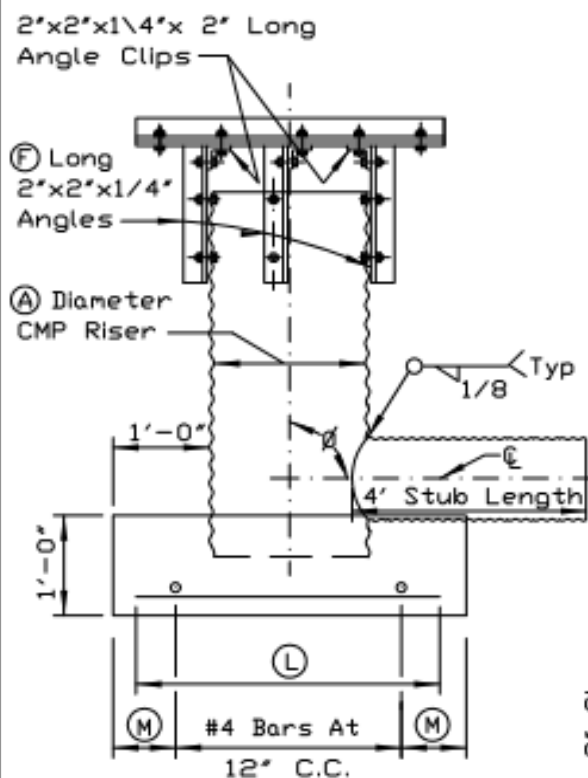
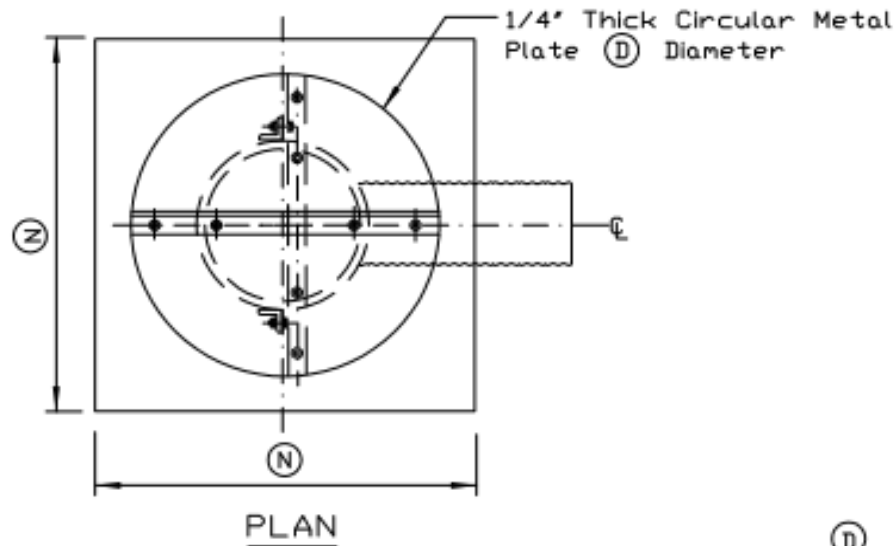
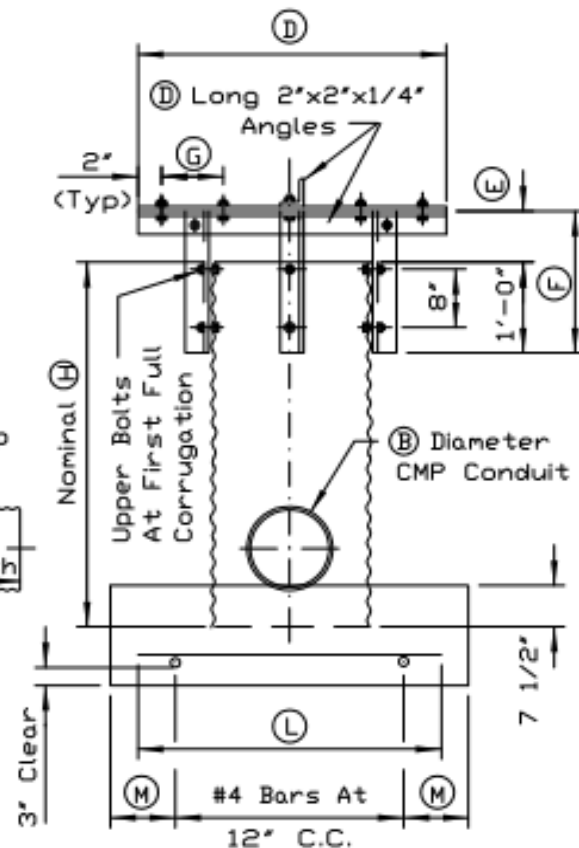


# CMP DROP INLET AND BAFFLE



SIDE ELEVATION



DOWNSTREAM ELEVATION

REFERENCE  
 Project \_\_\_\_\_  
 Designed \_\_\_\_\_ Date \_\_\_\_\_  
 Checked \_\_\_\_\_ Date \_\_\_\_\_  
 Approved \_\_\_\_\_ Date \_\_\_\_\_



Natural Resources Conservation Service

**NRCS**

STANDARD DWG. NO.

IL-578

SHEET 1 OF 3

DATE 9-23-93

# CMP DROP INLET AND BAFFLE

RISER DIA (A)	CONDUIT DIA (B)	ANTI-VORTEX BAFFLE DIMENSIONS				BASE DIMENSIONS	
		(D)	(E)	(F)	(G)	(M)	(N)
12"	6",8"	24"	4"	16"	4 1/2"	6"	3'-0"
15"	8",10"	30"	5"	17"	6"	7 1/2"	3'-3"
18"	10",12"	36"	6"	18"	7 1/2"	3"	3'-6"
24"	15",18"	48"	8"	20"	10 1/2"	6"	4'-0"
30"	21",24"	60"	10"	22"	13 1/2"	3"	4'-6"
36"	24",30"	72"	12"	24"	16 1/2"	6"	5'-0"

RISER DIA (A)	REINFORCING BARS			VOLUME OF CONCRETE
	NUMBERS	(L)	TOTAL WEIGHT	
12"	6"	2'-6"	10.0 LB.	0.3 CU.YD.
15"	6"	2'-9"	11.0 LB.	0.4 CU.YD.
18"	8"	3'-0"	16.0 LB.	0.5 CU.YD.
24"	8"	3'-6"	18.7 LB.	0.6 CU.YD.
30"	10"	4'-0"	26.7 LB.	0.8 CU.YD.
36"	10"	4'-6"	30.0 LB.	0.9 CU.YD.

## NOTES:

- There are no riser height restrictions as long as the riser is located in compacted earth fill.
- The corrugated metal riser with 4 feet conduit stub shall be fabricated from galvanized steel or aluminum. If fabricated from steel, any zinc coating damaged by welding shall be repaired as follows:
  - All loose and cracked coating shall be removed by wire brushing and all dirt and greasy material by a suitable solvent.
  - The damaged area shall be painted with two coats of Zinc Dust-Zinc Oxide primer, followed by a heavy coat of Fibrated Asphalt Mastic.
- The angles and anti-vortex baffle plate shall be fabricated from the same material as the riser to which they will be attached. If fabricated from steel, the angles and anti-vortex baffle plate shall be galvanized after cutting and drilling.
- The anti-vortex baffle plate can be left square, if all corners are rounded with a 6 inch radius.
- All bolts, nuts and washers shall be galvanized steel.
- Corrugated aluminum risers and conduits shall be separated from the reinforced concrete base by at least 2 layers of plastic tape with a total thickness of at least 24 mils or by a heavy coat of Alkali-Resistant Bituminous paint.

REFERENCE  
 Project \_\_\_\_\_  
 Designed \_\_\_\_\_ Date \_\_\_\_\_  
 Checked \_\_\_\_\_ Date \_\_\_\_\_  
 Approved \_\_\_\_\_ Date \_\_\_\_\_

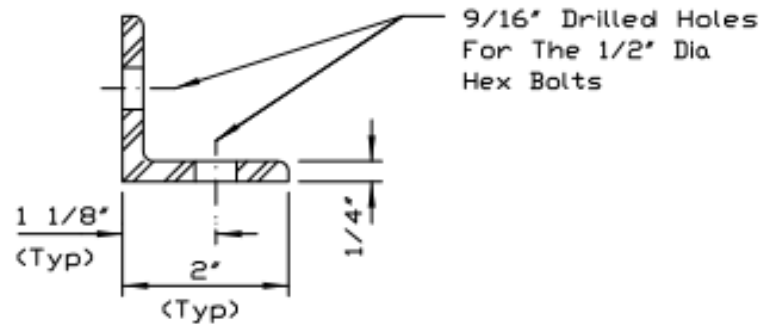


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 SHEET 2 OF 3  
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# CMP DROP INLET AND BAFFLE



ANGLE DETAIL

TABLE SHOWING DIMENSIONS AND MATERIAL

DIMENSIONS	
Nominal Length (H) In Feet	
Gage Of Riser In Inches	
Gage Of Conduit In Inches	
Angle In Degrees	
MATERIAL	
(D) Long 2"x 2"x 1/4" Angles	2
(F) Long 2"x 2"x 1/4" Angles	4
2" Long 2"x 2"x 1/4" Angle Clips	2
(D) Dia. 1/4" Thick Metal Plate	1
1/2"x1 1/2" Hex Bolts	20
1/2" Split Lockwashers	20
1/2" Hex Nuts	20
Number Of (L) Long #4 Reinforcing Bars	
Weight Of #4 Reinforcing Bars In Pounds	
Volume of Concrete In Cubic Yards	

REFERENCE

Project \_\_\_\_\_  
 Designed \_\_\_\_\_ Date \_\_\_\_\_  
 Checked \_\_\_\_\_ Date \_\_\_\_\_  
 Approved \_\_\_\_\_ Date \_\_\_\_\_



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