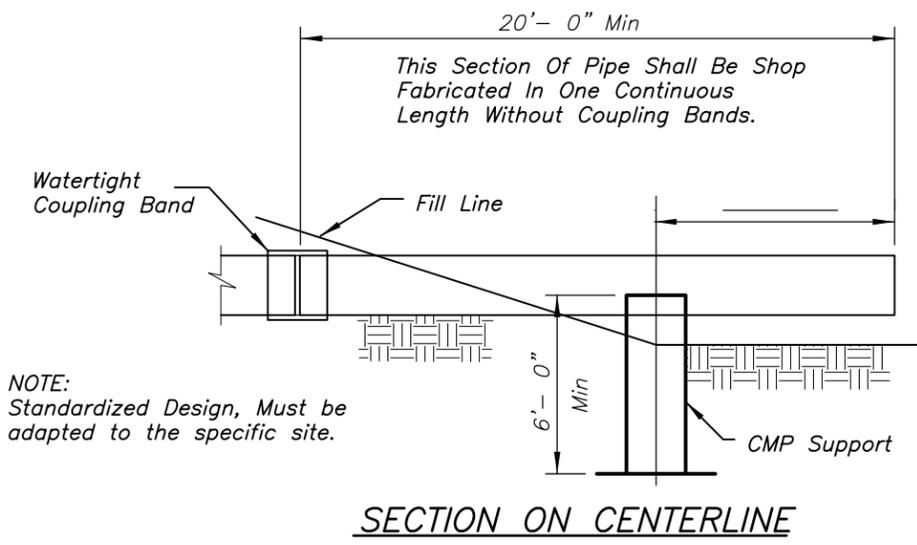
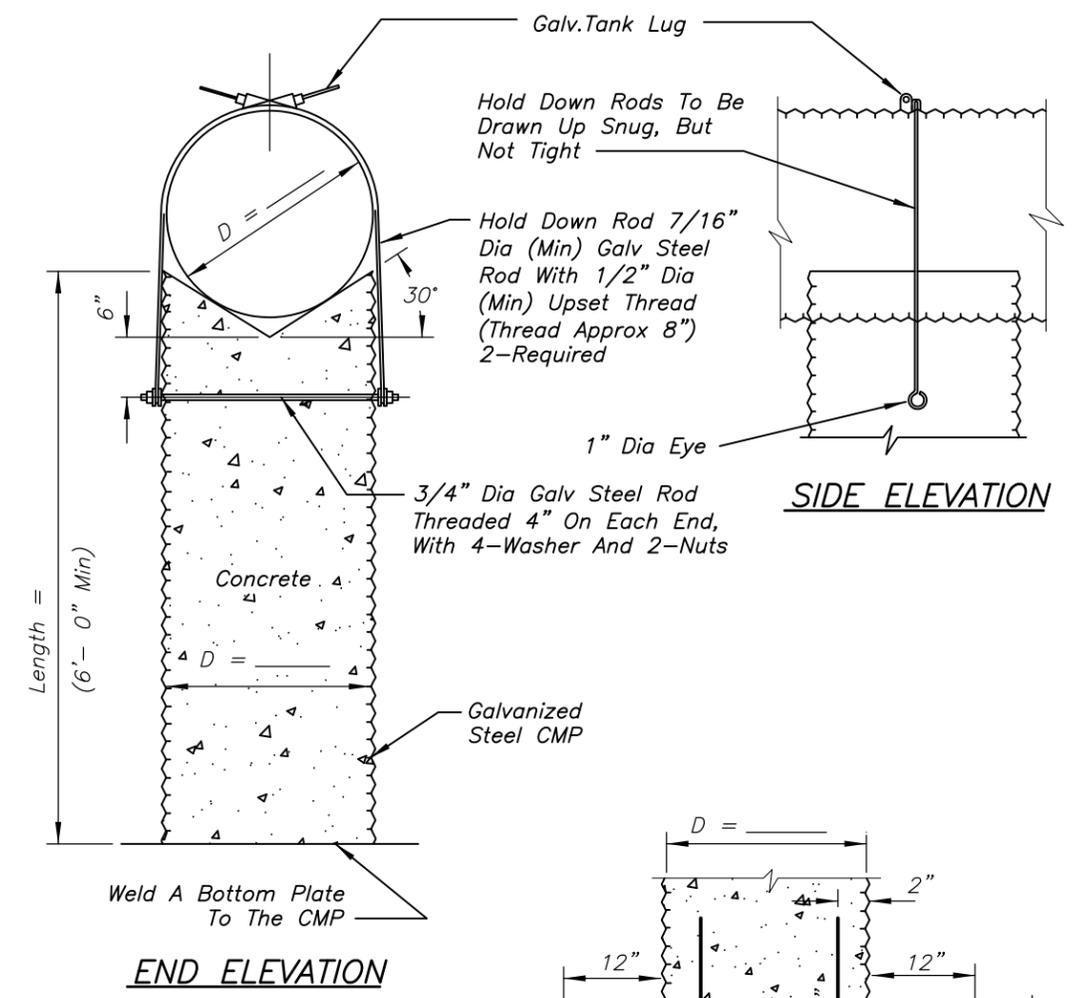


TABLE OF DIMENSIONS				
C.M. PIPE DIA (INCHES)	BOTTOM PLATE (METAL THICKNESS AND GAGE)	VOLUME OF CONC. (CU YDS / LIN FT) OF CMP	7/16" DIA HOLD DOWN ROD LENGTH	3/4" DIA ROD LENGTH
8	.064, 16 GA.	.01	2'-3"	1'-2"
10	.064, 16 GA.	.02	2,-6"	1'-4"
12	.064, 16 GA.	.03	2'-8"	1'-6"
15	.079, 14 GA.	.05	3'-0"	1'-9"
18	.079, 14 GA.	.07	3'-4"	2'-0"
21	.079, 14 GA.	.09	3'-8"	2'-3"
24	.109, 12 GA.	.12	4'-0"	2'-6"
30	.109, 12 GA.	.18	4'-8"	3'-0"
36	.138, 10 GA.	.26	5'-4"	3'-6"
42	.168, 8 GA.	.36	6'-0"	4'-0"
48	.188, 7 GA.	.47	6'-7"	4'-6"

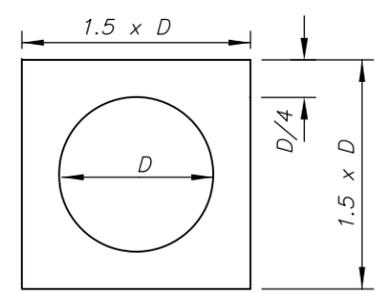


NOTE:
Standardized Design, Must be adapted to the specific site.

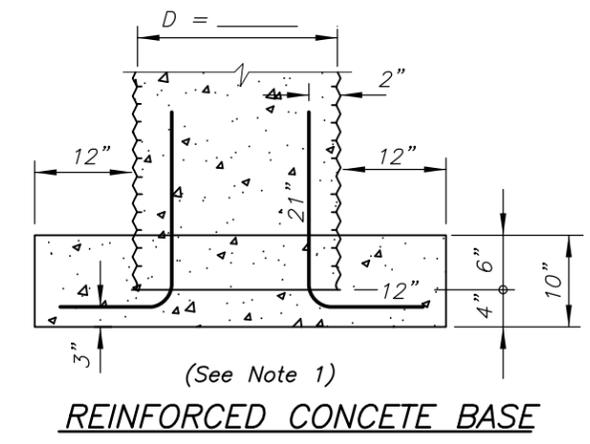
SECTION ON CENTERLINE



END ELEVATION



PLAN - BOTTOM PLATE



REINFORCED CONCRETE BASE

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

- NOTES:
1. If the pier has to be shortend 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 seprated with a layer of heavy roofing felt.
 3. Reinforced Concrete shall conform to Missouri Construction Specification 750.

Adapted from Arkansas
Std. Drawing AR-ENG-213

DRAFT
NOT FOR
CONSTRUCTION

CORRUGATED METAL PIPE SUPPORT

United States Department of Agriculture
Natural Resources Conservation Service
NRCS

Date _____
 Designed _____
 Drawn _____
 Checked _____
 Approved _____

File Name _____
 Drawing Name
29-N-245
 Sheet _____ of _____