

VOLUME 3 - APPENDICES

SOUTHWEST CANAL AND CREEK STUDY

Prepared for:



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APPENDIX A
PHOTOS



Upstream end Redwood Road Culvert



Trees and Chairs in Rose Creek at approximately 1950 West



Fence crossing Rose Creek immediately upstream of Redwood Road



Fence Across Rose Creek at Approximately 2000 West



Fence crossing Rose Creek at approximately 1760 West



Trash Rack on 36-inch Pipe on Rose Creek at Approximately 2000 West



Pipe Crossing Rose Creek at 2150 West



Downstream end of culvert crossing Utah and Salt Lake Canal



Downstream end of 2200 West Culvert



Utah and Salt Lake Canal Overflow Structure



Rose Creek Channel Downstream of the Utah and Salt Lake Canal



Upstream end of culvert crossing Utah and Salt Lake Canal



Upstream end of Bangerter Culvert



Rose Creek Channel along 2700 West upstream of Bangerter



Downstream end of 13760 South Culvert



Downstream end of 90° Bend Culvert at 2700 West



Rose Creek Channel upstream of the 13760 South Culvert



Rose Creek Channel Upstream of the 90° Bend Culvert at 2700 West



Upstream end of 90° Bend Culvert at 2700 West



Channel erosion at approximately 3250 West



Upstream end of the culvert at 3160 West



Footbridge at approximately 3350 West



The channel downstream of the culvert at 3160 West



Utah Lake Distributing Canal



Earth Berm next to Walmart near Bangerter



Earth Berm next to South Hills Middle School



Downstream end of Millennial Lane Culvert



Channel erosion next to South Hills Middle School



Channel Upstream of Millennial Land



Upstream end of Rosecrest Road Culvert



6100 West Culvert from Upstream



Upstream end of Friendship Drive Culvert



Upstream end of Spring Canyon Drive Culvert



Upstream end of Mirabella Drive Culvert

**APPENDIX B
COST ESTIMATES**

Cost Comparison for Alternative Improvements

#	Project Improvement	Original SWCC Flow Rates	Alternative 1 Existing Conditions/ Retention	Alternative 2 Detain to 0.2 cfs/acre	Alternative 3 Detain to 0.02 cfs/acre	Alternative 4 Instream Detention	Alternative 5 New 13800 South Outfall	Alternative 6 13800 South to 2700 West
1	Welby Jacobs Canal Culvert	\$ 765,000	\$ 765,000	\$ 765,000	\$ 765,000	-	\$ 765,000	\$ 765,000
2	Low Spot in bank at Maverick	\$ 26,000	-	\$ 26,000	\$ 26,000	-	\$ 26,000	\$ 26,000
3	Bank/Levee at South Hills Middle School	\$ 43,000	-	\$ 43,000	\$ 43,000	-	\$ 43,000	\$ 43,000
4	Innovation Drive Culvert	\$ 750,000	-	\$ 750,000	-	-	-	-
5	Detention Basin Bank Upstream of Bangerter	-	-	\$ 25,000	-	-	-	-
6	Bank Upstream of Walmart by Field	\$ 27,000	-	\$ 27,000	\$ 27,000	-	\$ 27,000	\$ 27,000
7	Walmart Levee/Embankment	-	-	\$ 36,000	-	-	-	-
8	Bank Downstream of Walmart by Field	-	-	\$ 25,000	-	-	-	-
10	Detention Basin Bank at Chamonix Park	-	-	\$ 25,000	-	-	-	-
11	Bank by Riverton City Fishing Pond	\$ 43,000	\$ 43,000	\$ 43,000	\$ 43,000	-	\$ 43,000	\$ 43,000
12	Bank upstream of 3160 West Drop Structure	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000
13	3160 West Culvert	\$ 600,000	\$ 600,000	\$ 600,000	\$ 600,000	-	\$ 600,000	\$ 600,000
14	Channel Upstream of 2700 North Access Rd	\$ 107,000	\$ 107,000	\$ 107,000	\$ 107,000	\$ 107,000	\$ 107,000	\$ 107,000
15	2700 North Access Rd Culvert	\$ 532,000	\$ 532,000	\$ 532,000	\$ 532,000	-	\$ 532,000	\$ 532,000
16	Channel between Access Rd and 13760 South	\$ 622,000	\$ 622,000	\$ 622,000	\$ 622,000	-	\$ 622,000	\$ 622,000
17	13760 South Culvert	\$ 677,000	\$ 677,000	\$ 677,000	\$ 677,000	-	\$ 677,000	\$ 677,000
18	Channel between Bangerter and 13760 South	\$ 679,000	\$ 679,000	\$ 679,000	\$ 679,000	-	\$ 679,000	\$ 679,000
19	Bank upstream of 2200 West	-	-	\$ 46,000	\$ 46,000	-	-	\$ 46,000
20	Bank downstream of 2200 West	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
21	(Optional) Bank upstream of Anderson Sisters' house	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
24	Bank Upstream of 1300 W (Vintage Park)	-	-	\$ 27,000	\$ 27,000	-	-	\$ 27,000
25	1300 West Culvert	-	-	\$ 675,000	\$ 675,000	-	-	\$ 675,000
27	Bank by House on Blue Quill Drive	\$ 36,000	\$ 36,000	\$ 36,000	\$ 36,000	\$ 36,000	\$ 36,000	\$ 36,000
-	Detention Basin Improvements					\$ 24,000,000		
-	Pipe Improvements						\$ 5,324,000	\$ 2,733,000
	Total Cost	\$ 4,982,000	\$ 4,136,000	\$ 5,841,000	\$ 4,980,000	\$ 24,218,000	\$ 9,556,000	\$ 7,713,000



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