
Report on
JVWTP Filter Gallery Seismic
Upgrades

April 2011

JVWTP Filter Gallery & Chlorine Room Seismic Upgrade

Engineer: Reaveley Engineers

Engineering Contract Amount: \$685,356

Contractor: Cal L Wadsworth Construction, Inc.

Contract Award Date: November 10, 2009

Original Contract Amount: \$3,243,966

Project Completion Date: January 24, 2011

Total Construction Change Order (1-15): \$172,430

Final Contract Amount: \$3,399,493

Cumulative Change from Original Contract Amount: 4.8%

FEMA Pre-Disaster Mitigation Grant: \$1,639,500 (received Jan 2011)

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Summary of Change Orders

Change Order Number	Description	Amount
1	Changes encountered during demolition, i.e. Chlorine Room steel column addition, Chlorine Scrubber electrical panels and fiberglass duct relocation.	\$ 10,055.67
2	Fire alarm panel upgrade and new heater valves.	\$ 3,221.53
3	Electrical conduit replacement for filters #1 through #6 .	\$ 22,414.00
4	Deductive C.O. for replacement of caustic soda spilled by Contractor.	(\$ 1,398.00)
5	Re-routing piping for baseboards heaters and control tubing for cabinets.	\$ 6,853.00
6	Add toe kick to catwalks in the Filter Gallery's 1971 section.	\$ 10,877
7	Supply and install 43 new light fixtures along soffit.	\$ 21,981
8	Roof parapet modifications, caulking in Chlorine Room and basement door relocation.	\$ 4,692.00

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Change Order Number	Description	Amount
9	Filters 1-6 catwalk modifications, additional wood nailer, conduit relocation.	\$ 6,519.00
10	Time extension due to inclement weather.	\$ 0
11	Supply and install aluminum seal plate and break metal.	\$ 5,948.13
12	Sidewalk repairs, additional EIFS.	\$ 10,326.92
13	Time extension request for preexisting conditions encountered during the execution of the work.	\$ 0
14	Labor and materials to correct pre-existing subfloor conditions, additional seismic bracing, painting vestibule, duct relocation, additional seismic bracing.	\$ 54,038
15	Painting skylights wood framing, thermostat relocation, and installation metal threshold.	\$ 16,901.71

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View of the building's roof FRP installation



Stainless steel tubular members reinforcing filters (1974 Phase)

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Installation of steel bracing in Filter Gallery



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Terrazzo architectural elements have been removed and soffit is constructed using materials and methods to withstand seismic accelerations



Concrete shear wall near completion.

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Left: non-structural elements were braced as part of the project.



Right: Shear wall under construction.