



**WESTMINSTER**  
COLORADO

**Agenda Memorandum**

Agenda Item – {{section.number}}.D.

City Council Meeting  
October 14, 2024

**Subject:** Authorize the City Manager to Execute a Contract Amendment with CDM Smith, Inc. for the 98th Avenue Potable Water Pipeline and Supporting Utilities Construction Design Services Agreement Associated with the Westminster Boulevard Drinking Water Facility Project

**Prepared By:** Stephanie Bleiker, Capital Projects Administrator

**Recommended City Council Action:**

Authorize the City Manager to execute a second amendment with CDM Smith, Inc. for the 98th Avenue Potable Water Pipeline and Supporting Utilities Construction Design Services Agreement in the amount of \$498,324, for a total authorized amount not to exceed \$1,631,911.

**Summary Statement:**

- The City owns and operates two potable water treatment facilities that supply drinking water to Westminster’s customers: Semper Water Treatment Facility and the Northwest Water Treatment Facility.
- On April 24, 2023, City Council authorized the construction of a new water treatment facility and an engineering design contract with CDM Smith, Inc. (CDM) for the finished water line design.
- As survey and geotechnical subsurface conditions were investigated, CDM identified construction uncertainty and risk that would likely lead to construction delays and change orders.
- As a result, Staff is recommending that the alignment of the water line be changed to avoid risk-prone areas.
- Funds are available for this amendment to CDM’s contract.

**Fiscal Impact:**

\$498,324 in expenditures

**Source of Funds:**

Utility Capital Improvement Fund: Drinking Water Facility – Finished Water Line

**Policy Issue(s):**

Should City Council authorize an amendment to CDM’s design services agreement to modify the design of the finished water pipeline?

**Alternative(s):**

1. City Council could choose not to authorize the contract amendment with CDM and have CDM complete the water line design as originally planned. This would result in a design that would likely lead to avoidable construction difficulties and potential cost overruns.
2. City Council could choose to reinitiate design by requesting new proposals from different engineering firms. This would lead to unnecessary delay, duplication of effort, and expense. CDM was selected as part of a competitive process and CDM’s performance on this project thus far has met expectations.

**Background Information:**

The Westminster Boulevard Drinking Water Facility comprises three major projects that include the following:

1. the two-mile raw waterline that will deliver untreated water from Standley Lake to the Drinking Water Facility,
2. the Drinking Water Facility, and
3. the finished utilities that include a new wastewater collection line exiting the Drinking Water Facility, a new 30-inch treated water line that will connect to the City’s existing water line in Sheridan Boulevard, and fiber optic communications to serve the facility.

Collectively, these are all necessary for the Drinking Water Facility to operate and deliver safe and reliable water.

As the drinking water line reached the 30 percent design milestone, the risks associated with some subsurface conditions came to light. As noted in the April 23, 2023, agenda memo, CDM’s design contract for the 100th Avenue finished water pipeline and supporting utilities was reduced due to the decrease in length and pipe diameter associated with right-sizing the Drinking Water Facility project, which was captured in the first amendment to CDM’s contract. The original alignment was along 100th Avenue and was proposed to go on the downstream side of the South Branch Hylands Creek dam embankment.

Upon further evaluation, Staff directed CDM to consider a new alignment in 98th Avenue. The new alignment will reduce the risk of working in areas with unfavorable subsurface conditions, avoid the risk associated with working near a dam embankment, reduce the impact on wetlands, and improve constructability. The second amendment proposed in this agenda memorandum accommodates changes to the finished water line alignment per the City’s request based on the additional information related to the subsurface conditions and routes the water line along 98th Avenue.

Adequate funds were budgeted and are available for this work.

The 98th Avenue Potable Water Pipeline and Supporting Utilities design amendment supports the City's Strategic Priority of Resilient Infrastructure by delivering reliable drinking water infrastructure that will serve future generations for many decades.

Respectfully submitted,

*Jody Andrews*

Jody L. Andrews  
City Manager

**Attachments:**

Attachment 1 – Second Amendment to the Agreement to Furnish Services to the City of Westminster for 98th Ave Potable Pipeline and Supporting Utilities Project