

# City of Deadwood, SD, Leak Detection Proposal

## Water Distribution System Leak Detection Services

April 16, 2026

**Presented by,**

**Rocky Mountain Leak Detection, LLC**

710 E Fridley St  
Bozeman, MT 59715  
406-581-0928  
kevin@rmleakdetection.com



**Presented to,**

**City of Deadwood**

Attn: Steven Murphy  
67 Dunlop Ave  
Deadwood, SD 57732  
605-578-3082  
steven@cityofdeadwood.com



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### **Proposal for Non-Invasive Leak Detection Services – City of Deadwood Water System**

Dear Steven,

Rocky Mountain Leak Detection is pleased to submit this proposal to provide professional non-invasive leak detection services for Deadwood's water distribution system. With our extensive experience in leak detection technologies, we are confident in our ability to successfully deliver a thorough and cost-effective leak investigation that meets the City's expectations.

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## 1. Project Understanding

The City is seeking a qualified contractor to perform non-invasive leak detection throughout the entire municipal water system. The scope includes:

- Provided information from a previous leak survey shows 243 main valves, 196 hydrants and 113 services.
  - As requested, this proposal is for an acoustic leak detection survey of the water main valves throughout the system.
  - Water mains are predominantly C900 PVC.
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## 2. Scope of Services

### A. Pre-Field Coordination

- Communicate with Town representatives to review available maps and gather relevant system data.
- Define priority areas (if applicable) and confirm trends in non-revenue water loss estimates.

### B. Leak Detection Survey

- Conduct an acoustic survey at all accessible main valves (estimated 243 valves per a previous leak detection survey).
- The leak detection survey is estimated to take four (4) full days (7:00 am to 3:30 pm).
- Areas with observed leak noise will be noted and reported to the City.
- If the survey is completed in less than four days, additional investigation using correlation, ground microphones, and tracer gas (where applicable) may be conducted to pinpoint suspected leaks. Pinpointing may include acoustic measurements at hydrants, customer meter pits, or curb stops, as necessary. Additional time beyond four days will be available at the City's request.
  - Standard rates for additional days:
    - \$500 for the first 2 hrs (not applicable for additional days)
    - \$150/hr thereafter
    - \$225/day per diem
    - \$75/hr shop to shop for travel (not applicable if done in the same trip)

### C. Reporting

Prepare a detailed Inspection Report including:

- Description of all confirmed and suspect leaks.
- Recommendations for repair or further investigation.
- Summary of tested system segments and methodology used.

#### **D. Assumptions**

- Valves are accessible and operable
  - An operator will be available to answer site-specific questions, assist in locating/opening valve boxes, operate valves and hydrants (if necessary), and assist in connecting to hydrants or other infrastructure for tracer gas injection (if necessary).
  - Ambient noise is assumed to be low and suitable for acoustic measurements during the day (7:00 am to 3:30 pm).
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### **3. Deliverables**

- PDF inspection report with methodology, findings, conclusions, and recommendations.
  - Field photos and maps to support suspected and confirmed leak locations.
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### **4. Schedule**

The survey is scheduled to take four (4) days.

<b>Task</b>	<b>Duration</b>
Pre-field Planning & Map Review	2 days (in progress)
Leak Detection Fieldwork	4 days
Reporting and Data Delivery	1 week

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### **5. Fee Proposal**

The fee for the complete scope of work is:

#### **\$6,500 (Lump Sum)**

This includes all labor, materials, equipment, travel, data processing, and reporting.

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## 6. Insurance & Compliance

Certificates of insurance will be provided upon contract award.

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## 7. Contact Information

For questions regarding this proposal, please contact:

**Kevin Loustaunau**

Email: [kevin@rmleakdetection.com](mailto:kevin@rmleakdetection.com)

Phone: 406-581-0928

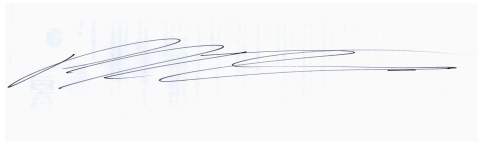
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## Conclusion

Thank you for the opportunity to submit this proposal, we look forward to partnering with the City of Deadwood to ensure the integrity and efficiency of your water distribution system. If you have any questions regarding this proposal, please let me know.

**Kevin Loustaunau**

Rocky Mountain Leak Detection, LLC

A handwritten signature in blue ink, appearing to read 'Kevin Loustaunau', is displayed on a light blue background with a faint grid pattern.