RESOLUTION NO. 2026-12
A RESOLUTION OF THE MARCOLA WATER DISTRICT AWARDING A CONTRACT TO AMERICAN LEAK DETECTION FOR A FULL SYSTEM SURVEY OF THE MARCOLA WATER SYSTEM

WHEREAS, Marcola Water District is a domestic water supply district organized under Oregon Revised Statues (ORS) Chapter 264, and ORS 264.410 provides that "the power and authority given to districts is vested in and shall be exercised by a board of five commissioners, each of whom shall be an elector of the district, and the Marcola Water District Board of Commissioners also serves as the Local Contract Review Board (LCRB), and

WHEREAS, the District Board and LCRB adopted Resolution 2023-16 which amended Oregon Administrative Rules (OAR) 137-047-0265 for the District, allowing the Award of a Contract as a Small Procurement pursuant to ORS 279B.065 by direct selection or award without any competitive or solicitation process as long as the procurement of goods or services is less than or equal to $25,000, and

WHEREAS, American Leak Detection proposed to inspect 4.3 miles of main line and 225 connections, estimating two 8-hour days at $1,850 per day for a total cost estimate of $3,700 with a requirement that the district provide a knowledgeable person to assist and Rainbow Water District is able to provide an operator to support this project, and

WHEREAS, funds will be paid from the adopted Materials & Services budget for FY 2026-27, using money budgeted but not needed or used for a financial audit, and

NOW THEREFORE BE IT RESOLVED that the Marcola Water District LCRB and Board of Commissioners awards a contract to American Leak Detection to a full system survey of the Marcola water system, and authorizes the expenditure of $3,700 for this contract plus additional funds for support from Rainbow Water District.

ADOPTED by a vote of _____ Yes votes and _____ No votes this 10th day of August 2026.

Attest:

Tim Sanders, President Board of Commissioners Local Contract Review Board	Dawn Cole, Secretary Board of Commissioners Local Contract Review Board

June 16, 2026

Via email: eric@rwdonline.net

Attn: Eric Carlson
Rainbow Water District
Assistant Superintendent
541-954-9941

RE: Leak Detection Survey City of Marcola, OR

American Leak Detection will provide all labor, equipment, materials, and incidental expenses for the following price based on the information you provided. Should actual conditions or mileage differ it may be necessary to discuss adjusting our rate appropriately.

Survey Area:	Full System Survey, 4.3 miles of main line & 225 Connections
Leak Type:	Main Line on City water system
Daily Rate:	$1,850.00
Number of days:	2
Travel:	N/A
Per Diem:	N/A
TOTAL COST:	**$3,700**

This bid is based on the following information:

- City will provide accurate, detailed information regarding location of lines to be surveyed, size and type of lines valve locations and access points, if available.
- City will provide one knowledgeable person to assist during the leak survey.
- Daily rate covers the cost of one technician working 8 hrs. during normal business hours.
- The price includes all reports as outlined and there will be no charge for follow-up phone calls or consulting time.

Please see attached detailed information. We look forward to working with you.

Scope of Work

American Leak Detection (ALD) will provide leak detection and survey on the water system for the City of Marcola (City) for two (2) days.

A leak survey consists of using acoustical listening equipment along with leak correlation, ground micing, pipeline locating, and using inert test gases (helium and nitrogen) approved by the AWWA as the approved test gas needed for testing the system and locating leaks.

The survey will record any leaks, irregularities or defects that may need to be addressed to maintain the integrity of the water system. A comprehensive report will be submitted upon completion, which will identify leak locations, aid in prioritizing repairs and provide a record for future maintenance.

Initial Survey

The initial survey will be performed with a survey tool (listening device) to listen at all accessible contact points such as fire hydrants, valves, air vacs, curb stops, meters, and any available pipe. Normally contact points will be at intervals no greater than 350 feet. Our goal is to be as thorough as possible and to find all leaks. ALD does not perform only hydrant-to-hydrant testing unless requested to do so by the District. The leak survey will begin at a pre-determined location and proceed, section by section, until all requested pipe sections are surveyed and suspected leak areas noted.

If good contact is not available, a highly sensitive ground mike device will be used making physical contact to the ground over the pipe at intervals no greater than 6 feet. If ground cover is not of a hard surface, probe rods will be used at intervals of 10 feet. If ambient noise on a certain section during day times hours interferes with survey effectiveness, that section will be scheduled to be performed at night. During the survey process, high leak signal areas will be prioritized and reinvestigated before the pinpointing process is started.

Estimates survey time / distance per day on metallic systems such as Steel, Galvanized, Ductile Iron, Cast Iron and Copper is an average of 3-5 miles per day. For non-metallic systems such as PVC, C-900, Poly, C/A (asbestos cement) and cement lined cast iron, ground micing may be needed every 4-6 feet to see if leak(s) can be heard averaging 2-3 miles per day.

ALD requires that the City provide one knowledgeable person on-call as needed to assist during the leak survey. The employee will be responsible for the following:

- Help technician in the placement of the sensor on the pipe.
- Offer information on the pipe size, type and layout.
- Act on behalf of the utility for public relations.
- Open or close PRVs, related valves, fire hydrants or customer service valves.
- Help direct traffic if needed and help insure the safety of all.

Pinpointing Leaks

As leaks are heard during the survey, leak correlation will be performed by setting up correlator sensors at valve, hydrants, or any point of contact. Data such as pipe distances between sensors, pipe type and diameter of each segment, will be collected. This information will be entered into the correlator's main unit, and then put through a series of filters to help determine the location of a leak. A correlator must hear leak noise to locate a leak. The ability to hear leak noise and locate a leak depends on the pipe material and size of the leak. Accurate pipe data is crucial to the correlation process.

Individual leak locates average about thirty minutes to one hour each, if there is no interference. The length of time for the pinpointing process will be determined by the number of correlator set-ups are required to confirm each leak. We normally perform at least two different set-ups to confirm each leak location.

Ground micing will be performed to assist in confirming leaks and will also be used to listen to segment of the distribution lines that are A/C, C-900 and plastic/poly. Ground micing on the surface above these lines will be performed every 4-6 feet. These are low frequency materials that do not allow leak sound to travel great distances and leaks can be difficult to hear.

Pipe line locating will be used as needed to assist with locating leaks. Line locators work only on metallic materials such as steel, copper, ductile iron, and cast iron, depending on the type of connections. Rubber connecting joints can hinder electrical currents from traveling any great distances.

Inert test gas and electronic inert gas detection equipment may be used as needed to help identify the location of leaks. This will help locate small leaks or leaks that are not producing enough leak noise to be heard by other listening devices due to pipe material, soil, and the position and type of leak.

If leak(s) are being difficult to detect due to distance, pipe material, size of leak or other factors, valving off certain segments, pot holing at certain dedicated distances and increased pressure may need to be coordinated with system to help identify leak locations. This is a last resort of testing but under certain circumstances could be the only way of narrowing the leak location.

Leak Report

ALD will use daily worksheets to identify all points of contact and sections tested. If available, we will use a copy of the system map to highlight all tested areas, indicate location of leaks and identify any areas of concern.

Results vary greatly depending on the pipe type and age, system pressure, bedding materials and the total percentage of non-revenue water. ALD will provide a very thorough leak survey by listening to every accessible contact point. All daily testing results, leak locations, estimated size of leaks, and the total number of leaks found will be entered into a final report for documentation of the survey.

Project Schedule

The City will contact American Leak Detection at least 30 days in advance for scheduling the survey.

Qualifications

American Leak Detection of Oregon been in operation for over 20 years. In that time we have successfully served many municipalities, water districts and large industries throughout the region. Projects have ranged from a few hours to weeks and all have included thorough reports and follow-up. As members of professional organizations such as OAWU, AWWA, and LOC, we are keenly aware of the needs of the water districts and municipalities in our area.

We have completed surveys on many water systems throughout the state of Oregon and SW Washington and we also provide on-going leak detection service to a multitude of cities on an “as-needed” short term basis.

We provide emergency response service 7 days a week 24 hours a day. We are readily available and will to return for confirmation of a specific leak location or additional pipe sections after completion of the initial survey. We take a great deal of pride in our business and strive to provide not only the best leak detection service, but also the best customer service and follow-up available.

Payment terms:

Our terms are net 30 days from date of completion.

PROPOSAL SUBMITTED BY:

Justin Turlak
Operations Manager/ Municipal Specialist
541/953-9650 (c)
888/777-5325
Jturlak@americanleak.com
www.americanleakdetection.com

PROPOSAL ACCEPTED:

Please sign below indicating acceptance of our proposal and return email to Jturlak@americanleak.com. We will contact you about scheduling.

_____ _____

Signature Date

Print name and title:_____