

**VIA EMAIL**

September 13, 2025

Tanya Williams  
City Manager  
City of Rialto  
150 S. Palm Avenue  
Rialto, CA 92376

cc: John Rossi  
Stephen Dopudja  
Megan Matson  
Soheil Sadighi  
Marlon Brosco

**Subject: Resolution of CCTV Findings – Wastewater Collection System**

Dear Tanya,

As required by the Concession Agreement, RWS/Veolia continuously perform CCTV video monitoring of the wastewater collection system to assess its condition. This monitoring process identifies flaws, damage, and potential issues that may require RRR, ORR, or CIP activity.

Recently, RWS requested that Veolia compile a comprehensive summary of its CCTV findings. The attached log details 29 areas of concern within the wastewater collection system (see attached summary table and individual one-page summaries of the identified issues).

The estimated cost to address these issues ranges from \$625,000 to \$1,500,000. Given the relatively modest cost compared to the significant risk of a larger SSO event—and the resulting potential liability to the City/RUA—RWS strongly recommends that the City/RUA authorize immediate repair of all 29 identified areas of concern.

In addition, many of these issues appear to stem from private construction or anomalies related to sewer system repairs (e.g., lateral replacements protruding into main lines or damage caused during construction). RWS therefore recommends that the City/RUA update its inspection protocols within the Building



Department; for example potentially utilizing the encroachment permit processes to make this identification. The goal would be to identify and address such issues at the time of construction, ensuring that responsibility and costs are properly assigned to the developers and contractors (i.e. plumbers) responsible for creating them. The CCTV pictures included in the 1-page summaries help explain this suggestion.

Sincerely,

A handwritten signature in black ink that reads "Peter Luchetti". The signature is written in a cursive style with a large initial "P" and "L".

Peter Luchetti, President  
Rialto Water Services LLC

Attachment:

SUMMARY TABLE RIALTO WASTEWATER SYSTEM CCTV IDENTIFIED AREAS OF CONCERN									
9-11-1025									
Page	Status	Title	Number	Description	Condition Criticality		Solution	Cost Estimate	
					Score	Score		Low	High
1	RED	Sycamore St	267-1, 267-2	Void in sewer Line	5	5	Replace damaged section of sewer line	\$25,000	\$60,000
4	RED	Riverside Ave	234-45, 234-46	Broken Section of pipe	5	5	Replace damaged section of sewer line	\$25,000	\$60,000
5	RED	Lilac	233-29, 233-45	Broken Section of pipe	5	5	Replace damaged section of sewer line	\$25,000	\$60,000
7	RED	Randall Ave	314-65, 314-66	Broken Section of pipe	5	5	Replace damaged section of sewer line	\$25,000	\$60,000
8	RED	Cascade Dr.	202-43, 202-44	Broken Section of pipe	5	5	Replace damaged section of sewer line	\$25,000	\$60,000
10	RED	Holly St #1	1730892967	Broken Section of pipe	5	5	Replace damaged section of sewer line	\$25,000	\$60,000
12	RED	834 N. Orange St.	173150022	Broken Section of pipe	5	5	Replace damaged section of sewer line	\$25,000	\$60,000
16	RED	Yucca Ave	249-13, 249-14 01E4C	A section of sewer line is missing 7ft into the sewer line	5	5	Replace damaged section of sewer line	\$25,000	\$60,000
17	RED	Acacia Ave	251-47, 251-48 FB376	Communication line ran into the sewer line 214 feet down the line	5	5	Replace damaged section of sewer line	\$25,000	\$60,000
18	RED	Easement	345-20, 345-24 1E173	A section of sewer line is missing 250 feet down the sewer line	5	5	Replace damaged section of sewer line	\$25,000	\$60,000
19	RED	Walnut	186-29, 186-30 88356	Visible break in sewer line between manholes 186-29 and 186-30	5	5	Replace damaged section of sewer line	\$25,000	\$60,000
23	RED	Lancewood Ave	311-8, 311-9 3DC1A	Visible break in sewer line between manholes 311-8 and 311-9 at 94.9 ft.	5	5	Replace damaged section of sewer line	\$25,000	\$60,000
25	RED	Spruce Ave.	328-56, 328-58 FF705	Visible hole in sewer line between manholes 328-56 and 328-58 at 108.8 ft.	5	5	Replace damaged section of sewer line	\$25,000	\$60,000
2	YELLOW	Lancewood Ave	251-47, 251-48	Broken section of pipe	5	5	Replace damaged section of sewer line	\$25,000	\$60,000
3	YELLOW	Vista Ave	185-50, 201-8	Broken Section of pipe	5	5	Replace damaged section of sewer line	\$25,000	\$60,000
6	YELLOW	Lilac Ave #2	345-27, 345-28	Broken Section of pipe	5	5	Replace damaged section of sewer line	\$25,000	\$60,000
9	YELLOW	Heather St.	186-22, 186-23	Broken Section of pipe	5	5	Replace damaged section of sewer line	\$25,000	\$60,000
14	YELLOW	King St (4ft from MH)	267-27, 267-28 1260E	Lateral protruding into the sewer line	5	5	Use circular cutter to trim excess lateral	\$10,000	\$10,000
15	YELLOW	Mallard Ave (375 ft)	233-38, 233-48 938A1	Lateral protruding into the sewer line	5	5	Use circular cutter to trim excess lateral	\$25,000	\$60,000
20	YELLOW	Chestnut Ave.	188-5, 204-13 D	Visible break in sewer line between manholes 188-5 and 204-13 at 100.6 ft.	5	5	Replace damaged section of sewer line	\$25,000	\$60,000
21	YELLOW	Van Koevring St.	234-33, 233-34 DAC32	Visible break in sewer line between manholes 234-33 and 234-34 at 150 ft	5	5	Replace damaged section of sewer line	\$25,000	\$60,000
26	YELLOW	Riverside Ave	250-63, 250-69 62534	Protruding lateral in the sewer line between manholes 250-63 and 250-69 at 283 ft.	5	5	Replace damaged section of sewer line	\$5,000	\$15,000
29	YELLOW	236 e. HOME	1741912270	Protruding lateral liner	5	5	Cut protruding liner	\$5,000	\$15,000
				Lateral protruding into the sewer line	5	5	Use circular cutter to trim excess lateral	\$10,000	\$10,000
11	ORANGE	Holly St. #2 (234 Ft.)	1730893256	Broken Section of pipe	5	5	Replace damaged section of sewer line	\$25,000	\$60,000
13	ORANGE	Shamrock St.	218-53, 219-6 0548F	Broken Section of pipe	5	5	Use circular cutter to trim excess lateral	\$10,000	\$10,000
22	ORANGE	Fillmore Ave	264-60, 264-61 DF087	Visible break in sewer line between manholes 264-60, 264-61 at 32.1 ft.	5	5	Replace damaged section of sewer line	\$25,000	\$60,000
24	ORANGE	Bloomington Ave	328-77, 344-18 336E7	Visible hole in sewer line between manholes 328-77 and 344-18 at 117.7 ft.	5	5	Replace damaged section of sewer line	\$25,000	\$60,000
27	ORANGE	383 Mariposa	1755075880	Protruding lateral liner	5	5	Cut protruding liner	\$5,000	\$15,000
28	ORANGE	1356 N. Olive	1747913009	Protruding lateral liner	5	5	Cut protruding liner	\$5,000	\$15,000
								<b>\$625,000</b>	<b>\$1,470,000</b>



## Rialto, CA Sewer Line Repair List

### Priority Indicator

- **Red=** First to be addressed (pgs 2,5,6,8,9,11,13,17,18,19,20,24,26)
  - **Orange=** Second to be addressed (pgs 12,14,23,25,28,29)
  - **Yellow=** Third to be addressed (pgs 3,4,7,10,15,16,21,22,27)
- 
- Priority has been determined using several factors; Impact on structure, environmental (soil), sso potential

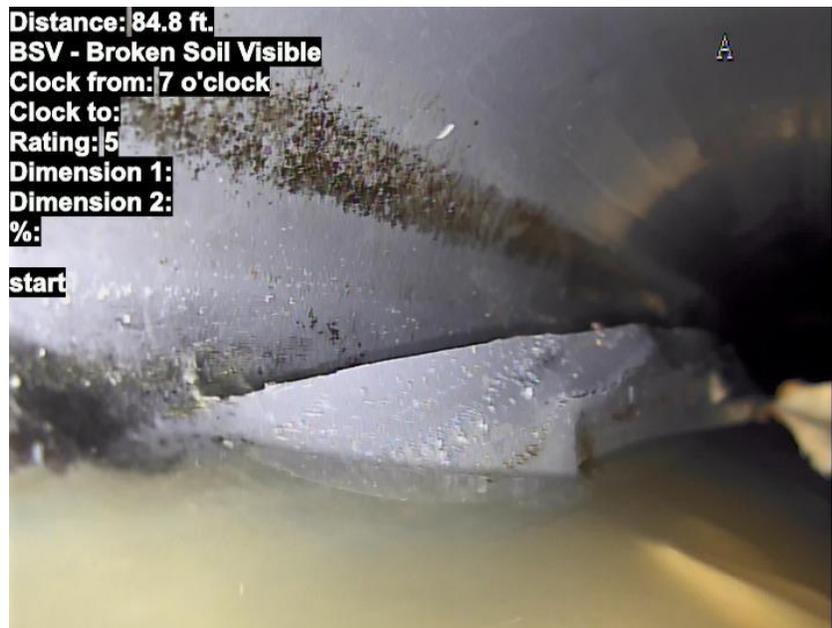
**Sycamore St**

<b>Project Number:</b>	267-1_267-2
<b>Problem or Opportunity:</b>	Void in the sewer line 55' downstream
<b>Condition Score:</b>	5
<b>Criticality Score:</b>	5
<b>Recommended Solution:</b>	Replace the damaged section of the sewer line
<b>Measurable Benefits:</b>	Avoid potential SSO, prevent further line damage, prevent soil erosion and contamination, and eliminate inflow & infiltration to the WWTP
<b>Basis of Recommendation:</b>	Degradation of the sewer line and the surrounding soil
<b>Assumptions/Risks:</b>	Soil erosion and sinkhole possibility
<b>Primary Driver:</b>	Environmental and financial impacts (i.e., property), compliance, and proper conveyance of sewage
<b>Cost Estimate:</b>	\$25k - \$60k depending on flow volume, depth, size, and placement of pipe
<b>Method of Delivery:</b>	Subcontractor



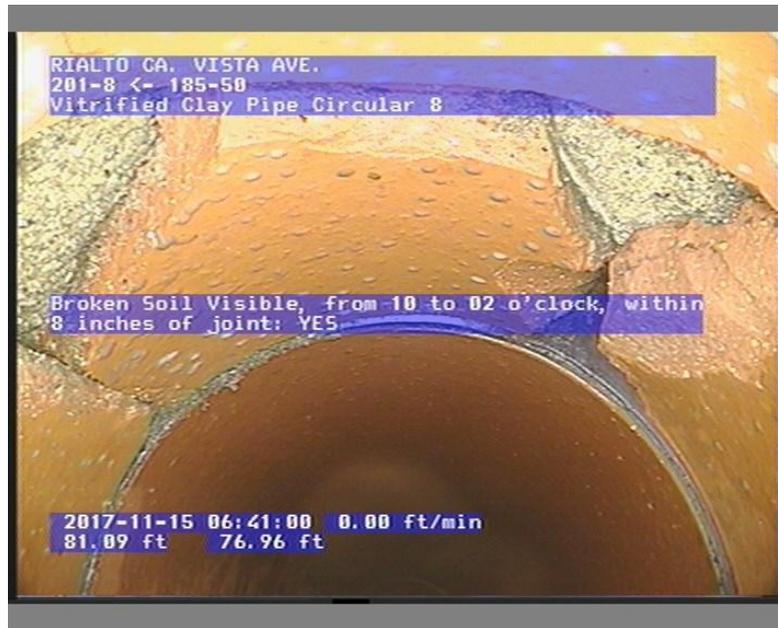
**Lancewood Ave**

<b>Project Number:</b>	251-47_251-48
<b>Problem or Opportunity:</b>	Broken section of pipe
<b>Condition Score:</b>	5
<b>Criticality Score:</b>	5
<b>Recommended Solution:</b>	Replace the damaged section of the sewer line
<b>Measurable Benefits:</b>	Avoid potential SSO, prevent further line damage, prevent soil erosion and contamination, and eliminate inflow & infiltration to the WWTP
<b>Basis of Recommendation:</b>	Degradation of the sewer line and the surrounding soil
<b>Assumptions/Risks:</b>	Soil erosion and sinkhole possibility
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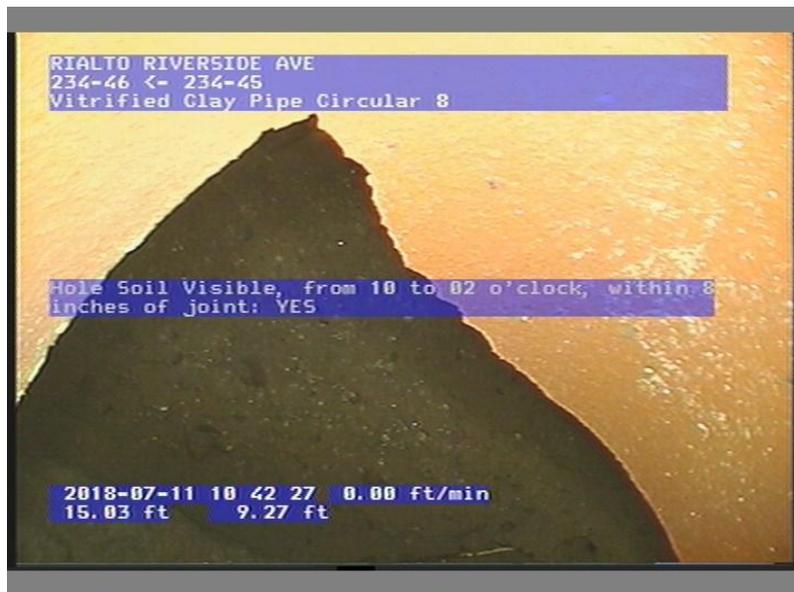
**Vista Ave**

<b>Project Number:</b>	185-50_201-8
<b>Problem or Opportunity:</b>	Broken section of pipe
<b>Condition Score:</b>	5
<b>Criticality Score:</b>	5
<b>Recommended Solution:</b>	Replace the damaged section of the sewer line
<b>Measurable Benefits:</b>	Avoid potential SSO, prevent further line damage, prevent soil erosion and contamination, and eliminate inflow & infiltration to the WWTP
<b>Basis of Recommendation:</b>	Degradation of the sewer line and the surrounding soil
<b>Assumptions/Risks:</b>	Soil erosion and sinkhole possibility
<b>Primary Driver:</b>	Environmental and financial impacts (i.e., property), compliance, and proper conveyance of sewage
<b>Cost Estimate:</b>	\$25k - \$60k depending on flow volume, depth, size, and placement of pipe
<b>Method of Delivery:</b>	Subcontractor



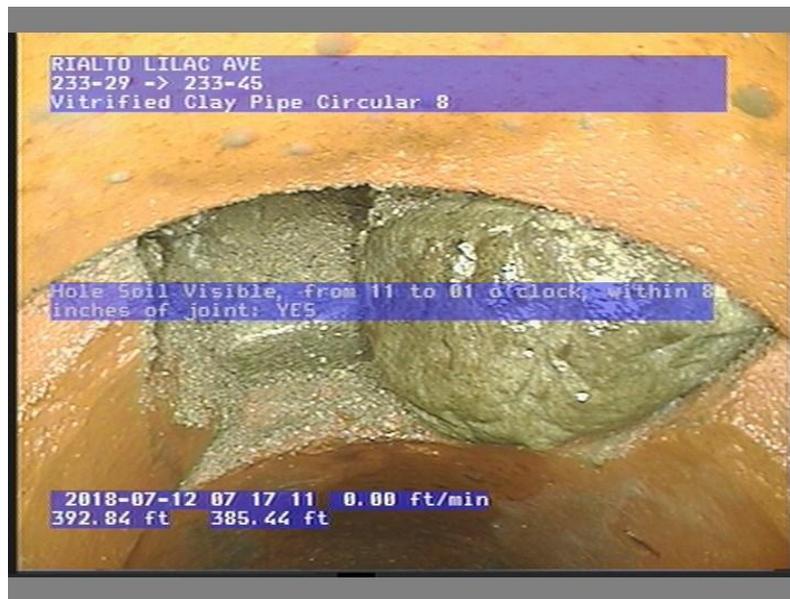
**Riverside Ave**

<b>Project Number:</b>	234-45_234-46
<b>Problem or Opportunity:</b>	Broken section of pipe
<b>Condition Score:</b>	5
<b>Criticality Score:</b>	5
<b>Recommended Solution:</b>	Replace the damaged section of the sewer line
<b>Measurable Benefits:</b>	Avoid potential SSO, prevent further line damage, prevent soil erosion and contamination, and eliminate inflow & infiltration to the WWTP
<b>Basis of Recommendation:</b>	Degradation of the sewer line and the surrounding soil
<b>Assumptions/Risks:</b>	Soil erosion and sinkhole possibility
<b>Primary Driver:</b>	Environmental and financial impacts (i.e., property), compliance, and proper conveyance of sewage
<b>Cost Estimate:</b>	\$25k - \$60k depending on flow volume, depth, size, and placement of pipe
<b>Method of Delivery:</b>	Subcontractor



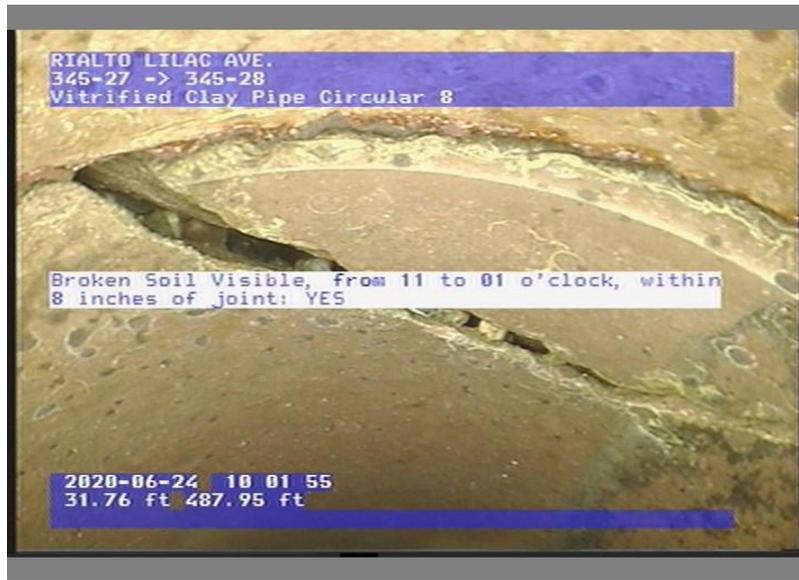
**Lilac Ave**

<b>Project Number:</b>	233-29_233-45
<b>Problem or Opportunity:</b>	Broken section of pipe
<b>Condition Score:</b>	5
<b>Criticality Score:</b>	5
<b>Recommended Solution:</b>	Replace the damaged section of the sewer line
<b>Measurable Benefits:</b>	Avoid potential SSO, prevent further line damage, prevent soil erosion and contamination, and eliminate inflow & infiltration to the WWTP
<b>Basis of Recommendation:</b>	Degradation of the sewer line and the surrounding soil
<b>Assumptions/Risks:</b>	Soil erosion and sinkhole possibility
<b>Primary Driver:</b>	Environmental and financial impacts (i.e., property), compliance, and proper conveyance of sewage
<b>Cost Estimate:</b>	\$25k - \$60k depending on flow volume, depth, size, and placement of pipe
<b>Method of Delivery:</b>	Subcontractor



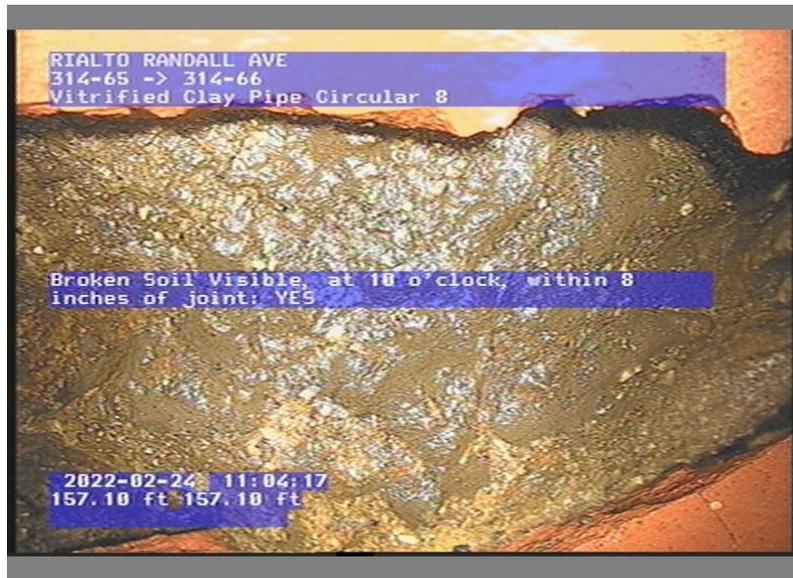
**Lilac Ave #2**

<b>Project Number:</b>	345-27_345-28
<b>Problem or Opportunity:</b>	Broken section of pipe
<b>Condition Score:</b>	5
<b>Criticality Score:</b>	5
<b>Recommended Solution:</b>	Replace the damaged section of the sewer line
<b>Measurable Benefits:</b>	Avoid potential SSO, prevent further line damage, prevent soil erosion and contamination, and eliminate inflow & infiltration to the WWTP
<b>Basis of Recommendation:</b>	Degradation of the sewer line and the surrounding soil
<b>Assumptions/Risks:</b>	Soil erosion and sinkhole possibility
<b>Primary Driver:</b>	Environmental and financial impacts (i.e., property), compliance, and proper conveyance of sewage
<b>Cost Estimate:</b>	\$25k - \$60k depending on flow volume, depth, size, and placement of pipe
<b>Method of Delivery:</b>	Subcontractor



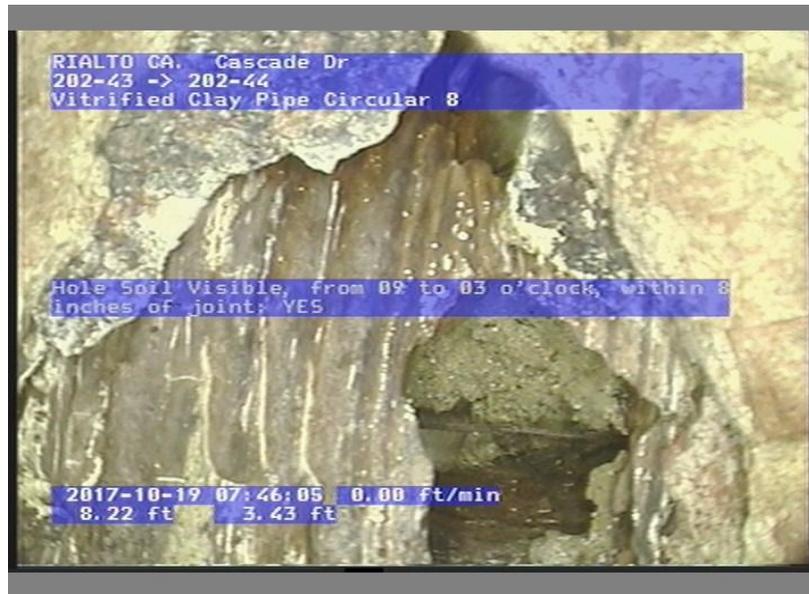
**Randall Ave**

<b>Project Number:</b>	314-65_314-66
<b>Problem or Opportunity:</b>	Broken section of pipe
<b>Condition Score:</b>	5
<b>Criticality Score:</b>	5
<b>Recommended Solution:</b>	Replace the damaged section of the sewer line
<b>Measurable Benefits:</b>	Avoid potential SSO, prevent further line damage, prevent soil erosion and contamination, and eliminate inflow & infiltration to the WWTP
<b>Basis of Recommendation:</b>	Degradation of the sewer line and the surrounding soil
<b>Assumptions/Risks:</b>	Soil erosion and sinkhole possibility
<b>Primary Driver:</b>	Environmental and financial impacts (i.e., property), compliance, and proper conveyance of sewage
<b>Cost Estimate:</b>	\$25k - \$60k depending on flow volume, depth, size, and placement of pipe
<b>Method of Delivery:</b>	Subcontractor



### Cascade Dr

<b>Project Number:</b>	202-43_202-44
<b>Problem or Opportunity:</b>	Broken section of pipe
<b>Condition Score:</b>	5
<b>Criticality Score:</b>	5
<b>Recommended Solution:</b>	Replace the damaged section of the sewer line
<b>Measurable Benefits:</b>	Avoid potential SSO, prevent further line damage, prevent soil erosion and contamination, and eliminate inflow & infiltration to the WWTP
<b>Basis of Recommendation:</b>	Degradation of the sewer line and the surrounding soil
<b>Assumptions/Risks:</b>	Soil erosion and sinkhole possibility
<b>Primary Driver:</b>	Environmental and financial impacts (i.e., property), compliance, and proper conveyance of sewage
<b>Cost Estimate:</b>	\$25k - \$60k depending on flow volume, depth, size, and placement of pipe
<b>Method of Delivery:</b>	Subcontractor



**Heather St**

<b>Project Number:</b>	186-22_186-23
<b>Problem or Opportunity:</b>	Broken section of pipe
<b>Condition Score:</b>	5
<b>Criticality Score:</b>	5
<b>Recommended Solution:</b>	Replace the damaged section of the sewer line
<b>Measurable Benefits:</b>	Avoid potential SSO, prevent further line damage, prevent soil erosion and contamination, and eliminate inflow & infiltration to the WWTP
<b>Basis of Recommendation:</b>	Degradation of the sewer line and the surrounding soil
<b>Assumptions/Risks:</b>	Soil erosion and sinkhole possibility
<b>Primary Driver:</b>	Environmental and financial impacts (i.e., property), compliance, and proper conveyance of sewage
<b>Cost Estimate:</b>	\$25k - \$60k depending on flow volume, depth, size, and placement of pipe
<b>Method of Delivery:</b>	Subcontractor



### Holly St #1

<b>Project Number:</b>	1730892967
<b>Problem or Opportunity:</b>	A section of the sewer line is missing
<b>Condition Score:</b>	5
<b>Criticality Score:</b>	5
<b>Recommended Solution:</b>	Replace the damaged section of the sewer line
<b>Measurable Benefits:</b>	Avoid potential SSO, prevent further line damage, prevent soil erosion and contamination, and eliminate inflow & infiltration to the WWTP
<b>Basis of Recommendation:</b>	Degradation of the sewer line and the surrounding soil
<b>Assumptions/Risks:</b>	Soil corrosion and sinkhole possibility
<b>Primary Driver:</b>	Environmental and financial impacts (i.e., property), compliance, and proper conveyance of sewage
<b>Cost Estimate:</b>	\$25k - \$60k depending on flow volume, depth, size, and placement of pipe

**Method of Delivery:**

**Subcontractor**



**Holly St #2 (234ft)**

**Project Number:**

1730893256

**Problem or Opportunity:**

Visible cracks and holes in the sewer line

**Condition Score:**

5

**Criticality Score:**

5

**Recommended Solution:**

Replace a section of the sewer line

**Measurable Benefits:**

Avoid potential SSO, prevent further line damage, prevent soil erosion and contamination, and eliminate inflow & infiltration to the WWTP

**Basis of Recommendation:**

Degradation of the sewer line and the surrounding soil

**Assumptions/Risks:**

Soil erosion and sinkhole possibility

**Primary Driver:**

Environmental and financial impacts (i.e., property), compliance, and proper conveyance of sewage

**Cost Estimate:**

\$25k - \$60k depending on flow volume, depth, size,

and placement of pipe

**Method of Delivery:**

**Subcontractor**



### **843 N Orange St**

<b>Project Number:</b>	1731500522
<b>Problem or Opportunity:</b>	Broken section of the sewer line
<b>Condition Score:</b>	5
<b>Criticality Score:</b>	5
<b>Recommended Solution:</b>	Replace a section of the sewer line
<b>Measurable Benefits:</b>	Avoid potential SSO, prevent further line damage, prevent soil erosion and contamination, and eliminate inflow & infiltration to the WWTP
<b>Basis of Recommendation:</b>	Degradation of the sewer line and the surrounding soil
<b>Assumptions/Risks:</b>	Soil erosion and sinkhole possibility
<b>Primary Driver:</b>	Environmental and financial impacts (i.e., property), compliance, and proper conveyance of sewage
<b>Cost Estimate:</b>	\$25k - \$60k depending on flow volume, depth, size,

and placement of pipe

**Method of Delivery:**

Subcontractor



**Shamrock St**

<b>Project Number:</b>	218-53_219-6_0548F
<b>Problem or Opportunity:</b>	Lateral protruding into the sewer line
<b>Condition Score:</b>	5
<b>Criticality Score:</b>	5
<b>Recommended Solution:</b>	Use a circular cutter to trim the excessive lateral
<b>Measurable Benefits:</b>	Avoid potential SSO, prevent further line damage, prevent soil erosion and contamination, and eliminate inflow & infiltration to the WWTP
<b>Basis of Recommendation:</b>	Protruding laterals could collect rags and cause an SSO
<b>Assumptions/Risks:</b>	Soil erosion and sinkhole possibility
<b>Primary Driver:</b>	Environmental and financial impacts (i.e., property), compliance, and proper conveyance of sewage
<b>Cost Estimate:</b>	\$10k depending on flow volume, depth, size, and

placement of pipe

**Method of Delivery:**

Subcontractor



**King St (4ft from MH)**

**Project Number:**

267-27\_267-28\_1260E

**Problem or Opportunity:**

Lateral protruding into the sewer line

**Condition Score:**

5

**Criticality Score:**

5

**Recommended Solution:**

Use a circular cutter to trim the excessive lateral

**Measurable Benefits:**

Avoid potential SSO, prevent further line damage, prevent soil erosion and contamination, and eliminate inflow & infiltration to the WWTP

**Basis of Recommendation:**

Protruding laterals could collect rags and cause an SSO

**Assumptions/Risks:**

Soil erosion and sinkhole possibility

**Primary Driver:**

Environmental and financial impacts (i.e., property), compliance, and proper conveyance of sewage

**Cost Estimate:**

\$10k depending on flow volume, depth, size, and

placement of pipe

**Method of Delivery:**

Subcontractor



**Millard Ave (375ft)**

**Project Number:**

233-38\_233-48\_938A1

**Problem or Opportunity:**

Multiple fractures in the sewer line

**Condition Score:**

5

**Criticality Score:**

5

**Recommended Solution:**

Use a circular cutter to trim the excessive lateral

**Measurable Benefits:**

Avoid potential SSO, prevent further line damage, prevent soil erosion and contamination, and eliminate inflow & infiltration to the WWTP

**Basis of Recommendation:**

Multiple fractures can cause an SSO

**Assumptions/Risks:**

Soil erosion and sinkhole possibility

**Primary Driver:**

Environmental and financial impacts (i.e., property), compliance, and proper conveyance of sewage

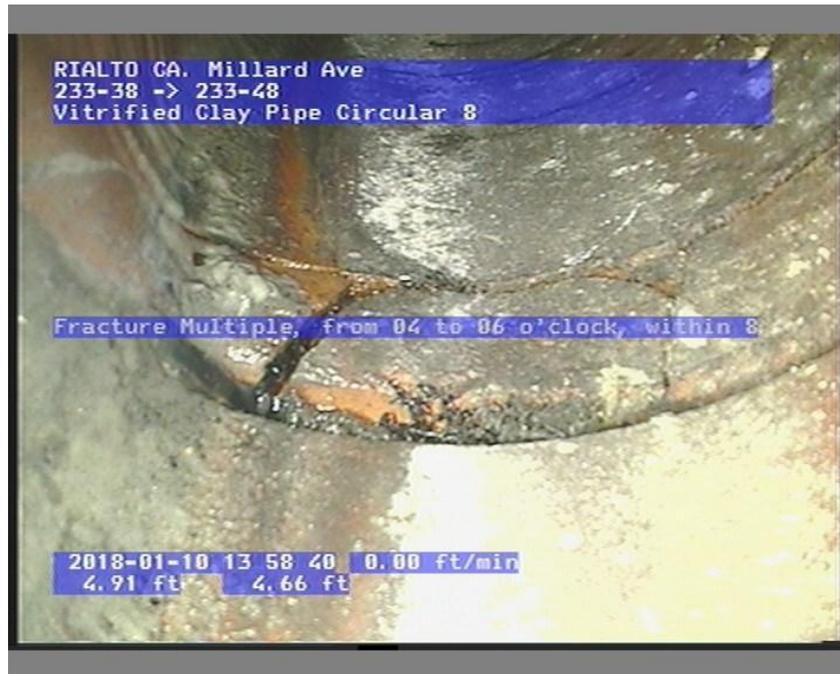
**Cost Estimate:**

\$25k - \$60k depending on flow volume, depth, size,

and placement of pipe

**Method of Delivery:**

**Subcontractor**



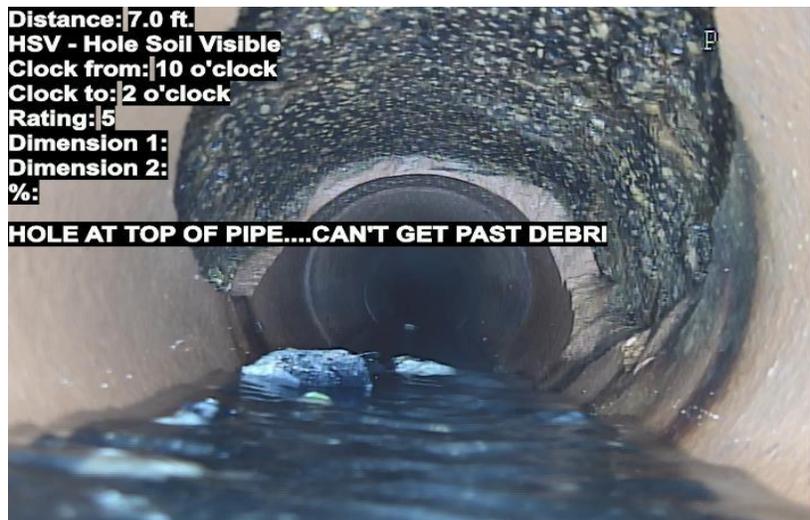
Yucca Ave

<b>Project Number:</b>	249-13_249-14_01E4C
<b>Problem or Opportunity:</b>	A section of the sewer line is missing at 7ft into the sewer line
<b>Condition Score:</b>	5
<b>Criticality Score:</b>	5
<b>Recommended Solution:</b>	Replace the damaged section of the sewer line
<b>Measurable Benefits:</b>	Avoid potential SSO, prevent further line damage, prevent soil erosion and contamination, and eliminate inflow & infiltration to the WWTP
<b>Basis of Recommendation:</b>	Degradation of the sewer line and the surrounding soil
<b>Assumptions/Risks:</b>	Soil erosion and sinkhole possibility

**Primary Driver:** Environmental and financial impacts (i.e., property), compliance, and proper conveyance of sewage

**Cost Estimate:** \$25k - \$60k depending on flow volume, depth, size, and placement of pipe

**Method of Delivery:** Subcontractor



**Acacia Ave**

**Project Number:** 251-47\_251-48\_FB376

**Problem or Opportunity:** Communication lines ran through the sewer line at 214 feet into the sewer line

**Condition Score:** 5

**Criticality Score:** 5

**Recommended Solution:** Replace the damaged section of the sewer line

**Measurable Benefits:** Avoid potential SSO, prevent further line damage, prevent soil erosion and contamination, and eliminate inflow & infiltration to the WWTP

**Basis of Recommendation:** The conduit line broke the main and degraded the line

**Assumptions/Risks:** Soil erosion and sinkhole possibility

**Primary Driver:** Environmental and financial impacts (i.e., property), compliance, and proper conveyance of sewage

**Cost Estimate:** \$25k - \$60k depending on flow volume, depth, size, and placement of pipe

**Method of Delivery:** Subcontractor



**Easement**

**Project Number:** 345-20\_345-24\_1E173

**Problem or Opportunity:** A section of the sewer line is missing at 250 feet into the sewer line

**Condition Score:** 5

**Criticality Score:** 5

**Recommended Solution:** Replace the damaged section of the sewer line

**Measurable Benefits:** Avoid potential SSO, prevent further line damage, prevent soil erosion and contamination, and eliminate inflow & infiltration to the WWTP

**Basis of Recommendation:** Degradation of the sewer line and the surrounding soil

**Assumptions/Risks:** Soil erosion and sinkhole possibility

- Primary Driver:** Environmental and financial impacts (i.e., property), compliance, and proper conveyance of sewage
- Cost Estimate:** \$25k - \$60k depending on flow volume, depth, size, and placement of pipe
- Method of Delivery:** Subcontractor



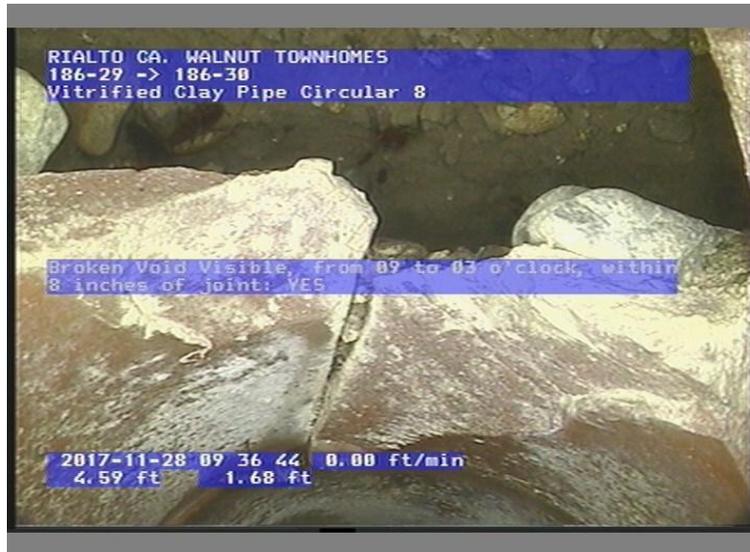
### Walnut

- Project Number:** 186-29\_186-30\_86356
- Problem or Opportunity:** Visible break in the sewer line between manholes 186-29 and 186-30
- Condition Score:** 5
- Criticality Score:** 5
- Recommended Solution:** Replace a section of the sewer line
- Measurable Benefits:** Avoid potential SSO, prevent further line damage, prevent soil erosion and contamination, and eliminate inflow & infiltration to the WWTP
- Basis of Recommendation:** Degradation of the sewer line and the surrounding soil
- Assumptions/Risks:** Soil erosion and sinkhole possibility

**Primary Driver:** Environmental and financial impacts (i.e., property), compliance, and proper conveyance of sewage

**Cost Estimate:** \$25k - \$60k depending on flow volume, depth, size, and placement of pipe

**Method of Delivery:** Subcontractor



**Chestnut Ave**

**Project Number:** 188-5\_204-13\_D

**Problem or Opportunity:** Visible break in the sewer line between manholes 188-5 and 204-13 at 100.6 ft.

**Condition Score:** 5

**Criticality Score:** 5

**Recommended Solution:** Replace a section of the sewer line

**Measurable Benefits:** Avoid potential SSO, prevent further line damage, prevent soil erosion and contamination, and eliminate inflow & infiltration to the WWTP

**Basis of Recommendation:** Degradation of the sewer line and the surrounding soil

**Assumptions/Risks:** Soil erosion and sinkhole possibility

<b>Primary Driver:</b>	Environmental and financial impacts (i.e., property), compliance, and proper conveyance of sewage
<b>Cost Estimate:</b>	\$25k - \$60k depending on flow volume, depth, size, and placement of pipe
<b>Method of Delivery:</b>	Subcontractor



**Van Koevering St**

<b>Project Number:</b>	234-33_234-34_DAC32
<b>Problem or Opportunity:</b>	Visible break in the sewer line between manholes 234-33 and 234-34 at 150 ft.
<b>Condition Score:</b>	5
<b>Criticality Score:</b>	5
<b>Recommended Solution:</b>	Replace a section of the sewer line
<b>Measurable Benefits:</b>	Avoid potential SSO, prevent further line damage, prevent soil erosion and contamination, and eliminate inflow & infiltration to the WWTP
<b>Basis of Recommendation:</b>	Degradation of the sewer line and the surrounding soil
<b>Assumptions/Risks:</b>	Soil erosion and sinkhole possibility

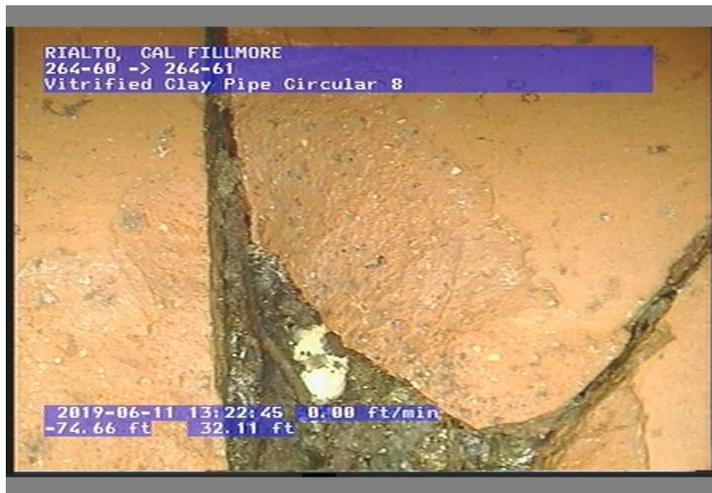
<b>Primary Driver:</b>	Environmental and financial impacts (i.e., property), compliance, and proper conveyance of sewage
<b>Cost Estimate:</b>	\$25k - \$60k depending on flow volume, depth, size, and placement of pipe
<b>Method of Delivery:</b>	Subcontractor



### Fillmore Ave

<b>Project Number:</b>	264-60_264-61_DFO87
<b>Problem or Opportunity:</b>	Visible break in the sewer line between manholes 264-60 and 264-61 at 32.1 ft.
<b>Condition Score:</b>	5
<b>Criticality Score:</b>	5
<b>Recommended Solution:</b>	Replace a section of the sewer line
<b>Measurable Benefits:</b>	Avoid potential SSO, prevent further line damage, prevent soil erosion and contamination, and eliminate inflow & infiltration to the WWTP
<b>Basis of Recommendation:</b>	Degradation of the sewer line and the surrounding soil

<b>Assumptions/Risks:</b>	Soil erosion and sinkhole possibility
<b>Primary Driver:</b>	Environmental and financial impacts (i.e., property), compliance, and proper conveyance of sewage
<b>Cost Estimate:</b>	\$25k - \$60k depending on flow volume, depth, size, and placement of pipe
<b>Method of Delivery:</b>	Subcontractor



### Lancewood Ave

<b>Project Number:</b>	311-8_311-9_3DC1A
<b>Problem or Opportunity:</b>	Visible break in the sewer line between manholes 311-8 and 311-9 at 94.9 ft.
<b>Condition Score:</b>	5
<b>Criticality Score:</b>	5
<b>Recommended Solution:</b>	Replace a section of the sewer line
<b>Measurable Benefits:</b>	Avoid potential SSO, prevent further line damage, prevent soil erosion and contamination, and eliminate inflow & infiltration to the WWTP
<b>Basis of Recommendation:</b>	Degradation of the sewer line and the surrounding soil

- Assumptions/Risks:** Soil erosion and sinkhole possibility
- Primary Driver:** Environmental and financial impacts (i.e., property), compliance, and proper conveyance of sewage
- Cost Estimate:** \$25k - \$60k depending on flow volume, depth, size, and placement of pipe
- Method of Delivery:** Subcontractor



### **Bloomington Ave**

- Project Number:** 328-77\_344-18\_336E7
- Problem or Opportunity:** Visible hole in the sewer line between manholes 328-77 and 344-18 at 117.7 ft.
- Condition Score:** 5
- Criticality Score:** 5
- Recommended Solution:** Replace a section of the sewer line
- Measurable Benefits:** Avoid potential SSO, prevent further line damage, prevent soil erosion and contamination, and eliminate inflow & infiltration to the WWTP

<b>Basis of Recommendation:</b>	Degradation of the sewer line and the surrounding soil
<b>Assumptions/Risks:</b>	Soil erosion and sinkhole possibility
<b>Primary Driver:</b>	Environmental and financial impacts (i.e., property), compliance, and proper conveyance of sewage
<b>Cost Estimate:</b>	\$25k - \$60k depending on flow volume, depth, size, and placement of pipe
<b>Method of Delivery:</b>	Subcontractor



**Spruce Ave**

<b>Project Number:</b>	328-56_328-58_FF705
<b>Problem or Opportunity:</b>	Visible hole in the sewer line between manholes 328-56 and 328-58 at 108.8 ft.
<b>Condition Score:</b>	5
<b>Criticality Score:</b>	5
<b>Recommended Solution:</b>	Replace a section of the sewer line
<b>Measurable Benefits:</b>	Avoid potential SSO, prevent further line damage, prevent soil erosion and contamination, and eliminate inflow & infiltration to the WWTP
<b>Basis of Recommendation:</b>	Degradation of the sewer line and the surrounding soil

**Assumptions/Risks:** Spruce Soil erosion and sinkhole possibility

**Primary Driver:** Environmental and financial impacts (i.e., property), compliance, and proper conveyance of sewage

**Cost Estimate:** \$25k - \$60k depending on flow volume, depth, size, and placement of pipe

**Method of Delivery:** Subcontractor



### Riverside Ave

**Project Number:** 250-63\_250-69\_62534

**Problem or Opportunity:** Protruding lateral in the sewer line between manholes 250-63 and 250-69 at 283 ft.

**Condition Score:** 5

**Criticality Score:** 5

**Recommended Solution:** Replace a section of the sewer line

**Measurable Benefits:** Avoid potential SSO, prevent further line damage, prevent soil erosion and contamination, and eliminate inflow & infiltration to the WWTP

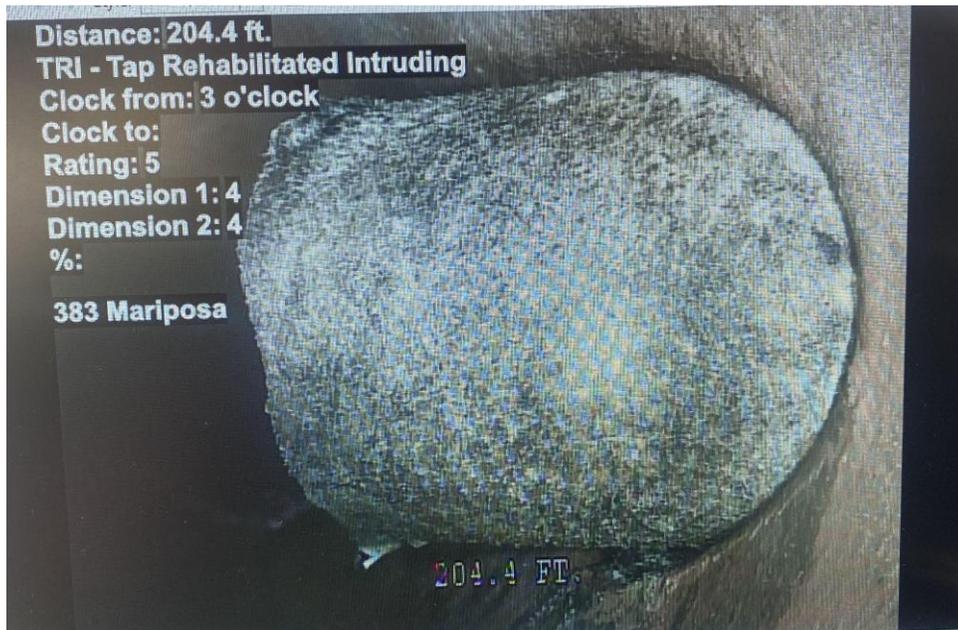
<b>Basis of Recommendation:</b>	Degradation of the sewer line and the surrounding soil
<b>Assumptions/Risks:</b>	Soil erosion and sinkhole possibility
<b>Primary Driver:</b>	Environmental and financial impacts (i.e., property), compliance, and proper conveyance of sewage
<b>Cost Estimate:</b>	\$5k - \$15k depending on flow volume, depth, size, and placement of pipe
<b>Method of Delivery:</b>	Subcontractor



**383 Mariposa**

<b>Project Number:</b>	1755075880
<b>Problem or Opportunity:</b>	Protruding Lateral liner
<b>Condition Score:</b>	5
<b>Criticality Score:</b>	5
<b>Recommended Solution:</b>	Cut protruding liner.
<b>Measurable Benefits:</b>	Avoid potential SSO, prevent further line damage, prevent soil erosion and contamination, and eliminate inflow & infiltration to the WWTP
<b>Basis of Recommendation:</b>	Degradation of the sewer line and the surrounding soil

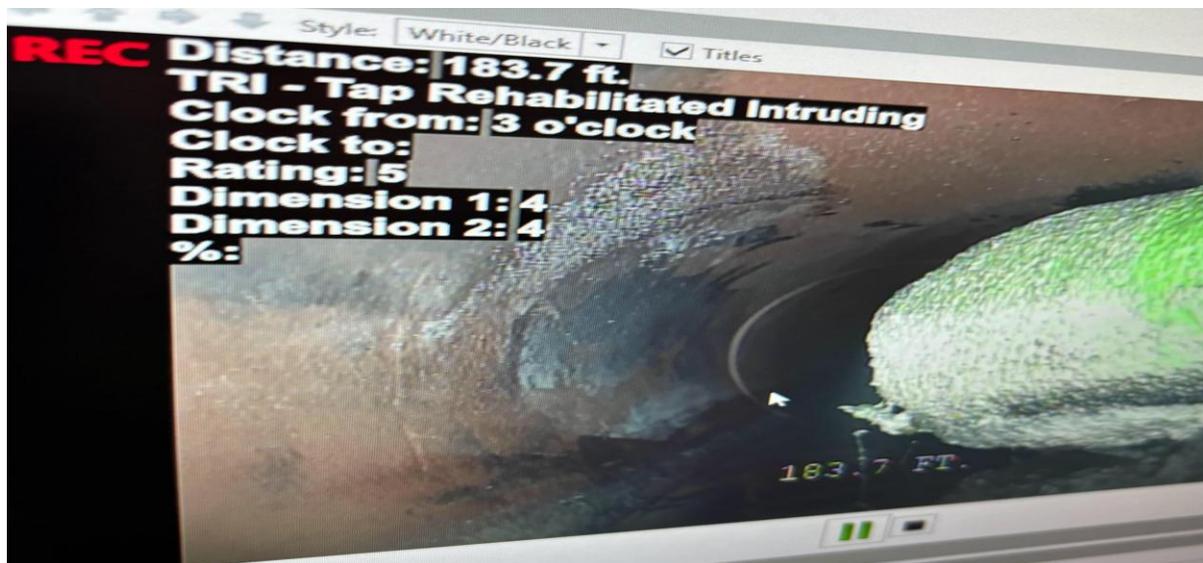
<b>Assumptions/Risks:</b>	Soil erosion and sinkhole possibility
<b>Primary Driver:</b>	Environmental and financial impacts (i.e., property), compliance, and proper conveyance of sewage
<b>Cost Estimate:</b>	\$5k - \$15k depending on flow volume, depth, size, and placement of pipe
<b>Method of Delivery:</b>	Subcontractor



**1356 N. Olive**

<b>Project Number:</b>	1747913009
<b>Problem or Opportunity:</b>	Protruding Lateral liner
<b>Condition Score:</b>	5
<b>Criticality Score:</b>	5
<b>Recommended Solution:</b>	Cut protruding liner.
<b>Measurable Benefits:</b>	Avoid potential SSO, prevent further line damage, prevent soil erosion and contamination, and eliminate inflow & infiltration to the WWTP

<b>Basis of Recommendation:</b>	Degradation of the sewer line and the surrounding soil
<b>Assumptions/Risks:</b>	Soil erosion and sinkhole possibility
<b>Primary Driver:</b>	Environmental and financial impacts (i.e., property), compliance, and proper conveyance of sewage
<b>Cost Estimate:</b>	\$5k - \$15k depending on flow volume, depth, size, and placement of pipe
<b>Method of Delivery:</b>	Subcontractor



**236 E Home**

<b>Project Number:</b>	1747912270
<b>Problem or Opportunity:</b>	Protruding Lateral liner
<b>Condition Score:</b>	5
<b>Criticality Score:</b>	5
<b>Recommended Solution:</b>	Cut protruding liner.
<b>Measurable Benefits:</b>	Avoid potential SSO, prevent further line damage, prevent soil erosion and contamination, and eliminate inflow & infiltration to the WWTP
<b>Basis of Recommendation:</b>	Degradation of the sewer line and the surrounding soil

**Assumptions/Risks:**

Soil erosion and sinkhole possibility

**Primary Driver:**

Environmental and financial impacts (i.e., property), compliance, and proper conveyance of sewage

**Cost Estimate:**

\$5k - \$15k depending on flow volume, depth, size, and placement of pipe

**Method of Delivery:**

Subcontractor

