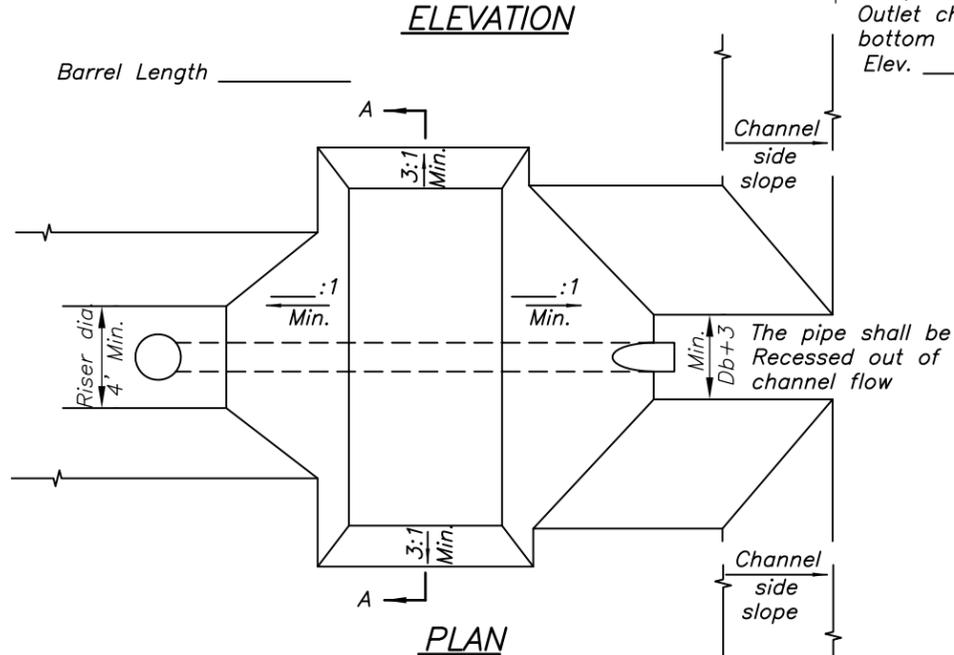
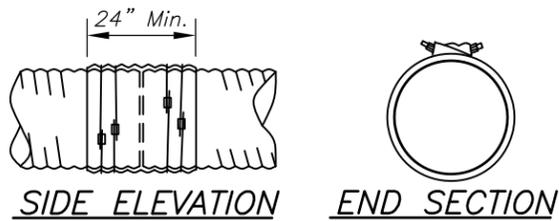


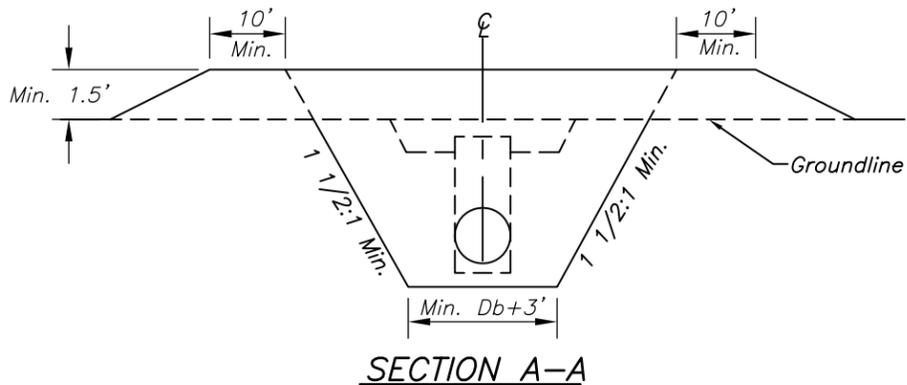
**ELEVATION**



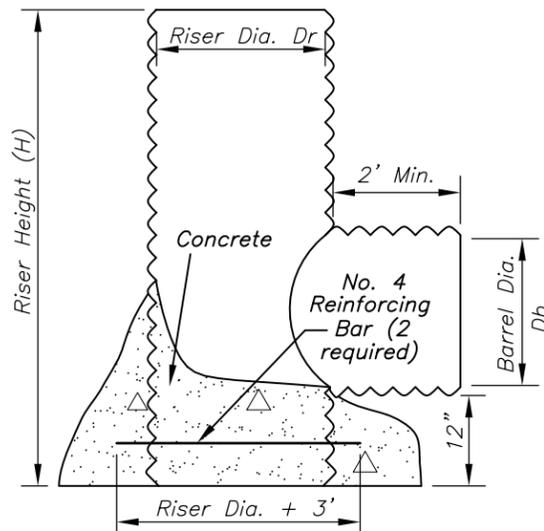
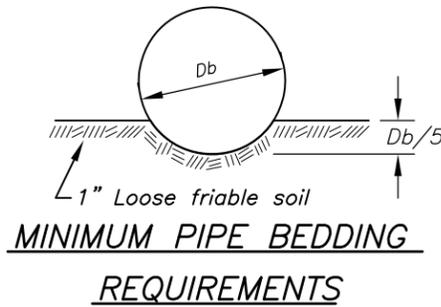
**PLAN**



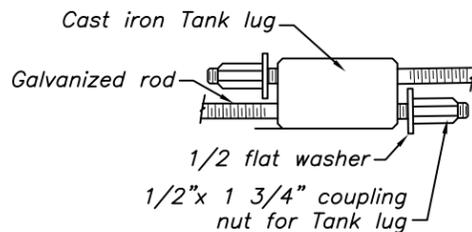
**4 ROD CONNECTING BAND**



**SECTION A-A**

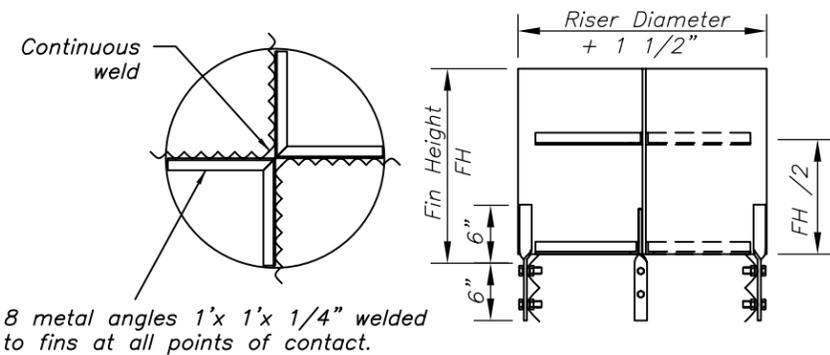


**RISER DETAILS**



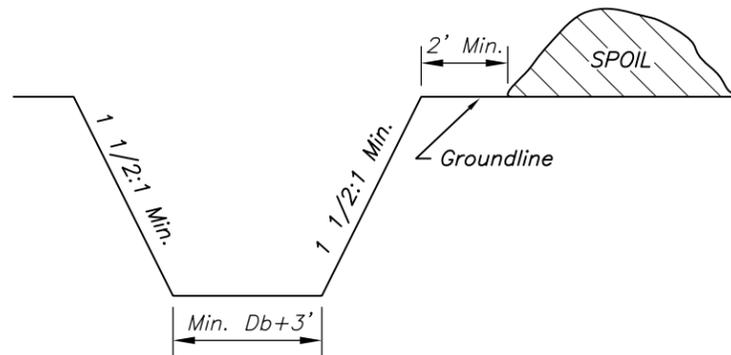
**TANK LUG**

**DETAILS CONNECTING BAND**



**ANTI VORTEX BAFFLE**

( Optional )



**TRENCH EXCAVATION**

**NOTES:**

1. The anti-vortex baffle shall be constructed of corrugated metal sheets of the same material and coating as the riser. Baffles shall be welded in the shape shown. Four metal straps 2"x 3/16"x 12" with 90° twist shall be welded to the baffles. Holes in the straps and riser shall be match punched in the shop for 1/2" bolts. Use (8) flat head bolts 1/2"x 2" with 1/2" lock washers and nuts: all galvanized.
2. Type 1 (helical corrugations) pipe shall have ends reformed to annular corrugations. The reformed annular corrugations shall have the same pitch and depth as the helical corrugations. A minimum of 4 corrugations to be reformed on each end.
3. The connecting band shall be of such dimensions that an equal number of corrugations is on each side of the pipe joint.
4. Connecting bands shall be of the same material and gage as the pipe with the same coating as the pipe. The connecting band is to be sealed with an asphalt cement. The connecting band shall have a minimum circumferential lap of 6" and shall be double wrapped with geotextile fabric 4' wide centered over the connecting band.
5. All metal hardware (tank rods, nuts, bolts, washers, lugs, etc.) shall be galvanized.
6. The pipe outlet shall be 2' or barrel diam. above the outlet channel, whichever is less.
7. For additional details see Missouri Construction Specification 410-B.
8. The upstream slope shall be 2:1 (min.) and the downstream shall be 1 1/2:1 (min.).
9. Anti-seep collars shall conform to Missouri Standard Drawing 29-L-221 or equivalent.

Date

Designed \_\_\_\_\_  
 Drawn \_\_\_\_\_  
 Checked \_\_\_\_\_  
 Approved \_\_\_\_\_

**DROP INLET  
LOW HEAD CMP DROP**

**DRAFT  
NOT FOR  
CONSTRUCTION**



File Name \_\_\_\_\_  
 Drawing Name  
**29-N-415**  
 Sheet \_\_\_\_\_ of \_\_\_\_\_