

Final Project Completion Report

Project Name and Number: SWGWTP General Contract, #3678

Description: Construct Southwest Groundwater Treatment Plant. Work included civil and site improvements, SWGWTP buildings, chemical feed equipment, pre-treatment equipment, and bypass filtration process. RO Equipment provided under a separate contract.

Engineer: Carollo Engineers	Design Status: 100%
Original Engineering Contract Amount: (includes design for all features of the Southwest Jordan Valley Groundwater Project, and limited construction management services)	\$3,719,048
Final Engineering Contract Amount: (various design amendments and substantial construction management services amendments.)	\$7,107,996
Total engineering amendments as a percentage of original contract:	<u>91%</u>

Contractor: Flatiron Constructors, Inc.	Construction Status: 100%
Original construction contract amount:	\$23,665,433
Total Change Order amount:	\$2,478,827
Final construction contract amount:	\$26,144,260
Total change orders as a percentage of original contract:	10.5%

Summary of Change Orders:	
Description	Amount
1 Credit for local placement of excavated materials	(\$50,000)
2 Electrical upgrades to utility corridor	\$309,354
3 Utility corridor elevation change, provide upgrades on 1300 West	\$44,653
4 Adjust project schedule to accommodate Education Center	\$0
5 Allow 10" brick masonry unit	(\$275,493)
6 HVAC Upgrades	\$74,657
7 Electrical Upgrades	\$835,459
8 Provide heat tracing and electrical work	\$193,544
9 Provide pre-filtration piping modifications	\$52,821
10 HVAC Upgrades	\$81,851
11 Provide bypass filtration	\$41,715
12 Byproduct pump station piping improvements	\$45,782
13 Security Camera upgrades	\$22,244
14 Byproduct pump station piping improvements	\$43,901
15 Bypass Filter elements	\$30,699

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16	Electrical for 40 hp interstage pumps	\$15,680
17	Provide backdraft dampers in air tower	\$39,067
18	Provide deep to shallow flow meter	\$33,409
19	Air tower blower HP increase	\$47,441
20	Air tower exhaust ducting	\$22,806
21	Dampers for generator room	\$35,093
22	Bypass Filter upgrades	\$46,488
23	Cathodic protection for surge tanks	\$34,738
24	Provide mow strip on fence to contain rock mulch	\$48,523
25	Storm drain improvements in 1300 West Street	\$25,213
26	Provide water-wise plant selection	\$22,881
27	Shallow well RO UV System	\$192,435
28	Vibration protection monitoring for finished water pumps	\$34,133
29	Additional snow guards for roof system	\$42,634
30	Provide HVAC cooling for Byproduct Pump Station	\$18,522
31	Generator remote fill station	\$45,196
32	Electrical upgrades for UPS	\$34,219
33	Provide power for heat trace systems	\$32,909
34	Pressure regulator at building walls per City	\$8,765
35	HVAC Upgrades	\$25,000
36	Safety Upgrades	\$37,742
37	Limit switches for Bypass Filters	\$43,004
38	Byproduct Pump station seal water piping	\$42,422
39	Security upgrades to Air tower	\$28,661
40	Replacement flow meters for River Discharge Vault	\$36,960
41	Backfeed piping to take the plant off-line	\$24,560
42	Pilot Skid relocation, seal water byproduct pump station	\$0
43	Add drains to take the plant off-line, add air vac. Valves	\$9,139

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SWGWTP Exterior



SWGWTP Exterior



Entry



Wet Lab



Control Console



Chemical Feeds

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RO Membrane Systems



UV Disinfection



Air Tower Degassifier

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Pilot Skid



Flow Metering



Byproduct Pumps

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