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October 23, 2023

PROPOSAL

Inframark, LLC
Vanessa Chapa
Compliance Manager
2002 West Grand Avenue Parkway North
Suite 100
Katy, Texas 77449

Via email: vanessa.chapa@inframark.com

Re: Proposal for Lead and Copper Rule Revised Service Line Inventory: Phases I and II for the City of Hillshire Village
LJAES047-23351

Dear Vanessa:

At the request of **Inframark, LLC** ("Client"), LJA Environmental Services, LLC ("LJA") has prepared this proposal to provide environmental services for a Lead and Copper Rule Revised Service Line Inventory.

Scope of Work and Cost Estimate

LJA proposes to provide the services listed below. A detailed scope of work for each task is provided in Attachment A. Proposed costs are fixed fees, to be billed on a percent-complete basis.

- Task I) Phase I LCRR: Desktop Analysis..... \$5,000.00
 - Task II) Phase II LCRR: Field Inspections \$35,300.00
- TOTAL ESTIMATE \$40,300.00**

Extraneous circumstances that could potentially impact this Proposal, including agency coordination or review, accessibility, unforeseen circumstances, design changes, and state or federal regulatory changes, may also affect project costs which are not included in this estimate. This proposal and cost estimate are valid for 90 days.

Schedule

The proposed scope of work is anticipated to be complete within six (6) months of receipt of an executed proposal and boundary survey/plat or other suitable property boundary. The project completion schedule is the goal of all parties; it does not, however, reflect unusual delays due to forces beyond the Consultant's control and/or modifications to the scope of work based upon actual findings or additional requests by the Client, its agents, or governmental agencies.

Information Needs

- Connection address list from the billing department, Consumer Confidence Report, etc.
- Existing GIS data or access to the data
- Access to Historical Records

Terms and Conditions

LJA proposes to conduct these efforts per the terms and conditions of its 2021 Professional Services Agreement with Inframark, LLC. If this proposal is acceptable, please complete, sign, and return the Proposal Acceptance Form (page 3), along with the information requested above ("Information Needs").

LJA appreciates the opportunity to provide environmental consulting services for this project. Should you have any questions about this proposal, please contact me at (281) 239-5181, or dschlitzkus@lja.com.

Sincerely,



Dyer Schlitzkus
LCRR Program Director



Susan Alford, REM, ENV SP
President

Attachment:

A – Detailed Scope of Work

Signature Page Follows

Proposal Acceptance and Right of Entry

Client authorizes LJA to commence services upon execution of this Agreement. Client and LJA agree that this Agreement, the Proposal, and any attachments incorporated herein by reference (the "Agreement") constitute the entire Agreement between the parties. The signatory below also represents that the Client has, or has secured, the legal authority to grant permission for LJA's personnel to enter the subject property, as necessary, to conduct project activities, and that such permission is hereby granted to LJA by execution of this Agreement. If Client is a Corporation, Partnership, or other business entity, the individual signing below warrants that they have the authority to bind and to sign on behalf of the Client.

Project: Lead and Copper Rule Revised Service Line Inventory: Phases I and II for the City of Hillshire Village

- Task I) Phase I LCRR: Desktop Analysis..... \$5,000.00
- Task II) Phase II LCRR: Field Inspections \$35,300.00

TOTAL ESTIMATE \$40,300.00

Accepted by Client:

Organization (Legal Name)

Signature

Mailing Address

Printed Name

City, State, ZIP

E-mail Address

Phone

Date

Billing Contact:

Printed Name

E-mail Address

Please provide:

- Your project name, if different from above: _____
- Your P.O. or project number, if applicable: _____
- Project Owner/Sponsor (required if public project): _____

ATTACHMENT A

TASK 1

Phase I – LCRR SLI Desktop Analysis

LJA proposes to initiate a Phase I – LCRR SLI desktop analysis for the Client. Specifically, LJA will create a custom, secure, real-time, online GIS platform to host and update the project information. Our team will work with and coordinate with the Client to upload existing GIS data to the platform. Connection points will be populated into the “Detailed Inventory” tab of the Texas Commission on Environmental Quality (TCEQ) SLI for Public Water Systems (RG-593/ Form 20943) to create the service line list. Service lines constructed in and after 1989 will immediately be listed as “Non-Lead” on the table, thus reducing further analysis and efforts. Additionally, LJA will assess the amount and types of other hard copy and electronic data (e.g., meter replacement data, engineered drawings, connection reports, hard/electronic files, etc.) to be reviewed and uploaded to the platform to determine an effort level and cost with completing the Historical Records Review portion of the LCRR SLI, as necessary, and to further reduce supplementary analysis and efforts. These efforts conducted under Phase I are proposed to ultimately determine Phase II – SLI Field Investigations scope and cost estimate on the remaining pre-1989 service lines and where prior data does not exclude lead pipes. All data will be reviewed for QA/QC. LJA will also provide general regulatory and compliance management support for the LCRR program throughout the project.

Deliverables will involve the following tasks:

1. Create a secure, custom, online web dashboard of the entire distribution system;
2. Provide unlimited users, so that the City of Hillshire Village can track progress and make recommendations;
3. Contact the County CAD offices and receipt of parcel boundaries;
4. Delineate data to the specific system/property boundaries;
5. Document structure build dates;
6. Sort data pre-1988 and post-1989;
7. Document service lines and mains constructed in/after 1989 as “Non-Lead” and exclude from further analysis;
8. Upload current and existing GIS files (from the City of Hillshire Village) of the distribution systems, service addresses, meter locations, etc.;
9. Initiate the service line inventory table, via metadata/attributes within the online mapper;
10. QA/QC of data;
11. Provide regulatory and compliance support for the LCRR program;
12. As necessary, scope completing the Historical Records Review based on a determination of the amount and types of existing records the City of Hillshire Village has retained over the years; and,
13. Scope pre-1988 sites for infield investigations and make a determination of true effort/cost for digging/potholing task (Phase II).

TASK 2

Phase II – LCRR Field Inspections

LJA proposes to initiate Phase II – LCRR Field Inspections for the Client. Specifically, LJA will investigate service line material types at meter locations determined to be installed prior to January 1, 1989. It is assumed approximately 353 service lines will be required to have investigations on both (system- and customer-owned) sides of the meters. Therefore, LJA is calculating up to 353 connections to be included under Phase II – Field Investigations.

LJA crew(s) will travel to the locations to investigate service line material types on both the public and private sides of the meter boxes, or as necessary. Crews will inspect the system within the meter box, and if the material types are not able to be determined, will hand dig an approximate 6-inch hole on either or both sides of the box to expose the pipe materials. Magnetic and scratch inspection tests will be completed, photographs taken, data recorded on the online GIS platform, and the water line will be re-covered with the dig material. Data collected will be utilized for population into the “Detailed Inventory” tab of the Texas Commission on Environmental Quality (TCEQ) SLI for Public Water Systems (RG-593/ Form 20943) to further complete the service line list. All data will be reviewed for QA/QC. LJA will also provide general regulatory and compliance management support for the LCRR program throughout the project.

After completion of this Phase, LJA will be able to provide the Client with the locations of galvanized requiring replacement (GRR) service lines, lead service lines, and any problematic locations not able to be inspected.

Deliverables will involve the following tasks:

14. A completed draft SLI table, via metadata/attributes within the online mapper;
15. QA/QC of data; and,
16. Provide regulatory and compliance support for the LCRR program.

Assumptions:

1. This proposal assumes all meter locations and lines are accessible. This proposal does not include additional field efforts that may be required where there are problematic locations, for example, concrete, fences, homeowner/tenant disapproval, and other obstacles preventing crews from conducting the inspections. Such locations will be documented accordingly, and crews would need to return to these sites under a separate scope and estimate.
2. If necessary, LJA may need a City of Hillshire Village employee to assist with problem areas and/or where meter box locations cannot be located.