NOTES FOR COUPLING BANDS:
1. Materials and coatings of watertight couplings bands, sleeve joint and helical metal bands shall be the same as that specified for the pipe.
2. All tank lugs, rods and nuts shall be galvanized steel. Where aluminum bands are used, the rods and lugs shall be separated from the aluminum bands by at least two layers of 2" wide plastic tape with a total thickness of 24 mils or more.
3. Corrugated metal coupling bands may be fabricated from one or two pieces with equal minimum lap lengths.

ELEVATION

DETAILS OF WATERTIGHT COUPLING BAND
FOR ANNULAR OR REROLLED HELICAL PIPE

ISOMETRIC VIEW

ALTERNATE "L" LUG

ALTERNATE "L" LUG
Use Rods And Lugs To Clamp Bands Securely To Pipe

1/2" Dia Rod And Lug 2 Required Per Band

Metal Diaphragm To Be Welded To Center Of Helical Pipe Band

Flat Sheet Metal Diaphragm Shall Be Be Cut To Fit Corrugations Of Helical Band And Welded With A Continuous Weld.

Notes For Diaphragms
1. Materials and coating for all diaphragms shall be the same as that specified for the pipe.
2. Diaphragms shall be shop fabricated, assembled and marked by painting to identify matching half sections of each diaphragm.
3. The laps between the half sections and between the pipe and connecting bands shall be caulked with fibred asphalt mastic at the time of installation.
4. All tank lugs, rods, and nuts shall be Galvanized steel. Where aluminum diaphragms are used, the rods and lugs shall be separated from the aluminum bands by at least two layers of 2" wide plastic tape with a total thickness of 24 mils or more.
5. The diaphragms shall be welded to the connecting band as shown on the drawings. All welds shall be treated as specified for class I, II and III welds, miscellaneous.
6. Bands shall be fabricated from material having the same class of corrugations as the pipe to which it is to be attached.

PARTIAL ELEVATION

DETAILS OF HELICAL PIPE DIAPHRAGMS

H

1/2" x 2" Horizontal slotted Holes In Lower Section For 3/8" Dia Bolts

C

Rivet Or Spot Weld 6" C.C. Max

Install With Vertical Corrugation

D.D. Of C.M. Pipe Including Coating

1/2" x 2" Vertical Slotted Holes In Lower Section For 3/8" Dia Bolts

NEW 3/8" C.C. Max

12" Min

1/2" Dia Steel Rod 2 Required Per Band

Diaphragm Connecting Band With Corrugation

W

DIAFRAGM DIMENSION TABLE

<table>
<thead>
<tr>
<th>Nominal Diaphragm</th>
<th>Fabrication Diaphragm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size (Width)</td>
<td>H (Height)</td>
</tr>
<tr>
<td>4' x 4'</td>
<td>4'-0&quot;</td>
</tr>
<tr>
<td>5' x 5'</td>
<td>5'-0&quot;</td>
</tr>
<tr>
<td>6' x 6'</td>
<td>6'-0&quot;</td>
</tr>
<tr>
<td>7' x 7'</td>
<td>7'-0&quot;</td>
</tr>
<tr>
<td>8' x 8'</td>
<td>8'-0&quot;</td>
</tr>
<tr>
<td>9' x 9'</td>
<td>9'-0&quot;</td>
</tr>
<tr>
<td>10' x 10'</td>
<td>10'-0&quot;</td>
</tr>
</tbody>
</table>

SECTION C-C

DETAILS OF ANNULAR PIPE DIAPHRAGMS

Landowner Location Not To Scale