

TABLE 4-1

			Peak	UP MH	DN MH			Average			New		Full		Const.	Option	Option
	UP MH	DN MH	Flow	Invert out	Invert in	Length	Slope	Pipe	Manning's	Relief	Dia	Capacity	Velocity	% Full	Cost	Total	Total
			cfs	ft	ft	ft	ft/ft	Depth	n	Type	in	cfs	ft/sec		\$	\$	Capital
								ft (1)									
Option 1	OF-008	RSPS	0.803	5524.75	5513.84	450	0.02424	9.24	0.013	Parallel	8	1.887	5.40	42.6%	\$31,000		
(2)	RSPS	CIP JC1-A	0.803	5512.84	5494.72	3,500	0.00518	10.78	0.013	Parallel	10	1.581	2.90	50.8%	\$283,000	\$314,000	\$439,600
Option 2	OF-008	SF-018	0.803	5524.75	5519.58	1,630	0.00317	6.17	0.013	Parallel	10	1.237	2.27	64.9%	\$122,000	\$122,000	\$170,800
Option 3	OF-008	OF-088 site	0.803	5524.75	5523.33	450	0.00315	8.97	0.013	Parallel	10	1.232	2.26	65.2%	\$34,000		
	OF-088 site	OF-002 site	0.803	5523.33	5521.03	733	0.00315	10.84	0.013	Parallel	10	1.232	2.26	65.2%	\$60,000		
	OF-002 site	SF-018	0.803	5521.03	5519.58	460	0.00315	8.04	0.013	Parallel	10	1.232	2.26	65.2%	\$34,000	\$128,000	\$179,200
Option 4	OF-008	OF-005	1.081	5524.75	5523.43	518	0.00255	11.30	0.013	Replace	12	1.805	2.30	59.9%	\$48,000		
	OF-005	OF-002	1.148	5523.43	5521.68	685	0.00255	12.84	0.013	Replace	12	1.805	2.30	63.6%	\$72,000		
	OF-002	SF-019	1.729	5521.68	5520.48	375	0.00255	7.52	0.013	Replace	15	3.663	2.99	47.2%	\$36,000	\$156,000	\$218,400
Option 5	OF-008	OF-007	1.034	5524.75	5524.37	198	0.00192	11.01	0.013	Replace	12	1.565	1.99	66.1%	\$18,000		
	OF-007	OF-006	1.058	5524.37	5524.33	110	0.00036	14.68	0.013	Replace	18	2.008	1.14	52.7%	\$15,000		
	OF-006	OF-005	1.081	5524.33	5524.04	210	0.00138	14.66	0.013	Replace	15	2.407	1.96	44.9%	\$28,000		
	OF-005	OF-004	1.103	5524.04	5522.80	235	0.00528	12.38	0.013	Replace	12	2.595	3.30	42.5%	\$24,000		
	OF-004	OF-003	1.124	5522.80	5522.20	235	0.00255	10.52	0.013	Replace	12	1.805	2.30	62.3%	\$20,000		
	OF-003	OF-002	1.148	5522.20	5521.60	215	0.00279	10.71	0.013	Replace	12	1.887	2.40	60.8%	\$19,000		
	OF-002	OF-001	1.714	5521.60	5521.50	210	0.00048	10.96	0.013	Replace	21	3.467	1.44	49.4%	\$25,000		
	OF-001	SF-019	1.729	5520.70	5520.48	165	0.00133	7.83	0.013	Replace	18	3.846	2.18	45.0%	\$17,000	\$166,000	\$232,400
(1) Average pipe depth based on average depth of UP Mh and DN MH.																	
(2) Values for CIP JC1-A are estimates from CIP study and not existing facility data.																	