OR EQUIVALENT ARCH
AND FOR ALL SIZES OF 6 X 1 AND 5 X 1 CORRUGATIONS

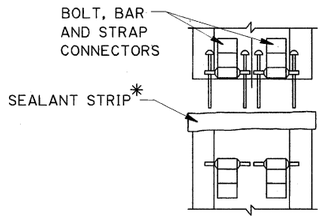
METHOD OF SEALING ANNULAR JOINT AT CONNECTING BAND WHERE TWO PIPE SECTIONS ARE JOINED

FLEXIBLE PLASTIC GASKET SYSTEM

T2 & T3 JOINTS AS SHOWN (WITH RODS & LUGS).
T1 JOINT SIMILAR, EXCEPT REQUIRES ONLY ONE STRIP OF PLASTIC GASKET MATERIAL IN SECOND CORRUGATION EACH SIDE OF JOINT.

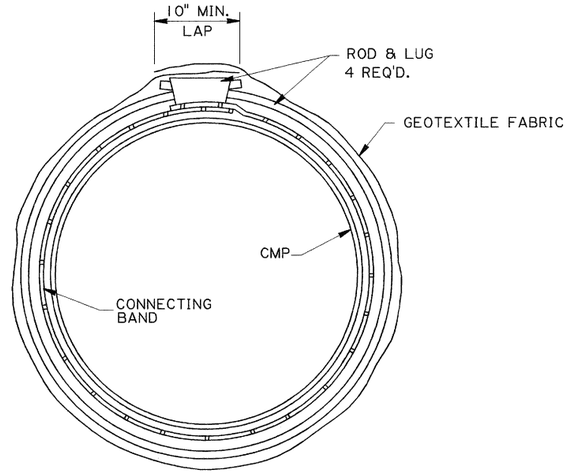


CONNECTION DETAIL
DOUBLE HARNESS

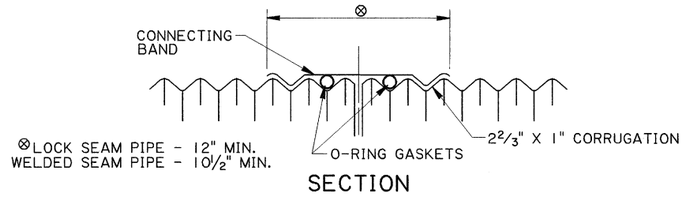


CONNECTION DETAIL
DOUBLE HARNESS

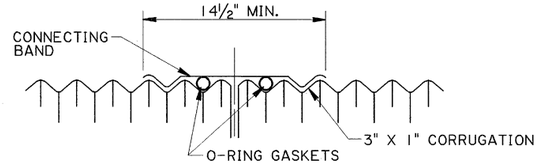
*BAND LAP SEALANT TO BE FLEXIBLE PLASTIC GASKET MATERIAL. REQUIRED THICKNESS IN TABLE. REQUIRED WIDTH IS BAND WIDTH PLUS 2".



CONNECTING BAND WITH ROD & LUG
(FLEXIBLE PLASTIC GASKET SYSTEM)



SECTION



SECTION

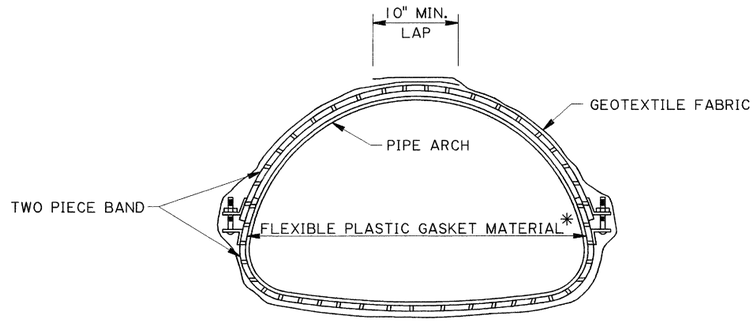
ALTERNATE CONNECTING BANDS
O-RING SYSTEM

GEOTEXTILE FABRIC CLOTH REQUIRED - SAME AS SHOWN ABOVE.

O-RING AND FLEXIBLE GASKET THICKNESS			
PIPE SIZE	CORRUGATION DEPTH	O-RING THICKNESS	FLEXIBLE GASKET THICKNESS
36" & UNDER	½"	13/16"	1"
LARGER THAN 36"	½"	⅞"	1"
ALL SIZES	1"	1⅜"	1½"

GENERAL NOTES:

1) O-RING GASKETS WILL BE REQUIRED WHENEVER O-RING SYSTEM CONNECTING BANDS ARE USED. O-RING GASKETS SHALL BE IDENTIFIED BY SIZE, DIAMETER, BATCH OR REEL NUMBER AND PLANT.
2) HELICAL ENDS SHALL BE RE-ROLLED AS PER CURRENT LA DOTD STANDARD SPECIFICATIONS.
3) FOR O-RING JOINT SYSTEMS, BOLTS SHALL BE TORQUED TO A MINIMUM OF 40 FT.LBS.
4) FOR FLEXIBLE PLASTIC GASKET SYSTEM ROUND PIPE, A MINIMUM OF 4 GALVANIZED ½" DIAMETER STEEL RODS AND LUGS SHALL BE PLACED OVER THE CONNECTING BAND. RODS MAY BE 2 PIECE FOR PIPE LARGER THAN 48".
5) GEOTEXTILE FABRIC SHALL CONFORM TO CURRENT LA DOTD STANDARD SPECIFICATIONS.
6) ARCH PIPE SHALL USE THE FLEXIBLE PLASTIC GASKET SYSTEM WITH APPROVED ANGLES OR STRAPS.
7) ALL GASKET MATERIAL SHALL BE APPROVED PRODUCTS ON CURRENT LA DOTD QUALIFIED PRODUCTS LIST.
8) PIPE JOINTS TO BE IN ACCORDANCE WITH CURRENT LA DOTD STANDARD SPECIFICATIONS.



METHOD OF SEALING LONGITUDINAL
JOINTS AT TWO PIECE
CONNECTING BAND
(FLEXIBLE PLASTIC GASKET SYSTEM)

SHEET NUMBER
PARISH
CONTROL SECTION
STATE PROJECT
DESIGN CDJ
CHECK HJB
DETAIL KAJ
CHECK WMR
REVIEW
SERIES # 2 OF 2
APPROVED BY CHIEF ENGINEER:
DATE: 6/1/2026
NO. DATE REVISION OR CHANGE ORDER DESCRIPTION BY

METAL PIPE WALL THICKNESS
AND CONNECTING BANDS
FILL HEIGHT FOR METAL PIPE

SAM-1

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

STANDARD PLAN