

Pond Report

Hydraflow Hydrographs by Intelisolve

Monday, May 7 2007, 11:43 AM

Pond No. 1 - DRY DETENTION

Pond Data

Bottom LxW = 1240.0 x 0.0 ft Side slope = 50.0:1 Bottom elev. = 1338.45 ft Depth = 1.55 ft

Stage / Storage Table

Stage (ft)	Elevation (ft)	Contour area (sqft)	Incr. Storage (acft)	Total storage (acft)
0.00	1338.45	0.01	0.000	0.000
0.08	1338.53	9.671	0.009	0.009
0.16	1338.61	19.462	0.026	0.034
0.23	1338.68	29.372	0.043	0.078
0.31	1338.76	39.402	0.061	0.139
0.39	1338.84	49.553	0.079	0.218
0.47	1338.92	59.824	0.097	0.315
0.54	1338.99	70.214	0.116	0.431
0.62	1339.07	80.725	0.134	0.565
0.70	1339.15	91.356	0.153	0.718
0.77	1339.23	102.108	0.172	0.891
0.85	1339.30	112.979	0.191	1.082
0.93	1339.38	123.970	0.211	1.293
1.01	1339.46	135.082	0.230	1.523
1.09	1339.54	146.314	0.250	1.773
1.16	1339.61	157.665	0.270	2.044
1.24	1339.69	169.137	0.291	2.334
1.32	1339.77	180.729	0.311	2.646
1.40	1339.85	192.442	0.332	2.978
1.47	1339.92	204.274	0.353	3.330
1.55	1340.00	216.226	0.374	3.705

Culvert / Orifice Structures

	[A]	[B]	[C]	[D]
Rise (in)	= 0.00	0.00	0.00	0.00
Span (in)	= 0.00	0.00	0.00	0.00
No. Barrels	= 0	0	0	0
Invert El. (ft)	= 0.00	0.00	0.00	0.00
Length (ft)	= 0.00	0.00	0.00	0.00
Slope (%)	= 0.00	0.00	0.00	0.00
N-Value	= .000	.000	.000	.000
Orif. Coeff.	= 0.00	0.00	0.00	0.00
Multi-Stage	= n/a	No	No	No

Weir Structures

	[A]	[B]	[C]	[D]
Crest Len (ft)	= 1.00	12.00	0.00	0.00
Crest El. (ft)	= 1338.45	1339.00	0.00	0.00
Weir Coeff.	= 3.33	3.33	0.00	0.00
Weir Type	= Rect	Cipiti	---	---
Multi-Stage	= No	No	No	No

Exfiltration = 0.000 in/hr (Wet area) Tailwater Elev. = 0.00 ft

Note: Culvert/Orifice outflows have been analyzed under inlet and outlet control.

