

HYDRAULIC DATA

PROJECT: Conversion Heights

SHEET 1 OF 1

LINE		Length	Size	Upper Flow Line	Lower Flow Line	F.L. Grade	Upper St. Elev.	Lower St. Elev.	Depth To Hy. Gr. Upper End	Upper Hy. Elev.	Lower Hy. Elev.	Hy. Grade	Frict. Head	Veloc. Ft./Sec.	V ² /2g	V ² /2g	Turn Loss	Street Grade @ Inlet	Inlet Capacity Cal. Ft./Sec.	Area Acres	P. I.	Quantity Cu. Ft./Sec.	85-131	
Upper Station	Lower Station																						T. Q.	App. Cap. cu. Ft./Sec.
				542.00	540.23	15	542.00	540.23	1.39	544.38	542.73	0.4	1.62	34	42	-	22.80		8.2	3.04	4.2	4.2	4.2	
				540.93	539.50	10	540.93	539.50	3.15	542.55	541.40	0.09	0.41	4.6	18	-	18		1.4	4.0	1.21	2.04	2.04	2.4
AI	AI	15	18	539.30	537.13	12	540.0	540.0	4.93	541.92	539.93	0.11	1.14	5.6	49	16	0	1.3	1.4	4.0	3.04	1.21	1.8	1.8
AI	AI	4	18	536.93	536.03	20	540.0	541.24	2.07	538.62	538.172	0.04	0.50	8.1	101	58	2	1.3	1.4	4.0	3.04	0.4	14.70	14.8
	FE	15	18	535.83	534.88	28	540.0	541.04	3.52	537.30	536.52	0.02	0.86	9.8	149	46	1	1.3	1.4	4.0	3.04	0.4	11.20	11.2
		15	15	534.68	524.04	76	541.24	---	4.86	530.52	524.04	0.06	1.08	11.2	198	49	1	1.3	1.4	4.0	3.04	0.4	14.70	23.1
				543.30	542.90	1.0	543.42	543.52	2.93	544.24	544.31	0.01	2.03	1.6	0.4	-	0.1	4.4	2.0	1.9	0.67	3.04	1.4	3.1
				546.70	546.90	11.0	548.0	548.0	3.27	538.27	538.18	0.09	0.21	2.1	1.6	1.1	0.7	1.1	1.1	0.9	3.04	1.1	2.2	2.16
				536.13	538.41	11.0	541.0	522.81	3.16	541.04	530.23	0.02	0.82	2.6	1.5	0.2	0.7	1.0	1.0	2.0	3.04	2.0	9.3	21.4
		35		517.47	517.93	1.0	517.84	---	0.67	514.74	519.18	1.0	0.56	4.6	68	18	1	1.0	1.0	1.0	3.04	0.4	5.71	8.18

Date

Checked By

Date

Computed By