

HOMESTEAD VALLEY SANITARY DISTRICT
P.O. BOX 698, MILL VALLEY, CALIFORNIA 94942-0689 (415) 388-4796

DIRECTORS
President, Allan Leibof
Rick Montalvan, Secretary
Al Wuthnow
Alan Saltzman
Joan Florsheim

DISTRICT MANAGER
Bonner Beuhler

October 15, 2024

Elizabeth Aubuchon
Water Division (WTR-7)
U.S. Environmental Protection Agency, Region 9
75 Hawthorne Street
San Francisco, CA 94105

Re: Annual Report:

Dear Ms. Aubuchon,

Please find enclosed the annual report as required by EPA Enforcement Order Docket No. CWA-309(a)-08-030.

Section 1 Sewer System Cleaning and Root Control Program

1.1 Compliance Order Requirement

The Amended Order for Compliance (Docket No. CWA-309(a)-08-030) Paragraph III.A.3, Sewer System Cleaning and Root Control Program, states as follows:

“Beginning 2009, by October 15 of each year, SASM and the member agencies each shall submit an annual report to EPA documenting activities conducted under that agency’s sewer cleaning and root control program during the previous annual cycle, including miles of pipe cleaned as part of the routine and hot spot cleaning programs and miles of pipe treated by each method used for controlling roots. SASM and the member agencies each shall include a description of the success of the sewer cleaning and root control program at preventing blockages and sewage overflows as well as any changes to be made to the program to further reduce spills”.

1.2 Annual Report for Sewer System Cleaning and Root Control Program

District Pipe - 69,040 feet 13.08 miles	10/16/16 - 10/15/17	10/16/17 - 10/15/18	10/16/18 - 10/15/19	10/16/19 - 10/15/20	10/16/20 - 10/15/21	10/16/21 - 10/15/22	10/16//22 10/15/23	10/16//23 10/15/24
Pipe Cleaned - feet	9,565	16,511	6,267	22,842	8,965	15,002	3,149	9,300
Pipe Cleaned - miles	1.811	3.127	1.187	4.326	1.698	2.841	0.5964	1.761

Homestead Valley Sanitary District (Homestead Valley) cleans approximately a third of the district annually. Homestead Valley uses Roto Rooter as the district's sewer line maintenance contractor. The majority of cleaning is by rodding. Hydroflushing is generally used on plastic or HDPE pipe or in conjunction with rodding where lines are flat and subject to grit buildup or where grease has been a problem in the past. Homestead Valley does not use chemical root treatment.

SSO Reduction Statistics:

01/01/06 - 12/31/06	6
01/01/07 - 12/31/07	17
01/01/08 - 12/31/08	9
01/01/09 - 10/15/09	1
10/16/09 - 10/15/10	3
10/16/10 - 10/15/11	5
10/16/11 - 10/15/12	4
10/16/12 - 10/15/13	10
10/16/13 - 10/15/14	8
10/16/14 - 10/15/15	15
10/16/15 - 10/15/16	8
10/16/16 - 10/15/17	4
10/16/17 - 10/15/18	7
10/16/18 - 10/15/19	3
10/16/19 - 10/15/20	7
10/16/20 - 10/15/21	1
10/16/21 - 10/15/22	5
10/16/22 - 10/15/23	1
10/16/23 - 10/15/24	3

The District had three SSOs from October 16, 2023 to October 15, 2024. (See attached CIWIQ's printout). Volume was approximately 685 gallons total.

Section 2 Pump Station Reliability Certification

Pump Stations & Force mains:

Homestead Valley Sanitary District has no pump stations or force mains.

Section 3 Sewer Pipe and Maintenance Hole Inspection and Condition Assessment

3.1 Compliance Order Requirement

The Amended Order for Compliance (Docket No. CWA-309(a)-08-030) Paragraph IV.A.3, Sewer Pipe and Maintenance Hole Inspection and Condition Assessment, states as follows:

“By October 15, 2009, SASM and the member agencies each shall submit an annual progress report to EPA summarizing the inspection methods and findings of the sewer pipe condition

assessments conducted during the previous year and the estimated miles of sewer pipe and number of maintenance holes to be inspected during the current year.”

3.2 Annual Report for Sewer Pipe and Maintenance Hole Inspection and Condition Assessment

3.3 Sewer Condition Assessment Findings of Previous Annual Cycle

Homestead Valley has substantially completed a comprehensive CCTV program of the entire collection system. Homestead Valley is continuing to work to televise those lines that have indicated potential problems noted during the annual cleaning program.

Section 4 Flow Monitoring Results

Compliance Order Requirement

The Amended Order for Compliance (Docket No. CWA-309(a)-08-030) Paragraph IV.B.2, Capacity Assessment, states as follows:

“By October 15, 2009 and each year thereafter, SASM and the member agencies each shall submit a report to EPA providing the results of collection system flow monitoring, including average dry weather flow and peak wet weather flow from each of the member agency collection systems.”

4.1 Annual Report of Flow Monitoring Results

The district conducted no flow monitoring during the reporting period.

Section 5 Infrastructure Renewal Program

5.1 Compliance Order Requirement

The Amended Order for Compliance (Docket No. CWA-309(a)-08-030) Paragraph VI.B, Infrastructure Renewal, states as follows:

Beginning 2008, by October 15 of each year, SASM and the member agencies each shall submit an annual report to EPA documenting sewer repair, rehabilitation or replacement activities completed in the previous year; describing projects to be completed in the coming annual cycle; and providing the current 10-year Capital Improvement Plan (CIP) and any updates to that CIP. We have requested termination of the order.

5.2 Annual Report for Infrastructure Renewal Program

Homestead Valley measures the progress of its infrastructure renewal program by the number of feet of pipe replaced and/or repaired and rehabilitated during the past budgeting cycle.

Sewer Repair, Rehabilitation and Replacement Activities Completed in Previous Annual Cycle.

PRIOR CIP ACTIVITIES:

HVSD CIP - PRIOR YEARS	Bid	Bid	Final		Notice of	Final
JOBDESCRP	Opening	Amount	Amount	Engineering	Completion	Footage
Sewer Extension, Glen Grae	4/17/1989	\$22,266				
Homestead Blvd Sewer Extension	6/14/1990	\$27,550				
Tamalpais Drive Montford to Laurel (CR) see #6316	4/22/1997	\$58,210			7/30/1997	
Sewer Rehabilitation Project Tamalpais Montford	7/15/2002	\$107,701			9/24/2002	

Cleaning and Televising of Sewer System	1/23/2003	\$46,020			12/9/2003	
Sewer Rehabilitation Project 2004	3/18/2004	\$138,000			8/5/2004	
2005 Sewer Rehab - Sewer Rehabilitation Project - Evergreen Ave	4/12/2005 1/18/2007	\$246,240 \$275,003			8/26/2005 6/1/2007	
2008 Sewer Rehabilitation Project - Evergreen	2/14/2008	\$126,943			6/17/2008	
2009 Televising Project - CR (see 7813)	10/8/2009	\$27,288				

RECENT CIP ACTIVITIES:

HVSD CIP 2009 - 2013						
2009 Collaborative Project	10/15/2009	\$95,053	\$98,368	\$18,643	8/24/2010	589
2010-2011 Pipebursting Project	3/22/2010	\$364,968	\$471,041	\$70,783	10/4/2010	4,288
2011 Pipebursting Project	2/22/2011	\$122,894	\$214,530	\$73,779	10/26/2011	1,830
2013-2104 CIP LaVerne & Reed-	5/22/2013	\$144,987	\$222,356	\$40,897	12/20/2013	941
			Construction	Engineering	Total Cost	Total ft.
			\$1,006,295	\$204,102	\$1,210,397	7,648

The CIP project for FY 2014/2015:

HVSD CIP 2014 - 2015		Cost	Feet	Line Segments replaced – manhole to manhole.
Pipeburst 10 inch	10/01/2014	\$14,400	40	500.09-500.11
New 8" HDPE Liner	10/01/2014	\$44,750	358	500.15-500.16-500.17
Upsize 6" to 8" via Pipeburst	10/01/2014	\$49,925	475	500.17-500.19-500.21-500.25
Pipeburst 6"	10/01/2014	\$151,330	1,531	513.05-513.07-513.09-513.11-513.15-513.17-513.22-513.18- 513.19; 531.09-531.20-531.21-531.24; 531.05-531.07-531.09; 531.05-531.09-531.24
		Total Cost	Total ft.	
		\$260,405	2,404	

The CIP project for FY 2015/2016:

HVSD CIP FY 2015 - 2016	Complete Date	Cost	Feet	Line Segments replaced – manhole to manhole.
Pipeburst 6"	4/15/16	\$524,329	4,762	Please see attached for details
		Total Cost	Total ft.	
		\$524,329	4,762	

The CIP project for FY 2016/2017:

HVSD CIP 10/16/16 – 10/15/17	Complete Date	Cost	Feet	Line Segments replaced – manhole to manhole.
Pipeburst 6"	9/15/16	\$147,921	995	500.17- 522.01, 522.01- 522.03, 400.17- 400.13, 400.13 – 400.11
		Total Cost	Total ft.	
		\$147,921	995	

2018 - 2019 CIP ACTIVITIES:

HVSD CIP FY 2018 - 2019	Complete-Date: Ongoing	Cost	Feet	Line Segments replaced – manhole to manhole.
Pipeburst 6" and 8"	As of 10/15/18	\$751,390	4,609	Please see attached for details

Total Cost	Total ft.	The HVSD Board approved up to \$1.25M for the current CIP program. Current work completed is detailed here. Additional work scheduled FY18/19
\$751,390	4,609	

HVSD CIP FY 2019 - 2020	Complete Date: Ongoing	Cost	Feet	Line Segments replaced – manhole to manhole.
Pipeburst 6" and 8"	As of 10/15/19	\$446,101	2,462	Please see attached for details
Pipeburst 6" and 8"	As of 10/15/20	\$794,685	3,171	Please see attached for details
Total Cost				The HVSD Board approved addition work for the CIP program. Current work completed is detailed here. Additional work scheduled FY20/21 for approximately 1,125 feet.
Total ft.				
\$1,240,786				
5,633				
HVSD CIP FY 2020- 2021	Complete Date:	Cost	Feet	Line Segments replaced – manhole to manhole.
Pipeburst 6" and 8"	As of 10/15/21	\$250,953	1,639	Please see attached for details
HVSD CIP FY 21/22- 2022	As of 10/15/22			Please see attached:
	Cost	Feet		
	Approx. \$ 357,000	2,567		
	As of 10/15/23			
HVSD CIP FY 22/23	Cost	Feet		
	Approx. \$ 963,000	5,597		
	As of 10/15/24			Please see attached:
HVSD CIP FY 23/24	Cost	Feet		
	Approx. \$ 1,4M	7,611		

Homestead Valley is committed to continuing the progress it has made in replacing old pipe at a pace of approximately 2% or \$250,000 per year but have exceeded that rate consistently. The District has replaced about 9,800 feet of pipe since FY 19/20. Beginning in 1974 the Homestead Valley began installing or replacing pipes with PVC or PE rather than VCP. To date, the district has 61,230 feet of PVC or PE pipe, which is approximately 90.7% of the district's 67,543 feet of installed pipe.

In the past reporting period HVSD replaced approximately an additional 7,611 ft. Over the past two reporting periods HVSD has replaced almost 20% of our old VCP collection system (13,208 FT.). We have approximately 6,300 ft. or about 9.3% left to do. We hope to finish this work within the next two years. We try to maintain some flexibility to accommodate the County of Marin's paving projects which are subject to change as well as short notice. Currently, we plan to continue with our collection system replacement projects at about the same rate in the next few years. HVSD televises all the connected laterals during our CIP projects and requires the homeowner to upgrade their laterals if defective. The District completed our Prop. 218 rate review in May 2021 and our current rate is \$1,475 for FY 24/25 (this was the last scheduled rate increase. This was required to pay for increased costs at treatment and disposal costs at SASM (\$38B bond) and to fund our CIP Projects. Currently, HVSD pays SASM about 34% of the revenue collected from sewer service charges and property tax revenue for collection, treatment and bond retirement

HOMESTEAD VALLEY SANITARY DISTRICT - 10		
YEAR	YEAR CIP BUDGET	LOCATION
2018-2019	\$1,250,000	Project completed
2019-2020	\$500,000	Project completed
2020-2021	\$250,953	Project completed
2021-2022	\$357,000	Project completed
2022-2023	\$962,763	Project completed
2023-2024	\$750,000	See Attached
2024-2025	\$750,000	To be determined

2025-2026		\$250,000	To be determined
2026-2027		\$250,000	To be determined
2027-2028		\$250,000	To be determined
2028-2029		\$250,000	To be determined
2029-2030		\$250,000	To be determined
2030-2031		\$250,000	To be determined
2031-2032		\$250,000	To be determined
2032-2033		\$250,000	To be determined

Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

X 

Bonner Beuhler
Homestead Valley Sanitary District, Manager

Cleaning Report

Pipe ID	Method	Easm	Length (ft)			Activ.	Follow-up Activ./Status	Contract.	Date	Results	Description
			L.F.	User	GIS Diam						
110.19-110.15	HF	<input type="checkbox"/>		223	6				11/13/2023	GRM	
110.21-110.19	SN	<input type="checkbox"/>	160	187	6				11/11/2023	GRL	
110.33-110.31	ROD	<input type="checkbox"/>	110	102	6				11/10/2023	RL	
110.35-110.33	ROD	<input type="checkbox"/>	200	205	6				11/10/2023	RL	
110.37-110.35	ROD	<input type="checkbox"/>	205	67	6				11/9/2023	RL	
110.39-110.37	ROD	<input type="checkbox"/>	275	272	6				11/9/2023	RL	
110.41-110.39	ROD	<input type="checkbox"/>	75	69	6				11/9/2023	RL	
110.43-110.41	ROD	<input type="checkbox"/>	375	297	6				11/9/2023	RL	
110.44-110.43	ROD	<input type="checkbox"/>	113	173	6				11/9/2023	RL	
110.45-110.44	ROD	<input type="checkbox"/>	87	133	6				11/9/2023	RL	
112.01-110.21	ROD	<input type="checkbox"/>	320	287	6				11/9/2023	RL	
112.01-110.21	HF	<input type="checkbox"/>	320	287	6				11/13/2023	GRM	
112.03-112.01	ROD	<input type="checkbox"/>	254	253	6				11/9/2023	RL	
112.09-112.07	ROD	<input type="checkbox"/>	100	82	6				11/9/2023	R	
112.11-112.09	ROD	<input type="checkbox"/>	150	145	6				11/9/2023	RL	
200.03-200.01	ROD	<input type="checkbox"/>		95	8				11/10/2023	RL	
201.17-201.13	SN	<input type="checkbox"/>		104	6				11/28/2023	RH	
420.19-420.17	HF	<input type="checkbox"/>	182	182	6				10/5/2024		Pacific Trenchless 2024 CIP
420.21-420.19	HF	<input type="checkbox"/>	75	74	6				10/5/2024		Pacific Trenchless 2024 CIP
420.23-420.21	HF	<input type="checkbox"/>	126	125	6				10/5/2024		Pacific Trenchless 2024 CIP
422.01-420.19	SN	<input type="checkbox"/>		26	6				11/28/2023	RL	
500.26-500.25	HF	<input type="checkbox"/>	164	173	6				2/26/2024	GRM	Trailer Jetter
500.27-500.26	HF	<input type="checkbox"/>	57	59	6				11/16/2023	GL	Trailer Jetter
500.27-500.26	HF	<input type="checkbox"/>	57	59	6				2/26/2024	GRM	Trailer Jetter
500.29-500.27	HF	<input type="checkbox"/>	255	248	6				11/16/2023	GL	Trailer Jetter
500.29-500.27	HF	<input type="checkbox"/>	255	248	6				2/26/2024	GRM	Trailer Jetter
500.31-500.29	HF	<input type="checkbox"/>		115	6				11/16/2023	GL	Trailer Jetter
500.32-500.31	HF	<input type="checkbox"/>		133	6				11/16/2023	GL	Trailer Jetter
500.33-500.32	HF	<input type="checkbox"/>		74	6				11/16/2023	GL	Trailer Jetter
500.35-500.33	HF	<input type="checkbox"/>		47	6				11/16/2023	GL	Trailer Jetter
500.37-500.35	HF	<input type="checkbox"/>		100	6				11/16/2023	GL	Trailer Jetter
500.39-500.37	HF	<input type="checkbox"/>	125	145	6				11/16/2023	GL	Trailer Jetter
500.41-500.39	HF	<input type="checkbox"/>	300	271	6				11/16/2023	GL	Trailer Jetter
500.43-500.41	HF	<input type="checkbox"/>	227	232	6				11/16/2023	GL	Trailer Jetter

Pipe ID	Method	Easm	Length (ft)			Activ.	Follow-up Activ./Status	Contract.	Date	Results	Description
			L.F.	User	GIS Diam						
540.01-500.43	HF	<input type="checkbox"/>			24	6			11/16/2023	GL	Trailer Jetter
540.01-500.43	HF	<input type="checkbox"/>			24	6			11/16/2023	GL	Trailer Jetter
540.03-540.01	HF	<input type="checkbox"/>	145		129	6			11/16/2023	GL	Trailer Jetter
540.05-540.03	HF	<input type="checkbox"/>	171		194	6			11/16/2023	GRL	Trailer Jetter
540.07-540.05	HF	<input type="checkbox"/>	214		106	6			11/16/2023	GRL	Trailer Jetter
540.09-540.07	HF	<input type="checkbox"/>			97	6			11/16/2023	GRL	Trailer Jetter
540.11-540.09	HF	<input type="checkbox"/>			141	6			11/16/2023	GRL	Trailer Jetter
540.13-540.11	HF	<input type="checkbox"/>	100		55	6			11/16/2023	GRL	Trailer Jetter
SubTotal:			8,726		9,300						
Total:			8,726		9,300						

Navigate to:

You are logged-in as: bbeuhler . If this account does not belong to you, please log out.

Sanitary Sewer Systems General Order – Spill Search[Back to Sanitary Sewer Systems Main Menu](#)Sanitary Sewer System: Homestead Valley Sanitary Dist CS
Regional Board: Region 2 - San Francisco BayAgency: Homestead Valley Sanitary District
WDID: 2SSO10143

Enter any search criteria and click "Search".

Agency:	<input type="text" value="Homestead Valley Sanitary District"/>		
Sanitary Sewer System:	<input type="text" value="Homestead Valley Sanitary Dist CS"/>		
WDID:	<input type="text" value="2SSO10143"/>		
Spill ID:	<input type="text"/>		
Location Name:	<input type="text"/>		
Street (Number+Name):	<input type="text"/>		
City:	<input type="text"/>	Zip: <input type="text"/>	County: <input type="text"/>
Regional Water Board:	<input type="text"/>		
Latitude:	<input type="text"/> deg. <input type="text"/> min. <input type="text"/> sec. OR <input type="text"/> decimal degrees		
Longitude:	<input type="text"/> deg. <input type="text"/> min. <input type="text"/> sec. OR <input type="text"/> decimal degrees		
Spill Date Range:	<input type="text"/> to <input type="text"/>		
Highlight auto upload in green	<input type="checkbox"/>		
SSO Certification Step:	<input type="text" value="All"/>		

SSO Report

Note: The search result includes all versions of a spill if it has been amended.

Spill Id	Status	Version	Region	Type	Category	Spill Volume	Collection System	WDID	Spill Start	Location Name	Address
<u>896586</u>	Certified	1.1	2	SSS	Monthly Category 3 Spill	250	Homestead Valley Sanitary Dist CS	2SSO10143	2024-09-11 17:15:00	RH 100.21	
<u>891544</u>	Certified	1.3	2	SSS	Monthly Category 3 Spill	50	Homestead Valley Sanitary Dist CS	2SSO10143	2023-12-07 10:30:00	RH 500.35	
<u>891291</u>	Certified	1.2	2	SSS	Monthly Category 3 Spill	385	Homestead Valley Sanitary Dist CS	2SSO10143	2023-11-11 09:30:00	MH 110.19	
<u>884971</u>	Certified	1.0	2	SSS	Category 1	765	Homestead Valley Sanitary Dist CS	2SSO10143	2022-12-26 12:00:00	RH 500.35	CA
<u>883330</u>	Certified	1.0	2	SSS	Category 3	25	Homestead Valley Sanitary Dist CS	2SSO10143	2022-09-13 19:50:00	MH 412.05	CA
<u>881895</u>	Certified	1.0	2	SSS	Category 3	25	Homestead Valley Sanitary Dist CS	2SSO10143	2022-06-19 09:00:00	MH 540.01	CA
<u>880068</u>	Certified	1.0	2	SSS	Category 3	10	Homestead Valley Sanitary Dist CS	2SSO10143	2022-03-21 06:30:00	503 Pixie Trail	CA
<u>878175</u>	Certified	1.0	2	SSS	Category 3	50	Homestead Valley Sanitary Dist CS	2SSO10143	2021-11-20 17:00:00	RH 422.03	CA
<u>877913</u>	Certified	1.0	2	SSS	Category 3	75	Homestead Valley Sanitary Dist CS	2SSO10143	2021-11-27 18:00:00	MH 101.03	CA
<u>873376</u>	Certified	1.0	2	SSS	Category 3	850	Homestead Valley	2SSO10143	2021-04-03	RH 541.19	CA

Homestead Valley Sanitary District Pipe History Report

Date Range: from 10/16/23 to 10/15/24
 History Code Filter: HF; SN; ROD
 History Result Filter: ALL

History Type Filter: ALL
 Activity Filter: ALL
 Contractor Filter: ALL

Followup Status: ALL

Pipe ID	Method	Easm	Length (ft)		Activ.	Follow-up Activ./Status	Contract.	Date	Results	Description
			L.F.	GIS Diam						
100.14-100.12	SN	<input type="checkbox"/>		63	6			11/28/2023	RL	
100.15-100.13	ROD	<input type="checkbox"/>	115	125	6			11/8/2023	R	
100.17-100.15	ROD	<input type="checkbox"/>	165	150	6			11/8/2023		Rod Hole Buried
100.19-100.17	ROD	<input type="checkbox"/>	130	129	6			11/8/2023		Rod Hole Buried
100.21-100.19	ROD	<input type="checkbox"/>	160	181	6			11/8/2023	RH	
100.23-100.21	ROD	<input type="checkbox"/>	240	106	6			11/8/2023	RL	
100.31-100.29	ROD	<input checked="" type="checkbox"/>	120	101	6			11/10/2023	RL	
100.51-100.49	ROD	<input type="checkbox"/>	200	197	6			11/10/2023	RL	
100.61-100.45	ROD	<input type="checkbox"/>	220	175	6			11/10/2023	RL	
100.63-100.61	ROD	<input type="checkbox"/>	120	119	6			11/10/2023	RL	
101.01-100.11	HF	<input type="checkbox"/>	100	101	6			11/13/2023	GM	
101.03-101.01	HF	<input type="checkbox"/>	135	111	6			11/13/2023	GM	
101.05-101.03	ROD	<input type="checkbox"/>	280	225	6			11/9/2023	R	
101.07-101.05	ROD	<input type="checkbox"/>	200	213	6			11/8/2023	RH	
101.09-101.07	ROD	<input type="checkbox"/>	50	75	6			11/8/2023	R	
102.21-100.19	ROD	<input type="checkbox"/>	190	201	6			11/8/2023	RL	
103.21-100.31	ROD	<input type="checkbox"/>	200	153	6			11/10/2023	RL	
103.31-100.33	ROD	<input type="checkbox"/>	80	68	6			11/10/2023	RL	
110.01-100.23	ROD	<input type="checkbox"/>	25	17	6			11/8/2023	RL	
110.03-110.01	ROD	<input type="checkbox"/>	350	223	6			11/8/2023	RL	
110.05-110.03	ROD	<input type="checkbox"/>	50	85	6			11/8/2023	R	
110.07-110.05	ROD	<input type="checkbox"/>	100	112	6			11/8/2023	R	
110.07-110.05	HF	<input type="checkbox"/>	100	112	6			11/13/2023	GRM	
110.15-110.11	HF	<input type="checkbox"/>	200	196	6			11/13/2023	GRM	

Type: Cleaning

Homestead Valley Sanitary District Pipe History Report

Date Range: from 10/15/23 to 10/15/24
 History Code Filter: RPB; RWL
 History Result Filter: ALL

History Type Filter: ALL
 Activity Filter: ALL
 Contractor Filter: ALL

Followup Status: ALL

Pipe ID	Method	Easm	Length (ft)		Activ.	Follow-up Activ./Status	Contract.	Date	Results	Description
			L.F.	GIS Diam						
Type: Repair										
100.51-100.49	RWL	<input type="checkbox"/>	200	197	6			10/5/2024		Pacific Trenchless 2024 CIP
100.61-100.45	RWL	<input type="checkbox"/>	220	175	6			10/5/2024		Pacific Trenchless 2024 CIP
100.63-100.61	RWL	<input type="checkbox"/>	120	119	6			10/5/2024		Pacific Trenchless 2024 CIP
110.33-110.31	RPB	<input type="checkbox"/>	110	102	6			10/5/2024		Pacific Trenchless 2024 CIP
110.35-110.33	RPB	<input type="checkbox"/>	200	205	6			10/5/2024		Pacific Trenchless 2024 CIP
110.37-110.35	RPB	<input type="checkbox"/>	205	67	6			10/5/2024		Pacific Trenchless 2024 CIP
110.39-110.37	RPB	<input type="checkbox"/>	275	272	6			10/5/2024		Pacific Trenchless 2024 CIP
110.41-110.39	RPB	<input type="checkbox"/>	75	69	6			10/5/2024		Pacific Trenchless 2024 CIP
110.43-110.41	RPB	<input type="checkbox"/>	375	297	6			10/5/2024		Pacific Trenchless 2024 CIP
110.44-110.43	RPB	<input type="checkbox"/>	113	173	6			10/5/2024		Pacific Trenchless 2024 CIP
110.45-110.44	RPB	<input type="checkbox"/>	87	133	6			10/5/2024		Pacific Trenchless 2024 CIP
112.01-110.21	RPB	<input type="checkbox"/>	320	287	6			10/5/2024		Pacific Trenchless 2024 CIP
112.03-112.01	RPB	<input type="checkbox"/>	254	253	6			10/5/2024		Pacific Trenchless 2024 CIP
112.07-112.03	RPB	<input type="checkbox"/>	250	269	6			10/5/2024		Pacific Trenchless 2024 CIP
112.20-112.03	RPB	<input type="checkbox"/>	46	45	6			10/5/2024		Pacific Trenchless 2024 CIP
112.41-112.11	RPB	<input type="checkbox"/>	140	134	6			10/5/2024		Pacific Trenchless 2024 CIP
300.07-300.05	RWL	<input type="checkbox"/>	85	83	12			10/15/2023		Pacific Trenchless 2023 CIP
301.01-300.03	RWL	<input type="checkbox"/>		335	6			10/15/2023		Pacific Trenchless 2023 CIP
301.11-300.05	RWL	<input type="checkbox"/>		31	6			10/15/2023		Pacific Trenchless 2023 CIP
301.13-301.11	RWL	<input type="checkbox"/>		66	6			10/15/2023		Pacific Trenchless 2023 CIP
301.15-301.13	RWL	<input type="checkbox"/>		190	6			10/15/2023		Pacific Trenchless 2023 CIP
301.17-301.15	RWL	<input type="checkbox"/>		105	6			10/15/2023		Pacific Trenchless 2023 CIP
301.21-300.09	RWL	<input type="checkbox"/>		233	6			10/15/2023		Pacific Trenchless 2023 CIP
301.23-301.21	RWL	<input type="checkbox"/>		206	6			10/15/2023		Pacific Trenchless 2023 CIP

Pipe ID	Method	Easm	Length (ft)		Activ.	Follow-up Activ./Status	Contract.	Date	Results	Description
			L.F.	User						
301.25-301.23	RWL	<input type="checkbox"/>						10/15/2023		Pacific Trenchless 2023 CIP
301.51-300.13	RWL	<input type="checkbox"/>						10/15/2023		Pacific Trenchless 2023 CIP
410.01-413.01	RWL	<input type="checkbox"/>						10/15/2023		Pacific Trenchless 2023 CIP
413.01-413.05	RWL	<input type="checkbox"/>						10/15/2023		Pacific Trenchless 2023 CIP
420.11-420.09	RPB	<input type="checkbox"/>	95		281	6		10/5/2024		Pacific Trenchless 2024 CIP
420.11-420.09	RPB	<input type="checkbox"/>	95		281	6		10/5/2024		Pacific Trenchless 2024 CIP
420.13-420.11	RPB	<input type="checkbox"/>	121		122	6		10/5/2024		Pacific Trenchless 2024 CIP
420.17-420.13	RPB	<input type="checkbox"/>	215		215	6		10/5/2024		Pacific Trenchless 2024 CIP
450.01-400.27	RWL	<input type="checkbox"/>			168	6		10/15/2023		Pacific Trenchless 2023 CIP
450.01-400.27	RWL	<input type="checkbox"/>			168	6		10/15/2023		Pacific Trenchless 2023 CIP
501.21-500.31	RWL	<input type="checkbox"/>			57	6		10/15/2023		Pacific Trenchless 2023 CIP
513.03-513.30	RPB	<input type="checkbox"/>			36	6		10/15/2023		Pacific Trenchless 2023 CIP
513.05-513.03	RPB	<input type="checkbox"/>			262	6		10/15/2023		Pacific Trenchless 2023 CIP
513.30-510.05	RPB	<input type="checkbox"/>			305	6		10/15/2023		Pacific Trenchless 2023 CIP
521.05-521.03	RWL	<input type="checkbox"/>			201	6		10/15/2023		Pacific Trenchless 2023 CIP
521.07-521.05	RWL	<input type="checkbox"/>			386	6		10/15/2023		Pacific Trenchless 2023 CIP
522.11-522.09	RWL	<input type="checkbox"/>	80		48	6		10/5/2024		Pacific Trenchless 2024 CIP
542.13-542.11	RWL	<input type="checkbox"/>			260	6		10/15/2023		Pacific Trenchless 2023 CIP
SubTotal:			3,681		7,611					
Total:			3,681		7,611					

2 year replacement report

**Homestead Valley Sanitary District
Pipe History Report**

Date Range: from 10/16/2022 to 10/14/24
 History Code Filter: RPB; RWL
 History Result Filter: ALL

History Type Filter: ALL
 Activity Filter: ALL
 Contractor Filter: ALL

Followup Status: ALL

Pipe ID	Method	Easm	Length (ft)		Diam	Activ.	Follow-up Activ./Status	Contract.	Date	Results	Description
			L.F.	User							
Type: Repair											
100.51-100.49	RWL	<input type="checkbox"/>	200	197	6				10/5/2024		Pacific Trenchless 2024 CIP
100.61-100.45	RWL	<input type="checkbox"/>	220	175	6				10/5/2024		Pacific Trenchless 2024 CIP
100.63-100.61	RWL	<input type="checkbox"/>	120	119	6				10/5/2024		Pacific Trenchless 2024 CIP
103.11-100.29	RWL	<input type="checkbox"/>	150	181	6				2/1/2023		Pacific Trenchless 2022 CIP
103.13-103.11	RWL	<input type="checkbox"/>	100	106	6				2/1/2023		Pacific Trenchless 2022 CIP
103.15-103.13	RWL	<input type="checkbox"/>	150	97	6				2/1/2023		Pacific Trenchless 2022 CIP
110.33-110.31	RPB	<input type="checkbox"/>	110	102	6				10/5/2024		Pacific Trenchless 2024 CIP
110.35-110.33	RPB	<input type="checkbox"/>	200	205	6				10/5/2024		Pacific Trenchless 2024 CIP
110.37-110.35	RPB	<input type="checkbox"/>	205	67	6				10/5/2024		Pacific Trenchless 2024 CIP
110.39-110.37	RPB	<input type="checkbox"/>	275	272	6				10/5/2024		Pacific Trenchless 2024 CIP
110.41-110.39	RPB	<input type="checkbox"/>	75	69	6				10/5/2024		Pacific Trenchless 2024 CIP
110.43-110.41	RPB	<input type="checkbox"/>	375	297	6				10/5/2024		Pacific Trenchless 2024 CIP
110.44-110.43	RPB	<input type="checkbox"/>	113	173	6				10/5/2024		Pacific Trenchless 2024 CIP
110.45-110.44	RPB	<input type="checkbox"/>	87	133	6				10/5/2024		Pacific Trenchless 2024 CIP
112.01-110.21	RPB	<input type="checkbox"/>	320	287	6				10/5/2024		Pacific Trenchless 2024 CIP
112.03-112.01	RPB	<input type="checkbox"/>	254	253	6				10/5/2024		Pacific Trenchless 2024 CIP
112.07-112.03	RPB	<input type="checkbox"/>	250	269	6				10/5/2024		Pacific Trenchless 2024 CIP
112.20-112.03	RPB	<input type="checkbox"/>	46	45	6				10/5/2024		Pacific Trenchless 2024 CIP
112.41-112.11	RPB	<input type="checkbox"/>	140	134	6				10/5/2024		Pacific Trenchless 2024 CIP
300.07-300.05	RWL	<input type="checkbox"/>	85	83	12				10/15/2023		Pacific Trenchless 2023 CIP
301.01-300.03	RWL	<input type="checkbox"/>		335	6				10/15/2023		Pacific Trenchless 2023 CIP
301.11-300.05	RWL	<input type="checkbox"/>		31	6				10/15/2023		Pacific Trenchless 2023 CIP
301.13-301.11	RWL	<input type="checkbox"/>		66	6				10/15/2023		Pacific Trenchless 2023 CIP
301.15-301.13	RWL	<input type="checkbox"/>		190	6				10/15/2023		Pacific Trenchless 2023 CIP

Pipe ID	Method	Easm	Length (ft)		Activ.	Follow-up Activ./Status	Contract.	Date	Results	Description
			L.F.	User						
301.17-301.15	RWL	<input type="checkbox"/>		105	6			10/15/2023		Pacific Trenchless 2023 CIP
301.21-300.09	RWL	<input type="checkbox"/>		233	6			10/15/2023		Pacific Trenchless 2023 CIP
301.23-301.21	RWL	<input type="checkbox"/>		206	6			10/15/2023		Pacific Trenchless 2023 CIP
301.25-301.23	RWL	<input type="checkbox"/>		194	6			10/15/2023		Pacific Trenchless 2023 CIP
301.51-300.13	RWL	<input type="checkbox"/>		144	6			10/15/2023		Pacific Trenchless 2023 CIP
410.01-413.01	RWL	<input type="checkbox"/>		353	6			10/15/2023		Pacific Trenchless 2023 CIP
410.01-413.11	RWL	<input type="checkbox"/>		163	6			2/1/2023		Pacific Trenchless 2022 CIP
410.23-410.21	RWL	<input type="checkbox"/>		164	6			2/1/2023		Pacific Trenchless 2022 CIP
411.01-410.13	RWL	<input type="checkbox"/>		47	6			2/1/2023		Pacific Trenchless 2022 CIP
411.03-411.01	RWL	<input type="checkbox"/>		37	6			2/1/2023		Pacific Trenchless 2022 CIP
411.05-411.03	RWL	<input type="checkbox"/>		106	6			2/1/2023		Pacific Trenchless 2022 CIP
411.07-411.05	RWL	<input type="checkbox"/>		113	6			2/1/2023		Pacific Trenchless 2022 CIP
412.11-412.09	RWL	<input type="checkbox"/>		7	6			2/1/2023		Pacific Trenchless 2022 CIP
412.17-412.15	RWL	<input type="checkbox"/>		140	6			2/1/2023		Pacific Trenchless 2022 CIP
412.52-412.51	RWL	<input type="checkbox"/>		135	6			2/1/2023		Pacific Trenchless 2022 CIP
412.53-412.52	RWL	<input type="checkbox"/>		32	6			2/1/2023		Pacific Trenchless 2022 CIP
412.53-412.52	RWL	<input type="checkbox"/>		32	6			2/1/2023		Pacific Trenchless 2022 CIP
412.75-412.73	RWL	<input type="checkbox"/>		89	6			2/1/2023		Pacific Trenchless 2022 CIP
412.77-412.75	RWL	<input type="checkbox"/>		172	6			2/1/2023		Pacific Trenchless 2022 CIP
412.79-412.77	RWL	<input type="checkbox"/>		96	6			2/1/2023		Pacific Trenchless 2022 CIP
412.79-412.77	RWL	<input type="checkbox"/>		96	6			2/1/2023		Pacific Trenchless 2022 CIP
412.81-412.79	RWL	<input type="checkbox"/>		211	6			2/1/2023		Pacific Trenchless 2022 CIP
412.83-412.81	RWL	<input type="checkbox"/>		73	6			2/1/2023		Pacific Trenchless 2022 CIP
412.91-412.75	RWL	<input type="checkbox"/>		70	6			2/1/2023		Pacific Trenchless 2022 CIP
412.92-412.91	RWL	<input type="checkbox"/>		66	6			2/1/2023		Pacific Trenchless 2022 CIP
412.93-412.92	RWL	<input type="checkbox"/>		7	6			2/1/2023		Pacific Trenchless 2022 CIP
412.94-412.79	RWL	<input type="checkbox"/>		121	6			2/1/2023		Pacific Trenchless 2022 CIP
412.95-412.94	RWL	<input type="checkbox"/>		6	6			2/1/2023		Pacific Trenchless 2022 CIP
413.01-413.05	RWL	<input type="checkbox"/>		84	6			10/15/2023		Pacific Trenchless 2023 CIP
414.13-414.11	RWL	<input type="checkbox"/>		221	6			2/1/2023		Pacific Trenchless 2022 CIP
414.14-414.13	RWL	<input type="checkbox"/>		13	6			2/1/2023		Pacific Trenchless 2022 CIP
414.15-414.14	RWL	<input type="checkbox"/>		84	6			2/1/2023		Pacific Trenchless 2022 CIP
414.17-414.15	RWL	<input type="checkbox"/>		103	6			2/1/2023		Pacific Trenchless 2022 CIP
414.23-414.24	RWL	<input type="checkbox"/>		88	6			2/1/2023		Pacific Trenchless 2022 CIP

Pipe ID	Method	Easm	Length (ft)		Activ.	Follow-up Activ./Status	Contract.	Date	Results	Description
			L.F.	User						
414.25-414.23	RWL	<input type="checkbox"/>		291	6			2/1/2023		Pacific Trenchless 2022 CIP
414.41-414.14	RWL	<input type="checkbox"/>		90	6			2/1/2023		Pacific Trenchless 2022 CIP
414.43-414.41	RWL	<input type="checkbox"/>		114	6			2/1/2023		Pacific Trenchless 2022 CIP
414.45-414.43	RWL	<input type="checkbox"/>		86	6			2/1/2023		Pacific Trenchless 2022 CIP
420.11-420.09	RPB	<input type="checkbox"/>	95	281	6			10/5/2024		Pacific Trenchless 2024 CIP
420.11-420.09	RPB	<input type="checkbox"/>	95	281	6			10/5/2024		Pacific Trenchless 2024 CIP
420.13-420.11	RPB	<input type="checkbox"/>	121	122	6			10/5/2024		Pacific Trenchless 2024 CIP
420.17-420.13	RPB	<input type="checkbox"/>	215	215	6			10/5/2024		Pacific Trenchless 2024 CIP
420.19-420.17	RPB	<input type="checkbox"/>	182	182	6			10/5/2024		Pacific Trenchless 2024 CIP
420.21-420.19	RPB	<input type="checkbox"/>	75	74	6			10/5/2024		Pacific Trenchless 2024 CIP
420.23-420.21	RPB	<input type="checkbox"/>	126	125	6			10/5/2024		Pacific Trenchless 2024 CIP
422.03-422.01	RWL	<input type="checkbox"/>		109	6			2/1/2023		Pacific Trenchless 2022 CIP
422.05-422.03	RWL	<input type="checkbox"/>		122	6			2/1/2023		Pacific Trenchless 2022 CIP
422.07-422.05	RWL	<input type="checkbox"/>		100	6			2/1/2023		Pacific Trenchless 2022 CIP
422.09-422.07	RWL	<input type="checkbox"/>		71	6			2/1/2023		Pacific Trenchless 2022 CIP
422.11-422.09	RWL	<input type="checkbox"/>		59	6			2/1/2023		Pacific Trenchless 2022 CIP
422.13-422.11	RWL	<input type="checkbox"/>		65	6			2/1/2023		Pacific Trenchless 2022 CIP
422.14-422.13	RWL	<input type="checkbox"/>		113	6			2/1/2023		Pacific Trenchless 2022 CIP
422.15-422.14	RWL	<input type="checkbox"/>		29	6			2/1/2023		Pacific Trenchless 2022 CIP
423.01-420.29	RWL	<input type="checkbox"/>		89	6			2/1/2023		Pacific Trenchless 2022 CIP
423.03-423.01	RWL	<input type="checkbox"/>		110	6			2/1/2023		Pacific Trenchless 2022 CIP
423.05-423.03	RWL	<input type="checkbox"/>		128	6			2/1/2023		Pacific Trenchless 2022 CIP
450.01-400.27	RWL	<input type="checkbox"/>		168	6			10/15/2023		Pacific Trenchless 2023 CIP
450.01-400.27	RWL	<input type="checkbox"/>		168	6			10/15/2023		Pacific Trenchless 2023 CIP
501.21-500.31	RWL	<input type="checkbox"/>		57	6			10/15/2023		Pacific Trenchless 2023 CIP
513.03-513.30	RPB	<input type="checkbox"/>		36	6			10/15/2023		Pacific Trenchless 2023 CIP
513.05-513.03	RPB	<input type="checkbox"/>		262	6			10/15/2023		Pacific Trenchless 2023 CIP
513.30-510.05	RPB	<input type="checkbox"/>		305	6			10/15/2023		Pacific Trenchless 2023 CIP
521.05-521.03	RWL	<input type="checkbox"/>		201	6			10/15/2023		Pacific Trenchless 2023 CIP
521.07-521.05	RWL	<input type="checkbox"/>		386	6			10/15/2023		Pacific Trenchless 2023 CIP
522.11-522.09	RWL	<input type="checkbox"/>	80	48	6			10/5/2024		Pacific Trenchless 2024 CIP
542.13-542.11	RWL	<input type="checkbox"/>		260	6			10/15/2023		Pacific Trenchless 2023 CIP
543.01-540.09	RWL	<input type="checkbox"/>		98	6			2/1/2023		Pacific Trenchless 2022 CIP
543.03-543.01	RWL	<input type="checkbox"/>		114	6			2/1/2023		Pacific Trenchless 2022 CIP

Pipe ID	Method	Easm	Length (ft)			Activ.	Follow-up Activ./Status	Contract.	Date	Results	Description
			L.F.	User	GIS Diam						
544.05-544.03	RWL	<input type="checkbox"/>	160	160	6			2/1/2023		Pacific Trenchless 2022 CIP	
544.06-544.05	RWL	<input type="checkbox"/>	150	131	6			2/1/2023		Pacific Trenchless 2022 CIP	
545.01-540.13	RWL	<input type="checkbox"/>		149	6			2/1/2023		Pacific Trenchless 2022 CIP	
545.03-545.01	RWL	<input type="checkbox"/>		112	6			2/1/2023		Pacific Trenchless 2022 CIP	
SubTotal:			4,774	13,208							
Total:			4,774	13,208							

MATERIAL	ID	CLEANING	INSTALL YR	DIAM. (IN)	LENGTH ft
PVC	541.45-541.25	Green	1989	6	126.7
PVC	543.05-543.59	Green	1982	6	37.7
PVC	543.11-543.09	Green	1988	6	75.8
PVC	543.13-543.11	Green	1988	6	50.3
PVC	543.14-543.15	Green	1988	6	8.7
PVC	543.15-543.13	Green	1988	6	124.7
PVC	543.17-543.15	Green	1990	6	226.2
PVC	543.21-543.05	Green	1974	6	18.2
PVC	543.23-543.21	Green	1974	6	139.1
PVC	543.25-543.23	Green	1974	6	28.1
PVC	543.27-543.25	Green	1974	6	164.3
PVC	543.29-543.27	Green	1974	6	113.4
PVC	543.31-543.29	Green	1974	6	84.3
PVC	543.33-543.27	Green	1974	6	181.4
PVC	543.35-543.33	Green	1974	6	71.4
PVC	543.37-543.14	Green	1988	6	86.2
PVC	543.39-543.37	Green	1988	6	101.9
PVC	543.41-543.39	Green	1988	6	45.4
PVC	543.43-543.41	Green	1988	6	63.3
PVC	543.59-543.57	Green	1982	6	72.0
PVC	545.01-540.53	Green	1988	6	178.0

SUB-TOTAL: 10,702.0

Remaining VCP to be replaced

VCP	100.14-100.12	Red	1948	6	63.2
VCP	100.15-100.13	Red	1948	6	125.4
VCP	100.17-100.15	Red	1948	6	150.5
VCP	100.19-100.17	Red	1948	6	129.8
VCP	100.21-100.19	Red	1948	6	181.1
VCP	100.23-100.21	Red	1948	6	106.4
VCP	100.31-100.29	Red	1948	6	101.3
VCP	100.33-100.31	Red	1948	6	171.4
VCP	101.05-101.03	Red	1948	6	225.8
VCP	101.07-101.05	Red	1948	6	213.1
VCP	101.09-101.07	Red	1948	6	75.1
VCP	102.21-100.19	Red	1948	6	201.4
VCP	103.21-100.31	Red	1948	6	153.9
VCP	103.31-100.33	Red	1948	6	68.1
VCP	110.01-100.23	Red	1948	6	17.5
VCP	110.03-110.01	Red	1948	6	223.4
VCP	110.05-110.03	Red	1948	6	85.8

MATERIAL	ID	CLEANING	INSTALL YR	DIAM. (IN)	LENGTH ft
VCP	110.07-110.05	Red	1948	6	112.7
VCP	110.22-110.21	Red	1948	6	29.1
VCP	112.21-112.20	Red	1948	6	27.4
VCP	200.03-200.01	Red	1948	8	95.4
VCP	201.17-201.13	Red	1948	6	104.6
VCP	301.11-300.05	Yellow	1948	6	31.5
VCP	414.01-400.03	Yellow	1948	6	256.1
VCP	414.03-414.01	Yellow	1948	6	141.4
VCP	414.04-414.03	Yellow	1948	6	167.5
VCP	414.05-414.04	Yellow	1948	6	33.0
VCP	414.07-414.05	Yellow	1948	6	133.2
VCP	414.09-414.07	Yellow	1948	6	122.9
VCP	414.11-414.09	Yellow	1948	6	141.2
VCP	414.21-414.04	Yellow	1948	6	36.3
VCP	414.31-414.11	Yellow	1948	6	166.3
VCP	420.01-400.05	Yellow	1948	6	281.0
VCP	420.03-420.01	Yellow	1948	6	222.3
VCP	420.05-420.03	Yellow	1948	6	219.2
VCP	420.07-420.05	Yellow	1948	6	236.5
VCP	420.17-420.13	Yellow	1948	6	215.7
VCP	420.19-420.17	Yellow	1948	6	182.3
VCP	420.21-420.19	Yellow	1948	6	74.8
VCP	420.23-420.21	Yellow	1948	6	125.6
VCP	422.01-420.19	Yellow	1948	6	26.1
VCP	-500.25	Green	1948	6	78.2
VCP	501.01-500.01	Yellow	1948	6	99.8
VCP	513.31-513.30	Green	1948	6	55.8
VCP	513.33-513.31	Green	1948	6	146.9
VCP	540.39-540.37	Green	1948	6	155.4
VCP	540.41-540.39	Green	1948	6	41.0
VCP	543.07-543.05	Green	1948	6	68.9
VCP	543.09-543.07	Green	1948	6	78.3
VCP	MILL VALLEY -SAS	Red	1948	6	111.9
SUB-TOTAL:					6,311.7
TOTAL:					67,542.1