
Report on
SWGWTP
Feed Water Pipelines

June 2011

Feed Water Pipelines

Construction of 6.7 miles of feed water pipelines ranging in size from 10-inch to 24-inch in diameter. The pipelines will convey water from seven deep wells located in South Jordan City and the City of West Jordan to the future reverse osmosis Southwest Groundwater Treatment Plant (SWGWT), which is currently under construction.

Included in the project was the repaving of 2700 West, 1300 West, and Gardner Lane in cooperation with the City of West Jordan.

Feed Water Pipelines

Project Manager: Jan Melchior

Engineer: Bowen, Collins & Associates

Contractor: Condie Construction Company

Contract Award Date: April 5, 2007

Original Contract Amount: \$7,201,763

Final Contract Amount: \$8,314,210

Cumulative Change from Original Contract Amount: 15.5%

Changes reimbursable by the City of West Jordan: 12.0%

Project Change Orders

- Change Order #1: \$13,024– Storm drain facilities at Well Site #5.
- Change Order #2: \$766,908 – Asphalt pavement work on 1300 West and Gardner Lane in cooperation with the City of West Jordan. Costs were divided 80% (City) / 20% (JVWCD).
- Change Order #3: \$31,196– Storm Drain system at Well Site #7 and 12-inch waterline loop.
- Change Order #4: (\$28,559)– Credit for changing pipe to pipe with a reduced wall thickness.
- Change Order #5: \$31,278– Change ladder rungs in vault to the District's preferred, safer standard. Cost to cross intersection at 2700 West 10400 South due to a storm drain conflict.

Project Change Orders

- Change Order #6: \$98,355– Replacement waterline on Haun Drive for the City of West Jordan. 100% reimbursable from the city.
- Change Order #7: \$7,548– Remobilization cost to finish storm drain work at Well Site #7.
- Change Order #8: \$92,985– Construction costs due to unknown existing utilities and an alignment change near the District's office on 1300 West which caused additional construction delays and loss of production.
- Change Order #9: \$4,210– Potholing for a City of West Jordan meter station at 6200 South Dixie Drive.

Project Change Orders

- Change Order #10: \$4,285– Potholing to locate and design of connection to the existing 10-inch section constructed during a South Jordan City project.
- Change Order #11: \$119,739– A new air release vault and construction of the pipeline across 1300 West 10400 South via directional drilling methods.
- Change Order #12: \$9,949– Additional air release vault located at 1300 West 8605 South.
- Change Order #13: \$53,022– Cost to identify and fix leaks on the existing 10-inch pipeline from 10400 South to 9000 South along 1300 West. Cost to connect Well Site #2 to the Feed Water Pipeline.

Project Change Orders

Change Order #14: \$15,972– Modify the connection at 9000 South 1300 West.

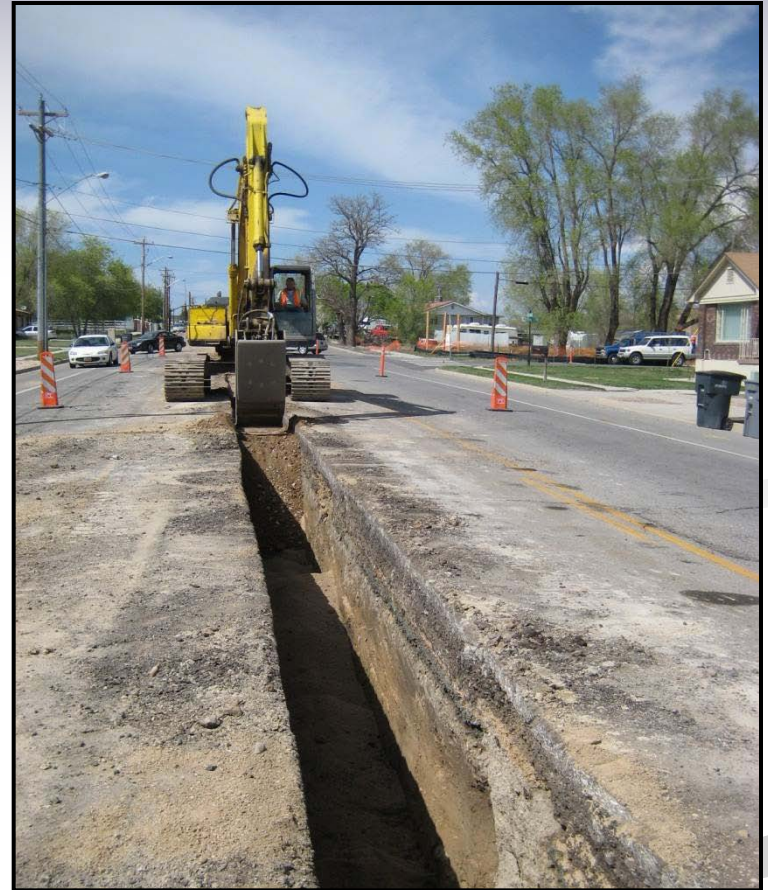
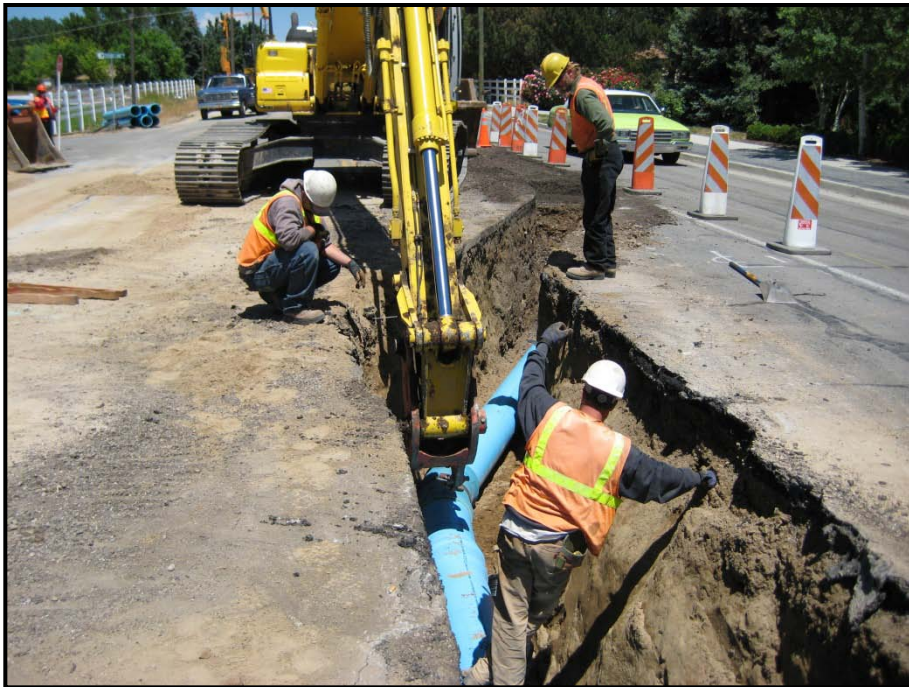
Change Order #15: (\$101,942)– Changes to the asphalt paving schedule due to an increase in paving costs, additional construction costs due to a road failure on 1300 West, and costs for the delay caused by easement acquisition. Overall credit to the Contract.

Change Order #16: (\$5,523)– Reconciliation of quantities for the completed project.

Change Order #17: \$17,135– Additional traffic loops.

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Pipeline installation.



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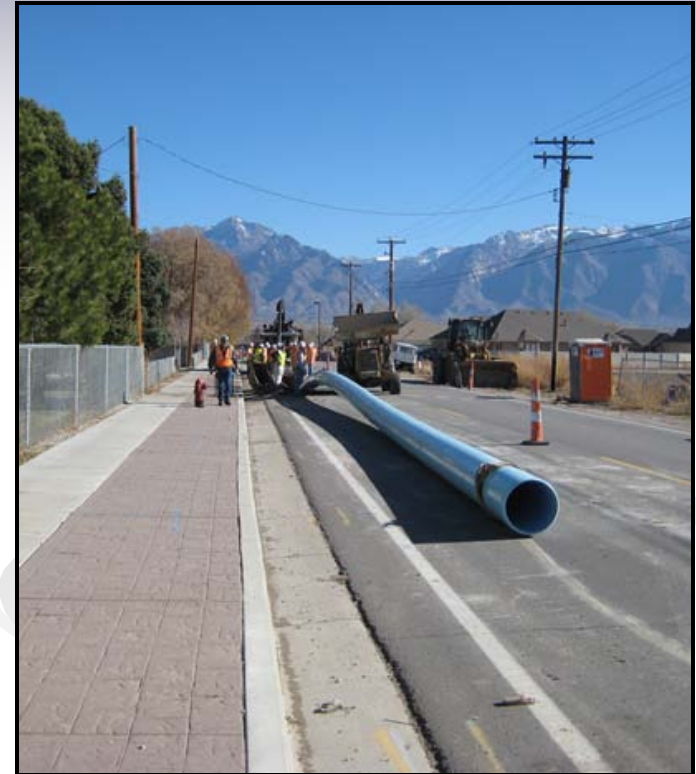
Finished
construction on
1300 West.

Asphalt and overlay
work in cooperation
with the City of West
Jordan



Feed Water Pipelines

Directional drilling equipment for the canal crossings.



Pulling pipe through the drilled space.