

## EXHIBIT 1



**CRS ENGINEERS**  
Answers to Infrastructure®

## WORK SCOPE & COST BREAKDOWN UTAH DIV. OF DRINKING WATER FUNDING AGREEMENT

4246 S Riverboat Rd STE 200. Salt Lake City, UT 84123  
o. 801.359.5565. f. 801.359.4272. crsengineers.com

---

July 14, 2023

Richard Benham, P.E.  
Sandy City  
10000 S. Centennial Pkwy. Suite 241  
Sandy, UT 84070

Re: Old Sandy Lead and Copper Rule Revision Support

Dear Richard:

### **Introduction**

The recent Lead and Copper Rule Revisions have required that all City's complete an inventory and review of all services within their water systems to identify any areas that are served by lead service lines, or possibly by galvanized lines that have previously been connected to lead lines. These services must be inventoried and if any lead lines are identified, they must be replaced. This initial effort to identify the lines has triggered several efforts by the City to narrow down the overall number of laterals that need to be replaced by looking at age of development and construction throughout the City. In the process of preparing for this effort, the City applied for grant funding to help with the lead and copper line efforts in some disadvantaged areas. Initial efforts have left the City with thousands of lines to review, but only approximately 700 lines in the disadvantaged area in the older parts of the City between State Street and I-15 near 90<sup>th</sup> South. This proposal outlines our scope to support the City with completing the inventory in this area and identifying if any lead lines exist currently.

Our detailed scope is provided below. This scope includes working with the City to provide mailers, knock doors and in 25 locations, complete potholing and restoration on service lines to verify line types. We propose to complete the inventory of these areas, shown in the attached map, for a fee of \$94,500. Our detailed breakdown of tasks is provided below. At the end of each task, we will provide the information needed for the City to update their GIS mapping and eliminate the areas that have been inventoried and completed.

### **Scope**

#### **Task 1- Initial Notification and Reporting \$18,000**

CRS will work with the City to prepare mailers and send out the notices to residents. We will also prepare door hangers and hand deliver the hangers throughout the 700 homes. These mailers and door hangers will provide a website that will walk residents through the concerns of lead lines and how to test for and identify lead lines in their homes. The information will also allow them to directly report the type of material they find online or through a phone call or text message.

#### **Task 2- Public Direct Outreach - \$22,500**

After allowing 2-3 months of self-reporting from the mailers and door hangers, we will reach out to remaining homes that have not responded online by knocking individual doors and requesting that they complete the self-inspection and testing while we are at their homes. After this round of outreach, we will identify areas that may need additional testing including potholing.

Task 3- Potholing- \$32,500

CRS plans to pothole at least 25 locations to verify lateral line material. These locations will be strategically chosen with the City throughout the area. This fee anticipates all potholing will be completed in landscaped areas and includes surface restoration, but does not include any hardscape potholing or restoration.

Task 4- Final Inventory Report - \$14,500

This task will include incorporation of all data into a final inventory and GIS shapefile that identifies each lateral type. It is possible that not every lateral will be tested and information from surrounding properties will be used to infer lateral types and justification will be provided for these locations.

Task 5- Project Management - \$7,500

This task includes coordination meetings with the City and other general project management such as invoicing and coordination with regulatory agencies.

**Schedule**

The entire project will be completed within 5 months of notice to proceed.

If you have any questions, please feel free to reach out to me directly at (801)556-1765.

Sincerely,

**CRS Engineers**

Mark Chandler, PE  
Project Manager

Acceptance

\_\_\_\_\_  
First Last, Title

\_\_\_\_\_  
Date

cc  
Project File