

Marble-Arno Storm Pump Station and Pond - Elevation Storage Pump Discharge												
Marble Arno LOMR												
Contour Elevation NAVD 1988	Depth	Contour Area	Incremental Volume	Incremental Volume	Cumulative Volume	Pump # 1 Curve	Pump # 2 Curve	Pump # 3 Curve	Pump # 4 Curve	Pump # 5 Curve	Total Pump Curve	Comment
		Principal Spillway Orifice Diameter (inches)										
		Number of Orifices										
(ft)		(sq ft)	(cu ft)	(ac-ft)	(ac-ft)	cfs	cfs	cfs	cfs	cfs	cfs	
(a)		(a)				(b)	(b)	(b)	(b)	(b)	(b)	
4927.00	0	563	0	0.0000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Invert of Wet well
4928.00	1.0	563	563	0.0129	0.01	1.53	0.00	0.00	0.00	0.00	1.53	Pump # 1 On
4929.00	2.0	563	563	0.0129	0.03	1.53	0.00	0.00	0.00	0.00	1.53	
4930.00	3.0	563	563	0.0129	0.04	1.53	0.00	0.00	0.00	0.00	1.53	
4931.00	4.0	563	563	0.0129	0.05	1.53	0.00	0.00	0.00	0.00	1.53	
4932.00	5.0	563	563	0.0129	0.06	1.53	0.00	0.00	0.00	0.00	1.53	
4933.00	6.0	563	563	0.0129	0.08	1.53	0.00	0.00	0.00	0.00	1.53	Invert of Pond
4934.00	7.0	15950	8256	0.1895	0.27	1.53	0.00	0.00	0.00	0.00	1.53	
4935.00	8.0	21346	18648	0.4281	0.70	0.00	26.75	0.00	0.00	0.00	26.75	Pump # 2 On
4936.00	9.0	22720	22033	0.5058	1.20	0.00	26.75	26.75	0.00	0.00	53.50	Pump # 3 On
4936.75	9.8	23746	17425	0.4000	1.60	0.00	26.75	26.75	26.75	0.00	80.25	Pump # 4 On
4937.00	10.0	24089	5979	0.1373	1.74	0.00	26.75	26.75	26.75	0.00	80.25	
4937.50	10.5	24767	12214	0.2804	2.02	0.00	26.75	26.75	26.75	26.75	107.00	Pump # 5 On
4938.00	11.0	25446	12553	0.2882	2.31	0.00	26.75	26.75	26.75	26.75	107.00	
4939.00	12.0	26804	26125	0.5997	2.91	0.00	26.75	26.75	26.75	26.75	107.00	
4940.00	13.0	28158	27481	0.6309	3.54	0.00	26.75	26.75	26.75	26.75	107.00	
4941.00	14.0	29506	28832	0.6619	4.20	0.00	26.75	26.75	26.75	26.75	107.00	
4942.00	15.0	30846	30176	0.6927	4.89	0.00	26.75	26.75	26.75	26.75	107.00	
4943.00	16.0	32230	31538	0.7240	5.62	0.00	26.75	26.75	26.75	26.75	107.00	
4944.00	17.0	33632	32931	0.7560	6.37	0.00	26.75	26.75	26.75	26.75	107.00	
4945.00	18.0	35054	34343	0.7884	7.16	0.00	26.75	26.75	26.75	26.75	107.00	
4946.00	19.0	36491	35772	0.8212	7.98	0.00	26.75	26.75	26.75	26.75	107.00	
4947.00	20.0	37945	37218	0.8544	8.84	0.00	26.75	26.75	26.75	26.75	107.00	
4948.00	21.0	39381	38663	0.8876	9.72	0.00	26.75	26.75	26.75	26.75	107.00	
4949.00	22.0	40872	40126	0.9212	10.64	0.00	26.75	26.75	26.75	26.75	107.00	
4950.00	23.0	42379	41626	0.9556	11.60	0.00	26.75	26.75	26.75	26.75	107.00	
4951.00	24.0	43900	43140	0.9903	12.59	0.00	26.75	26.75	26.75	26.75	107.00	
4952.00	25.0	45434	44667	1.0254	13.62	0.00	26.75	26.75	26.75	26.75	107.00	
4953.00	26.0	46982	46208	1.0608	14.68	0.00	26.75	26.75	26.75	26.75	107.00	
4954.00	27.0	48544	47763	1.0965	15.77	0.00	26.75	26.75	26.75	26.75	107.00	
4955.00	28.0	50231	49387	1.1338	16.91	0.00	26.75	26.75	26.75	26.75	107.00	
4956.00	29.0	51983	51107	1.1733	18.08	0.00	26.75	26.75	26.75	26.75	107.00	
4957.00	30.0	53485	52734	1.2106	19.29	0.00	26.75	26.75	26.75	26.75	107.00	Top of Pond
(a) Data Source : Smith Engineering Company Construction Plans As-Builts Dated November, 2022 (Signed 2/24/2023) and As-Builts survey sheet from AUI Inc. dated June 6, 2022. Pond contours generated from survey points to obtain pond volume.												