

TABLE 3.5-1

CULVERT DESIGN SUMMARY

Area	Culvert Name	Contributing Watershed (acre)	Storm	Peak Flow (cfs)	No. Culverts	Culvert Dimensions (feet)	HW/D
Pond 1	CC#1	178.324	100-6	155.53	1 or 2	(1) 5-ft round or (2) 44" x 72" Arched Culverts	1.28
Pond 1	CC#1	178.324	10-24	61.15	1	5	0.75
Pond 1	CC#2	98.156	100-6	188.92	1	5-ft round or 36" x 58" arched	1.56
Pond 1	CC#2	98.156	10-24	80.19	1	5	0.8
Pond 1	CC#3	33.159	100-6	67.13	1	3	2.5
Pond 1	CC#3	33.159	10-24	24.42	1	3	1
Pond 2	CC#4	67.43	100-6	120.65	1	4	2.4
Pond 2	CC#4	67.43	10-24	42.96	1	3.75	0.93333
Pond 2	CC#5	472.16	100-6	465.35	1	(1) 8-ft round or (1) 87"x137" or (2) 69" x 98" Arched Culverts	1.21125
Pond 2	CC#5	472.16	10-24	181.9	1	6	1
Pond 3 Inlet	CC#6	150.67	100-6	197.36	1	5	2.0
Pond 3 Inlet	CC#6	150.67	10-24	83.75	1	5	0.9
Site Access Road	CC#7	202.22	100-6	194-Undist; 264 Dist	1	14-ft x 4-ft Con/Span Arch	0.7 for 194 cfs; 0.84 for 264 cfs
E Explosives Storage Cvt	CC#8	40.596	10-24	56.33	1	4	0.9
W Explosive Storage Cvt	CC#9	113.44	10-24	148.49	1	5.5	1.0
SAE SOVB-10	CC#10	36.14	10-24	52	1	3.75	1.0
West Branch	CVT 55+75		100-6	706.41	1 or 2	(2) 7' or (1) 7.25' x 11.5' Arched or (1) 12' Round CMP	1.15
West Branch Diversion	CVT 70+51		100-6	707	1	1(12')	1.2