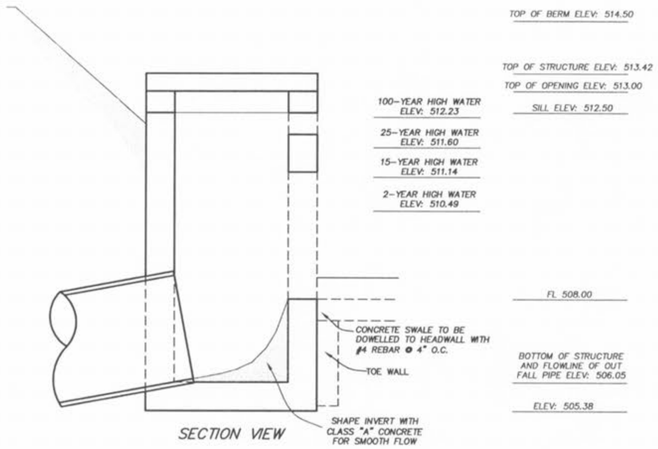
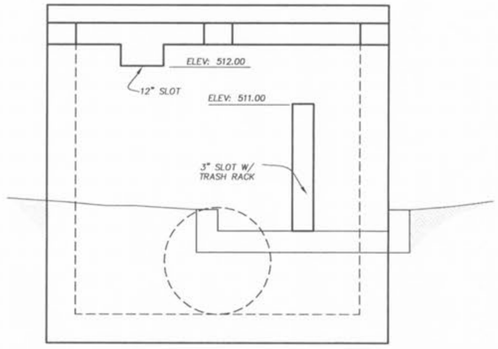
CONTRACTOR TO INSTALL OUTFALL REACH AND STRUCTURE AND LINE WITH FABRIC TO UTILIZE AS A SEDIMENT TRAP DURING FILL PLACEMENT.

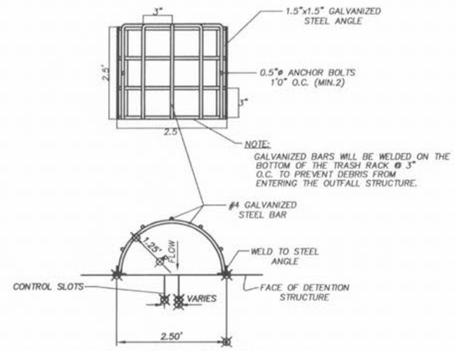




DOUBLE AREA INLET
OPEN 4 SIDES

NOTES:
1. USE DIMENSIONS FOR DOUBLE AREA INLET.
2. REINFORCE WITH #4 BARS @ 12" O.C. BOTH WAYS ALL SIDES AND BOTTOM.

OUTFALL STRUCTURE 2
NOT TO SCALE

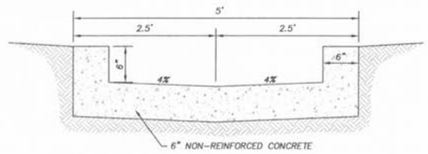


TRASH RACK DESIGN
NOT TO SCALE

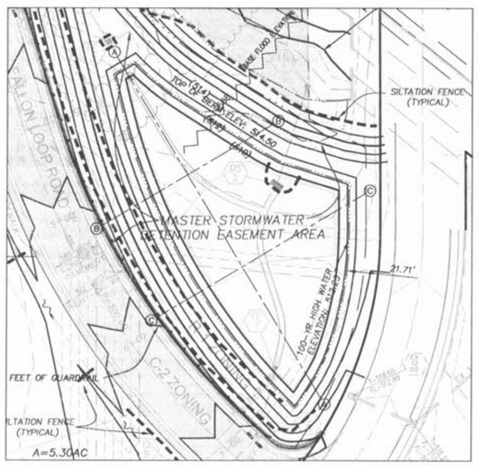
STORM SEWER HYDRAULICS

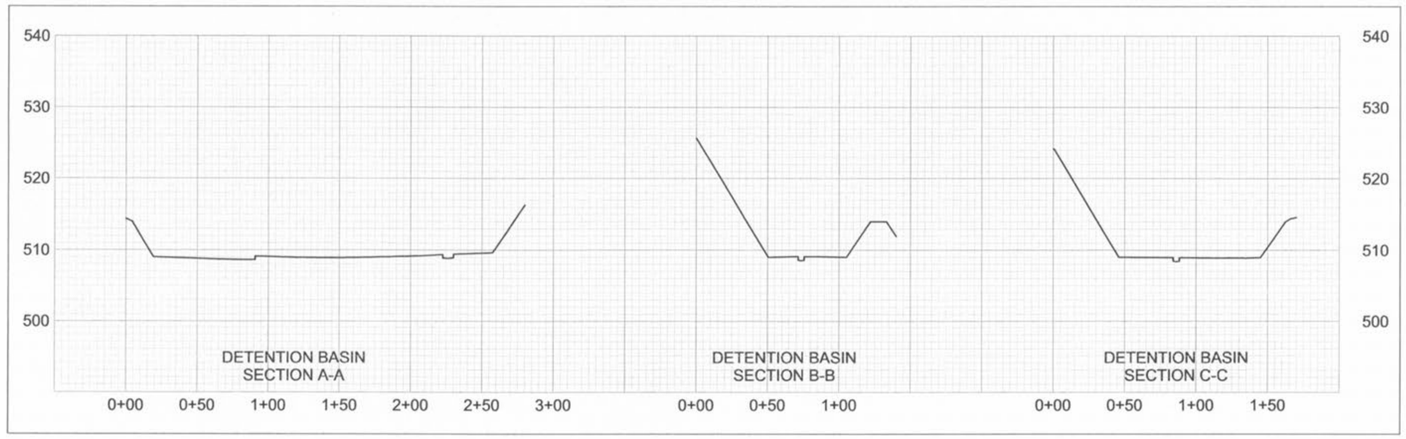
Upper Str. Type	Structr. Number Upr	Structr. Number Lwr	Len. in Ft.	Q in c.f.s.	Total Q c.f.s.	Pipe Size in.	Const. Grade	V in f.p.s.	Vh in Ft.	Q x Vh	Hyd. Grade	Flow Line Elevation Upper	Flow Line Elevation Lower	Top of Structure Elevation Upper	Top of Structure Elevation Lower	Free Board	Hydraulic Grade Line Upper	Hydraulic Grade Line Lower	Frict. Loss	Curve Loss ft.	Junc. Loss ft.	Entr. Loss ft.	Turn Angle (5 ø)	Turn Loss ft.	Capacity c.f.s.	Q/Cap.	Normal Depth ft.
T	10.1	10	82.3	6.77	6.77	18	2.49%	3.83	0.23	1.54	0.42%	516.12	514.07	522.57	522.00	5.79	516.78	515.57	0.34			0.23	60	0.13	16.58	0.41	0.66
T	11	10	43.04	1.04	1.04	12	10.29%	1.32	0.03	0.03	0.09%	518.50	514.07	523.50	522.00	4.80	518.70	516.24	0.04		0.34	0.03	15	0.13	11.43	0.09	0.20
AI	10	9	17.88	7.35	15.16	24	1.00%	4.83	0.36	5.48	0.45%	513.87	513.69	522.00	521.72	5.76	515.77	515.69	0.08		0.12		25	0.11	22.62	0.67	1.18
CI	9	8	44	1.27	16.43	24	1.00%	5.23	0.42	6.98	0.53%	513.49	513.05	521.72	521.72	6.03	515.28	515.05	0.23		0.08		30	0.15	22.62	0.73	1.26
CI	8	7	50.17	0.79	17.22	24	7.67%	5.48	0.47	8.03	0.58%	512.85	509.00	521.72		6.67	513.55	511.14	0.29						62.67	0.27	0.70
T	6	5	44	5.51	5.51	15	3.00%	4.49	0.31	1.72	0.73%	524.39	523.07	529.01	529.01	4.01	525.00	524.32	0.32			0.31	45	0.15	11.19	0.49	0.61
CI	5	4	68	0.69	6.20	15	18.47%	5.05	0.40	2.46	0.92%	522.07	509.51	529.01	515.00	4.69	522.47	511.42	0.63				35	0.16	27.76	0.22	0.40
AI	4	3	31.46	0.31	6.51	18	1.00%	3.68	0.21	1.37	0.38%	509.31	509.00	515.00		3.58	511.26	511.14	0.12						10.50	0.62	0.86
T	2	1	73.65	26.85	26.85	30	5.50%	5.47	0.46	12.47	0.43%	506.05	502.00	513.27		6.32	506.95	504.50	0.32			0.46			96.18	0.28	0.90

NOTE: AI=Area Inlet, M=Manhole, T=Terminal Structure, CI=Curb Inlet, DCI= Double Curb Inlet, SCI=Skewed Curb Inlet, TP=Tangent Point, EP= End of Pipe, OS=Outfall Structure
n=0.013 For RCP, 0.024 For CMP. For Drainage Areas, P.I. & Bypass, See Drainage Area Map.



CONCRETE SWALE (Type 1)
NOT TO SCALE





DETENTION TO BE PROVIDED DURING THE INITIAL PHASE OF DEVELOPMENT.