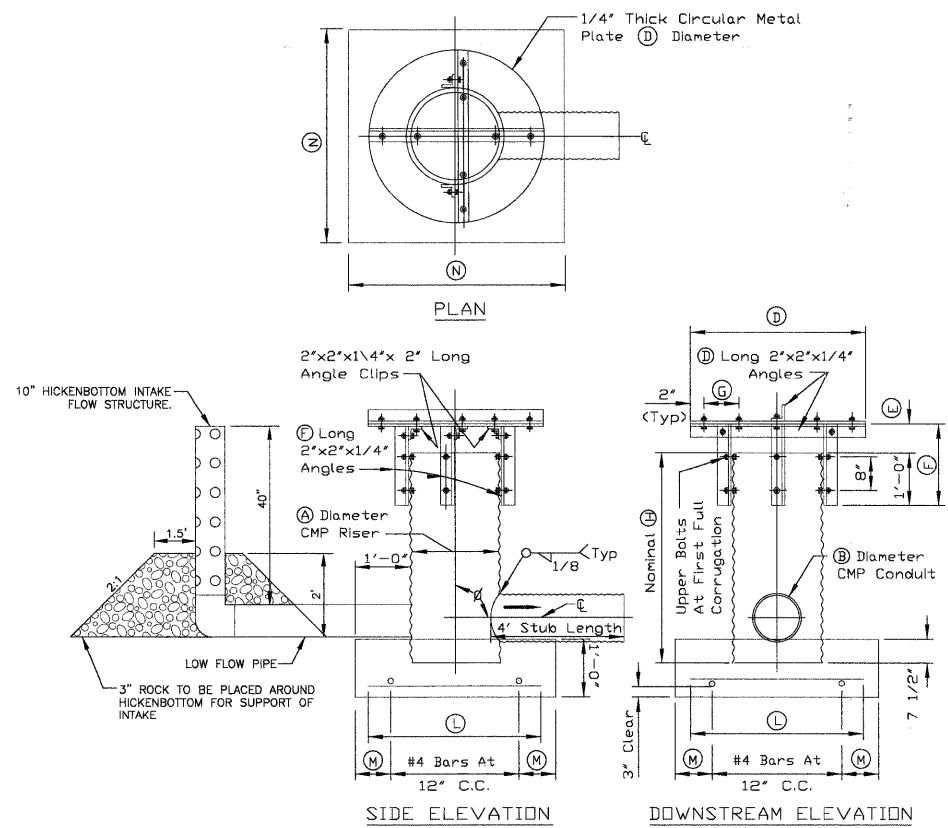


CMP DROP INLET AND BAFFLE



REFERENCE Project	STEARNS ROAD STAGE 2	STANDARD DWG. NO.	IL-578
Designed	JWW Date 2/2/09	SHEET	DF 3
Checked	Date	DATE	9-23-99
Approved	Date		

CMP DROP INLET AND BAFFLE

RISER DIA (A)	CONDUIT DIA (B)	ANTI-VORTEX BAFFLE DIMENSIONS				BASE DIMENSIONS	
(A)	(B)	(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"	18"	24"	16 1/2"	6"	5'-0"

RISER DIA (A)	REINFORCING BARS		TOTAL WEIGHT	VOLUME OF CONCRETE
	NUMBERS	L		
12"	6"	2'-6"	10.0 L.B.	0.3 CU.YD.
15"	6"	2'-9"	11.0 L.B.	0.4 CU.YD.
18"	8"	3'-0"	16.0 L.B.	0.5 CU.YD.
24"	8"	3'-6"	18.7 L.B.	0.6 CU.YD.
30"	10"	4'-0"	26.7 L.B.	0.8 CU.YD.
36"	10"	4'-6"	30.0 L.B.	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:
A) All loose and cracked coating shall be removed by wire brushing and all dirt and greasy material by a suitable solvent.
B) The damaged area shall be painted with two coats of Zinc Dust-Zinc Oxide primer, followed by a heavy coat of Florigard 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	STEARNS ROAD STAGE 2	STANDARD DWG. NO.	IL-578
Designed	JWW Date 2/2/09	SHEET	DF 3
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CMP DROP INLET AND BAFFLE

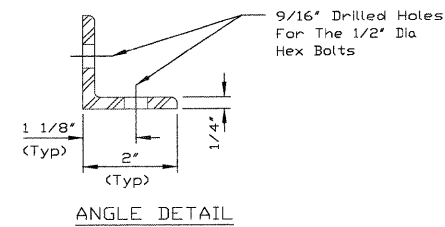
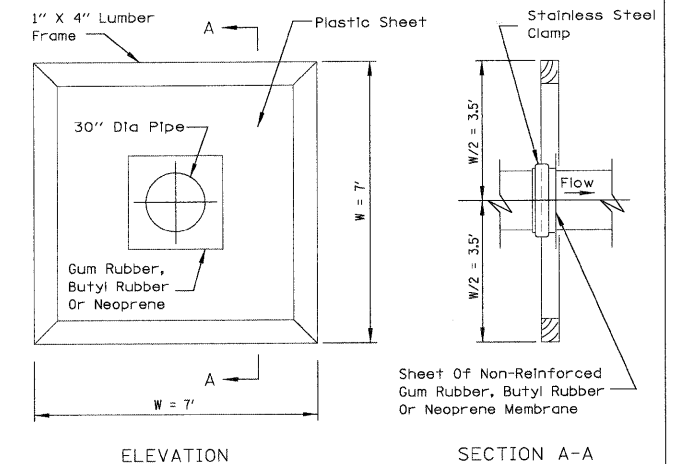


TABLE SHOWING DIMENSIONS AND MATERIAL	
DIMENSIONS	
Nominal Length (H) In Feet	4.0
Gage Of Riser In Inches	
Gage Of Conduit In Inches	
Angle In Degrees	90
MATERIAL	
(D) Long 2"x 2"x 1/4" Angles	2
(E) Long 2"x 2"x 1/4" Angles	4
2" Long 2"x 2"x 1/4" Angle Clips	2
(D) Dia. 1/4" Thick Metal Plate	1
1/2"x1 1/2" Hex Bolts	20
1/2" Split Lockwashers	20
1/2" Hex Nuts	20
Number Of (L) Long #4 Reinforcing Bars	8
Weight Of #4 Reinforcing Bars In Pounds	30
Volume of Concrete In Cubic Yards	0.9

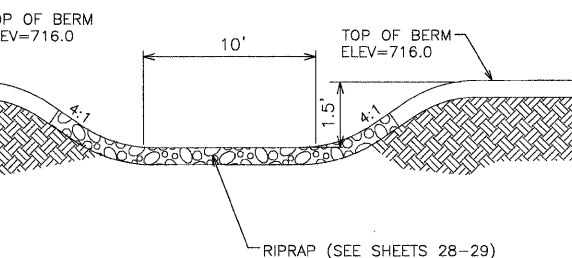
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Designed	JWW Date 2/2/09	SHEET	DF 3
Checked	Date	DATE	3-1-95
Approved	Date		

FLEXIBLE ANTISEEP COLLAR

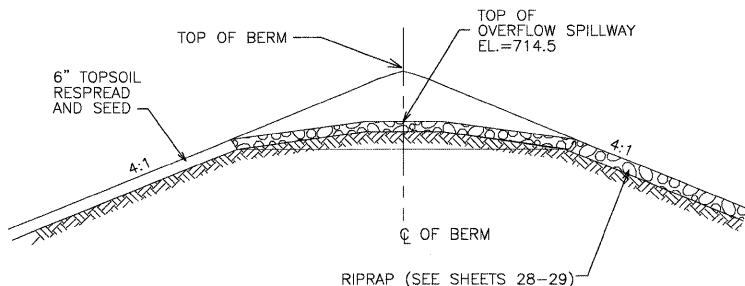


- NOTES:
- Helical pipe shall have a mastic sealer applied at the collar location. The sealer will not be required for PVC or annular pipe.
 - The center membrane section may be 1/16 inch gum rubber, butyl rubber or neoprene. The entire antiseep may be made of these materials.
 - The outer portion of the antiseep collar, away from the pipe, may be made of a minimum 20 mil plastic sheet.
 - Cut a hole, 3 inches smaller than the diameter of the pipe, centered on the material used at the pipe and force it over the end of the pipe.
 - The antiseep material shall be fastened to the pipe using a stainless steel clamp.
 - Completed installation must be watertight.
 - Care must be taken to back fill equally on both sides of the antiseep collar.

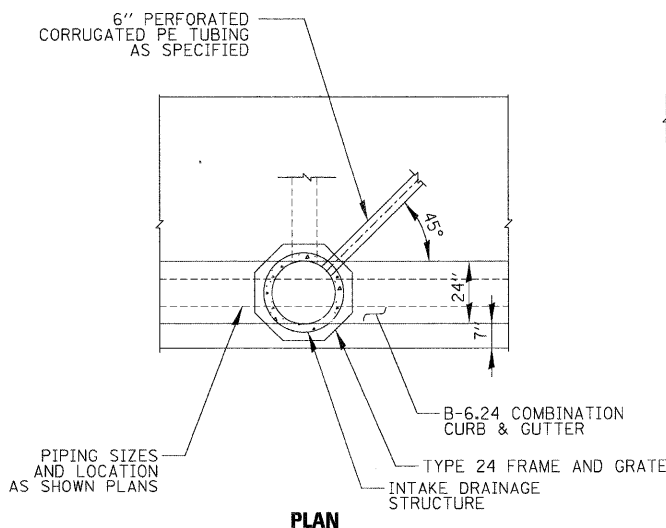
REFERENCE Project	STEARNS ROAD STAGE 2	STANDARD DWG. NO.	IL-593
Designed	JWW Date 6/27/08	SHEET	1 OF 1
Checked	Date	DATE	7-12-95
Approved	Date		



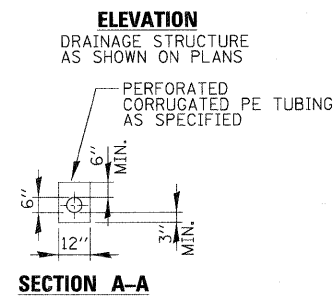
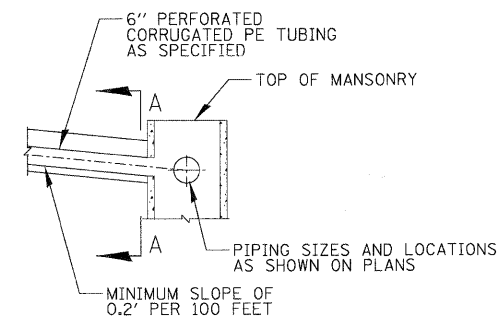
SIDEVIEW
OVERFLOW SPILLWAY DETENTION POND 1A



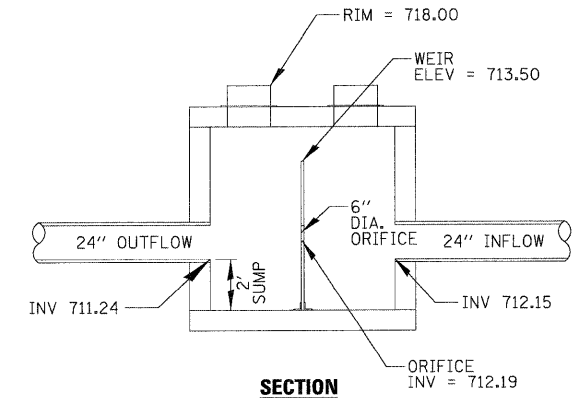
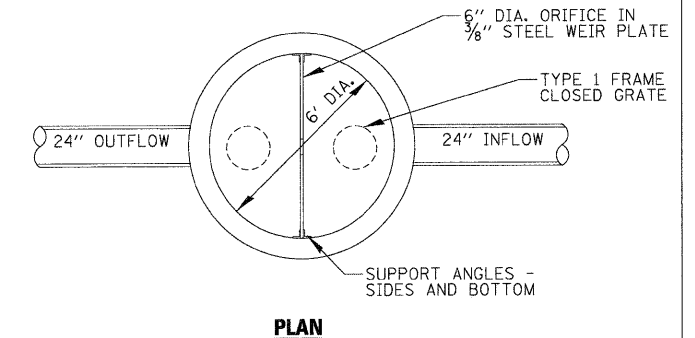
CROSS SECTION
OVERFLOW SPILLWAY DETENTION POND 1A



UNDERDRAIN DETAILS
NTS



SECTION A-A



PROPOSED OUTLET CONTROL STRUCTURE FOR POND 1A
PAID FOR AS MANHOLE, TYPE A, SPECIAL, 6' DIAMETER
TYPE 1 FRAME, CLOSED LID