

NPT Transition Station #1

Subsection: Elevation-Area Volume Curve

Return Event: 2 years

Label: Detention Pond

Storm Event: 2 Year Storm

Elevation (ft)	Planimeter (ft ²)	Area (ft ²)	A1+A2+sqr (A1*A2) (ft ²)	Volume (ac-ft)	Volume (Total) (ac-ft)
1,155.61	0.0	1,604	0	0.000	0.000
1,156.00	0.0	1,778	5,071	0.015	0.015
1,157.00	0.0	2,280	6,071	0.046	0.062
1,157.19	0.0	2,711	7,477	0.011	0.072
1,158.00	0.0	3,350	9,075	0.056	0.129
1,158.61	0.0	4,006	11,019	0.051	0.180
1,159.00	0.0	4,396	12,598	0.038	0.218
1,160.00	0.0	6,363	16,048	0.123	0.341
1,161.00	0.0	7,424	20,660	0.158	0.499
1,161.60	0.0	8,052	23,208	0.107	0.605
1,162.00	0.0	8,531	24,871	0.076	0.681
1,162.60	0.0	9,205	26,598	0.122	0.803



Stage/Storage Table

ELEV (FT.)	AREA (S.F.)	AVERAGE AREA (S.F.)	DIFFERENCE IN ELEVATION (FT.)	STORAGE VOLUME		
				INCREMENTAL	TOTAL (CF)	Total Ac-Ft
1155.61	1604			0	0	0
1156	1778	1691	0.39	659	659	0.02
1157	2280	2029	1	2029	2688	0.06
1157.19	2711	2495.5	0.19	474	3163	0.07
1158	3350	2815	1	2815	5503	0.13
1158.61	4006	3143	1.61	5060	7749	0.18
1159	4396	4201	0.39	1638	9387	0.22
1160	6363	5379.5	1	5380	14767	0.34
1161	7424	6893.5	1	6894	21660	0.50
1161.6	8052	7738	0.6	4643	26303	0.60
1162	8531	8291.5	0.4	3317	29620	0.68
1162.6	9205	8628.5	1	8629	34931	0.80

Stage Storage Curve

