



## MEMORANDUM



**To:** Scott Niehaus, Village Manager  
**From:** Brian Jack, Utilities Superintendent  
**Through:** Carl Goldsmith, Director of Public Works  
**Date:** July 13, 2022  
**Subject:** FY 2022 Water Distribution System Leak Detection Survey

### **Background**

The Village typically performs an annual leak detection survey on the water distribution system each year of approximately 184 miles. Annual leak detection surveys are considered essential in water conservations and for reducing non-revenue water loss. Historically leak detection surveys pinpointed leaks with an average daily water loss of 50,000 gallons per day. If left alone, these leaks would equate to \$259.00 per day or \$94,535.00 (\$5.18 per 1,000 gallons purchase cost) annually.

Additionally, crews will correlate the location of water leaks prior to excavating when the location of the leak is not certain. Many factors influence the path the water takes before it surfaces such as geotextile fabric under the pavement, frost, following a trench line or pipe, etc. so the water may not surface in the location of the leak. At times, leak detection firms will be called to assist in locating difficult leaks when in-hose crews cannot locate with our equipment. Using leak detection services prior to excavating shortens the length of time to find and repair the broken pipe and reduces the size of the excavation which minimizes the cost of restoration.

Four firms were solicited to submit a proposal for a leak detection survey for the full water distribution system. Two firms submitted qualifying proposals and two firms not submitting. Proposal results are listed below:

Firm	Proposal	Reason for not Submitting or Disqualified
Water Services Co.	\$27,600.00	N/A
M. E. Simpson Co., Inc.	\$42,320.00	N/A
Associated Technical Services LTD		No Submittal
Wachs Water Services - Xylem		No Submittal

Water Services Co. is a highly respected service provider in the water industry and has performed multiple leak detection surveys in surrounding communities. Water Services Co. also performed the installation of water meters during the Water Meter Replacement Program in 2018/2019 for the Village with excellent performance. The proposal submitted meets the requirements set forth in the scope in regards to reporting, GPS locating of leaks found, and integration of results into Cartegraph.

### **Recommendations**

Staff recommends and requests the Board of Trustees award a contract for the Water Distribution System Leak Detection Survey to Water Services Co. of Elgin, IL in an amount not to exceed \$27,600.00 at the July 21, 2022 meeting.

DATE	8-Jul-22																
TIME:	3:00 PM																
DOCUMENT #	PWU																
DOCUMENT NAME:																	
2022 Water Distribution Leak Detection Survey		NAME & ADDRESS OF BIDDER															
		EXCEPTIONS															
NO	ITEM	QUANTITY	UNIT PRICE	TOTAL	QUANTITY	UNIT PRICE	TOTAL	QUANTITY	UNIT PRICE	TOTAL	QUANTITY	UNIT PRICE	TOTAL	QUANTITY	UNIT PRICE	TOTAL	
1	Leak Survey; including all leak location fees; All inclusive Lump Sum Proposal	184.00		N/A	184.00		N/A	184.00			184.00			184.00	\$150.00	\$27,600.00	
ALT	Detection Phase	184.00		\$0.00	184.00		\$0.00	184.00		\$0.00	184.00		\$0.00	184.00		\$0.00	
	Location Phase per pinpointed mainline or service line leak	1.00			1.00			1.00			1.00		\$0.00	1.00			
	Location Phase per pinpointed fire hydrant or valve leak	1.00			1.00			1.00			1.00		\$0.00	1.00			
TOTAL				\$0.00			\$0.00			\$0.00			\$42,320.00			\$27,600.00	

# VILLAGE OF LOMBARD

## CONTRACT DOCUMENT

### FY 2022 Water Distribution System Leak Detection Survey

This agreement is made 21<sup>st</sup> day of July, 2022 by and between, and shall be binding upon, the Village of Lombard, an Illinois municipal Corporation hereinafter referred to as (the "Village") and Water Services Co. of Elgin, IL hereinafter referred to as (the "Contractor").

Witnesseth That in consideration of the mutual promises of the parties delineated in the Contract Documents, the Contractor agrees to perform the services and the Village agrees to pay for the following services as set forth in the Contract Documents:

Leak Survey, including leak correlations for 184 miles of water main  
not to exceed \$27,600.00 for FY 2022

1. This Contract shall embrace and include all of the applicable Contract Documents listed below as if attached hereto or repeated herein:
  - a. Specification and Contract Document for Water Distribution System Leak Detection Survey consisting of the following:
    - i) Cover Sheet
    - ii) Table of Contents
    - iii) Invitation to Bid on Contract Document
    - iv) General Terms, Conditions and Instructions
    - v) Specific Terms, Conditions and Instructions and Blue Prints
    - vi) Bid Proposal Form
    - vii) Specifications and Specification Deviation Form
  - b. The Contractor's Bid Proposal Dated July 8, 2022.
  - c. Required Performance and Payment Bonds and Certificate of Insurance
2. The Village agrees to pay, and the Contractor agrees to accept as full payment for the services which are the subject matter of this Contract the total sum not to exceed \$27,600.00 paid in accordance with the provisions of the Local Government Prompt Payment Act and the provisions of the Contract Documents.

3. Contractor shall not delegate the duties involved in the performance of the services which are the subject matter of this Contract without the written approval of the Village.
4. This Contract represents the entire agreement between the parties and may not be modified without the written approval of both parties.
5. Where the terms of this Contract conflict with the provisions of the Contract Documents, the Contract Documents shall be binding.

IN WITNESS WHEREOF, the Village of Lombard, Illinois by Scott Niehaus, Village Manager, and the Contractor have hereunto set their hands this 21<sup>st</sup> day of July, 2022

If an individual or partnership, all individual names of each partner shall be signed or if a corporation, an officer duly authorized shall sign here:

Accepted this \_\_\_ day of \_\_\_\_\_, 20\_\_.

Individual or Partnership \_\_\_\_\_ Corporation \_\_\_\_\_

\_\_\_\_\_  
By Position/Title

\_\_\_\_\_  
By Position/Title

\_\_\_\_\_  
Print Company Name

THE VILLAGE OF LOMBARD, ILLINOIS

Accepted this 21<sup>st</sup> of July, 2022.

\_\_\_\_\_  
Keith Giagnorio  
Village President

Attest:

\_\_\_\_\_  
Elizabeth Breezinski  
Village Clerk

**EXHIBIT A**  
**VILLAGE OF LOMBARD**  
**CONTRACTOR'S CERTIFICATION**

\_\_\_\_\_, having been first duly sworn, depose and states as follows:  
(Officer or Owner of Company)

I am the \_\_\_\_\_ for \_\_\_\_\_,  
(Title) (Name of Company)  
(the "Contractor"), which has submitted a proposal for \_\_\_\_\_,  
(Name of Village project)

to the Village of Lombard and, having personal knowledge of the matters certified to herein, and being authorized by the Contractor to make the certifications set forth herein, hereby certifies that said Contractor:

1. has a written sexual harassment policy in place, in full compliance with 775 ILCS 5/2-105(A) (4);
2. is not delinquent in the payment of any tax administered by the Illinois Department of Revenue,  
or if it is:
  - a. it is contesting its liability for the tax or the amount of tax in accordance with procedures established by the appropriate revenue Act; or
  - b. it has entered into an agreement with the Department of Revenue for payment of all taxes due and is currently in compliance with that agreement;
3. is in full compliance with the Federal Highway Administration Rules on Controlled Substances and Alcohol Use and Testing, 49 CFR Parts 40 and 382, and that

\_\_\_\_\_  
(Name of employee/driver or "all employee drivers")

is/are currently participating in a drug and alcohol testing program pursuant to the aforementioned rules; and

4. is not barred from contracting with any unit of state or local government as a result of a violation of either Section 33E-3 or 33E-4 of Article 33E of the Illinois Criminal Code of 1961.

By: \_\_\_\_\_  
Authorized Agent of Contractor

Subscribed and sworn to  
before me this \_\_\_\_\_  
day of \_\_\_\_\_, 2022.

\_\_\_\_\_  
Notary Public