



STANDARD DETAILS

CITY OF SHERWOOD  
ARKANSAS

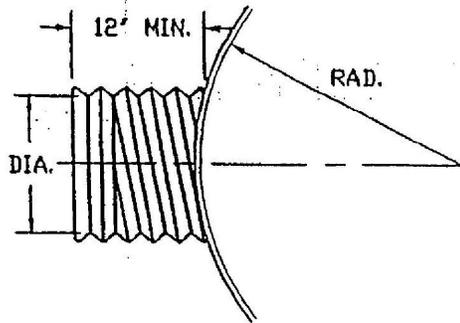
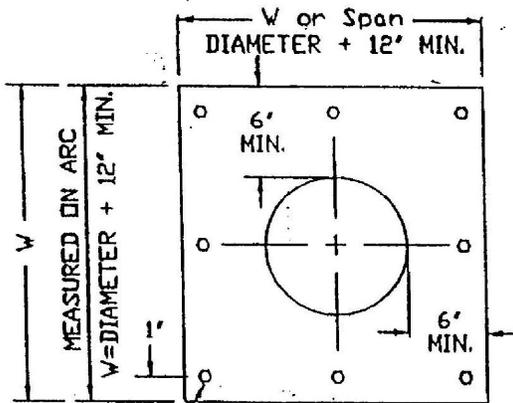
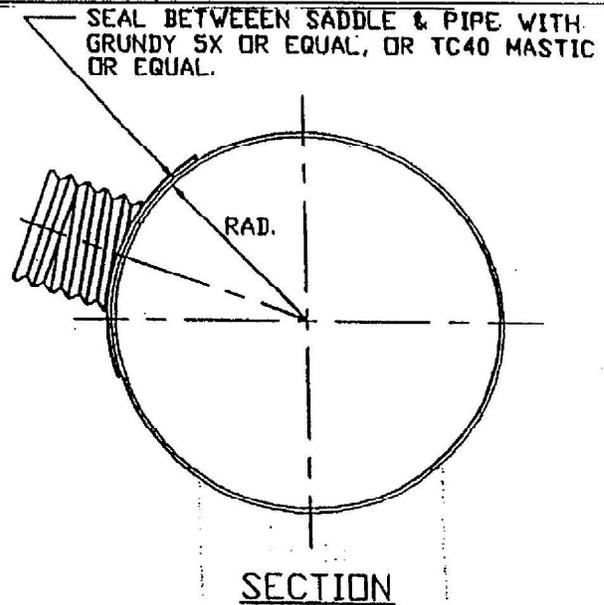
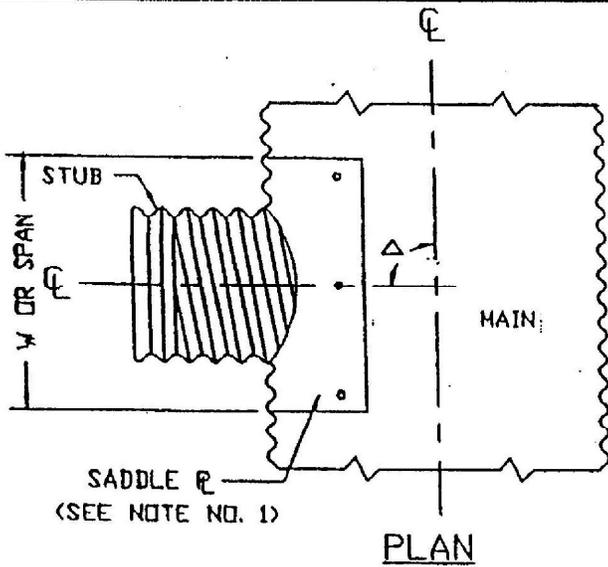
TITLE

CORRUGATED METAL PIPE  
TYPICAL SADDLE CONNECTION  
FOR MAIN LINES SMALLER THAN 69"

STD-16

Issue Date  
January, 2007

Revision Date



1st OUTSIDE CREST (USE 1/2" HOLES FOR BOLTS)  
3/8" DIA. X 1 1/2" BOLTS (TYP.) OR 1/4" TEK 5 SELF DRILLING SCREWS.

TYPICAL SADDLE BRANCH

NOTES:

- SADDLE PLATES ARE THE SAME GAUGE OR ONE GAUGE HEAVIER THAN THE MAINLINES.
- SUPPLY ANGLE FOR OTHER THAN 90°
- $W \text{ OR SPAN} = (D + 12") \cos A$
- FASTENERS ARE 3/8" A 307 BOLTS OR 1/4" TEK 5 SELF DRILLING SCREWS.

INSTALLATION INSTRUCTIONS:

- PLACE THE SADDLE ON THE PIPE. MARK THE I.D. OF THE STUB MAIN.
- CUT THE HOLE IN THE MAIN TO SAME DIAMETER AS THE MARKED I.D. OF THE STUB WITH A SABER OR A CIRCULAR SAW. ALWAYS USE GOOD VENTILATION. DO NOT USE A TORCH.
- PLACE SEALANT BETWEEN THE SADDLE AND THE MAIN.
- PLACE THE SADDLE OVER THE HOLE. ATTACH WITH 3/8" BOLTS OR 1/4" TEK SELF DRILLING SCREWS THROUGH THE OUTSIDE CREST PER TABLE 1. WHEN USING BOLTS, PLACE THE NUTS ON THE OUTSIDE OF THE SADDLE. SCREWS ARE INSERTED FROM THE OUTSIDE OF THE SADDLE. WHEN INSTALLING, TIGHTEN FASTENERS BY WORKING FROM THE CENTER TO THE CORNERS OF THE SADDLE.

Table 1: ATTACHMENT REQUIREMENTS

| Corrugation Type | Minimum Number & Spacing of Bolts or Screws Required |                 |
|------------------|--|-----------------|
|                  | Longitudinal   | Circumferential |
| 2-2/3" x 1/2"    | Every 2nd Crest                                      | 6"              |
| 3" x 1"          | Every 2nd Crest                                      | 6"              |
| 5" x 1"          | Every Crest  | 6"              |