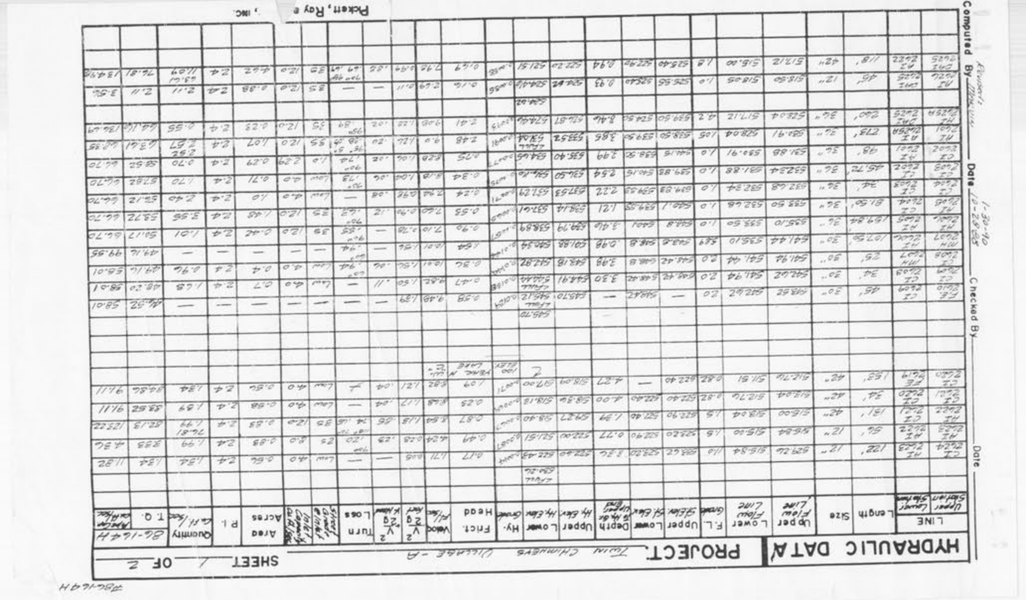
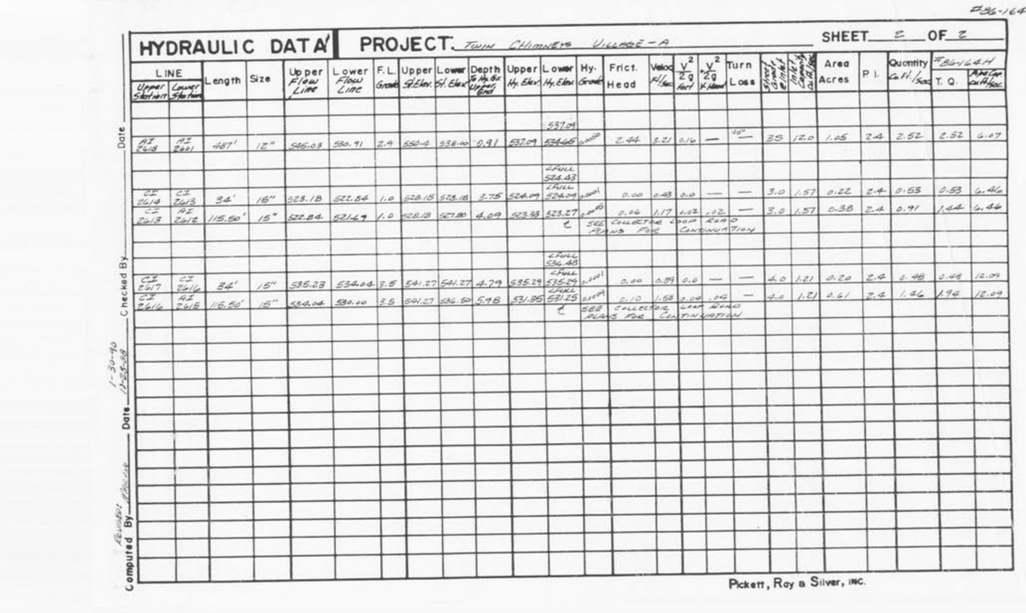
Pickett, Ray & Silver, INC.

Computed By Revised Pickett Date 11-30-88 Checked By Date





HYDRAULIC DATA | PROJECT: Twin Chimneys Village-A | SHEET 2 OF 2

Line Upper Station	Line Lower Station	Length	Size	Upper Flow Line	Lower Flow Line	F.L. Grade	Upper St. Elev.	Lower St. Elev.	Depth To Hy. Gr. Elev.	Upper Hy. Elev.	Lower Hy. Elev.	Hy. Grade	Frict. Head	Veloc. Ft/Sec	$V^2/2g$ Feet	$V^2/2g$ x K Value	Turn Loss	Street Gutter Inlet Capacity Cu.Ft./Sec.	Area Acres	P.I.	Quantity Cu.Ft./Sec. T.Q.	86-164H Area Cap Acres
											FL 530.26											
CI 2624	AI 2623	122'	12"	529.26	515.84	1.0	528.62	528.20	2.26	532.60	532.45	0.0044	0.17	1.71	0.05	—	—	Low	4.0	0.56	2.4	1.34	1.34	11.82
AI 2625	AI 2622	56'	12"	515.84	515.00	1.5	528.20	532.90	0.77	532.00	532.61	0.0087	0.49	4.04	0.25	.25	70° .20	25	8.0	0.83	2.4	76.81 1.99	83.83	4.36
AI 2622	CI 2621	131'	42"	515.00	512.04	1.5	522.90	522.40	1.99	524.27	518.40	0.0047	0.87	8.68	1.18	.55	70° .14	35	12.0	0.83	2.4	1.99	82.13	123.22
CI 2621	CI 2620	34'	42"	512.04	512.74	0.82	522.40	522.40	4.00	518.34	518.19	0.0044	0.23	8.68	1.17	.04	—	Low	4.0	0.58	2.4	1.84	83.82	91.11
CI 2620	CI 2619	163'	42"	512.74	511.51	0.82	522.40	—	4.27	518.09	517.00	0.0071	1.09	8.82	1.21	.04	—	Low	4.0	0.56	2.4	1.84	84.86	91.11
											C	100 YEAR H.W. LINE										
											545.70											
F.E. 2610	CI 2609	45'	30"	543.52	542.62	2.0	—	540.42	—	545.70	FL 545.12	0.0124	0.58	9.48	1.39	—	—	—	—	—	—	46.52	58.01
CI 2609	CI 2608	34'	30"	542.62	541.94	2.0	540.42	540.40	3.30	545.41	FL 540.44	0.0088	0.47	9.82	1.50	.11	—	Low	4.0	0.7	2.4	1.68	48.20	58.01
CI 2608	MH 2607	25'	30"	541.94	541.44	2.0	540.42	540.18	3.98	543.18	542.82	0.0144	0.36	10.01	1.56	.06	90° .94	Low	4.0	0.4	2.4	0.96	49.16	58.01
MH 2607	AI 2606	107.50'	30"	541.44	535.10	5.89	540.18	540.18	0.98	541.88	540.34	0.0144	1.54	10.01	1.56	—	90° .94	—	—	—	—	—	49.16	58.01
AI 2606	AI 2605	169.84	36"	535.10	533.50	1.0	540.8	540.1	3.40	539.79	538.89	0.0065	0.90	7.10	0.78	—	90° .65	35	12.0	1.01	2.4	3.55	53.72	66.70
AI 2605	CI 2604	81.50'	36"	533.50	532.68	1.0	540.1	539.95	1.21	538.14	537.61	0.0065	0.55	7.60	0.90	.12	90° .63	35	12.0	1.49	2.4	3.55	55.72	66.70
CI 2604	CI 2603	34'	36"	532.68	532.24	1.0	539.88	539.53	2.22	537.53	537.09	0.0071	0.54	7.94	0.98	.08	—	Low	4.0	1.8	2.4	2.45	57.82	66.70
CI 2603	CI 2602	45.75'	36"	532.24	531.88	1.0	539.88	539.16	2.54	536.50	536.46	0.0071	0.04	8.04	1.04	.02	90° .73	Low	4.0	0.71	2.4	1.70	59.52	66.70
CI 2602	AI 2601	98'	36"	531.88	530.91	1.0	540.16	538.30	2.99	535.40	534.65	0.0077	0.75	8.28	1.10	.20	90° .74	35	12.0	1.07	2.4	2.57 2.57	63.61	68.35
AI 2601	AI 2600A	278'	36"	530.91	528.04	1.05	538.50	539.50	3.86	533.52	534.06	0.0073	1.48	9.0	1.26	.02	90° .84	35	12.0	0.23	2.4	0.55	64.16	136.49
AI 2600A	DAI 2625	260'	36"	528.04	517.12	4.2	539.50	524.50	3.46	526.87	524.02	0.0110	2.41	9.08	1.28	.02	90° .89	35	12.0	0.23	2.4	0.55	64.16	136.49
											524.02											
DAI 2625	DAI 2622	46'	12"	518.50	518.05	1.0	526.55	525.40	0.93	524.62	524.41	0.0045	0.16	2.69	0.11	—	—	35	12.0	0.88	2.4	2.11	2.11	3.56
DAI 2622	DAI 2622	118'	42"	517.12	515.00	1.8	525.40	522.90	0.94	522.20	521.51	0.0060	0.69	7.98	0.99	.65	90° .97	35	12.0	4.62	2.4	23.64 11.09	76.81	134.98

Computed By Revised Pickett Date 1-30-90 Checked By Date 10-28-88

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