Rialto Water Services, LLC
P.O. Box 920
Bolinas, CA 94924
415 710-0906

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,



Peter Luchetti, President
Rialto Water Services LLC

Attachment:

RIALTO WATERSERVICES

SUMMARY TABLE RIALTO WASTEWATER SYSTEM CCTV IDENTIFIED AREAS OF CONCERN

9-11-1025

Page	Status	Title	Number	Description	Condition Score	Criticality Score	Solution	Cost Estimate Low	Cost Estimate 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 #q	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 dmaged section of sewer line	$25,000	$60,000
17	RED	Acacia Ave	251-47, 251-48 FB376	Communicaiton line ran into the sewer line 214 feet downt he line	5	5	Replace dmaged 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 dmaged section of sewer line	$25,000	$60,000
19	RED	Walnut	186-29, 186-30 88356	Vidable break in sewer line between manholes 186-29 and 186-30	5	5	Replace dmaged section of sewer line	$25,000	$60,000
23	RED	Lancewood Ave	311-8, 311-9 3DC1A	Visable break in sewer line between manholes 311-8 and 311-9 at 94.9 ft.	5	5	Replace dmaged section of sewer line	$25,000	$60,000
25	RED	Spruce Ave.	328-56, 328-58 FF705	Visable hole in sewer line between manholes 328-56 and 328-58 at 108.8 ft.	5	5	Replace dmaged section of sewer line	$25,000	$60,000
2	YELLOW	Lamcewood 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 circualr cutter to trim excess lateral	$10,000	$10,000
15	YELLOW	Miallard Ave (375 ft)	233-38, 233-48 938A1	Lateral protruding into the sewer line	5	5	Use circualr cutter to trim excess lateral	$25,000	$60,000
20	YELLOW	Chestnut Ave.	188-5, 204-13 D	Visable break in sewer line between manholes 188-5 and 204-13 at 100.6 ft.	5	5	Replace dmaged section of sewer line	$25,000	$60,000
21	YELLOW	Van Koevering St.	234-33, 233-34 DAC32	Visable break in sewer line between manholes 234-33 and 234-34 at 150 ft	5	5	Replace dmaged 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 25--63 and 250-69 at 283 ft.	5	5	Replace dmaged 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 circualr 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 circualr cutter to trim excess lateral	$10,000	$10,000
22	ORANGE	Fillmore Ave	264-60, 264-61 DF087	Visable break in sewer liine between manholes 264-60, 264-61 at 32.1 ft.	5	5	Replace dmaged section of sewer line	$25,000	$60,000
24	ORANGE	Bloomington Ave	328-77, 344-18 336E7	Visable hole in sewer line between manholes 328-77 and 344-18 at 117.7 ft.	5	5	Replace dmaged 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
								$625,000	**$1,470,000**

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

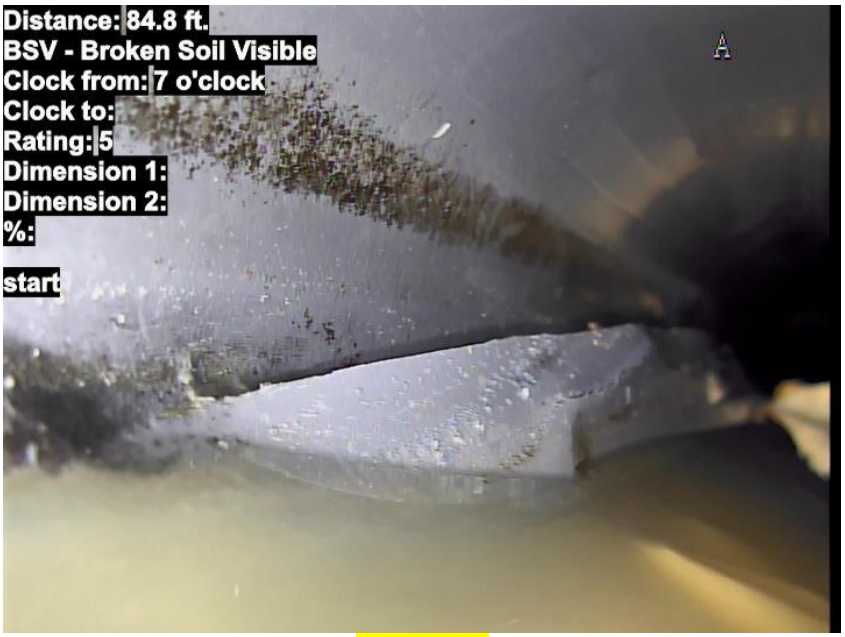
Sycamore St

Project Number:	267-1_267-2
Problem or Opportunity:	Void in the sewer line 55’ downstream
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



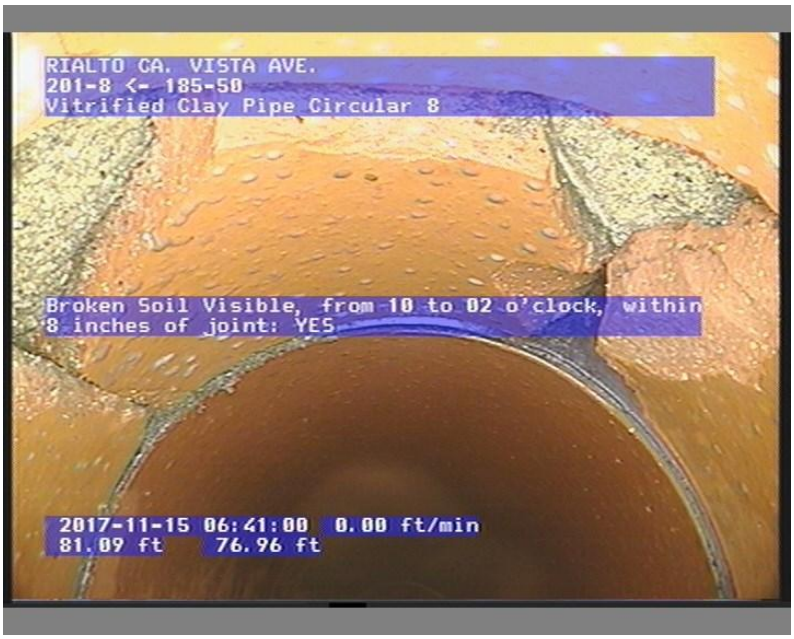
Lancewood Ave

Project Number:	251-47_251-48
Problem or Opportunity:	Broken section of pipe
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



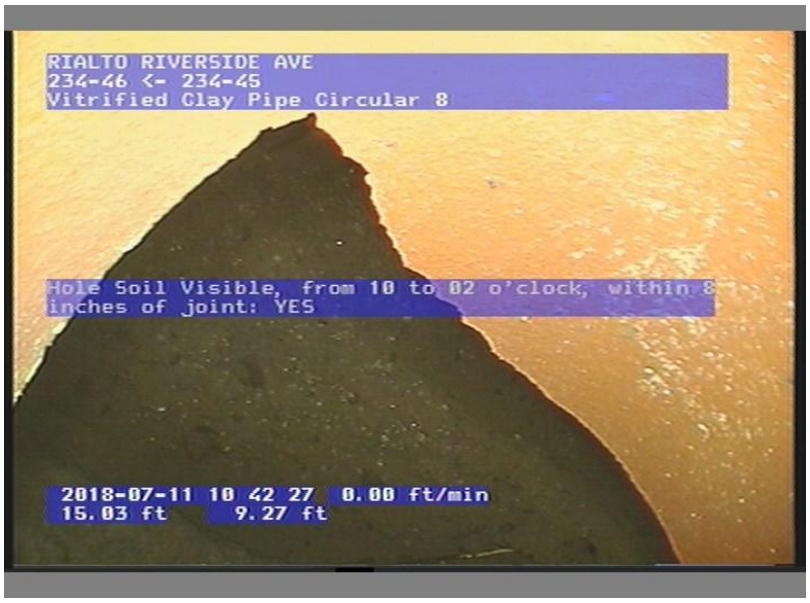
Vista Ave

Project Number:	185-50_201-8
Problem or Opportunity:	Broken section of pipe
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



Riverside Ave

Project Number:	234-45_234-46
Problem or Opportunity:	Broken section of pipe
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



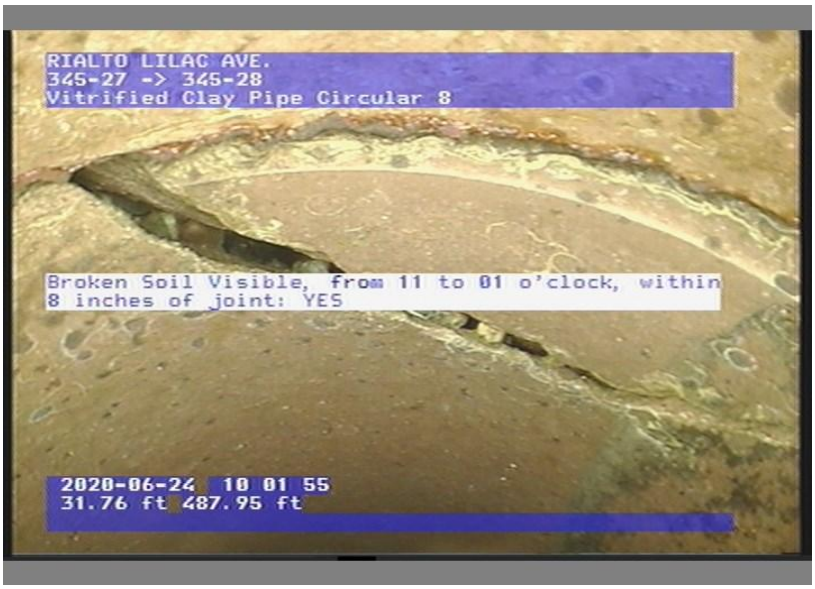
Lilac Ave

Project Number:	233-29_233-45
Problem or Opportunity:	Broken section of pipe
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



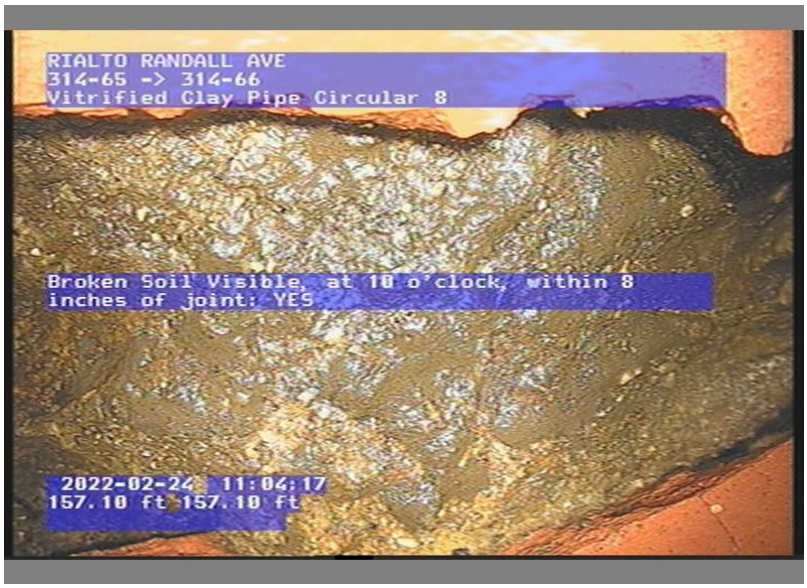
Lilac Ave #2

Project Number:	345-27_345-28
Problem or Opportunity:	Broken section of pipe
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



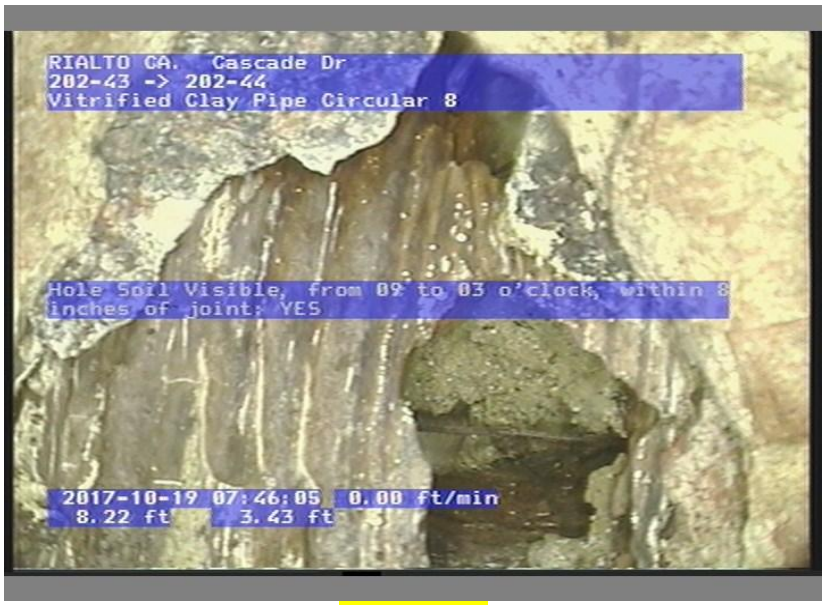
Randall Ave

Project Number:	314-65_314-66
Problem or Opportunity:	Broken section of pipe
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



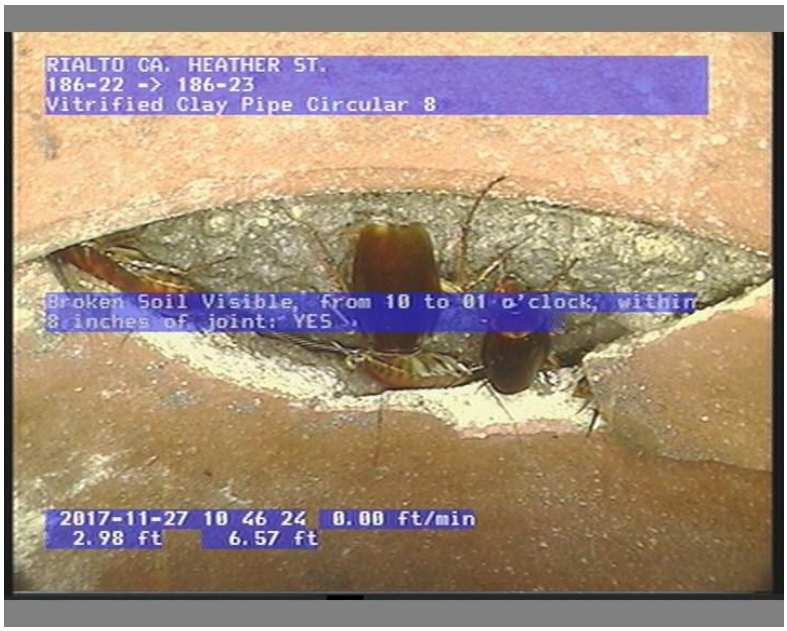
Cascade Dr

Project Number:	202-43_202-44
Problem or Opportunity:	Broken section of pipe
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



Heather St

Project Number:	186-22_186-23
Problem or Opportunity:	Broken section of pipe
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



Holly St #1

Project Number:	1730892967
Problem or Opportunity:	A section of the sewer line is missing
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 corrosion 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



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

Project Number: 1731500522

Problem or Opportunity: Broken section of 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

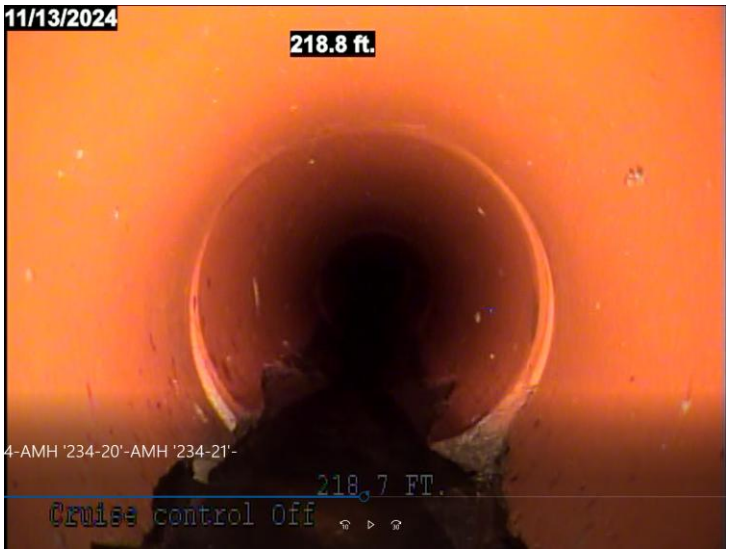
Assumptions/Risks: Soil erosion and sinkhole possibility

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: Subcontrator



Shamrock St

Project Number:	218-53_219-6_0548F
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



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

Project Number: 249-13_249-14_01E4C

Problem or Opportunity: A section of the sewer line is missing at 7ft 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



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

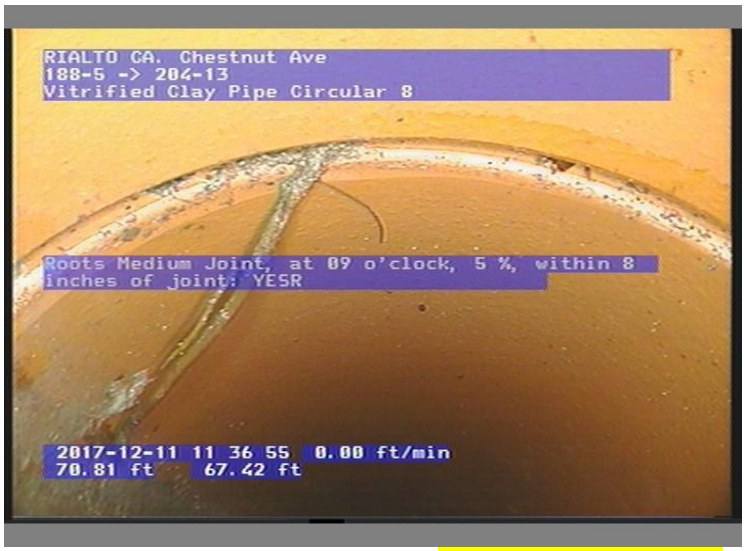
Basis of Recommendation: Degradation of the sewer line and the surrounding soil

Assumptions/Risks: Soil erosion and sinkhole possibility

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



Van Koevering St

Project Number: 234-33_234-34_DAC32

Problem or Opportunity: Visible break in the sewer line between manholes 234-33 and 234-34 at 150 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

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



Fillmore Ave

Project Number:	264-60_264-61_DFO87
Problem or Opportunity:	Visible break in the sewer line between manholes 264-60 and 264-61 at 32.1 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
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



Lancewood Ave

Project Number:	311-8_311-9_3DC1A
Problem or Opportunity:	Visible break in the sewer line between manholes 311-8 and 311-9 at 94.9 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

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

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



Spruce Ave

Project Number:	328-56_328-58_FF705
Problem or Opportunity:	Visible hole in the sewer line between manholes 328-56 and 328-58 at 108.8 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: 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

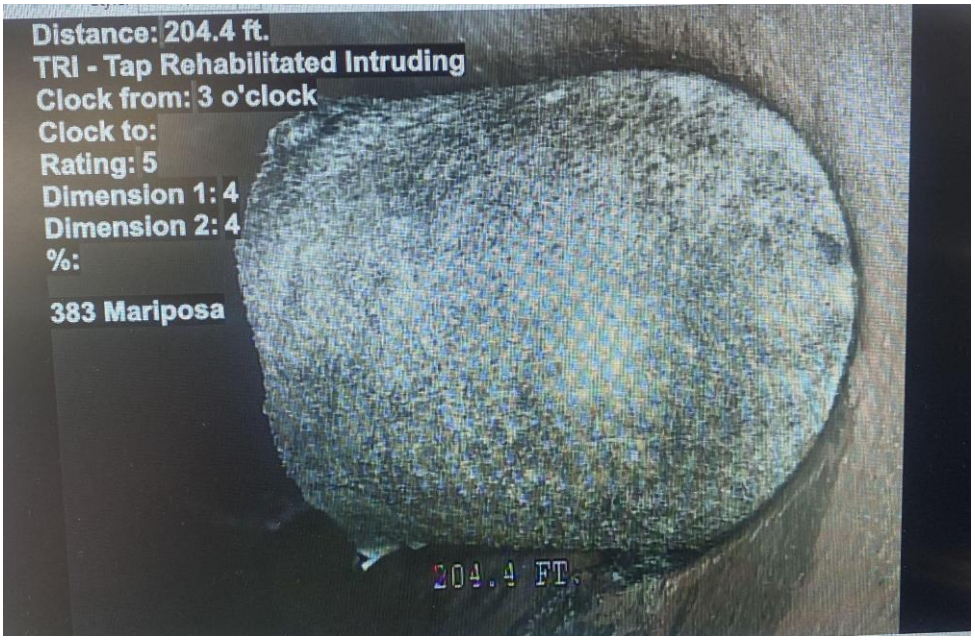
Basis of Recommendation:	Degradation of the sewer line and the surrounding soil
Assumptions/Risks:	Soil erosion and sinkhole possibility
Primary Driver:	Environmental and financial impacts (i.e., property), compliance, and proper conveyance of sewage
Cost Estimate:	$5k - $15k depending on flow volume,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



383 Mariposa

Project Number:	1755075880
Problem or Opportunity:	Protruding Lateral liner
Condition Score:	5
Criticality Score:	5
Recommended Solution:	Cut protruding liner.
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:	$5k - $15k depending on flow volume, depth, size, and placement of pipe
Method of Delivery:	Subcontractor



1356 N. Olive

Project Number:	1747913009
Problem or Opportunity:	Protruding Lateral liner
Condition Score:	5
Criticality Score:	5
Recommended Solution:	Cut protruding liner.
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:	$5k - $15k depending on flow volume, depth, size, and placement of pipe
Method of Delivery:	Subcontractor



236 E Home

Project Number:	1747912270
Problem or Opportunity:	Protruding Lateral liner
Condition Score:	5
Criticality Score:	5
Recommended Solution:	Cut protruding liner.
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:	$5k - $15k depending on flow volume, depth, size, and placement of pipe
Method of Delivery:	Subcontractor

