

# Raytown Water Co.

## Computerized Leak Detection Survey

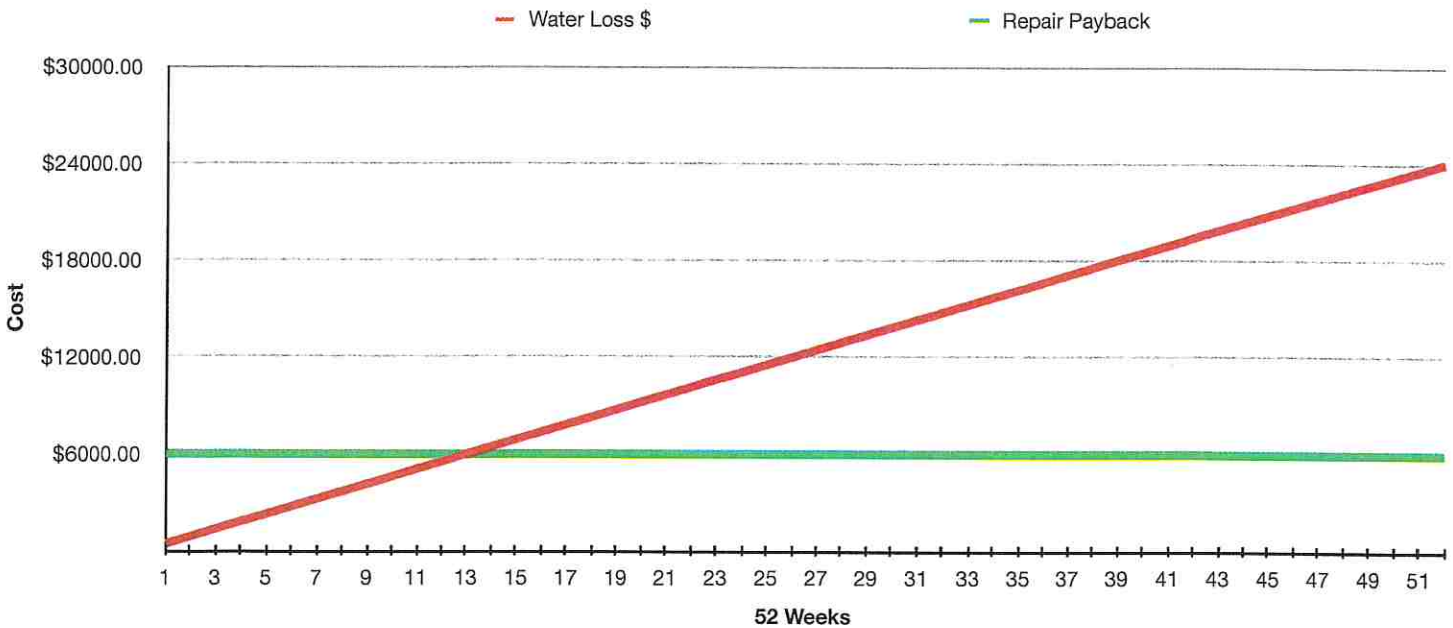
10/28/22

### Cost Analysis

This survey was conducted by Westrum Leak Detection utilizing the latest leak detection correlation technology to pinpoint suspected leakage in the system. The following leaks were located.

Leak Chart is \$1 per 1,000 gallons lost

	No. of Leaks	GPD (per leak)	Millions per year	Dollars per year
Main leaks	7	6,000	15.33	\$15,330
Abandoned leaks	0	0	0	\$0
Service line leaks	5	4,000	7.3	\$7,300
Valve leaks	0	0	0	\$0
Hydrant leaks	4	1,000	1.46	\$1,460
<b>Total</b>	<b>16</b>	<b>11,000</b>	<b>24.09</b>	<b>\$24,090</b>



Survey Cost	\$6,000.00
Leak cost per week:	\$463
<b>Estimated payback period in weeks:</b>	<b>13</b>

As you know, because of increased production and test and maintenance costs, operation and maintaining an efficient water distribution system has become a necessity. The most effective method to reach and maintain that goal is with an annual leak detection program. We appreciate the opportunity to serve you.

WESTRUM LEAK DETECTION	3226 360th St Stratford, IA 50249	515-838-2222 (24-7) 888-500-4433 (24-7)	Cell 515-231-0122
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- Manhole
- Stop Box
- Hydrant
- Valve

<h1>Raytown Water Company</h1>		
Survey <input checked="" type="checkbox"/>	Service <input type="checkbox"/>	Date - 10/28/22

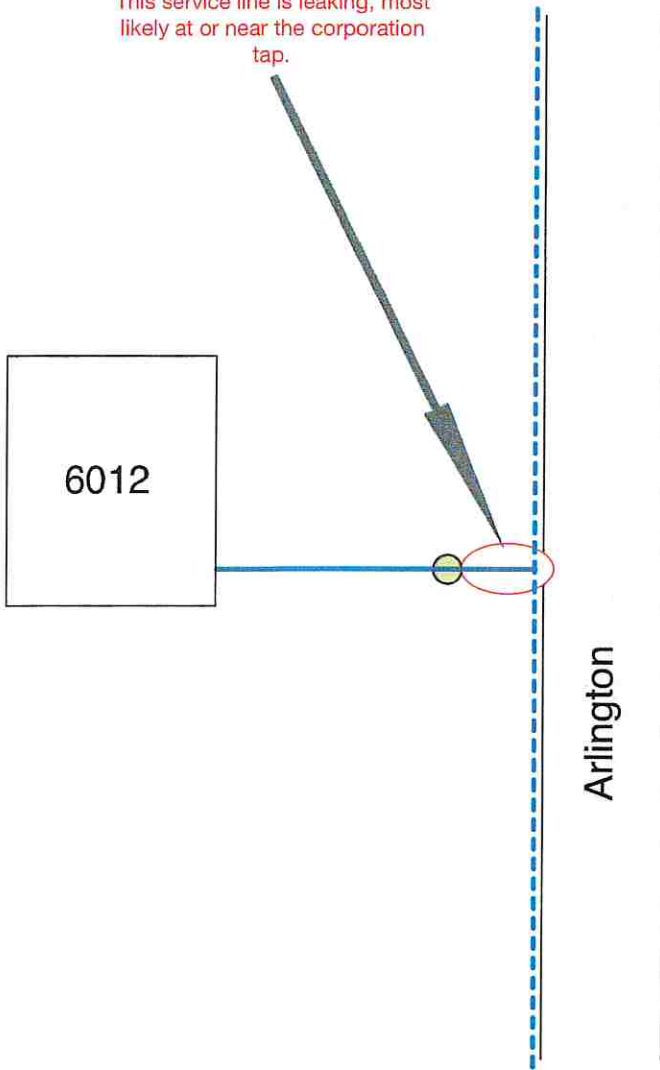
Leak #

1



### Leak Indication

This service line is leaking, most likely at or near the corporation tap.



### Westrum Leak Detection

3226 360th St  
 Stratford, IA 50249  
 1-888-500-4433 - 24/7

Date Repaired

Operate stop box

YES     NO

Description of Repair

- Manhole
- Stop Box
- Hydrant
- Valve

# Raytown Water Co.

Survey 
Service 
Date - 10/28/22

Leak #  
2



### Leak Indication

This service line is leaking at or near the corporation tap.  
Observed water running in this area.



### Westrum Leak Detection

3226 360th St  
Stratford, IA 50249  
1-888-500-4433 - 24/7

Date Repaired

Operate stop box

YES     NO

Description of Repair

- Manhole 
- Stop Box 
- Hydrant 
- Valve 

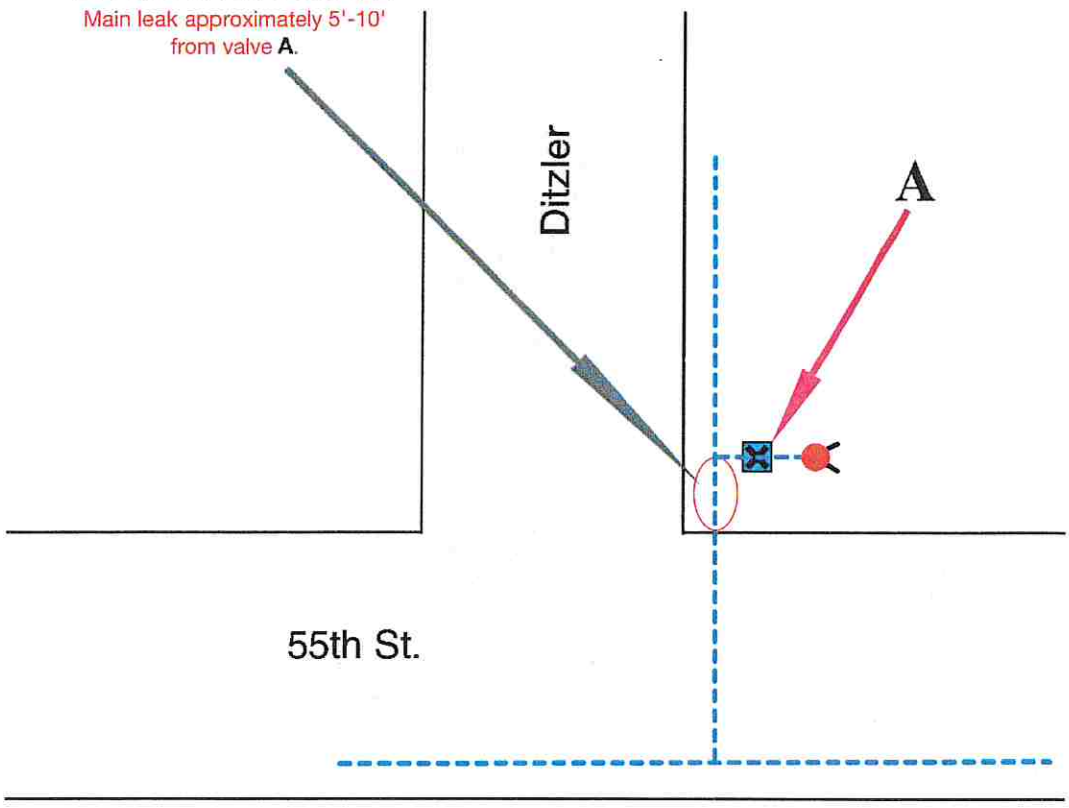
<h1>Raytown Water Co.</h1>		
Survey <input checked="" type="checkbox"/>	Service <input type="checkbox"/>	Date - 10/28/22

Leak #  
3



### Leak Indication

Main leak approximately 5'-10' from valve A.



### Westrum Leak Detection

3226 360th St  
 Stratford, IA 50249  
 1-888-500-4433 - 24/7

Date Repaired

Operate stop box

YES     NO

Description of Repair

- Manhole
- Stop Box
- Hydrant
- Valve

<h1>Raytown Water Company</h1>		
Survey <input checked="" type="checkbox"/>	Service <input type="checkbox"/>	Date -10/28/22

Leak #  
4



**Leak Indication**

This hydrant is leaking.



Cedar

5501

**Westrum Leak Detection**

3226 360th St  
Stratford, IA 50249  
1-888-500-4433 - 24/7

Date Repaired

Operate stop box

YES
 NO

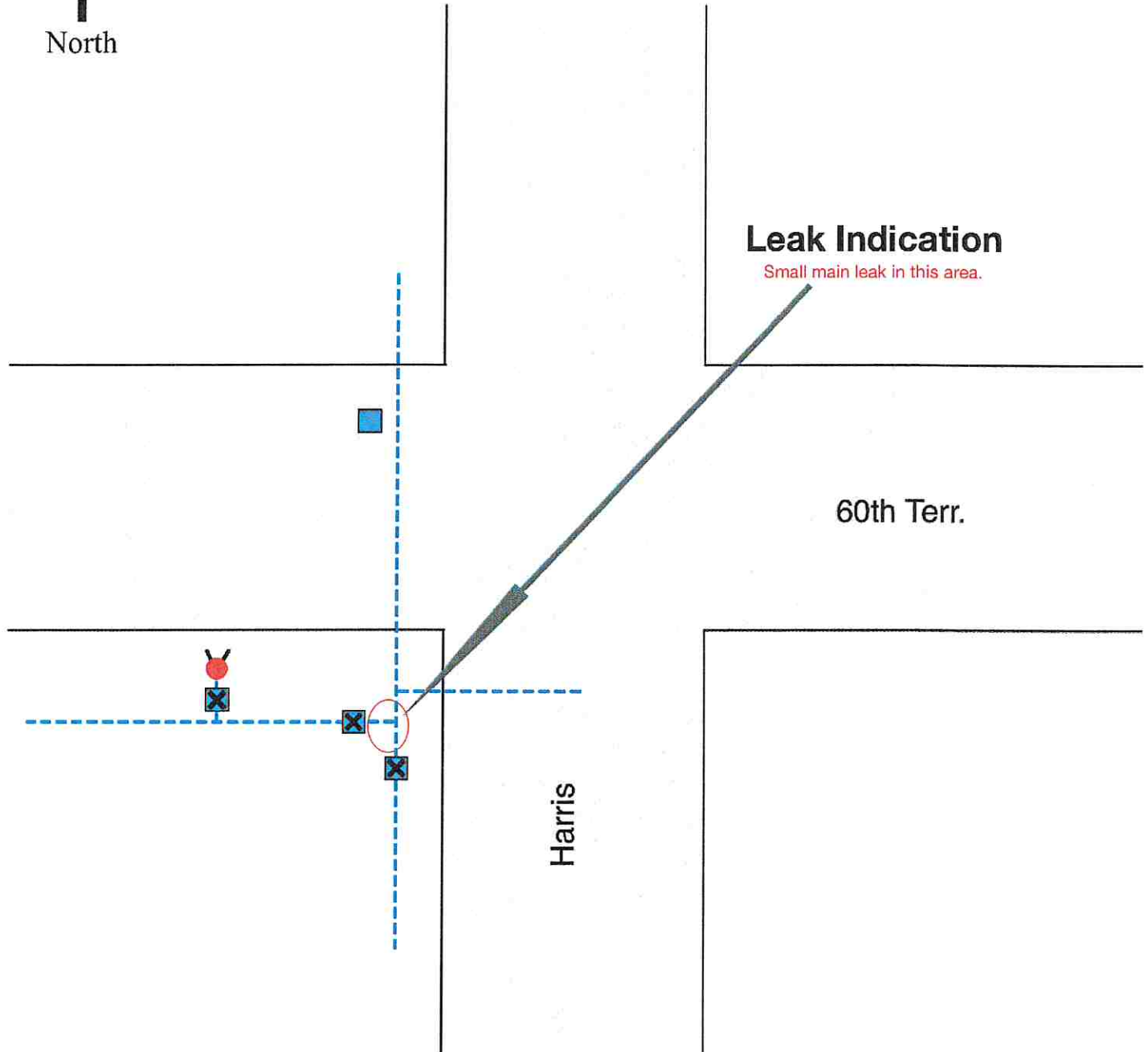
Description of Repair

- Manhole 
- Stop Box 
- Hydrant 
- Valve 

## Raytown Water Co.

Survey 
Service 
Date - 10/28/22

Leak #  
5



**Leak Indication**  
Small main leak in this area.

60th Terr.

Harris

**Westrum Leak Detection**

3226 360th St  
Stratford, IA 50249  
1-888-500-4433 - 24/7

Date Repaired

Operate stop box

YES     NO

Description of Repair

- Manhole 
- Stop Box 
- Hydrant 
- Valve 

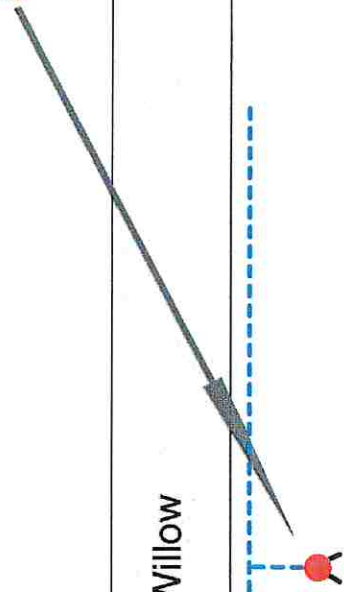
<h1>Raytown Water Company</h1>		
Survey <input checked="" type="checkbox"/>	Service <input type="checkbox"/>	Date -10/28/22

Leak #  
6



**Leak Indication**

*This hydrant is leaking.*



6125

**Westrum Leak Detection**

3226 360th St  
Stratford, IA 50249  
1-888-500-4433 - 24/7

Date Repaired

Operate stop box

YES     NO

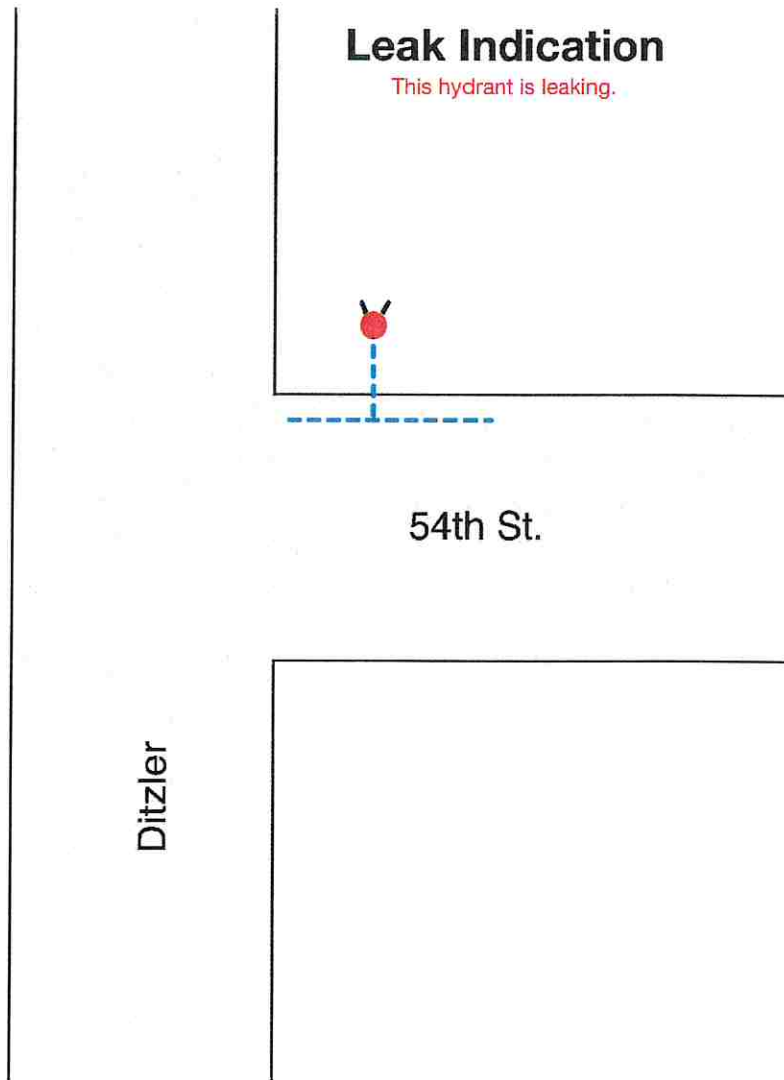
Description of Repair

- Manhole 
- Stop Box 
- Hydrant 
- Valve 

<h1>Raytown Water Co.</h1>		
Survey <input checked="" type="checkbox"/>	Service <input type="checkbox"/>	Date - 10/28/22

Leak #

7
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**Westrum Leak Detection**

3226 360th St  
 Stratford, IA 50249  
 1-888-500-4433 - 24/7

Date Repaired

Operate stop box

<input type="checkbox"/>	<input checked="" type="checkbox"/>
YES	NO

Description of Repair



- Manhole
- Stop Box
- Hydrant
- Valve

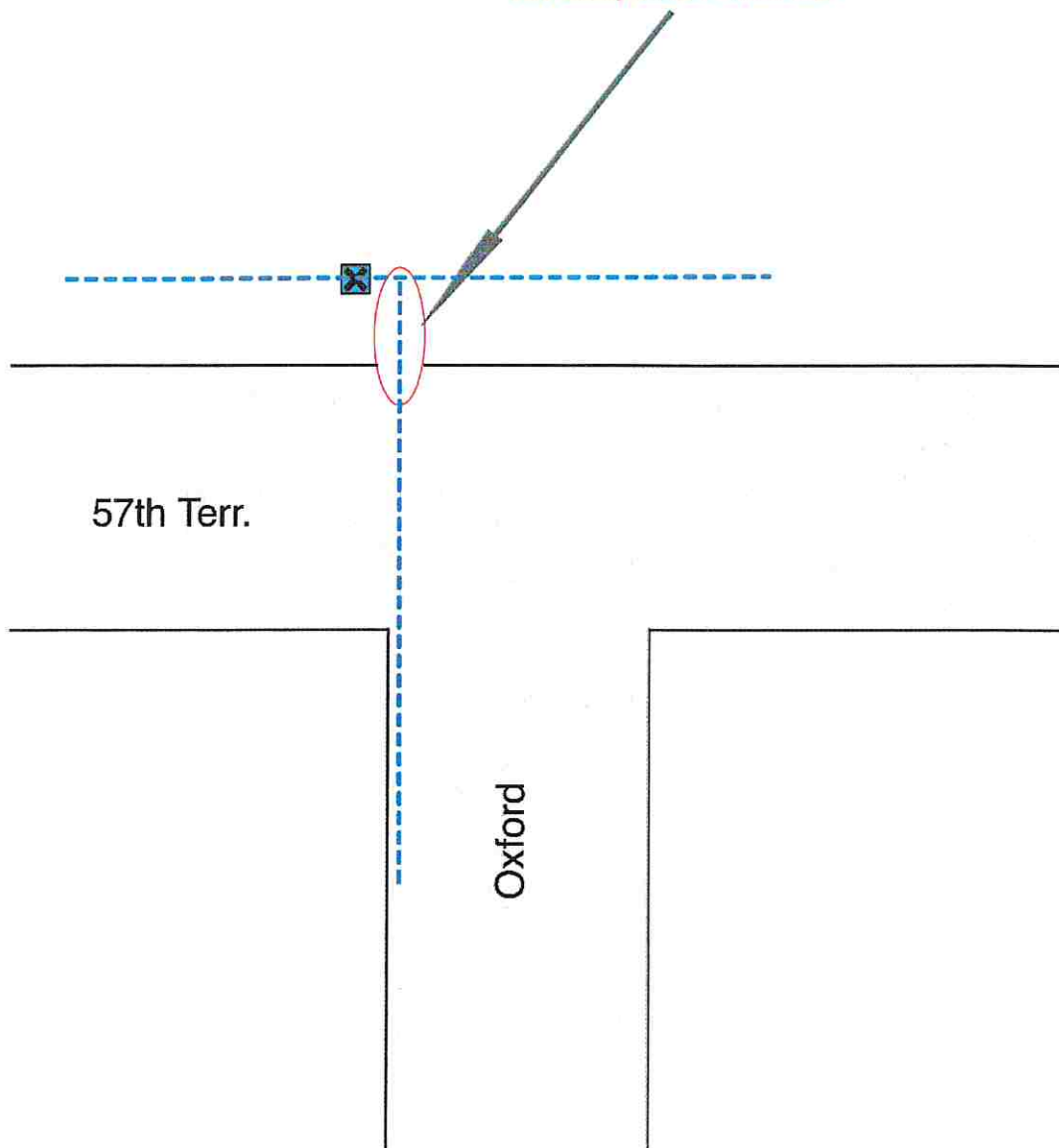
<h1>Raytown Water Co.</h1>		
Survey <input checked="" type="checkbox"/>	Service <input type="checkbox"/>	Date - 10/28/22

Leak #  
**8**



### Leak Indication

Main leak in this area. I wasn't sure exactly where the main was.



### Westrum Leak Detection

3226 360th St  
Stratford, IA 50249  
1-888-500-4433 - 24/7

Date Repaired

Operate stop box

YES     NO

Description of Repair

- Manhole
- Stop Box
- Hydrant
- Valve

# Raytown Water Co.

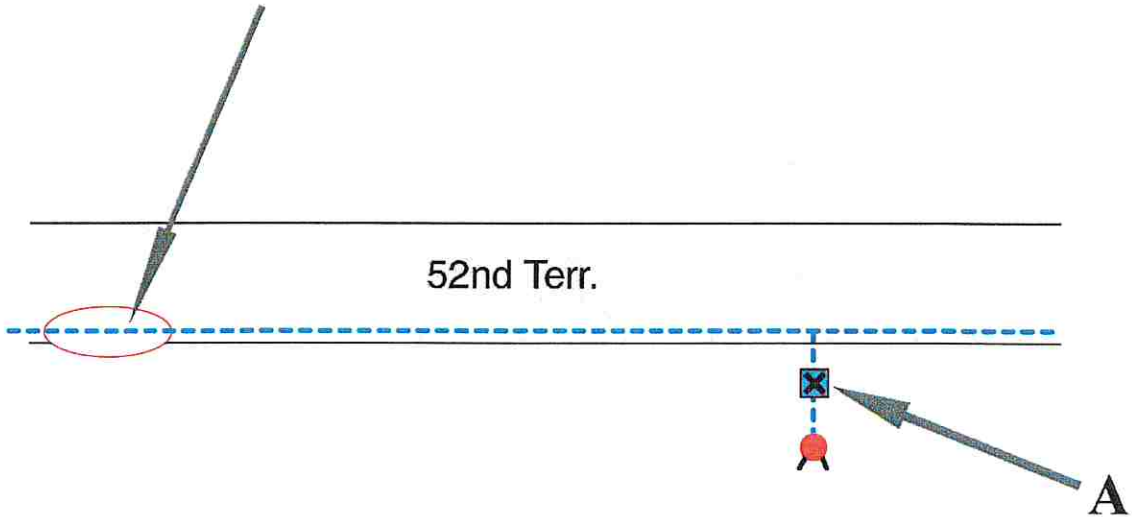
Survey 
Service 
Date - 10/28/22

Leak #  
**9**



### Leak Indication

Main leak approximately 85'-90' from hydrant valve **A**. Leak area is marked in the street.



8871

### Westrum Leak Detection

3226 360th St  
Stratford, IA 50249  
1-888-500-4433 - 24/7

Date Repaired

Operate stop box

YES     NO

Description of Repair

- Manhole 
- Stop Box 
- Hydrant 
- Valve 

# Raytown Water Co.

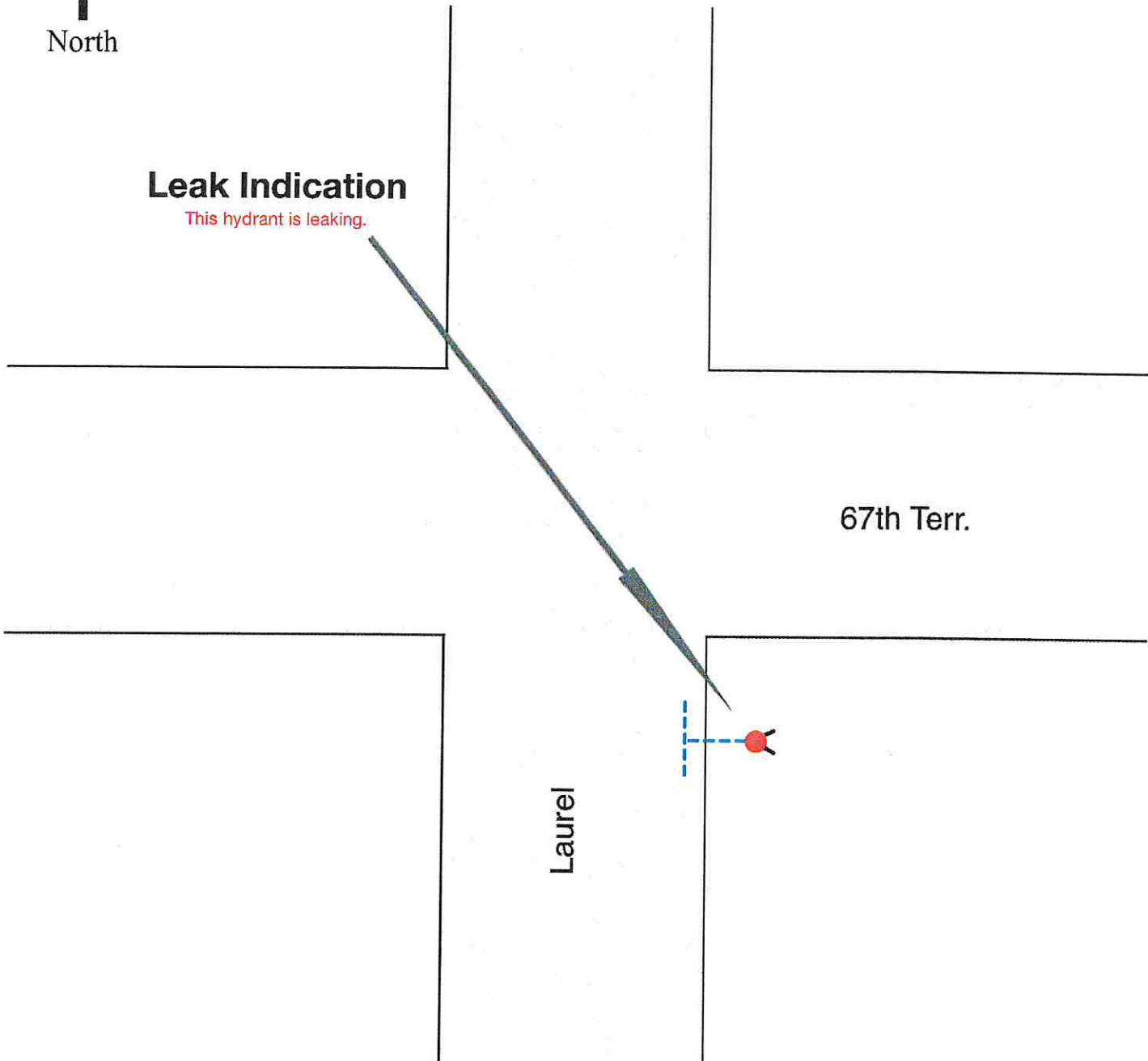
Survey 
Service 
Date - 10/28/22

Leak #  
10



**Leak Indication**

*This hydrant is leaking.*



**Westrum Leak Detection**  
 3226 360th St  
 Stratford, IA 50249  
 1-888-500-4433 - 24/7

**Date Repaired**

**Operate stop box**  
 YES     NO

**Description of Repair**

- Manhole 
- Stop Box 
- Hydrant 
- Valve 

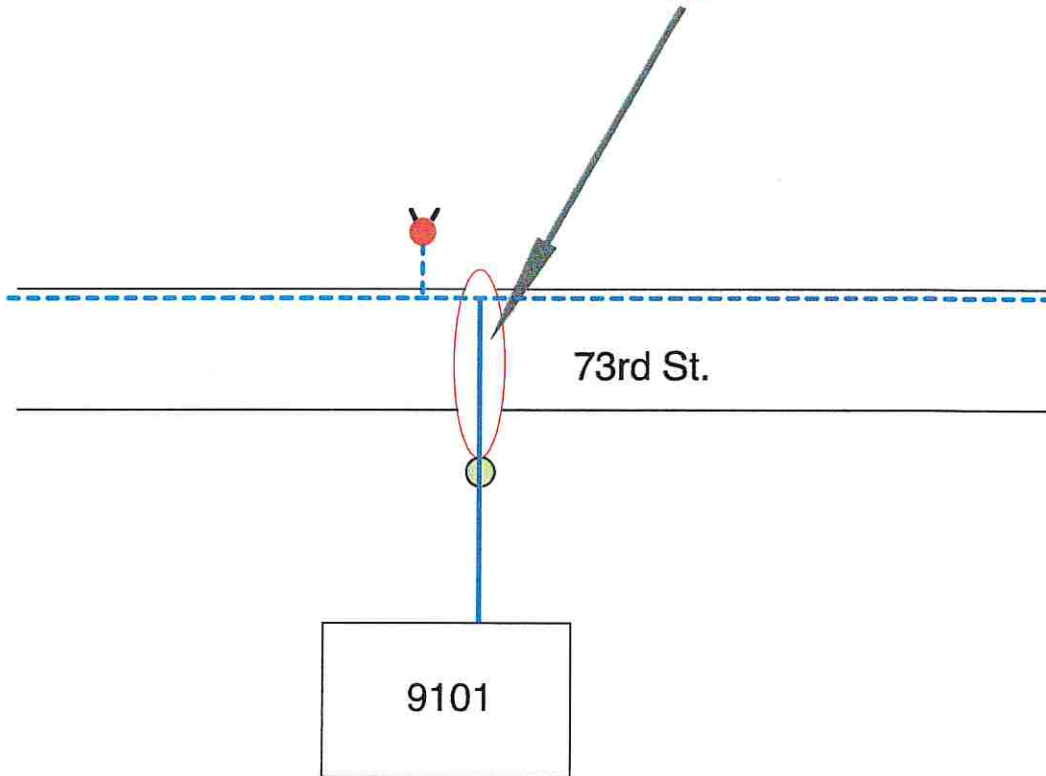
<h1>Raytown Water Company</h1>		
Survey <input checked="" type="checkbox"/>	Service <input type="checkbox"/>	Date - 10/28/22

Leak #  
**11**



### Leak Indication

This service line is leaking between the meter pit & the main.



### Westrum Leak Detection

3226 360th St  
Stratford, IA 50249  
1-888-500-4433 - 24/7

Date Repaired

Operate stop box

YES     NO

Description of Repair

- Manhole 
- Stop Box 
- Hydrant 
- Valve 

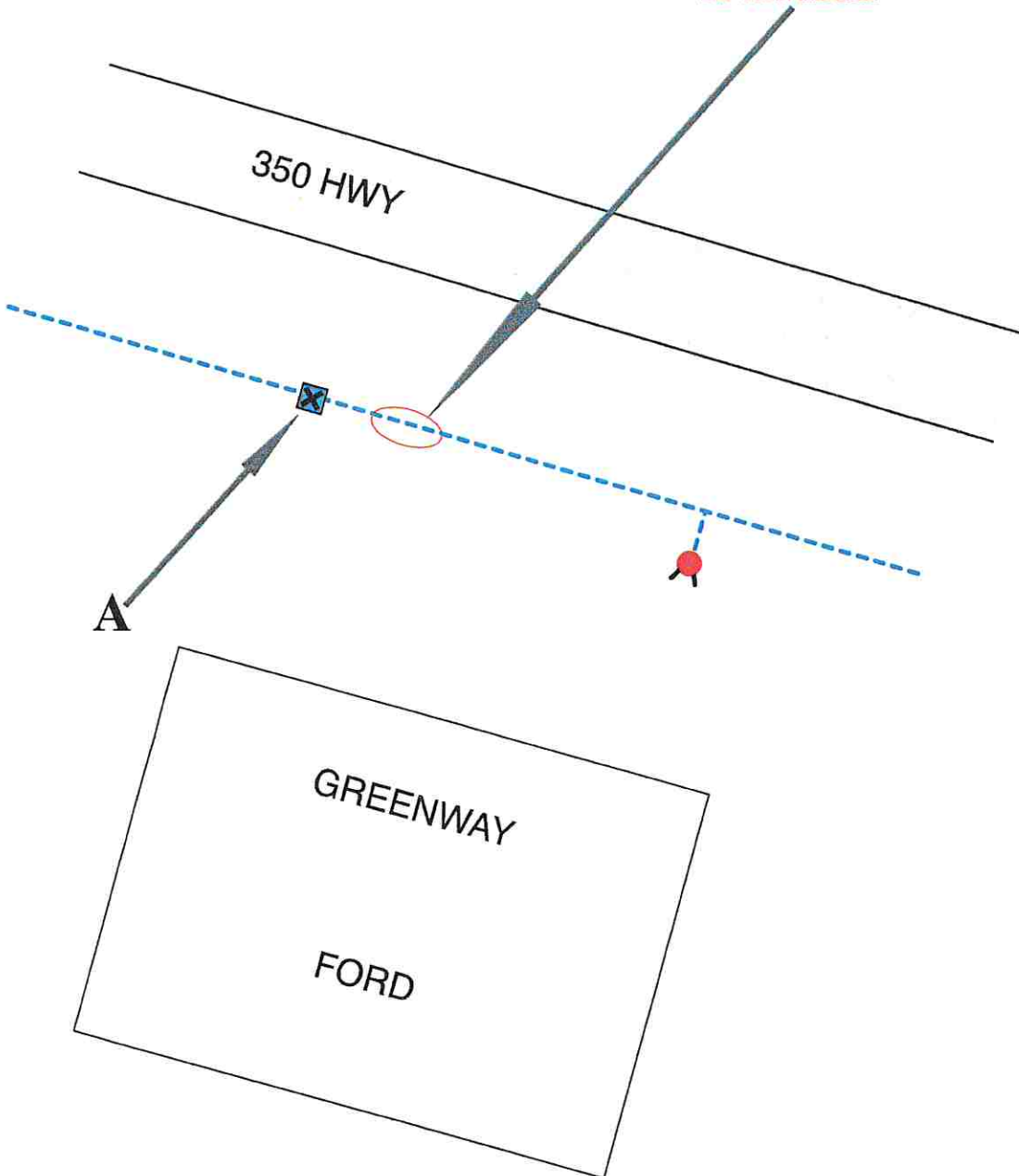
<h1>Raytown Water Co.</h1>		
Survey <input checked="" type="checkbox"/>	Service <input type="checkbox"/>	Date - 10/28/22

Leak #  
12



### Leak Indication

Main leak approximately 10'-20'  
east of valve **A**.  
It is wet in this area.



### Westrum Leak Detection

3226 360th St  
Stratford, IA 50249  
1-888-500-4433 - 24/7

Date Repaired

Operate stop box

YES     NO

Description of Repair

- Manhole 
- Stop Box 
- Hydrant 
- Valve 

# Raytown Water Company

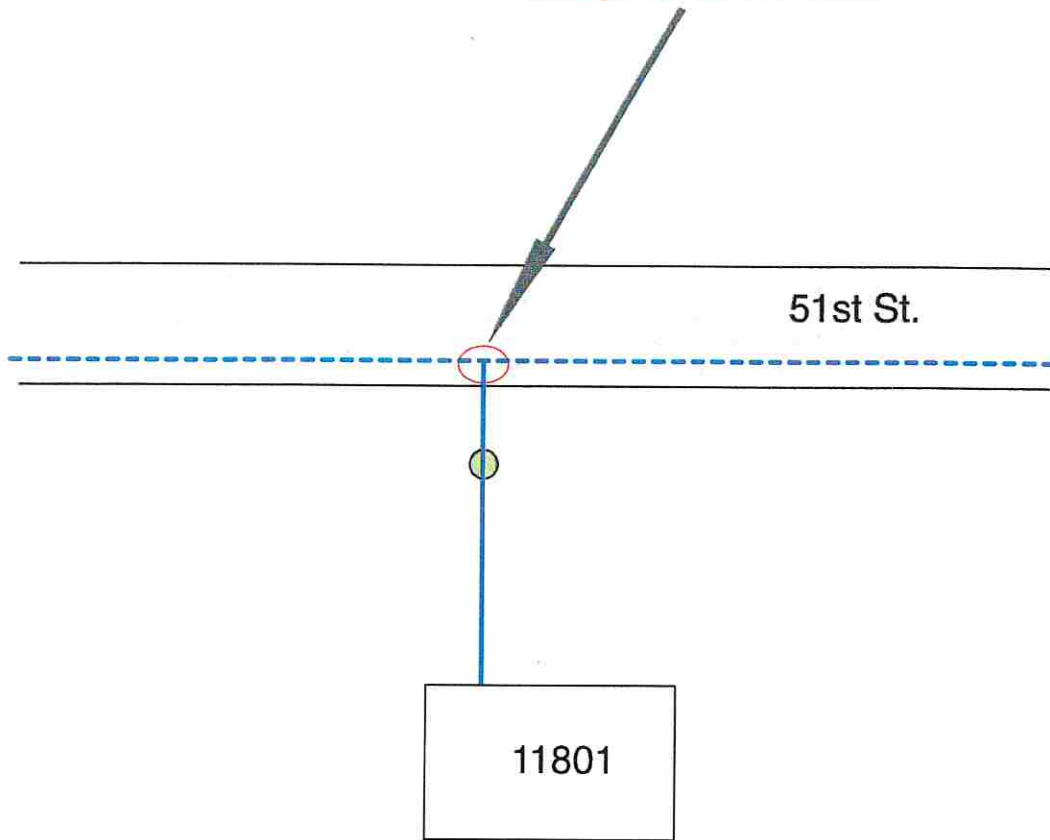
Survey 
Service 
Date - 10/28/22

Leak #  
13



### Leak Indication

Possible small leak in this area. I was not able to get a correlation on this leak.



### Westrum Leak Detection

3226 360th St  
 Stratford, IA 50249  
 1-888-500-4433 - 24/7

Date Repaired

Operate stop box

YES
 NO

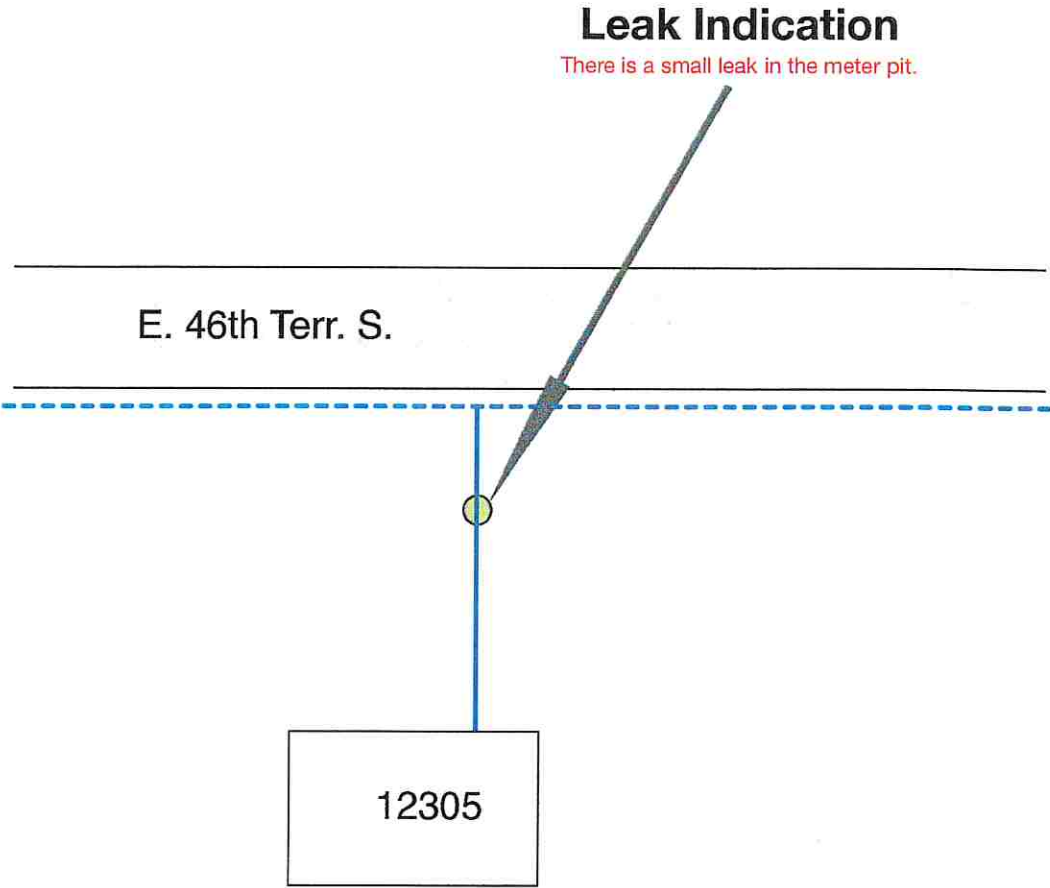
Description of Repair

- Manhole
- Stop Box
- Hydrant
- Valve

# Raytown Water Company

Survey 
Service 
Date - 10/28/22

Leak #  
14



**Westrum Leak Detection**  
 3226 360th St  
 Stratford, IA 50249  
 1-888-500-4433 - 24/7

**Date Repaired**

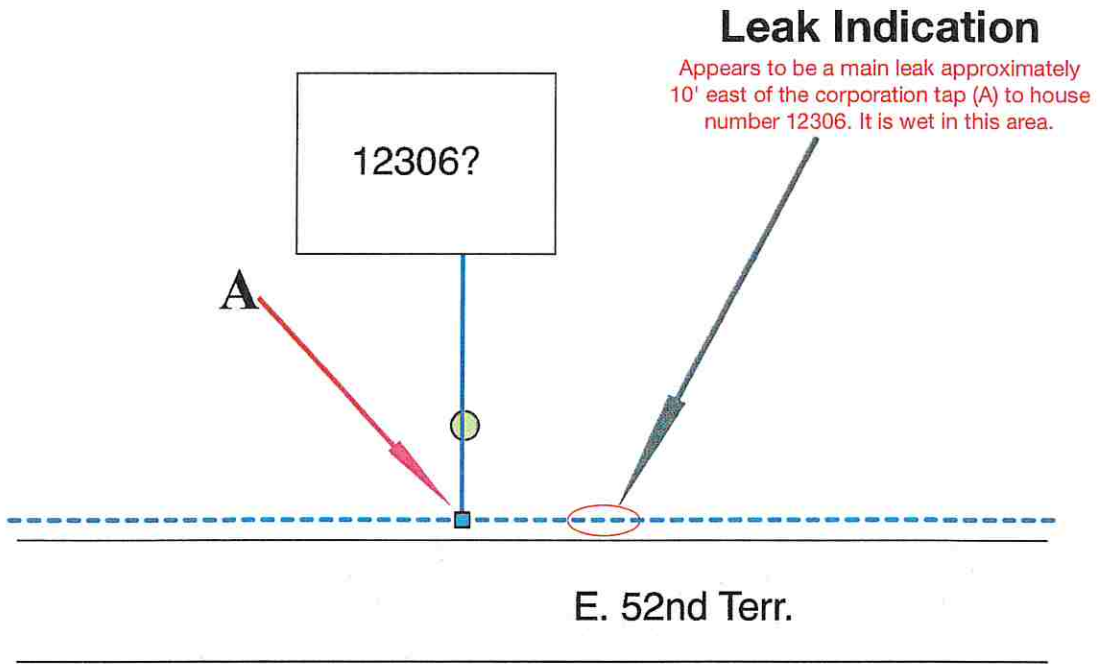
**Operate stop box**  
 YES     NO

**Description of Repair**

- Manhole 
- Stop Box 
- Hydrant 
- Valve 

<h1>Raytown Water Co.</h1>		
Survey <input checked="" type="checkbox"/>	Service <input type="checkbox"/>	Date - 10/28/22

Leak #  
15



**Westrum Leak Detection**

3226 360th St  
 Stratford, IA 50249  
 1-888-500-4433 - 24/7

Date Repaired

Operate stop box

<input type="checkbox"/>	<input checked="" type="checkbox"/>
YES	NO

Description of Repair

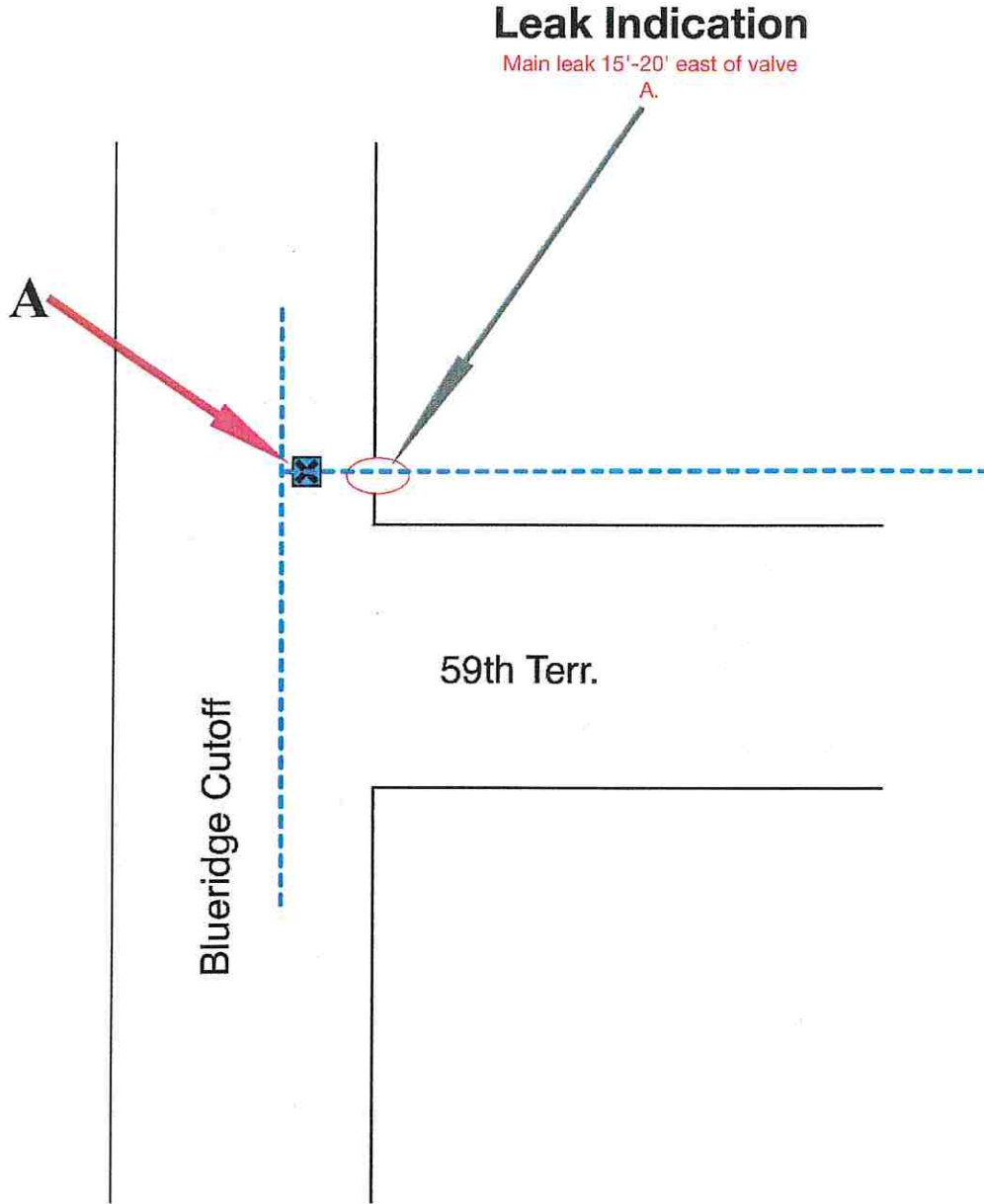


- Manhole 
- Stop Box 
- Hydrant 
- Valve 

# Raytown Water Co.

Survey 
Service 
Date - 10/28/22

Leak #  
16



**Westrum Leak Detection**

3226 360th St  
Stratford, IA 50249  
1-888-500-4433 - 24/7

Date Repaired

Operate stop box

YES     NO

Description of Repair