SYSTEM 6

$\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$	Conduits and Channels										
ID Size Grade (%) Q _{cep} (cfs) Size Grade (%) Q _{topr} (cfs) Iofa C S6-1 30" 1.96 31 2-42" 1.96 238 \$\$18.0 S6-2 18" 0.01 1 2-42" 0.04 238 \$\$24.0 S6-3 24" 0.34 7 2-42" 0.16 238 \$\$24.0 S6-5 24" 0.23 6 2-42" 0.16 238 \$\$25.0 S6-6 24" 0.17 5 2-42" 0.17 238 \$\$\$25.0 S6-7 24" 0.58 9 2-42" 0.56 238 \$\$\$21.00 S6-7 24" 0.60 28 2-42" -5.08 238 \$\$\$21.00 S6-10 15" 5.33 8 60" 0.50 173 \$\$\$22.00 S6-11 15" 0.43 2 60" 0.50 \$\$\$\$30.00 S6-12 15" 0.42 2		Existina			Rec	ommendatio	on	T () O (
S6-1 30° 1.96 31 2-42° 1.96 238 \$18.0 S6-2 18° 0.01 1 2-42° 0.01 238 \$24.0 S6-3 24° 0.34 7 2-42° 0.34 238 \$86.9 S6-4 24° 0.16 5 2-42° 0.16 238 \$13.0 S6-5 24″ 0.23 6 2-42° 0.23 238 \$25.0 S6-6 24″ 0.17 5 2-42° 0.18 238 \$10.0 S6-7 24″ 0.58 9 2-42° 0.58 238 \$71.0 S6-8 24″ 2.66 200 2-42° 2.66 238 \$27.0 S6-10 15° 5.33 8 60° 0.50 173 \$27.0 S6-11 15° 0.43 2 60° 0.50 87 \$3.0 \$56.0 S6-14 15° 0.43 2 60°	ID	Size	Grade (%)	Q _{can} (cfs)	Size	Grade (%)	Q _{10vr} (cfs)	Total Cost			
S6-2 18" 0.01 1 2-42" 0.01 238 \$\$24,00 S6-3 24" 0.16 5 2-42" 0.34 238 \$\$69,00 S6-4 24" 0.16 5 2-42" 0.16 238 \$\$113.0 S6-5 24" 0.23 6 2-42" 0.23 238 \$\$25,00 S6-6 24" 0.17 5 2-42" 0.17 238 \$\$71,00 S6-7 24" 0.58 9 2-42" 0.58 238 \$\$10,00 S6-7 24" 0.58 288 2-42" 2.66 238 \$\$27,00 S6-10 15" 0.53 8 60" 0.50 173 \$\$27,00 S6-11 15" 0.24 2 60" 0.50 183 \$\$10,00 S6-13 15" 0.43 2 60" 0.50 \$\$7<\td>\$\$13,00 S6-14 15" 0.42 2 15"	S6-1	30"	1.96	31	2-42"	1.96	238	\$18,000			
S6-3 24" 0.34 7 2-42" 0.34 238 \$69.0 S6-4 24" 0.16 5 2-42" 0.16 238 \$113.0 S6-5 24" 0.23 6 2-42" 0.17 238 \$25.0 S6-6 24" 0.17 5 2-42" 0.17 238 \$\$71.0 S6-7 24" 0.58 9 2-42" 0.58 238 \$\$17.0 S6-7 24" 0.66 20 2-42" 0.58 238 \$\$17.0 S6-8 24" 2.66 20 2-42" 2.68 238 \$\$2.00 S6-9 9" -5.08 28 2-42" -5.08 238 \$\$77.0 S6-10 15" 0.21 2 60" 0.50 173 \$\$27.0 S6-12 15" 0.43 2 60" 0.50 143 \$\$54.0 S6-14 15" 0.43 2 60" 0.50 87 \$\$13.0 S6-15 15" 0.72 3	S6-2	18"	0.01	1	2-42"	0.01	238	\$24,000			
S6-4 24" 0.16 5 2-42" 0.16 238 \$113.0 S6-5 24" 0.23 6 2-42" 0.23 238 \$25.0 S6-6 24" 0.17 5 2-42" 0.17 238 \$27.0 S6-7 24" 0.58 9 2-42" 0.58 238 \$10.0 S6-7 24" 0.58 9 2-42" 0.58 238 \$71.0 S6-9 9" -5.08 28 2-42" 0.56 238 \$77.0 S6-10 15" 5.33 8 60" 0.50 173 \$27.0 S6-11 15" 0.43 2 60" 0.50 143 \$54.0 S6-13 15" 0.72 3 60" 0.50 87<\$13.0 \$100 S6-14 15" 0.72 3 60" 0.50 87<\$13.0 \$24.00 S6-15 15" 0.67 3 15"	S6-3	24"	0.34	7	2-42"	0.34	238	\$69,000			
S6-5 24" 0.23 6 2-42" 0.23 238 \$\$25,00 S6-6 24" 0.17 5 2-42" 0.17 238 \$\$71,00 S6-7 24" 0.58 9 2-42" 0.58 238 \$\$10,00 S6-8 24" 2.66 20 2-42" 2.66 238 \$\$2,00 S6-9 9" -5.08 28 2-42" -5.08 238 \$\$77,00 S6-10 15" 5.33 8 60" 0.50 173 \$\$27,00 S6-11 15" 0.21 2 60" 0.50 173 \$\$59,00 S6-13 15" 0.21 2 60" 0.50 87 \$\$60,00 S6-15 15" 0.72 3 60" 0.50 87 \$\$60,00 S6-16 15" 0.42 2 15" \$\$0 S61.1 15" 0.67 3 15" <td>S6-4</td> <td>24"</td> <td>0.16</td> <td>5</td> <td>2-42"</td> <td>0.16</td> <td>238</td> <td>\$113,000</td>	S6-4	24"	0.16	5	2-42"	0.16	238	\$113,000			
S6-6 24" 0.17 5 2-42" 0.17 238 \$71,0 S6-7 24" 0.58 9 2-42" 0.58 238 \$10,0 S6-8 24" 2.66 20 2-42" 2.66 238 \$27,0 S6-10 15" 5.33 8 60" 0.50 173 \$27,0 S6-11 15" 0.21 2 60" 0.50 173 \$59,0 S6-12 15" 0.43 2 60" 0.50 143 \$51,00 S6-13 15" 0.43 2 60" 0.50 87 \$13,00 S6-14 15" 0.44 2 60" 0.50 87 \$13,00 S6-15 15" 0.72 3 60" 0.50 87 \$13,00 S6-16 15" 0.42 2 15" \$50 S612-1 15" 0.64 3 60" 0.	S6-5	24"	0.23	6	2-42"	0.23	238	\$25,000			
S6-7 24" 0.58 9 2-42" 0.58 238 \$10.00 S6-8 24" 2.66 200 2-42" 2.66 238 \$\$2,00 S6-9 9" -5.08 288 2-42" -5.08 238 \$\$77,00 S6-10 15" 5.33 8 60" 0.50 173 \$\$27,00 S6-11 15" 0.21 2 60" 0.50 173 \$\$29,00 S6-13 15" 0.43 2 60" 0.50 143 \$\$10,00 S6-14 15" 0.48 2 60" 0.50 877,80 S6-15 15" 0.72 3 60" 0.50 87 \$\$60,00 S6-16 15" 0.64 3 60" 0.50 87 \$\$64,00 S6-16 15" 0.67 3 15" \$\$64,00 S612-1 15" 0.65 1 60" 0.	S6-6	24"	0.17	5	2-42"	0.17	238	\$71,000			
S6-8 24" 2.66 20 2-42" 2.66 238 \$\$2,00 S6-9 9" -5.08 28 2-42" -5.08 238 \$\$77,00 S6-10 15" 5.33 8 60" 0.50 173 \$\$27,00 S6-11 15" 0.21 2 60" 0.50 173 \$\$59,00 S6-12 15" 0.43 2 60" 0.50 143 \$\$10,00 S6-13 15" 0.48 2 60" 0.50 87 \$\$13,00 S6-14 15" 0.48 2 60" 0.50 87 \$\$6,00 S6-15 15" 0.42 2 15" \$\$6,00 S6-16 15" 0.42 2 15" \$\$6,00 S6-17 15" 0.67 3 15" \$\$6,00 S611-1 15" 0.67 3 15" <td>S6-7</td> <td>24"</td> <td>0.58</td> <td>9</td> <td>2-42"</td> <td>0.58</td> <td>238</td> <td>\$10,000</td>	S6-7	24"	0.58	9	2-42"	0.58	238	\$10,000			
S6-9 9" -5.08 28 2-42" -5.08 238 \$77,0 S6-10 15" 5.33 8 60" 0.50 173 \$27,00 S6-11 15" 0.21 2 60" 0.50 173 \$27,00 S6-12 15" 0.43 2 60" 0.49 143 \$10,00 S6-13 15" 0.34 2 60" 0.50 143 \$\$54,00 S6-14 15" 0.48 2 60" 0.50 87 \$\$13,00 S6-15 15" 0.72 3 60" 0.50 87 \$\$60,00 S6-16 15" 0.64 3 60" 0.50 54 \$\$62,00 S6-17 15" 0.42 2 15" \$\$694,00 S612-1 15" 27.69 18 15" \$\$694,00 S612-1 15" 46.16 24 60" 0.30 <td>S6-8</td> <td>24"</td> <td>2.66</td> <td>20</td> <td>2-42"</td> <td>2.66</td> <td>238</td> <td>\$2,000</td>	S6-8	24"	2.66	20	2-42"	2.66	238	\$2,000			
S6-10 15" 5.33 8 60" 0.50 173 \$27,0 S6-11 15" 0.21 2 60" 0.50 173 \$59,0 S6-12 15" 0.43 2 60" 0.49 143 \$10,0 S6-13 15" 0.34 2 60" 0.50 173 \$54,0 S6-14 15" 0.48 2 60" 0.50 87 \$13,0 S6-15 15" 0.72 3 60" 0.50 87 \$62,0 S6-17 15" 0.42 2 15" s62,0 S6-18 15" 0.67 3 15" \$64,0 S61-1 15" 27.69 18 15" \$64,0 S61-1 15" 27.69 18 15" \$50 S61.3-1 15" 0.55 4 60" 0.30 61 \$17,00 <td>S6-9</td> <td>9"</td> <td>-5.08</td> <td>28</td> <td>2-42"</td> <td>-5.08</td> <td>238</td> <td>\$77,000</td>	S6-9	9"	-5.08	28	2-42"	-5.08	238	\$77,000			
S6-11 15" 0.21 2 60" 0.50 173 \$\$50,00 S6-12 15" 0.43 2 60" 0.49 143 \$\$10,00 S6-13 15" 0.34 2 60" 0.50 143 \$\$54,00 S6-14 15" 0.48 2 60" 0.50 87 \$\$13,00 S6-15 15" 0.72 3 60" 0.50 87 \$\$60,00 S6-16 15" 0.64 3 60" 0.50 54 \$\$62,00 S6-17 15" 0.42 2 15" S6-18 15" 0.67 3 15" \$\$0 S6-11 15" 27.69 18 15" \$\$0 S612-1 15" 46.16 24 60" 0.30 61 \$17,00 S613-3 18" 0.44 4 60" 0.30 <td< td=""><td>S6-10</td><td>15"</td><td>5.33</td><td>8</td><td>60"</td><td>0.50</td><td>173</td><td>\$27,000</td></td<>	S6-10	15"	5.33	8	60"	0.50	173	\$27,000			
S6-12 15" 0.43 2 60" 0.49 143 \$10,00 S6-13 15" 0.34 2 60" 0.50 143 \$54,00 S6-14 15" 0.48 2 60" 0.50 87 \$13,00 S6-15 15" 0.72 3 60" 0.50 87 \$60,00 S6-16 15" 0.64 3 60" 0.50 54 \$62,00 S6-17 15" 0.42 2 15" S62,00 S611 15" 0.67 3 15" \$0 S61.1 15" 27.69 18 15" \$0 S61.2-1 15" 46.16 24 60" 0.98 65 \$5,00 S61.3-1 15" 0.05 1 60" 0.30 61 \$17,00 S61.3-3 18" 0.42 4 60" 0.30<	S6-11	15"	0.21	2	60"	0.50	173	\$59,000			
S6-13 15" 0.34 2 $60"$ 0.50 143 $\$54,00$ S6-14 15" 0.48 2 $60"$ 0.50 87 $\$13,00$ S6-15 15" 0.72 3 $60"$ 0.50 87 $\$13,00$ S6-16 $15"$ 0.72 3 $60"$ 0.50 87 $\$13,00$ S6-17 $15"$ 0.42 2 $15"$ \cdots \cdots \cdots S6-18 $15"$ 0.42 2 $15"$ \cdots \cdots \cdots \cdots S6L1-1 $15"$ 27.69 18 $15"$ \cdots \cdots $\$0$ S6L2-1 $15"$ 46.16 24 $60"$ 0.98 65 $\$5,00$ Subtotal Cost = $\$0.05$ 1 $60"$ 0.30 61 $\$1,00$ $$11,00$ $$561.3-3$ $18"$ 0.42 4 $60"$ 0.30 65 $\$73,00$ $$61.3-3$ $$8,00$ $$65.5$ $$4$ $60"$ 0.30 66 <	S6-12	15"	0.43	2	60"	0.49	143	\$10,000			
S6-14 15" 0.48 2 60" 0.50 87 \$13,00 S6-15 15" 0.72 3 60" 0.50 87 \$60,00 S6-16 15" 0.64 3 60" 0.50 54 \$62,00 S6-17 15" 0.42 2 15" S6-18 15" 0.67 3 15" S6-17 15" 0.67 3 15" \$0 S6L1-1 15" 0.67 3 15" \$0 S6L2 15" 46.16 24 60" 0.98 65 \$5,00 S6L3-1 15" 0.05 1 60" 0.30 61 \$17,00 S6L3-2 18" 0.44 4 60" 0.30 65 \$73,00 S6L3-3 18" 0.44 4 60" 0.30	S6-13	15"	0.34	2	60"	0.50	143	\$54,000			
S6-15 15" 0.72 3 60" 0.50 87 \$60,00 S6-16 15" 0.64 3 60" 0.50 54 \$62,00 S6-17 15" 0.42 2 15" S6-18 15" 0.67 3 15" S0 S6L1-1 15" 27.69 18 15" S0 S0 S6 \$5,00 S6L2-1 15" 46.16 24 60" 0.30 61 \$17,00 S6 \$36,33 18" 0.44 4 60" 0.30 65 \$73,00 S6 \$36,33 18"	S6-14	15"	0.48	2	60"	0.50	87	\$13,000			
S6-16 15" 0.64 3 60" 0.50 54 \$62,00 S6-17 15" 0.42 2 15" Second Second <td>S6-15</td> <td>15"</td> <td>0.72</td> <td>3</td> <td>60"</td> <td>0.50</td> <td>87</td> <td>\$60,000</td>	S6-15	15"	0.72	3	60"	0.50	87	\$60,000			
S6-17 15" 0.42 2 15" S6-18 15" 0.67 3 15" S613 15" Subtoal Cost = \$694,0 S6L1-1 15" 27.69 18 15" \$0 S6L2-1 15" 46.16 24 60" 0.98 65 \$5,00 Subtoal Cost = \$0 S6L3-1 15" 0.05 1 60" 0.30 61 \$17,00 S6L3-2 18" 0.42 4 60" 0.30 65 \$7,30 S6L3-3 18" 0.42 4 60" 0.30 66 \$74,00 S6L3-4 18" 0.91 2 60" 0.25 67 \$3,00 S6L3-5 18" 0.91 2 60" 0.28 44 \$6,00 S6L3-6 18" 0.57 4 60" <th< td=""><td>S6-16</td><td>15"</td><td>0.64</td><td>3</td><td>60"</td><td>0.50</td><td>54</td><td>\$62,000</td></th<>	S6-16	15"	0.64	3	60"	0.50	54	\$62,000			
S6-18 15" 0.67 3 15" S0100000000000000000000000000000000000	S6-17	15"	0.42	2	15"						
Sel1-1 15" 27.69 18 15" \$0 Subtotal Cost = \$0 Sel2-1 15" 46.16 24 60" 0.98 65 \$5,00 Sel3-1 15" 0.05 1 60" 0.30 61 \$17,00 Sel3-2 18" 0.55 4 60" 0.27 64 \$7,00 Sel3-3 18" 0.44 4 60" 0.30 66 \$74,00 Sel3-4 18" 0.42 4 60" 0.30 66 \$74,00 Sel3-5 18" 0.42 4 60" 0.30 66 \$74,00 Sel3-6 18" 0.16 1 60" 0.25 67 \$3,00 Sel3-7B 18" 0.57 4 60" 0.28 44 \$6,00 Sel3-7B 18" 0.57 4 60" 0.28 44 \$6,00 Sel3-70 12" 0.35	S6-18	15"	0.67	3	15"						
S6L1-1 15" 27.69 18 15" \$0 S6L2-1 15" 46.16 24 60" 0.98 65 \$5,00 S6L3-1 15" 0.05 1 60" 0.30 61 \$17,00 S6L3-2 18" 0.55 4 60" 0.30 65 \$73,00 S6L3-3 18" 0.44 4 60" 0.30 66 \$74,00 S6L3-4 18" 0.42 4 60" 0.30 66 \$74,00 S6L3-5 18" 0.91 2 60" 0.25 67 \$3,00 S6L3-6 18" 0.16 1 60" 0.28 44 \$6,00 S6L3-7B 18" 0.57 4 60" 0.28 44 \$6,00 S6L3-7B 18" 0.57 4 60" 0.28 44 \$6,00 S6L3-7A <						Subtotal Cost =					
S6L2-1 15" 46.16 24 60" 0.98 65 \$5,00 S6L3-1 15" 0.05 1 60" 0.30 61 \$17,00 S6L3-2 18" 0.55 4 60" 0.27 64 \$7,00 S6L3-3 18" 0.44 4 60" 0.30 65 \$73,00 S6L3-4 18" 0.42 4 60" 0.30 66 \$74,00 S6L3-5 18" 0.42 4 60" 0.30 66 \$74,00 S6L3-6 18" 0.42 4 60" 0.25 67 \$3,00 S6L3-6 18" 0.16 1 60" 0.28 44 \$6,00 S6L3-7B 18" 0.57 4 60" 0.28 44 \$6,00 S6L3-7B 18" 0.57 4 60" 0.28 44 \$6,00 S6L3-7B 18" 0.57 4 60" <	S6L1-1	15"	27.69	18	15"			\$0			
S6L2-1 15" 46.16 24 60" 0.98 65 \$5,00 S6L3-1 15" 0.05 1 60" 0.30 61 \$17,00 S6L3-2 18" 0.55 4 60" 0.27 64 \$7,00 S6L3-3 18" 0.44 4 60" 0.30 65 \$73,00 S6L3-4 18" 0.42 4 60" 0.30 66 \$74,00 S6L3-5 18" 0.91 2 60" 0.25 67 \$3,00 S6L3-6 18" 0.91 2 60" 0.28 44 \$6,00 S6L3-6 18" 0.16 1 60" 0.28 44 \$6,00 S6L3-7B 18" 0.57 4 60" 0.28 44 \$6,00 S6L3-8B 4' flat bottom 0.31 21 4' flat bottom S6L371-1 15" 8.47 10 15" S6L3-7C 2-30"						Sub	total Cost =	\$0			
Solution Subtotal Cost = \$5,00 S6L3-1 15" 0.05 1 60" 0.30 61 \$17,00 S6L3-2 18" 0.55 4 60" 0.27 64 \$7,00 S6L3-3 18" 0.44 4 60" 0.30 65 \$73,00 S6L3-4 18" 0.42 4 60" 0.30 66 \$74,00 S6L3-5 18" 0.91 2 60" 0.25 67 \$3,00 S6L3-6 18" 0.91 2 60" 0.29 68 \$15,00 S6L3-6 18" 0.16 1 60" 0.29 68 \$15,00 S6L3-7B 18" 0.57 4 60" 0.28 44 \$6,00 S6L3-8B 4' flat bottom 0.31 21 4' flat bottom S6L3-70 12" 0.35 1 12"	S6L2-1	15"	46.16	24	60"	0.98	65	\$5,000			
S6L3-1 15" 0.05 1 60" 0.30 61 \$17,00 S6L3-2 18" 0.55 4 60" 0.27 64 \$7,00 S6L3-3 18" 0.44 4 60" 0.30 65 \$73,00 S6L3-4 18" 0.42 4 60" 0.30 66 \$74,00 S6L3-5 18" 0.91 2 60" 0.25 67 \$3,00 S6L3-6 18" 0.16 1 60" 0.29 68 \$15,00 S6L3-7B 18" 0.57 4 60" 0.28 44 \$6,00 S6L3-8B 4' flat bottom 0.31 21 4' flat bottom S6L3-10 12" 0.35 1 12" S6L371-1 15" 8.47 10 15" S6L371-1 15" 8.47 10 15" S6L376 \$3,00 \$4,00 \$61,37 \$4,00 \$561,37 \$5,00						Subt	total Cost =	\$5,000			
S6L3-2 18" 0.55 4 60" 0.27 64 \$7,00 S6L3-3 18" 0.44 4 60" 0.30 65 \$73,00 S6L3-4 18" 0.42 4 60" 0.30 66 \$74,00 S6L3-5 18" 0.91 2 60" 0.25 67 \$3,00 S6L3-6 18" 0.16 1 60" 0.29 68 \$15,00 S6L3-6 18" 0.57 4 60" 0.28 44 \$6,00 S6L3-7B 18" 0.57 4 60" 0.28 44 \$6,00 S6L3-10 12" 0.35 1 12" S6L3-10 12" 0.35 1 12" S6L3-7A 30" 2.18 23 \$4,00 S6L3-7D 2-30" 0.10 29 \$54,00 S6L3-3A 4' flat bottom 0.31 316 <td>S6L3-1</td> <td>15"</td> <td>0.05</td> <td>1</td> <td>60"</td> <td>0.30</td> <td>61</td> <td>\$17,000</td>	S6L3-1	15"	0.05	1	60"	0.30	61	\$17,000			
S6L3-3 18" 0.44 4 60" 0.30 65 \$73,00 S6L3-4 18" 0.42 4 60" 0.30 66 \$74,00 S6L3-5 18" 0.91 2 60" 0.25 67 \$3,00 S6L3-6 18" 0.16 1 60" 0.29 68 \$15,00 S6L3-7B 18" 0.57 4 60" 0.28 44 \$6,00 S6L3-8B 4' flat bottom 0.31 21 4' flat bottom S6L3-10 12" 0.35 1 12" S6L3-10 12" 0.35 1 12" S6L3-7A 30" 2.18 23 \$4,00 S6L3-7D 2-30" 0.10 29 \$54,00 S6L3-7D 2-30" 0.10 29 \$54,00 S6L3-9A 12" 1.43 2 30"	S6L3-2	18"	0.55	4	60"	0.27	64	\$7,000			
S6L3-4 18" 0.42 4 60" 0.30 66 \$74,00 S6L3-5 18" 0.91 2 60" 0.25 67 \$3,00 S6L3-6 18" 0.16 1 60" 0.29 68 \$15,00 S6L3-7B 18" 0.57 4 60" 0.28 44 \$6,00 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" S6L3-7A 42" 0.10 41 \$114,00 S6L3-7A 30" 2.18 23 \$4,000 S6L3-7D 2-30" 0.10 41 \$114,00 S6L3-8A 4' flat bottom 0.31 316 6' flat bottom 0.42 46 \$6,000 S6L3-9A 12" 1.4	S6L3-3	18"	0.44	4	60"	0.30	65	\$73,000			
S6L3-5 18" 0.91 2 60" 0.25 67 \$3,00 S6L3-6 18" 0.16 1 60" 0.29 68 \$15,00 S6L3-7B 18" 0.57 4 60" 0.28 44 \$6,00 S6L3-8B 4' flat bottom 0.31 21 4' flat bottom S6L3-10 12" 0.35 1 12" S6L3-10 12" 0.35 1 12" S6L3-10 12" 0.35 1 12" S6L3-7 S6L3-7 S6L	S6L3-4	18"	0.42	4	60"	0.30	66	\$74,000			
S6L3-6 18" 0.16 1 60" 0.29 68 \$15,00 S6L3-7B 18" 0.57 4 60" 0.28 44 \$6,00 S6L3-8B 4' flat bottom 0.31 21 4' flat bottom S6L3-10 12" 0.35 1 12" S6L3-10 12" 0.35 1 12" S6L3-11 15" 8.47 10 15" S6L3-7A 42" 0.10 41 \$114,0 S6L3-7C 30" 2.18 23 \$4,00 S6L3-7D 2-30" 0.10 29 \$54,00 S6L3-8A 4' flat bottom 0.31 316 6' flat bottom 0.42 46 \$6,00 S6L3-9A 12" 1.43 2 30" 0.02 40 \$3,00 S6L3-9A 12" 1.43 2	S6L3-5	18"	0.91	2	60"	0.25	67	\$3,000			
S6L3-7B 18" 0.57 4 60" 0.28 44 \$6,00 S6L3-8B 4' flat bottom 0.31 21 4' flat bottom S6L3-10 12" 0.35 1 12" S6L3-10 12" 0.35 1 12" S6L3T1-1 15" 8.47 10 15" S6L3-7A 42" 0.10 41 \$114,0 S6L3-7C 30" 2.18 23 \$4,00 S6L3-7D 2-30" 0.10 29 \$54,00 S6L3-7D 2-30" 0.10 29 \$54,00 S6L3-8A 4' flat bottom 0.31 316 6' flat bottom 0.42 46 \$6,00 S6L3-9A 12" 1.43 2 30" 0.02 40 \$3,00 <	S6L3-6	18"	0.16	1	60"	0.29	68	\$15,000			
S6L3-8B 4' flat bottom 0.31 21 4' flat bottom S6L3-10 12" 0.35 1 12" S6L3-7D 2-30" 0.10 29 \$54,00 \$61,300 \$61,370 2-30" 0.10 29 \$54,00 \$61,00 \$61,00 \$61,00 \$61,00 \$61,00 \$61,00	S6L3-7B	18"	0.57	4	60"	0.28	44	\$6,000			
Sol_3-10 12" 0.35 1 12" 30" 2.18 2.3 \$4,00 \$56,00 \$56,00 \$56,00 \$56,00 \$56,00 \$56,00 \$56,00 \$56,00 \$56,00 \$56,00 \$56,00 \$56,00 \$56,00 \$56,00 \$56,00 \$56,00 \$56,00 \$56,00 <	S6L3-8B	4' flat bottom	0.31	21	4' flat bottom						
Sol_311-1 15 8.47 10 15 30" 2.18 23 \$4,00 \$56,00	56L3-10	12"	0.35	1	12"						
S6L3-7A 42" 0.10 41 \$114,0 S6L3-7C 30" 2.18 23 \$4,00 S6L3-7D 2-30" 0.10 29 \$54,00 S6L3-7D 2-30" 0.10 29 \$54,00 S6L3-8A 4' flat bottom 0.31 316 6' flat bottom 0.42 46 \$6,00 S6L3-9A 12" 1.43 2 30" 0.02 40 \$3,00 Subtotal Cost = Subtotal Cost =	56L311-1	15	8.47	10	15	 Cubi		 ¢405.000			
Sol_3-7A 42 0.10 41 \$114,0 Sol_3-7C 30" 2.18 23 \$4,00 Sol_3-7D 2-30" 0.10 29 \$54,00 Sol_3-7D 2-30" 0.10 29 \$54,00 Sol_3-8A 4' flat bottom 0.31 316 6' flat bottom 0.42 46 \$6,00 Sol_3-9A 12" 1.43 2 30" 0.02 40 \$3,00 Subtotal Cost = \$181,0	661 2 74				40"			\$195,000			
Sol_3-7C III IIII IIIII IIIIIIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	SOLS-7A				42	2.19	41	\$114,000			
Soles-yb Int 230 0.10 23 \$04,00 S6L3-8A 4' flat bottom 0.31 316 6' flat bottom 0.42 46 \$6,00 S6L3-9A 12" 1.43 2 30" 0.02 40 \$3,00 Subtotal Cost = \$181,0	S6L3-7C				2-30"	0.10	20	\$4,000			
Solution 0.51 510 6 hat bottom 0.42 40 \$0,00 S6L3-9A 12" 1.43 2 30" 0.02 40 \$3,00 Subtotal Cost = \$181,0	S6L3-7D	/' flat bottom	0.31	316	2-30 6' flat bottom	0.10	29	\$6,000			
Subtotal Cost = \$181,0	S61 3-0A	4 nat Dottom	1 /2	210	30"	0.42	40	\$3,000			
	30L3-3A	12		0.02 Subi	total Cost –	\$181 000					
15614-1 15" ()59 3 15"	S6I 4-1	15"	0.59	3	15"			φτοτ,000 			
S6I 4-2 15" 0.80 3 15"	S6I 4-2	15"	0.80	3	15"						
		10	0.00	5	10	Sub	total Cost -	\$0			
S6L 5-1 8" 3 24 3 8"	S6L 5-1	8"	3 24	3	8"						
Subtotal Cost = \$0		5	0.2 1	Ŭ	Ŭ Ŭ	Sub	total Cost =	\$0			

SYSTEM 6

Pump Stations										
ID	Existing		Recommendation		Tatal Orac					
	Wet-well (ft ³)	Pump (gpm)	Wet-well (ft ³)	Pump (gpm)	Total Cost					
Maple Street	Not Available	Not Available	14,280	106,814	\$3,204,000					
Subtotal Cost =										
		La	nd Acqui	sitions						
Plate #	Appraised									
		Land		Im	provements	Total Cost				
N07659A		\$36,680			\$56,820					
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