



Staff Report

August 3, 2026 Council Workshop Meeting

Change Order #1 Well 6-14 Water Transmission Main

Presenter: Rob Charles, Utilities Manager

Time Estimate: 5 minutes

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BACKGROUND: on Jan 6, 2026, City Council awarded a contract in the amount of \$710,257.76 to SLE, Inc., to construct an 18" water line connection between Wells 6 and 14 which will allow these wells to operate together to allow additional water to be pumped into the distribution system. This project has been ongoing thru design and permitting for 11 years while design, permitting and Right-of-Way issues were worked out with the property owner, Jensen Concrete, and BNSF Railway.

During the preparation of final plans, it was determined that the 18" High Density Polyethylene (HDPE) pipe that was called out in the plans did not have sufficient pressure rating to meet the pressure produced by the wells pumping at the same time. A change to a higher pressure rated pipe was made, but the pipe size was kept the same.

Unfortunately, the higher pressure rated 18" pipe was thicker walled which reduced the inside diameter of the pipe to 13.30 inches which isn't sufficient to convey the volume of water from both wells. The error was not found until the contractor submitted specifications for the HDPE pipe. To correct the problem, the pipe material was changed to ductile iron pipe since HDPE pipe needed to convey the water would have to be 24" in size and is only made to order pipe in this size. The Change Order reflects the cost of using ductile iron pipe for the entire project with a credit for the HDPE pipe.

After bids were opened, an operating valve presentation by Avtek Valves was made to the City. The valve's most significant benefit is that they are more resistant to degradation from chemicals used in water treatment due to electro-statically applied coatings. Since Wells 6 and 14 both have chemical treatment directly at the wells, these valves along the transmission main will not corrode as quickly and will provide more reliability to staff during shutdowns of the line.

SUMMARY: SLE Inc., submitted the piping and valve change pricing to the city. In both change orders the original piping and appurtenances as well as valving was credited back to the city before the costs for the changes were added in to the proposal.

The City would have paid for the cost of the larger pipe, fittings and other appurtenances in the pipe portion of the change order had it been specified that way in the contract documents and plans. WSP Inc., has agreed to pay for the overhead and profit for the change order related to the pipe material change. These are identified as Labor and Materials in the change order spreadsheets. The total cost of the pipe material change is \$183,679.61. Of this amount, WSP will cover \$33,277.39.

The City requested the change to the Avtek valves and would therefore be responsible for the full cost of that change order. The total amount of this requested change is \$40,550.59.



Figure 1: Well 6-14 Water Transmission Line

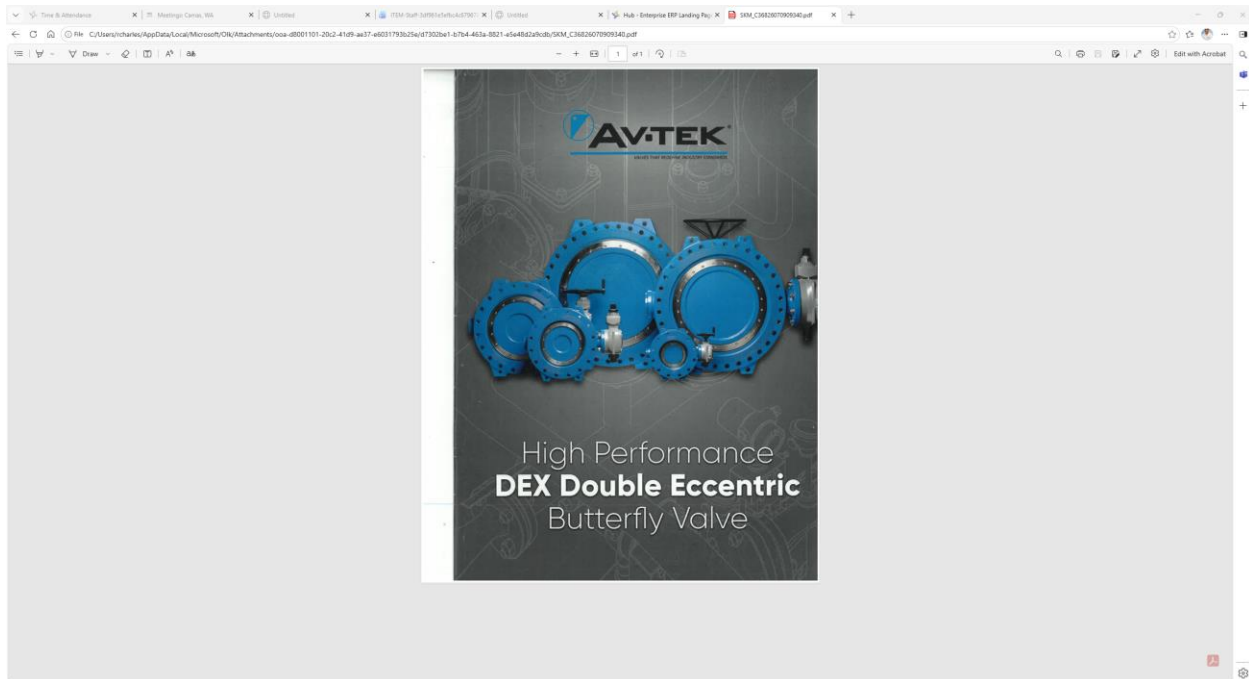


Fig 2: Avtek Valves

BENEFITS TO THE COMMUNITY: Moving additional water into the distribution system from the lower wellfield will help the City better meet the water consumption needs of customers and support additional growth in the community. It will also be one of the projects which will help the City meet short term needs of additional water supply identified in the Water System Plan needed by 2030.

STRATEGIC PLAN: This project aligns with the Strategic Plan Goal of Stewardship of City Assets.

POTENTIAL CHALLENGES: None known.

BUDGET IMPACT: The Well 6-14 Water Transmission Main project is funded through the 2026 Water Fund Capital Budget, with a total project budget of \$1,050,000. The total amount of Change Order No. 1 is \$224,230.20, which includes the pipe material revision and valve upgrades. WSP has agreed to reimburse the City \$33,277.39 for contractor overhead and profit associated with the pipe material change. Following approval of the change order, the project remains within the approved Water Fund capital budget. Staff is also requesting authorization for an additional 5% construction contingency (\$35,513) for any remaining construction change orders.

Budget:

Well 6/14 Waterline Transmission (2026 Capital Budget)	\$1,050,000
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Estimated Construction Expenses:

Construction	\$ 710,257.76
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CCO 1 (32%)	\$ 224,230.20
WSP Credit	(\$ 33,277.39)
Additional Construction Contingency (5%)	\$ 35,513
Construction Engineering Support (Consultant)	\$ 33,000
<u>Construction Management (Staff Time)</u>	<u>\$ 14,000</u>
Total Estimated Construction Cost	\$ 983,723.57

RECOMMENDATION: Staff would recommend that this item be placed on the August 17th, 2026, Council Regular Consent Agenda for Council's consideration.