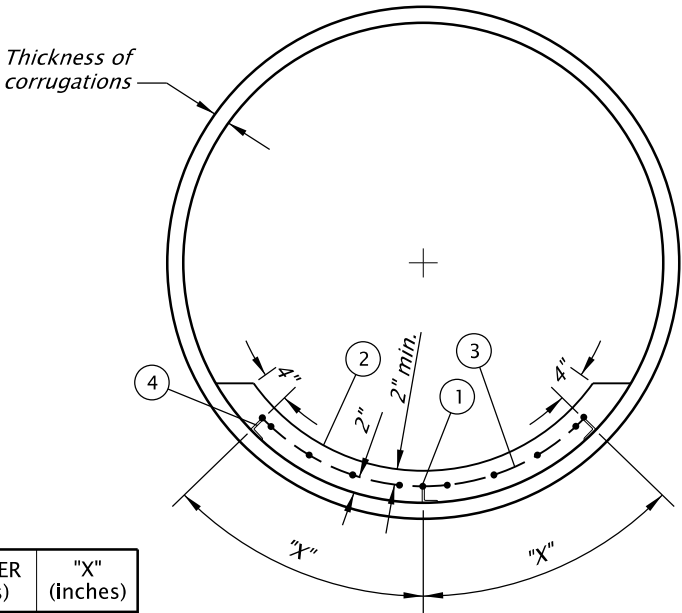
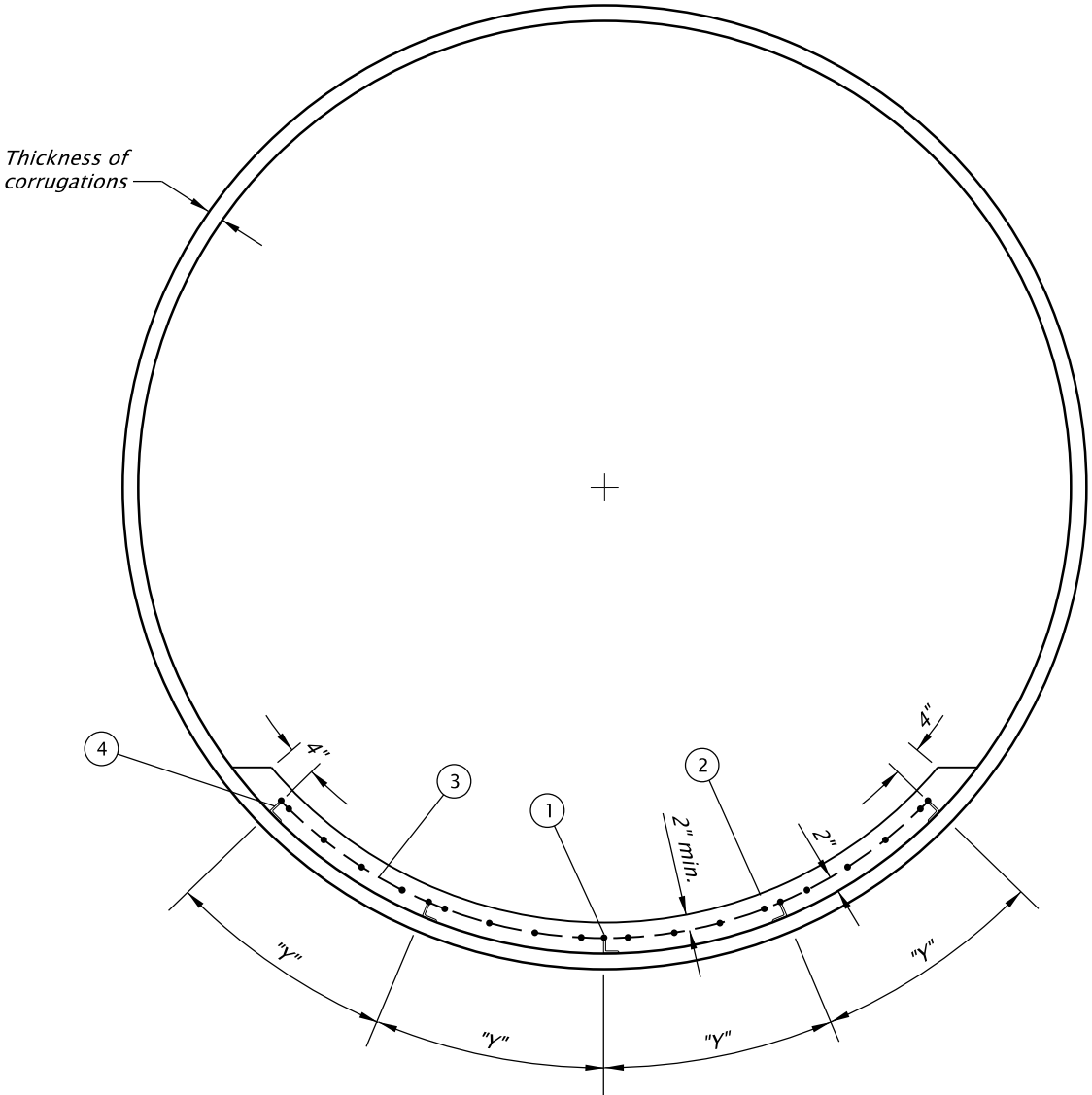




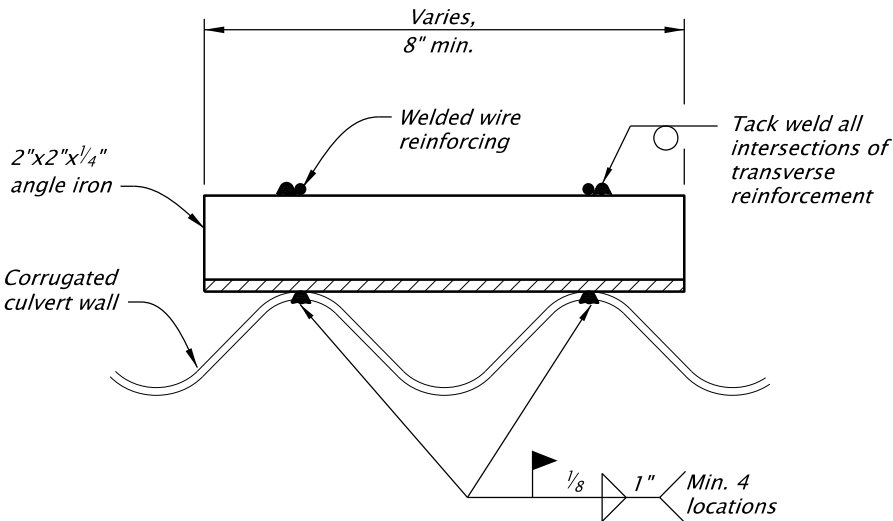
36" - 60" DIAMETER CULVERTS

DIAMETER (inches)	"X" (inches)
36	15
42	17
48	19
54	21
60	24



66" - 120" DIAMETER CULVERTS

DIAMETER (inches)	"Y" (inches)
66	13
72	14
78	16
84	17
90	18
96	19
102	21
108	22
114	23
120	24



NOTE: Remove galvanizing from area to be welded.

WELDING DETAIL

GENERAL NOTES FOR ALL DETAILS THIS SHEET:

1. Water diversion required.
2. The surfaces to be in contact with the concrete shall be clean, with no standing water, to the satisfaction of the Engineer.
3. Concrete shall cure for a minimum of 48 hours before water is permitted to flow on the invert.
4. The concrete shall be finished to a smooth surface acceptable to the Engineer.
5. All concrete shall be commercial grade concrete.

CULVERT NOTES:

- ① Tack weld, typical, see welding detail.
- ② 4 inch minimum thickness concrete as measured above corrugations, see general notes.
- ③ Welded wire reinforcement 6"x6" – W2.1xW2.1 shall be placed 2 inches above the crests of corrugations and securely fastened by welding to each angle iron previously welded to structure. Welded wire reinforcement shall be placed to provide a 4 inch minimum clearance from the edges of concrete. All joints to be lapped a minimum of 6 inches.
- ④ 2"x2"x1/4" angle iron, 8 inch minimum length, welded to crest of corrugations. See detail below. Place 24 inches on center. See table for lateral placement.

The selection and use of this detail, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.

OREGON DEPARTMENT OF TRANSPORTATION



ENGINEERING AND
TECHNICAL SERVICES BRANCH

CULVERT MAINTENANCE

DETAIL NO.

DET1346