

SYSTEM 6

Conduits and Channels

ID	Existing			Recommendation			Total Cost
	Size	Grade (%)	Q _{cap} (cfs)	Size	Grade (%)	Q _{10yr} (cfs)	
S6-1	30"	1.96	31	2-42"	1.96	238	\$18,000
S6-2	18"	0.01	1	2-42"	0.01	238	\$24,000
S6-3	24"	0.34	7	2-42"	0.34	238	\$69,000
S6-4	24"	0.16	5	2-42"	0.16	238	\$113,000
S6-5	24"	0.23	6	2-42"	0.23	238	\$25,000
S6-6	24"	0.17	5	2-42"	0.17	238	\$71,000
S6-7	24"	0.58	9	2-42"	0.58	238	\$10,000
S6-8	24"	2.66	20	2-42"	2.66	238	\$2,000
S6-9	9"	-5.08	28	2-42"	-5.08	238	\$77,000
S6-10	15"	5.33	8	60"	0.50	173	\$29,000
S6-11	15"	0.21	2	60"	0.50	173	\$59,000
S6-12	15"	0.43	2	60"	0.49	143	\$10,000
S6-13	15"	0.34	2	60"	0.50	143	\$54,000
S6-14	15"	0.48	2	60"	0.50	87	\$13,000
S6-15	15"	0.72	3	60"	0.50	87	\$60,000
S6-16	15"	0.64	3	60"	0.50	54	\$62,000
S6-17	15"	0.42	2	15"	---	---	---
S6-18	15"	0.67	3	15"	---	---	---
Subtotal Cost =							\$694,000
S6L1-1	15"	27.69	18	15"	---	---	\$0
Subtotal Cost =							\$0
S6L2-1	15"	46.16	24	60"	0.98	65	\$5,000
Subtotal Cost =							\$5,000
S6L3-1	15"	0.05	1	60"	0.30	61	\$17,000
S6L3-2	18"	0.55	4	60"	0.27	64	\$7,000
S6L3-3	18"	0.44	4	60"	0.30	65	\$73,000
S6L3-4	18"	0.42	4	60"	0.30	66	\$74,000
S6L3-5	18"	0.91	2	60"	0.25	67	\$3,000
S6L3-6	18"	0.16	1	60"	0.29	68	\$15,000
S6L3-7B	18"	0.57	4	60"	0.28	44	\$6,000
S6L3-8B	4' flat bottom	0.31	21	4' flat bottom	---	---	---
S6L3-10	12"	0.35	1	12"	---	---	---
S6L3T1-1	15"	8.47	10	15"	---	---	---
Subtotal Cost =							\$195,000
S6L3-7A	---	---	---	42"	0.10	41	\$114,000
S6L3-7C	---	---	---	30"	2.18	23	\$4,000
S6L3-7D	---	---	---	2-30"	0.10	29	\$54,000
S6L3-8A	4' flat bottom	0.31	316	6' flat bottom	0.42	46	\$6,000
S6L3-9A	12"	1.43	2	30"	0.02	40	\$3,000
Subtotal Cost =							\$181,000
S6L4-1	15"	0.59	3	15"	---	---	---
S6L4-2	15"	0.80	3	15"	---	---	---
Subtotal Cost =							\$0
S6L5-1	8"	3.24	3	8"	---	---	---
Subtotal Cost =							\$0

SYSTEM 6

Pump Stations					
ID	Existing		Recommendation		Total Cost
	Wet-well (ft ³)	Pump (gpm)	Wet-well (ft ³)	Pump (gpm)	
Maple Street	Not Available	Not Available	14,280	106,814	\$3,204,000
Subtotal Cost =					\$3,204,000
Land Acquisitions					
Plate #	Appraised			Total Cost	
	Land		Improvements		
N07659A	\$36,680		\$56,820	\$94,000	
N07660A	\$1,900		\$0	\$2,000	
Subtotal Cost =				\$96,000	

Notes:

1. Dashed entries refer to pieces of the system that are included in GIS mapping, but did not meet the study criteria for having individual analysis in the hydrologic model. Therefore, no recommendation could be given.
2. All proposed pump station wet-wells are 20-ft deep
3. All pump station costs are highly variable and depend on the level of redundancy desired with regard to backup pumps, pump supplies, outlet works, etc.
4. Assume total cost of pump station to be \$30/gpm

Total Cost of System =	\$4,375,000
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