



LSPS Solutions, LLC

203 Windwood Lane

Victoria, Texas 77904

361 / 212-8243

October 3, 2023

Mr. Brandon Pritchett
Public Utility Director
City of Pflugerville
15500 Sun Light Near Way #B
Pflugerville, Texas 78660

Re: Proposal for Completing a Study of the City of Pflugerville's Water System Service Lines and Preparing a Service Line Inventory to Comply with the USEPA's Revised Lead and Copper Rule

Mr. Pritchett,

Thank you for allowing me the opportunity to propose on completing the study of the City of Pflugerville's water system service lines and preparing a Service Line Inventory to comply with the USEPA's new Revised Lead and Copper Rule.

This provision of the new Revised Lead and Copper Rule requires all community and non-transient, non-community water systems to prepare a lead service line inventory and submit it to the TCEQ by October 16, 2024. The inventory must include all services connected to the public water system and it must include information about the service on both the public and privately owned portions of the service.

LSPS Solutions, LLC is currently performing a LSL Inventory for the City of Lake Jackson, Texas and, so far, we have successfully identified 5,000 of their 10,000 service lines. We are also performing this same work for the City of Centerville, the City of Hallettsville, the City of Madisonville, Markham MUD, and the City of Bay City.

We understand that the City of Pflugerville has partially conducted this study by inventorying the public side of the service lines and conducting the records review portion of the private side of the services. The scope of work that remains, and that you have asked LSPS Solutions, LLC to propose on, consists of performing the field evaluation of the private side of the service lines and then completing the TCEQ Form 20943 using the data acquired during the field evaluation.

With that scope of work in mind, we are pleased to provide you the following proposal:



Proposal

LSPS Solutions, LLC proposes to perform the following work activities to successfully complete a service line inventory for the City of Pflugerville to comply with the Revised Lead and Copper Rule:

- Using the information we obtain from the partially completed TCEQ Form 20943 that the City of Pflugerville has already assembled, LSPS Solutions, LLC technicians will prepare an upload file for the service lines with as much of the final information as possible already populated.
- LSPS Solutions, LLC technicians will then upload the account/service and any other information we have gathered into our P.L.A.N.I.T. app and create an electronic notebook within the app for the City. Each service address or meter location will become a note within the notebook and will have an electronic data collection template attached to it.
- LSPS Solutions LLC staff will then begin making trips to the project sites and collecting or verifying the field data for each of the remaining service lines and entering that data into the electronic templates. To collect the data, the field technicians will use either visual verification, (if the service line can be seen from within the meter box), or a combination of two different types of metal detectors to determine if the lines on either side of the meter are metallic and if they are, what metal they are constructed of.
- Once the service line material on the private side of the meter is determined, the service lines will be categorized and entered into the electronic template as one of the following EPA categories:
 - Lead
 - Not Lead
 - Galvanized Requiring Replacement
 - Lead Status Unknown
- LSPS Solutions GIS Technicians will export the field collected data into the management tool files and will begin geo-referencing the infrastructure.
- Once the draft deliverables are prepared, LSPS Solutions technicians will conduct a quality control check on the finished products.
- LSPS Solutions technicians will then create the final deliverables for the project.



Deliverables

LSPS Solutions, LLC will deliver to the City an external hard drive containing the following electronic files each containing the following:

1. A completed form TCEQ-20943 for submittal to the TCEQ.
2. A Google Earth .kmz file showing the location of the water meters and the service line information collected.
3. A GIS shape file showing the location of the water meters and the service line information collected.

Fee

LSPS Solutions, LLC agrees to perform the above referenced services for the City of Pflugerville for the unit costs shown in the following table:

Task	Unit Price
Initial File Creation, GIS Map Creation, Data Population, and Upload	\$3.00 per Service Line
Field Data Collection of Verification and Data Population	\$38.00 per Service Line
Final Export, Creation of Deliverables, QC Check, Edits, etc.	\$3.00 per Service Line
Price per Service Line for all Tasks	\$44.00 per Service Line

Based on the preliminary count of services provided by the City and shown in the table below, the estimated project total for this project is ~\$139,706.00.

Estimated Quantity	Task	Unit Price	Totals
3,175	Initial File Creation, GIS Map Creation, Data Population, and Upload	\$3.00 per Service Line	\$9,528.00
3,175	Field Data Collection of Verification and Data Population	\$38.00 per Service Line	\$120,650.00
3,175	Final Export, Creation of Deliverables, QC Check, Edits, etc.	\$3.00 per Service Line	\$9,528.00
Grand Total			\$139,706.00



Assumptions

The fee quoted above is based on the following assumptions:

- This proposal does not include digging or potholing to field verify service line materials. If records do not exist to determine the materials used to construct a service line and the service line cannot be seen from within the meter box, then metal detectors will be used to determine the materials used to construct the service line. TCEQ has not approved the use of metal detectors to verify the material of construction for service lines and, as a result, they require these service lines to be marked as “Unknown-Likely not Lead”.
- If the service line is under concrete or asphalt for the entirety of its length, and the type of material used to construct the service line cannot be determined without breaking concrete, this service will be marked as “Lead Status Unknown”.
- LSPS Solutions intends to use a TerraGo P.L.A.N.I.T. mobile app, Diamond Maps (GIS software application), Google Earth, Google Chrome, and Microsoft Excel for the development and use of the management tools described in this proposal.
- LSPS Solutions, LLC will not, however, be providing or installing any computer hardware or software on the City's network as part of this project.
- LSPS Solutions, LLC will be uploading the completed portion(s) of the assessment as a GIS Shape File onto the Diamond Maps platform on a monthly basis while performing the inventory and will provide complimentary “View Only” access to that data to the City during the inventory process.
- This proposal assumes that the infrastructure, (water meters), for which field data collection must be performed is readily accessible and visible. LSPS Solutions will make a reasonable attempt to locate the infrastructure, but if LSPS Solutions staff cannot access the infrastructure, City personnel will be notified and will be responsible for locating the infrastructure and making it readily accessible.
- The City staff will work cooperatively with LSPS Solutions, LLC staff in an effort to get the project completed to the satisfaction of all parties to the contract.



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Terms

LSPS Solutions, LLC will invoice the City of Pflugerville during the last week of each month for the portion of the work completed during that month. The City of Pflugerville agrees to make payment on the invoice within 30 days of receipt of the invoice.

Upon your review of this proposal, should you have questions or concerns regarding this matter, please contact me at 361 / 212-8243. I look forward to working with you and your staff on this very important project.

Sincerely,

Lynn Short, President