CROGGED METAL PIPE SUPPORT

This Section Of Pipe Shall Be Shop Fabricated In One Continuous Length Without Coupling Bands.

NOTE:
Standardized Design, Must be adapted to the specific site.

SECTION ON CENTERLINE

<table>
<thead>
<tr>
<th>C.M. PIPE DIA (INCHES)</th>
<th>BOTTOM PLATE (METAL THICKNESS AND GAGE)</th>
<th>VOLUME OF CONC. (CU YDS / LIN FT) OF CMP</th>
<th>7/16&quot; DIA HOLD DOWN ROD LENGTH</th>
<th>3/4&quot; DIA ROD LENGTH</th>
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<tr>
<td>8</td>
<td>.064, 16 GA.</td>
<td>.01</td>
<td>2'-3&quot;</td>
<td>1'-2&quot;</td>
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<td>.064, 16 GA.</td>
<td>.02</td>
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<td>.064, 16 GA.</td>
<td>.03</td>
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<td>15</td>
<td>.079, 14 GA.</td>
<td>.05</td>
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<td>18</td>
<td>.079, 14 GA.</td>
<td>.07</td>
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<td>21</td>
<td>.079, 14 GA.</td>
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<td>24</td>
<td>.109, 12 GA.</td>
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<td>.138, 10 GA.</td>
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<td>5'-4&quot;</td>
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<td>.168, 8 GA.</td>
<td>.36</td>
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<td>4'-0&quot;</td>
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<td>48</td>
<td>.188, 7 GA.</td>
<td>.47</td>
<td>6'-7&quot;</td>
<td>4'-6&quot;</td>
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</table>

BILL OF MATERIAL
Galv Steel CMP ___ dia., ___ lin. ft. Metal Thickness __, Gage __
Galv Steel Bottom Plate ___' x ___' Metal Thickness __, Gage __
3/4" Dia. Galv Steel Rod ___ feet, threaded 4' on each end with
4 washers and 2 nuts.
7/16" Dia. (min) Galv. Steel Rod ___ feet, with 1/2" dia. (min) upset
thread (thread approx. 8')
Galv. Tank Lug - 1 each
Concrete ___ cu. yds.
Steel Reinforcement 6.7 pounds

REFERENCE
Project ________ Designed ________ Date ________
Checked ________ Date ________
Approved ________ Date ________

NRCS
Natural Resources Conservation Service

STANDARD DWG. NO.
IL-586

DATE 4-6-94
CORRUGATED METAL PIPE SUPPORT

**Galv. Tank Lug**

Hold Down Rods To Be Drawn Up Snug, But Not Tight

Hold Down Rod 7/16" Dia (Min) Galv Steel Rod With 1/2" Dia (Min) Upset Thread (Thread Approx 8") 2-Required

3/4" Dia Galv Steel Rod Threaded 4" On Each End, With 4-Washer And 2-Nuts

**SIDE ELEVATION**

Length = 6'-0" Min

Concrete

D = ______

Weld A Bottom Plate To The CMP

**END ELEVATION**

Galvanized Steel CMP

**REINFORCED CONCRETE BASE**

Corner Cut Off For Pipe Sizes 21" Thru 48" Dia

**PLAN - BOTTOM PLATE**

NOTES:

1. If the pier has to be shortened because of bedrock, a 10" reinforced concrete base must be provided, instead of bottom plate, extending 12" beyond the pipe diameter using 4 - #4 re-bars, 33" long, bent as shown.

2. If principal spillway conduit is aluminum, the surfaces in contact with the concrete shall be separated with a layer of heavy roofing felt.