



TOM WARD, P.E.  
PUBLIC UTILITIES DIRECTOR

MONICA ZOLTANSKI  
MAYOR

SHANE E. PACE  
CHIEF ADMINISTRATIVE OFFICER

MEMORANDUM

To: City Council

From: Tom Ward, P.E., Director *O.R.B* Richard Benham for Tom Ward

Tyler Shelley, P.E., Chief Engineer *TS*

Date: July 6, 2023

Re: Dry Creek 300 West Flood Control Project – Interlocal Agreement

INTRODUCTION AND RECOMMENDATION

The Public Utilities Department has funds available to participate in replacement of the Dry Creek culvert crossing at 300 West. This project will be constructed to convey and maintain the 100-year storm runoff flows in the Dry Creek channel and reduce the potential for storm flows in Dry Creek to back up and spill out of the channel and flood properties in Sandy City and South Jordan City. The Public Utilities Department has been working with South Jordan City (SJC), Salt Lake County (SLCO), and an affected property owner over the last three years to design and jointly fund the project. See the project location below.

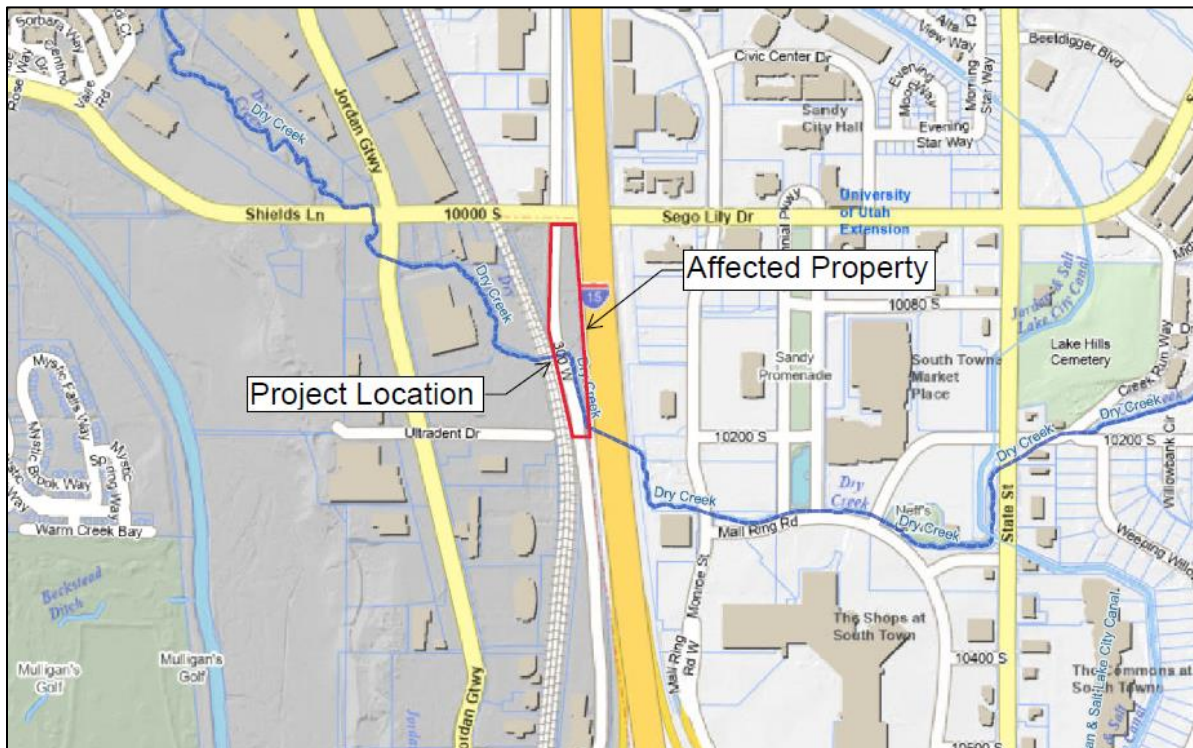
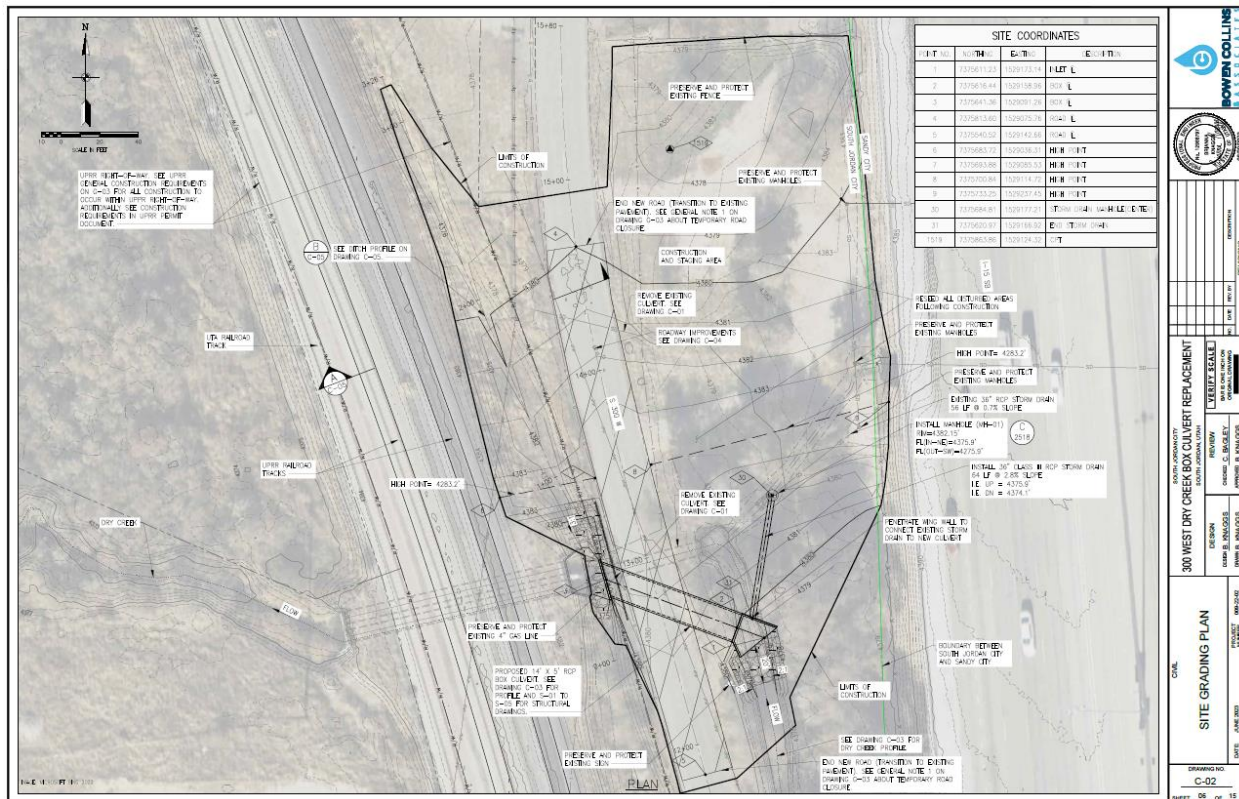


Figure 1 – Project Location

Design of the project is now complete, and joint financial participation has been determined. SJC will manage construction of the project at its own cost and has prepared interlocal agreements for the construction. We are seeking approval from City Council of the interlocal agreement setting forth the terms and conditions of this arrangement as required by the Interlocal Cooperation Act for an improvement project. This includes reimbursement by Sandy City to SJC in the amount of \$170,577.00 (based on the estimated construction costs), which amount is included in the FY 2023 Budget in the Dry Creek Flood and Water Quality budget line item.

## **BACKGROUND**

South Jordan City and Sandy City have worked jointly with the engineering firm Bowen, Collins and Associates (BC&A) to apply to FEMA to update the floodplain mapping along Dry Creek, through South Jordan City and up to the Utah Trax east of State Street, in Sandy City. 300 West was identified as a potential flooding hazard. It was decided to complete the 300 West project prior to completing the remapping efforts. The existing culvert across 300 West is a 5.5-foot x 3-foot box culvert and needs to be upsized to a 14-foot x 5-foot box culvert. To accommodate the new culvert and maintain flows in the creek, improvements are required for the 300 West roadway and the property along the north side of the creek. The following figure shows the overall project improvements.



**Figure 2 – Overall Project**

Below are tasks that have been completed, to allow the project to proceed:

- A Union Pacific Railroad permit was approved.
- Sandy City completed storm drain improvements for the project in the UDOT right-of-way last year to accommodate construction of the project.

- Salt Lake County approved \$300,000 in funding for the project.
- A private property owner completed improvements on his property and agreed to contribute an additional \$50,000 to construction of the project.
- BC&A completed construction design drawings and bidding documents.

Contributions have been agreed upon and South Jordan City has prepared agreements with each entity involved in the project. The cost distributions take into consideration costs that have been incurred to date including engineering fees, construction costs, and permit fees. See the table below.

**TABLE 1 – COST DISTRIBUTION**

<b>Entity</b>	<b>Construction</b>	<b>Costs Incurred</b>	<b>Total</b>
Sandy City	\$ 170,577	\$ 115,272	\$ 285,849
South Jordan City	\$ 270,943	\$ 14,905	\$ 285,848
Property Owner	\$ 50,000	\$ 37,906	\$ 87,906
SLCO	\$ 300,000	\$ -	\$ 300,000
<b>Total</b>	<b>\$ 791,520</b>	<b>\$ 168,083</b>	<b>\$ 959,603</b>

Once the interlocal agreements are executed, South Jordan City will bid the project. We hope that construction on the project will begin in fall of this year. Once construction is completed, an application will be submitted to FEMA to update the floodplain mapping for Dry Creek. This will remove much of the Cairns downtown area along Dry Creek, between I-15 and State and UTA Trax east of State Street, from the floodplain and accommodate future development.

**CONCLUSION**

Completion of the flood control project at 300 West will reduce flooding potential and allow the remapping of the FEMA floodplain along Dry Creek to proceed. A design of the project has been completed, cost-sharing has been determined and funding has been budgeted in the FY 2023 Budget. Once interlocal agreements have been executed, bidding and construction can proceed. We recommend approval of the attached interlocal agreement between Sandy City and SJC.