



Central Coast Regional Water Quality Control Board

April 3, 2013

John Presleigh, Director
Santa Cruz County Sanitation District
701 Ocean Street, Room 410
Santa Cruz, CA 95060

CERTIFIED MAIL 7011 0470 0002 1101 7170

NOTICE OF VIOLATION FOR UNAUTHORIZED DISCHARGE OF UNTREATED SEWAGE TO WATERS OF THE STATE; REQUIREMENT TO SUBMIT TECHNICAL REPORT PURSUANT TO SECTION 13267 OF THE CALIFORNIA WATER CODE

Dear Mr. Presleigh:

The Regional Water Quality Control Board, Central Coast Region (Central Coast Water Board) issues this notice of violation to the Santa Cruz County Sanitation District (District) for reported, unauthorized discharges of untreated sewage into waters of the United States during calendar year 2011. Pursuant to the requirements of section 13267 of the California Water Code (CWC), the District is required to submit a technical report addressing the subject violation no later than May 28, 2013.

The District's sewage collection system is regulated by the State Water Resources Control Board (State Water Board) Order No. 2006-0003-DWQ (Sanitary Sewer System Waste Discharge Requirements, hereafter SSS WDRs). Prohibition C.1 of the SSS WDRs prohibits any SSO that results in a discharge of untreated or partially treated wastewater to waters of the United States. The District reportedly violated this provision of the SSS WDRs when it experienced two separate sanitary sewer overflows (SSO events), each resulting in an illegal discharge of untreated sewage to waters of the United States in calendar year 2011. The District reported each SSO event into the California Integrated Water Quality System (CIWQS), the State Water Board's SSO online database. The District also notified Central Coast Water Board staff and provided additional information about these SSOs to State Water Board Office of Enforcement staff during an unannounced inspection at the District's facilities on April 4, 2012. Information regarding the spills is summarized below:

Table with 4 columns: SSO Date, Estimated Vol. (gallons), Discharged From, Discharged To. It contains two rows of SSO event data.

JEFFREY S. YOUNG, CHAIR | KENNETH A. HARRIS JR., INTERIM EXECUTIVE OFFICER



For the March 26, 2011 SSO event, the Central Coast Water Board has not issued an enforcement order. However, for the April 18, 2011 SSO event, the Central Coast Water Board issued a CWC Section 13267 Order (see attached Water Code 13267 Order dated July 8, 2011), requiring the District to submit a technical report by August 31, 2011. Additionally, the Central Coast Water Board required the District to submit a compliance time schedule that would describe its actions to prevent similar SSOs in the future. In response, the District submitted information summarized below, including proposed actions and compliance time schedules in response to the April 18, 2011 SSO event (see attached District response, dated August 31, 2011):

Step No.	Description of District Proposed Actions	Description/District Proposed Time Schedule
1	Installation of wireless electronic manhole flow level monitoring units	<i>District currently testing three monitoring units for technology and reliability evaluation. District has indicated securing of future funding for additional units in Fiscal Year 2011. [NOTE: John Swenson, District Operations Manager told Office of Enforcement investigators during the 4/10/12 inspection that no additional units have been purchased or installed].</i>
2	GIS mapping of sewer lines within the District's collection system, especially lines in remote areas, and inspection of these pipelines (including annual inspections and inspections after major storm events)	<i>Inspect and determine stability/alignment of pipelines; send crews for inspection after major storm events; completion of inspections proposed by mid-December 2011</i>
3	Installation of Supervisory Control and Data Acquisition (SCADA) recording and monitoring software for all District pump stations. <i>[NOTE: John Swenson, District Operations Manager, told Office of Enforcement investigators during the 4/10/12 inspection that current SCADA records are currently not archived and data deleted each day after being recorded].</i>	<i>Scheduled to be operational by August 2012.</i>
4	Focused coordination with Santa Cruz County Department of Public Health on water quality monitoring results.	<i>Ongoing.</i>
5	Replacement of pipelines located in gulches and ravines (due to limited accessibility)	<i>Information to be included in the five-year Capital Improvement Plan (CIP) for replacement of select pipelines where needed.</i>

### WATER CODE SECTION 13267 ORDER

The technical report required by this Order must address all the issue areas outlined below. The information contained in the technical report required by this Order is needed to enable the Central Coast Water Board and the State Water Board to effectively evaluate the nature, circumstances, extent, and gravity of the unauthorized discharge of untreated sewage. The financial burden of providing the required report bears a reasonable relationship to the need for the report and the benefits to be obtained from the report.

**The District is hereby required to submit the following information:**

1. Any updates regarding the District's proposed actions and time schedules in response to the Water Code 13267 Order issued by the Regional Water Board, April 18, 2011 SSO (see table above);
2. Nature, Causes and Circumstances of the Illegal Discharge of Untreated Sewage in Calendar Year 2011, outlined above:
  - a. A complete, detailed explanation of how and when the discharges of untreated sewage from the District's sewer collection system were discovered. This discussion shall include causes of the SSO events, including but not limited to, equipment failures, human/operator errors, administrative control failures, etc. that led to the SSO discharges.
  - b. A diagram showing the locations of the actual sewage overflows, including, but not limited to, the locations of any equipment failure, locations of affected waters including affected beaches, and discharge locations from sewer lines, laterals and connections, cleanouts, sewer relief valves, or other assets owned by the District, including discharge locations from all known assets not owned or operated by the District affected by the SSO events.
  - c. A detailed report of the total volume of untreated sewage discharged, including the engineering methods, diagrams, models, references, calculations and assumptions used in estimating the total volume of untreated sewage discharged. This should include, at a minimum, tabular and graphical summaries of the daily total influent flows of untreated sewage received by the treatment plant one week before and one week after each SSO event. Additionally, please submit total daily influent and effluent flows monitored at the City of Santa Cruz treatment plant for calendar years 2011 and 2012 electronically (in Microsoft Excel format).
  - d. Indicate the date and time periods of sewer overflow discharges (e.g., number of hours or days of continuous and/or intermittent sewer overflow) and include all associated records and data relied upon for determining the overflow periods and volume estimates.
3. District's Response to the Illegal Discharge of Untreated Sewage in Calendar Year 2011, outlined above:
  - a. A detailed chronological description of all actions taken by the District to terminate the illegal discharges of untreated sewage, to divert sewage flows from the headworks including any bypass, and to mitigate the impacts from the discharges. The narrative description must include an evaluation of the results of selected actions.
  - b. Evidence of the District's board approval of the Sewer System Management Plan (SSMP), prepared in accordance with the SSS WDRs. Please describe how the procedures detailed in the District's Overflow Emergency Response Plan were implemented during the mitigation and response activities associated with the SSO events, including any suggested changes planned to improve the plan as a result of the SSO events.
  - c. A detailed description of the final corrective actions, including an update of the status of the final repair, documentation of associated costs involved in the project, sources of

funding for the project, and plans and specifications for the repair. This should include the status of the District's proposed actions outlined in the District's August 31, 2011 response submitted to the Central Coast Water Board.

- d. Copies of any field response documents during and/or after the SSO event, including site photos, interview notes and information related to sewer backups into structures.

#### 4. Additional Information

- a. Copies of collection system service call records for any potential SSOs including logs of complaints received from District service area customers and field maintenance crew records documenting District cleaning, maintenance, repairs, and SSO response activities over the past 24 months, including any records for work conducted by outside contractors for collection system maintenance or repairs.
- b. Any other pertinent information that will assist the Central Coast Water Board and State Water Board in evaluating the nature, circumstances, extent, and gravity of the calendar year 2011 SSO events outlined above.

### PROVISIONS

1. Use of Registered Professionals: The District shall provide documentation that its technical report was prepared under the direction of appropriately qualified professionals. In preparing the technical report required by this Order, any engineering or geologic evaluations and judgments must be performed by or under the direction of registered professionals. A statement of qualifications and registration numbers of the responsible lead professional shall be included in the report submitted by the District. The lead professional shall sign and affix his or her registration stamp to the report.
2. Use of Qualified Technical Professionals: The District shall ensure that plans and reports, required under this Order, are prepared under the direction of technical professionals who are appropriately qualified to evaluate short- and long-term effects to ecological receptors.
3. Signatory Requirements: The technical report shall be signed and certified by either a principal executive officer, ranking elected official, or the person with overall responsibility for environmental matters for the District. Additional reports submitted in support of the technical report must be signed by the principal author.
4. Certification Statement: Any person signing a document under this provision shall make the following 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, 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."*

5. Report Submittal: The report required under this Order shall be submitted electronically to:

James Fischer, Water Resource Control Engineer  
Office of Enforcement/Special Investigations Unit  
State Water Resources Control Board  
[Jim.Fischer@waterboards.ca.gov](mailto:Jim.Fischer@waterboards.ca.gov)

An electronic copy shall also be submitted to the Central Coast Water Board, specifically to:

Harvey Packard, Supervising Engineer  
Chief Enforcement Unit  
Central Coast Water Board  
[hpackard@waterboards.ca.gov](mailto:hpackard@waterboards.ca.gov)

## NOTIFICATIONS

1. Enforcement Discretion: The Central Coast Water Board and the State Water Board reserve their rights to take any enforcement action authorized by law for violations of the terms and conditions of this requirement.
2. Enforcement Notification: Water Code section 13268(a)(1) provides that any person failing or refusing to furnish technical or monitoring report information as required by Water Code section 13267(b), or falsifying any information provided therein, is guilty of a misdemeanor and may be liable civilly for an administered imposed liability of up to \$1,000 per day for each day in which the violation occurs.
3. Cost Recovery: Pursuant to Water Code section 13304, and consistent with other statutory and regulatory requirements, including not but limited to Water Code section 13365, the Central Coast Water Board and/or State Water Board may seek reimbursement for all reasonable costs actually incurred to investigate illegal discharges of wastes and to oversee cleanup of such wastes, abatement of the effects thereof, or other necessary enforcement actions.

Failure to submit the technical report may subject the District to further enforcement action by the Central Coast Water Board and/or the State Water board, including the imposition of administrative civil liability, adoption of a cease and desist order or time schedule order, issuance of a cleanup and abatement order, or referral of the matter to the District Attorney or State Attorney General.

If you have any questions, please contact James Fischer, Water Resource Control Engineer, State Water Resources Control Board, Office of Enforcement, at (916) 341-5548 or email him at [jfischer@waterboards.ca.gov](mailto:jfischer@waterboards.ca.gov).

Sincerely,

for Michael Thomas  
Assistant Executive Officer

Attachments

1. Central Coast Water Board's CWC 13267 Order dated July 8, 2011
2. District response dated August 31, 2011

cc: via USPS

Neal Coonerty, Chairman  
Santa Cruz County Board of Supervisors  
701 Ocean Street  
Santa Cruz, CA 95060

cc: via electronic mail

Harvey Packard, Central Coast Water Board, [hpackard@waterboards.ca.gov](mailto:hpackard@waterboards.ca.gov)  
Sheila Soderberg, Central Coast Water Board, [ssoderberg@waterboards.ca.gov](mailto:ssoderberg@waterboards.ca.gov)  
Todd Stanley, Central Coast Water Board, [tstanley@waterboards.ca.gov](mailto:tstanley@waterboards.ca.gov)  
Jim Fischer, State Water Board, [jfischer@waterboards.ca.gov](mailto:jfischer@waterboards.ca.gov)

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ECM# CW-631759  
CIWQS NOV Reg Measure 389694



# California Regional Water Quality Control Board Central Coast Region



**Linda S. Adams**  
*Acting Secretary for  
Environmental Protection*

895 Aerovista Place, Suite 101, San Luis Obispo, California 93401-7906  
(805) 549-3147 • Fax (805) 543-0397  
<http://www.waterboards.ca.gov/centralcoast>

**Edmund G. Brown Jr.**  
*Governor*

July 8, 2011

John Presleigh, District Engineer  
Department of Public Works  
County of Santa Cruz  
701 Ocean Street, Room 410  
Santa Cruz, CA 95060-2123

Dear Mr. Presleigh:

## **SANTA CRUZ COUNTY SANITATION DISTRICT, SANTA CRUZ COUNTY, WDID 3SSO10324, SSO EVENT765674, ORDER NO. R3-2005-0043 – TECHNICAL REPORT AND COMPLIANCE TIME SCHEDULE**

On April 19, 2011, you reported a raw sewage spill in Aptos from a break in the Santa Cruz County Sanitation District's (District) sewer in Aptos. Your report states the spill may have gone on for as long as two weeks. Reportedly, much of the 25,000 gallon discharge entered the Pacific Ocean and thereby threatened the public's health.

The spill occurred in an overgrown ravine where the pipeline could not be seen. The spill may have been detected by the sound the water made as it flowed from the break. This winter's heavy rains may have increased the flowrates of runoff in District waterways, thereby accelerating erosion. The erosion impaired the pipeline and caused it to break. You reported that District staff repaired the broken line immediately after learning of the spill.

The Central Coast Regional Water Quality Control Board (Water Board) is concerned that this winter's storms may have similarly destabilized sewer lines in like locations. Therefore, **by August 31, 2011**, you are required to submit a technical report for the approval of the Executive Officer. The report shall include, but is not necessarily limited to, a survey of exposed sewer lines that are not readily visible and are subject to erosion caused by storm-induced runoff, and a time schedule for conducting the survey, which shall include a final report of your findings and recommended corrective actions.

The Water Board's requirement that you submit the technical report is made pursuant to section 13267 of the California Water Code. Pursuant to section 13268 of the Water Code, a violation of Water Code section 13267 may subject you to civil liability of up to \$1,000 per day for each day in which the violation occurs.

The Water Board needs the required information to ensure protection of the beneficial uses of the State's waters. You are required to submit this information because you are the current property owner, and based on the available data you are responsible for the discharge. The evidence supporting this requirement is discussed above. More detailed information is available in the Water Board's public file on this matter.

***California Environmental Protection Agency***

Any person aggrieved by this action of the Water Board may petition the State Water Board to review the action in accordance with Water Code section 13320 and California Code of Regulations, title 23, sections 2050 and following. The State Water Board must receive the petition by 5:00 p.m., 30 days after the date of the order, except that if the thirtieth day following the date of the order falls on a Saturday, Sunday, or state holiday, the petition must be received by 5:00 p.m. on the next business day. Copies of the law and regulations applicable to filing petitions may be found on the internet at [http://www.waterboards.ca.gov/public\\_notices/petitions/water\\_quality](http://www.waterboards.ca.gov/public_notices/petitions/water_quality) or will be provided upon request.

If you have questions or comments, please contact **Michael Higgins at (805) 542-4649, [mhiggins@waterboards.ca.gov](mailto:mhiggins@waterboards.ca.gov)** or Sheila Soderberg at (805) 548-3592.

Sincerely,



Roger W. Briggs  
Executive Officer

cc:

Bridget Hoover  
Monterey Bay National Marine Sanctuary  
299 Foam Street  
Monterey, CA 93940

Place ID 631759  
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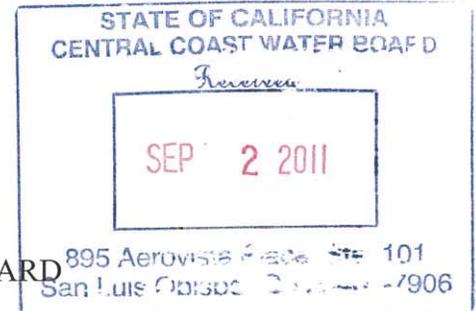


# Santa Cruz County Sanitation District

701 OCEAN STREET, SUITE 410, SANTA CRUZ, CA 95060-4073  
(831) 454-2160 FAX (831) 454-2089 TDD: (831) 454-2123

JOHN J. PRESLEIGH, DISTRICT ENGINEER

August 31, 2011



ROGER W. BRIGGS, EXECUTIVE OFFICER  
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
895 AEROVISTA PLACE, SUITE 101  
SAN LUIS OBISPO, CALIFORNIA 93401-7906

SUBJECT: WDID 3SSO10324, SSO EVENT765674, Order No. R3-2005-0043  
TECHNICAL REPORT AND COMPLIANCE TIME SCHEDULE

Dear Mr. Briggs:

This technical report is in response to your letter, dated July 8, 2011, regarding a sewage spill that the Santa Cruz County Sanitation District (District) reported on April 19, 2011. The reported spill was estimated at 25,000 gallons over a two day period. The District would like to emphasize that the spill was flowing for two days not two weeks as your letter states. Additionally, the spill had gone unseen due to the fact that the broken pipe is located in a ravine that is not readily visible. You have requested that the District provide a technical report for your approval that includes a proposal for conducting a survey of pipelines in remote areas that may have been damaged last winter and a time line for completing this work.

Preventative actions that have been implemented or are proposed include installation of manhole monitoring technology at manholes that are subject to surcharging, GIS mapping of sewer lines within the District that will be surveyed annually and after major storm events, and installation of SCADA historian features to record flow monitoring results (as well as alarms for low flow) at all of our pump stations. We have also been in contact with the County of Santa Cruz Environmental Health Services Department to verify that their water quality sampling results have not shown any indication of increased levels of fecal coliform this summer.

The Santa Cruz County Environmental Health Services Department sample creeks and beaches at intervals that range from weekly to quarterly. If they encounter persistent high results they do follow up work to see if they can identify a source either through visual observation, or through high-tech techniques such as RNA ribotyping or bacterioides (both can identify sources). If they see a spike in fecal coliform they will alert the sanitation engineer in

order to eliminate a sewage spill from the list of potential sources. A review of their water quality website shows no indication of increased problems in the watersheds adjacent to the sewer lines of concern.

The District is concerned about pipelines and manholes that are difficult to access and out of sight. Over the past few years the District has hired consulting engineers to survey and provide recommendations for replacement of sewers in gulches and ravines and have pursued grant funding to replace these sewers. Our five-year Construction Improvement Plan includes seven separate sewer replacement projects to remove our trunklines from gulches and ravines (see attached).

In the interim, the District has also been investigating the use of manhole monitoring technology to alert our operations staff of surcharging manholes in locations that have had multiple spills. There are two available technologies that have been selected. One uses satellites and the other uses cellular communications and both are wireless. The District has installed manhole monitoring technology at three locations in order to test the technology and its reliability. One was placed downstream of Kristy Court (see attached) and in the past two months we have received two surcharge warnings. Our crews have been dispatched to the location of the surcharging and took the measures necessary to avoid a spill at that manhole. We have included funding in this fiscal year's budget to purchase and install this technology at additional manholes.

Based on GIS mapping of our District, we have highlighted the areas where our sewer lines appear to be located in remote areas along slopes (see attached). The District proposes to inspect the alignment of pipelines in these areas and verify that they have not been subject to slope instability that would expose the pipelines. In addition, the District will verify which segments will continue to require inspections, highlight those areas on our GIS maps, and dispatch our crews to visually inspect those areas after major storm events. During these inspections we will identify locations for installation of manhole monitoring technology. The initial inspection of all lines in areas of concern is proposed to be completed by mid-December 2011.

The District is also in the process of installing historian software into our Supervisory and Data Acquisition System (SCADA) at all of our pump stations. This software will record and monitor flows into the pump stations and the data will be analyzed and used to determine whether there is a problem upstream of the pump station. Installation of the historian software is ongoing and is anticipated to be completed by August 2012.

ROGER W. BRIGGS, EXECUTIVE OFFICER

Page -3-

Please be assured that the District is actively working towards implementing technology and procedures that will reduce the likelihood of sewage spills occurring in remote areas. If you have any questions regarding this technical report, please call John Swenson, Operations Manager at (831) 477-3945 or Rachél Lather, Sanitation Engineer at (831) 454-2637.

Yours truly,



JOHN J. PRESLEIGH  
District Engineer

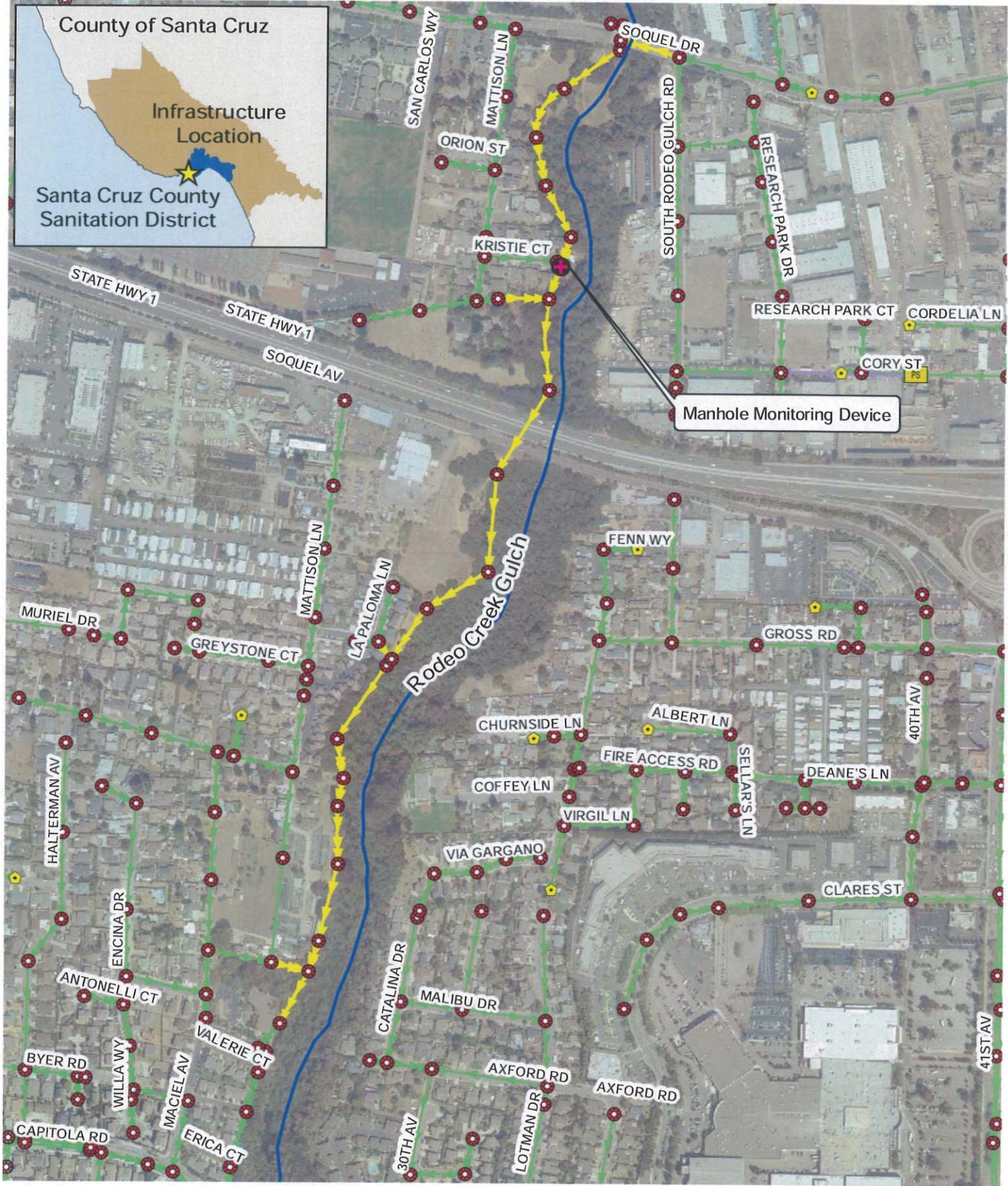
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Attachment

Copy to: John Swenson, Sanitation Operations

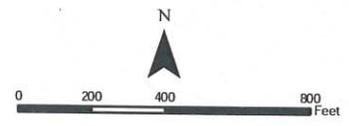
***ATTACHMENT 1***

***Sewer Lines of Concern***



Legend

- |                    |                              |  |
|--------------------|------------------------------|--|
| <b>Streams</b>     | <b>Sanitation Structures</b> | <b>Sanitation Distribution Network</b> |
| — PERENNIAL        | ☐ Clean Out                  | — Force Main                           |
| - - - INTERMITTENT | ⊗ Manhole                    | — Gravity Main                         |
| - · - · SWALE      | ☐ PS Pump Station            | — Sewer Lines of Concern               |
|                    | ⊗ Manhole Monitoring Device  |  |

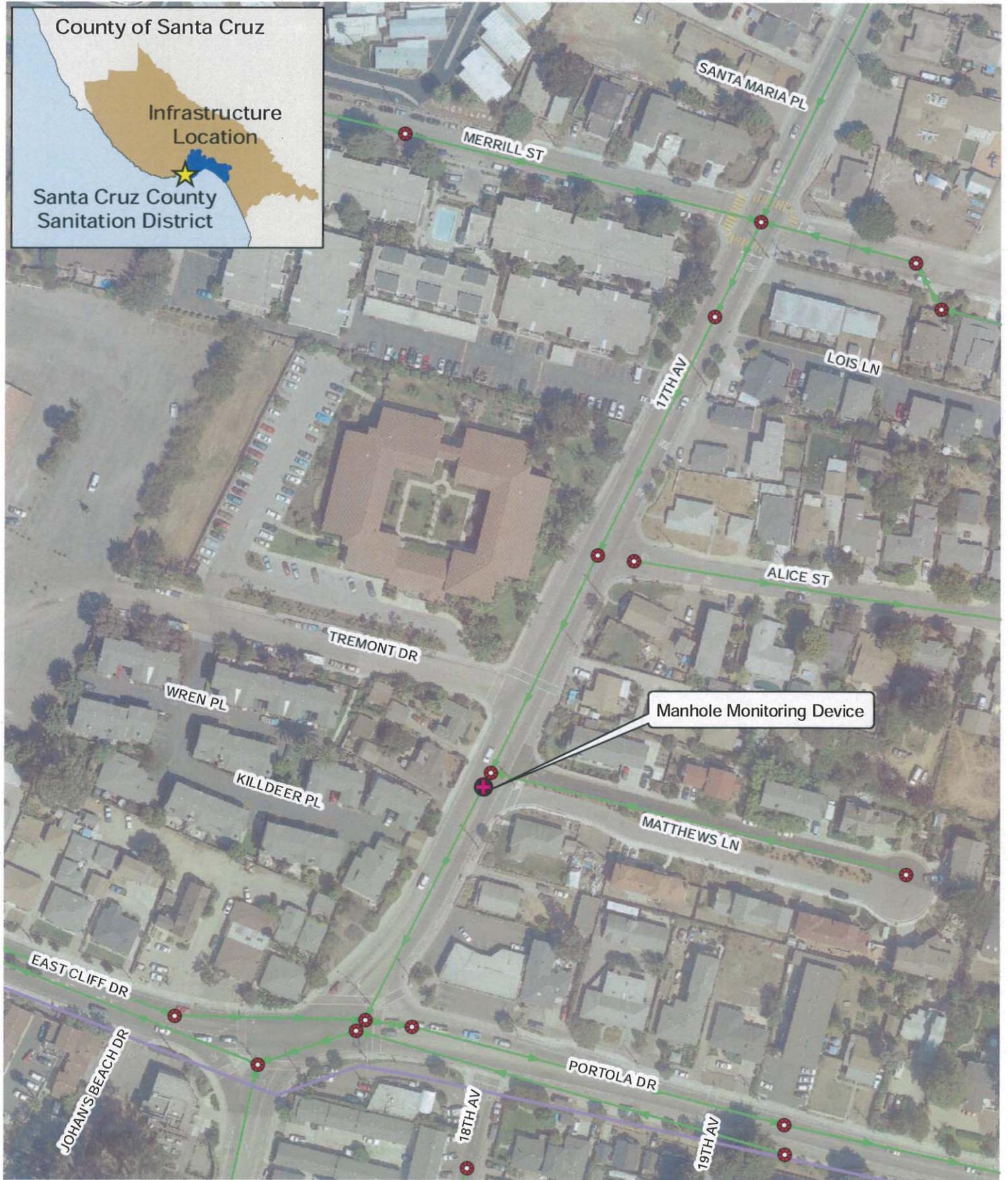




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- |                |                              |  |
|----------------|------------------------------|--|
| <b>Streams</b> | <b>Sanitation Structures</b> | <b>Sanitation Distribution Network</b> |
| PERENNIAL      | Clean Out                    | Force Main                             |
| INTERMITTENT   | Manhole                      | Gravity Main                           |
| SWALE          | Pump Station                 | Sewer Lines of Concern                 |
|                | Manhole Monitoring Device    |  |

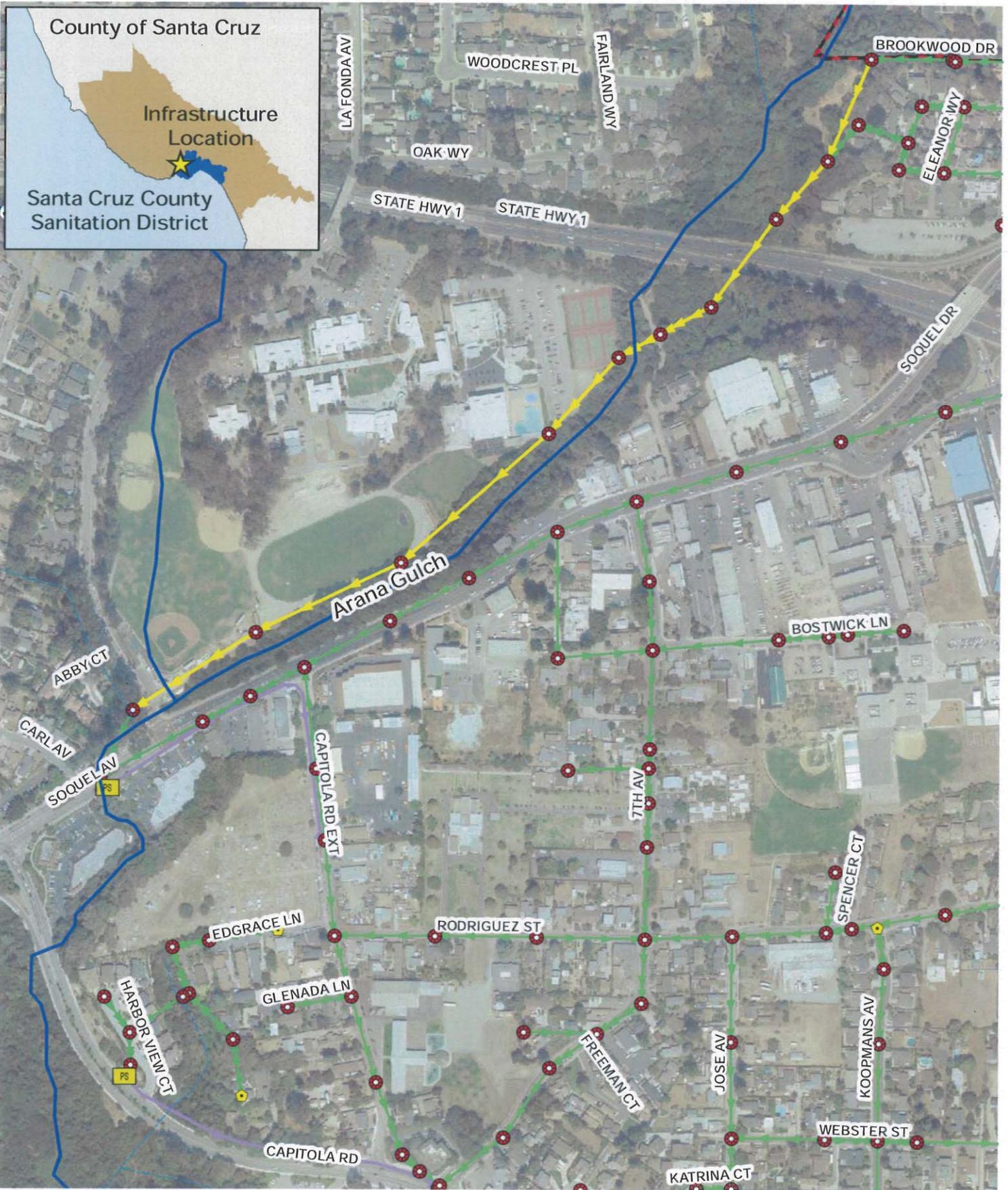




Legend

- |                    |                              |  |
|--------------------|------------------------------|--|
| <b>Streams</b>     | <b>Sanitation Structures</b> | <b>Sanitation Distribution Network</b> |
| — PERENNIAL        | ☐ Clean Out                  | — Force Main                           |
| - - - INTERMITTENT | ● Manhole                    | — Gravity Main                         |
| - - - SWALE        | PS Pump Station              | — Sewer Lines of Concern               |
|                    | ⊕ Manhole Monitoring Device  |  |

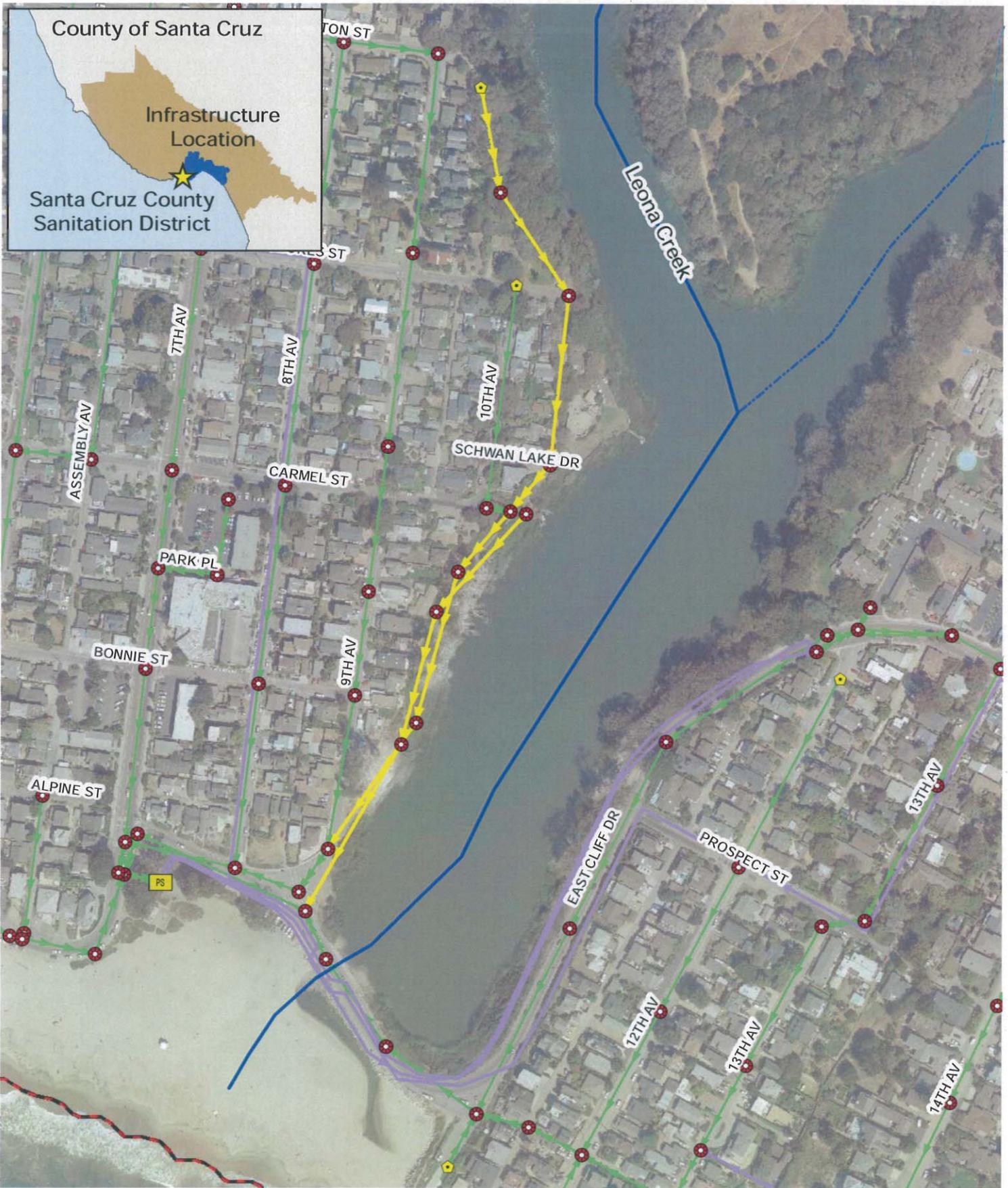




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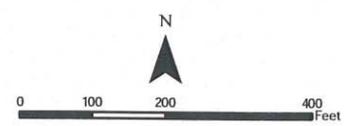
- | Streams            | Sanitation Structures | Sanitation Distribution Network |
|--------------------|-----------------------|---------------------------------|
| — PERENNIAL        | ☐ Clean Out           | — Force Main                    |
| - - - INTERMITTENT | ● Manhole             | — Gravity Main                  |
| - - - SWALE        | ☐ PS Pump Station     | — Sewer Lines of Concern        |





**Legend**

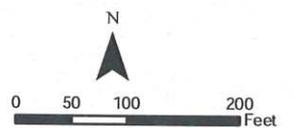
Streams	Sanitation Structures	Sanitation Distribution Network
<span style="color: blue;">—</span> PERENNIAL	<span style="border: 1px solid black; padding: 2px;">CO</span> Clean Out	<span style="color: purple;">—▶</span> Force Main
<span style="color: blue; border-bottom: 1px dashed blue;">—</span> INTERMITTENT	<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">M</span> Manhole	<span style="color: green;">—▶</span> Gravity Main
<span style="color: blue; border-bottom: 1px dashed blue; border-top: 1px dashed blue;">—</span> SWALE	<span style="border: 1px solid black; padding: 2px;">PS</span> Pump Station	<span style="color: yellow;">—▶</span> Sewer Lines of Concern





Legend

- | Streams          | Sanitation Structures | Sanitation Distribution Network |
|------------------|-----------------------|---------------------------------|
| — PERENNIAL      | ★ Clean Out           | — Force Main                    |
| --- INTERMITTENT | ⊗ Manhole             | — Gravity Main                  |
| --- SWALE        | PS Pump Station       | — Sewer Lines of Concern        |

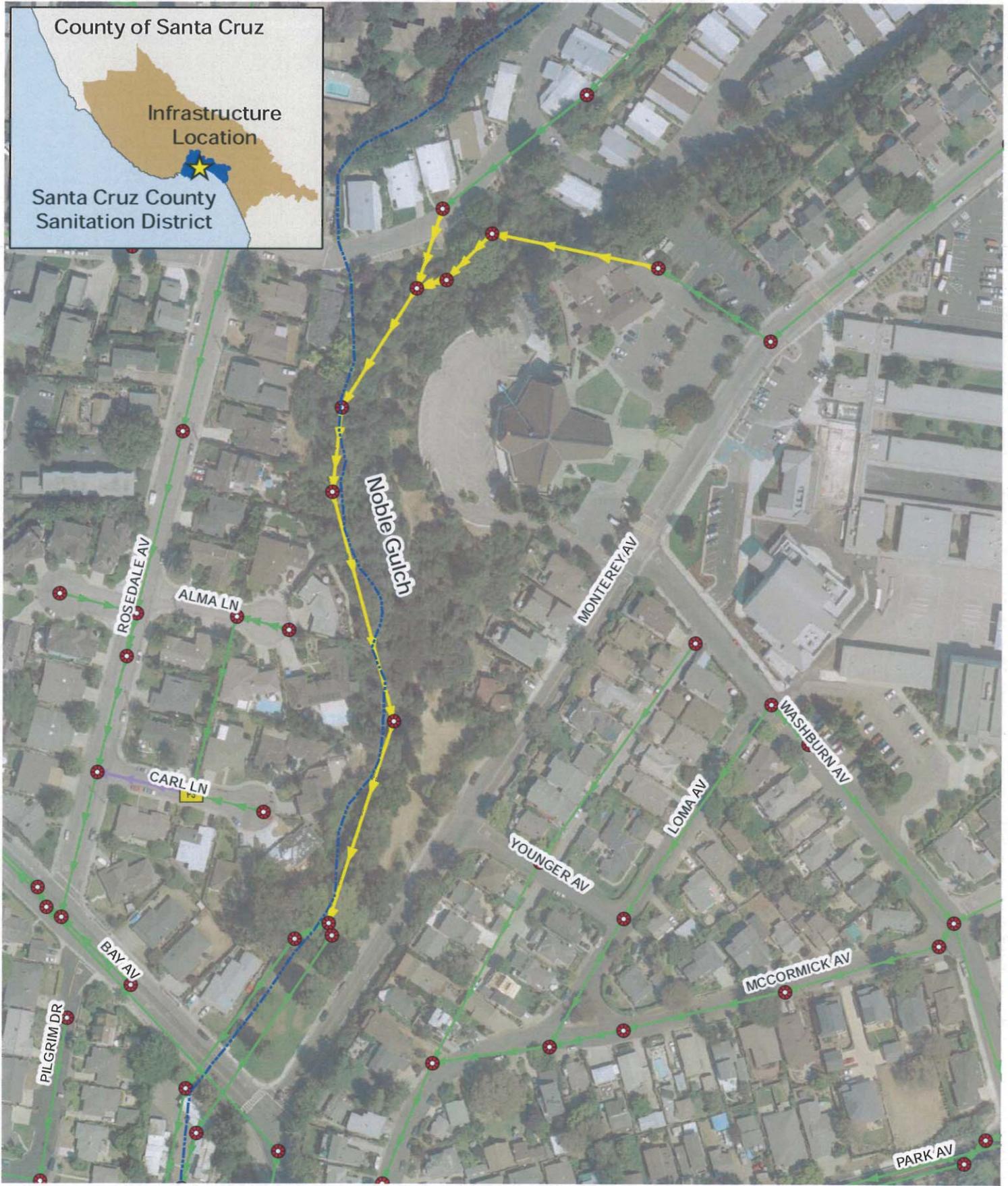




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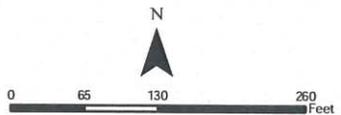
- | Streams      | Sanitation Structures | Sanitation Distribution Network |
|--------------|-----------------------|---------------------------------|
| PERENNIAL    | Clean Out             | Force Main                      |
| INTERMITTENT | Manhole               | Gravity Main                    |
| SWALE        | Pump Station          | Sewer Lines of Concern          |

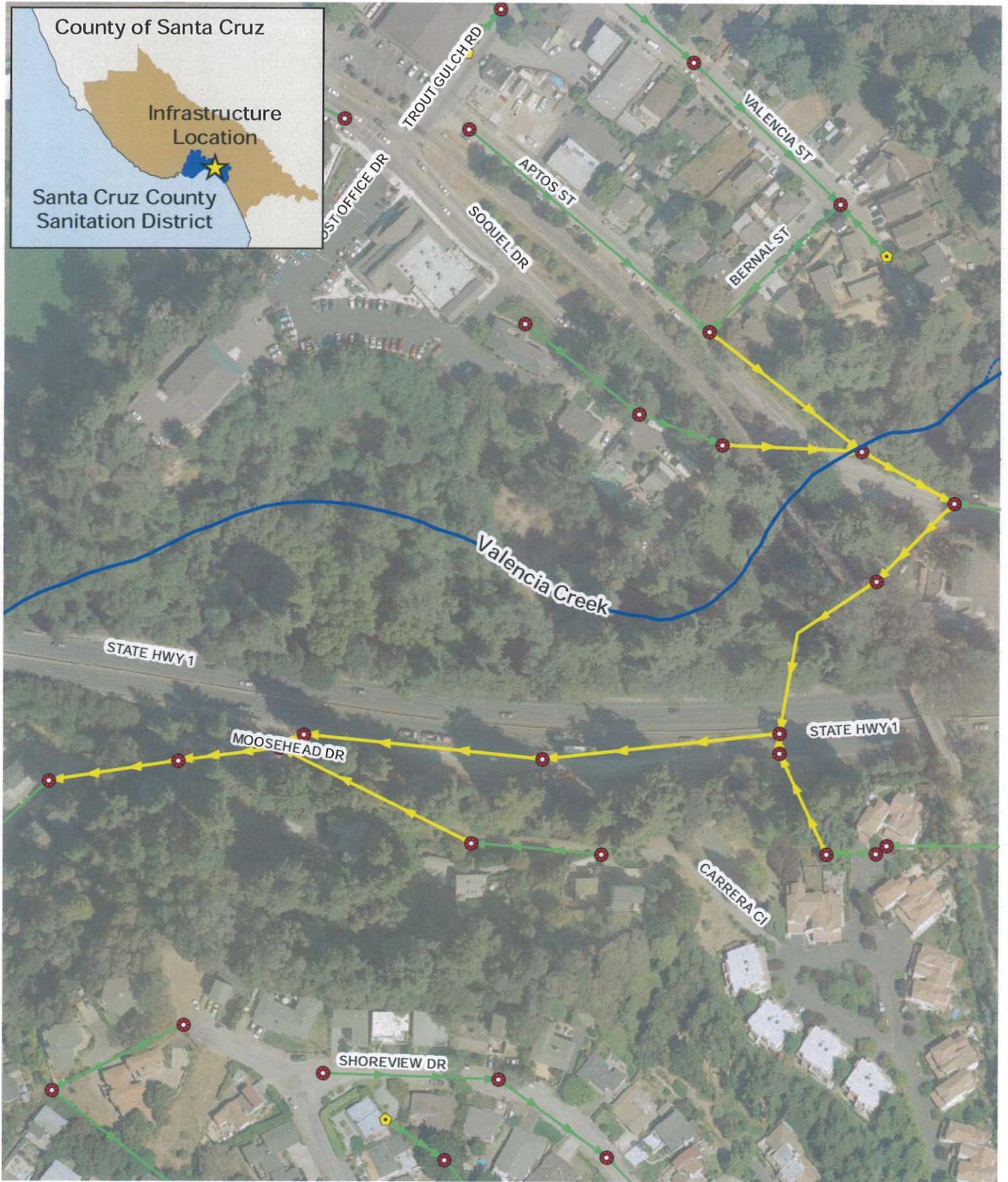




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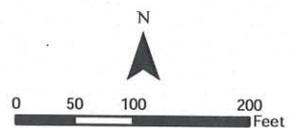
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|--------------------|------------------------------|--|
| <b>Streams</b>     | <b>Sanitation Structures</b> | <b>Sanitation Distribution Network</b> |
| — PERENNIAL        | ☐ Clean Out                  | — Force Main                           |
| - - - INTERMITTENT | ⊗ Manhole                    | — Gravity Main                         |
| ⋯ SWALE            | ☐ PS Pump Station            | — Sewer Lines of Concern               |

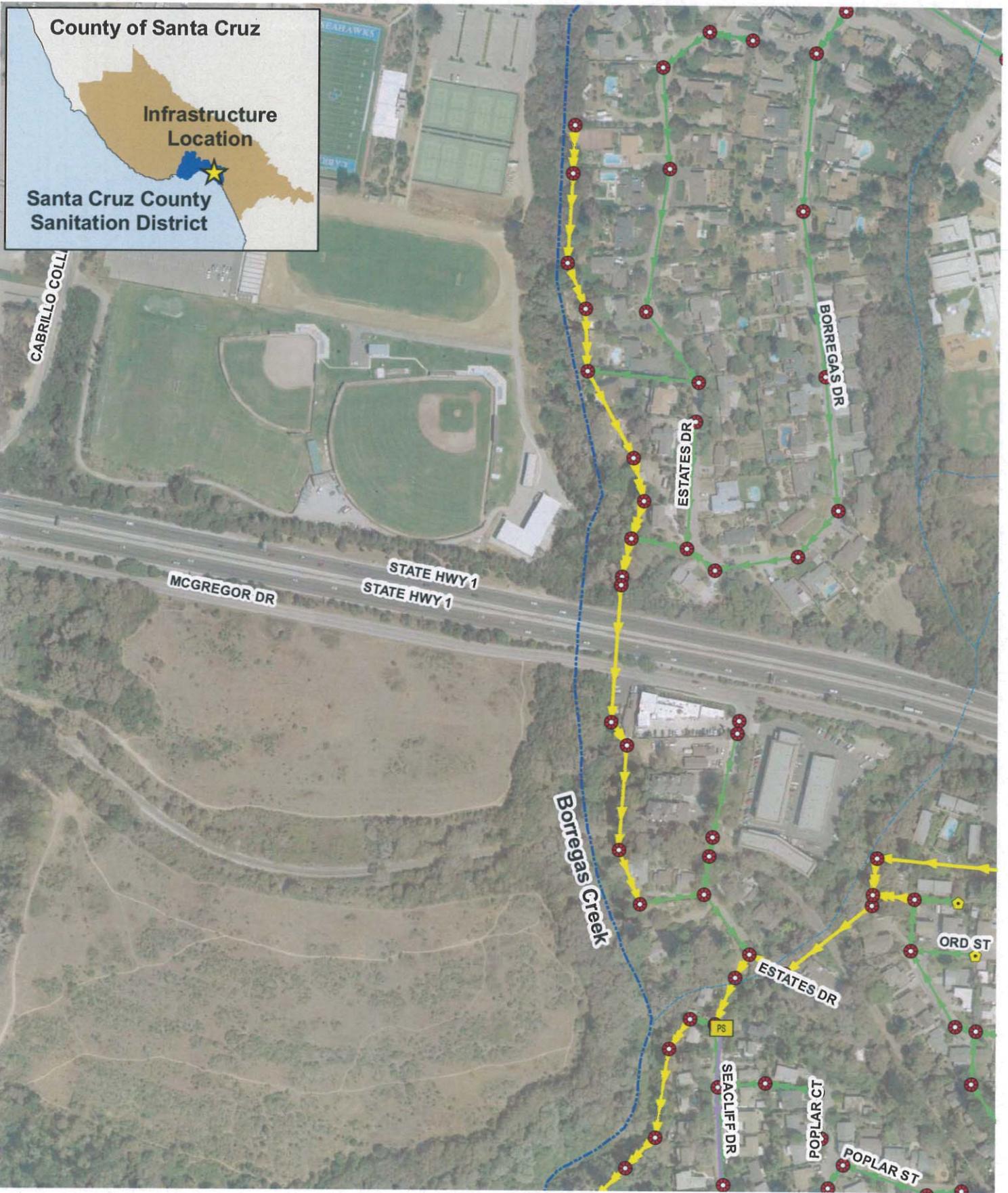




Legend

Streams	Sanitation Structures	Sanitation Distribution Network
PERENNIAL	Clean Out	Force Main
INTERMITTENT	Manhole	Gravity Main
SWALE	Pump Station	Sewer Lines of Concern





**Legend**

- | Streams      | Sanitation Structures | Sanitation Distribution Network |
|--------------|-----------------------|---------------------------------|
| PERENNIAL    | Clean Out             | Force Main                      |
| INTERMITTENT | Manhole               | Gravity Main                    |
| SWALE        | Pump Station          | Sewer Lines of Concern          |





**Legend**

Streams	Sanitation Structures	Sanitation Distribution Netork
PERENNIAL	Clean Out	Force Main
INTERMITTENT	Manhole	Gravity Main
SWALE	Pump Station	Sewer Lines of Concern



***ATTACHMENT 2***

***5-Year CIP in Areas  
of Concern***

**PROJECT TITLE:****VALENCIA CREEK SEWER REPAIR****JURISDICTION OF DIRECTOR:** PIRIE**DESCRIPTION:** Replace 1030+ L.F. of 10" pipeline beneath Highway 1.**JUSTIFICATION:** Replaces a temporary repair.**COMPLIES WITH SANITARY SEWER MASTER PLAN?** YES NO**REQUESTED BY:** RWQCB**ASSIGNED TO:** DREW BYRNE**EXPENDITURE SCHEDULE**

PROJECT ELEMENT	TOTAL	2010/2011	2011/2012	2012/2013	2013/2014	2014/2015	2015 +
DESIGN							
CONSTRUCTION			\$500,000				
EQUIPMENT							
OTHER							
<b>TOTAL</b>	<b>\$500,000</b>		<b>\$500,000</b>				

**FUNDING SOURCE AND SCHEDULE**

SOURCE	TOTAL	2010/2011	2011/2012	2012/2013	2013/2014	2014/2015	2015 +
BONDS							
DISTRICT BUDGET			\$500,000				
GRANTS							
SPECIAL ASSESS.							
STATE/FED. LOANS							
OTHER							
<b>TOTAL</b>			<b>\$500,000</b>				

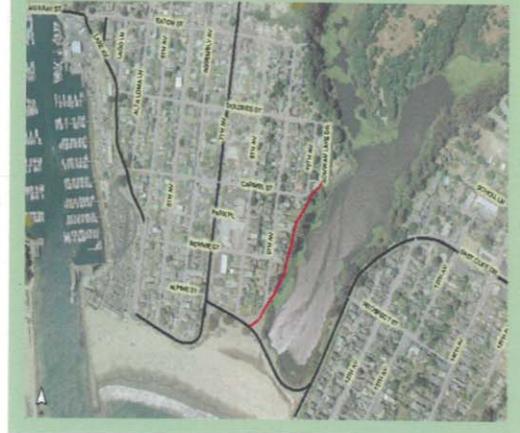
**PROJECT TITLE:**

**EAST CLIFF & SCHWANN LAKE DRIVE SEWER REPLACEMENT**

**JURISDICTION OF DIRECTOR:** LEOPOLD

**DESCRIPTION:** Replace 410 linear feet of gravity sewer line.

**JUSTIFICATION:** Line is old and deteriorating.



**COMPLIANT WITH SANITARY SEWER MASTER PLAN?**

YES

NO

**REQUESTED BY:** OPERATIONS & ENGINEERING **ASSIGNED TO:** DREW BYRNE

**EXPENDITURE SCHEDULE**

PROJECT ELEMENT	TOTAL	2010/2011	2011/2012	2012/2013	2013/2014	2014/2015	2015 +
DESIGN							
CONSTRUCTION				\$500,000			
EQUIPMENT							
OTHER							
<b>TOTAL</b>	<b>\$500,000</b>			<b>\$500,000</b>			

**FUNDING SOURCE AND SCHEDULE**

SOURCE	TOTAL	2010/2011	2011/2012	2012/2013	2013/2014	2014/2015	2015 +
BONDS							
DISTRICT BUDGET				\$500,000			
GRANTS							
SPECIAL ASSESS.							
STATE/FED. LOANS							
OTHER							
<b>TOTAL</b>				<b>\$500,000</b>			

**PROJECT TITLE: BORREGAS GULCH TRUNKLINE REPLACEMENT**

**JURISDICTION OF DIRECTOR: PIRIE**

**DESCRIPTION:** Replace 3,000 linear feet of sewer line.

**JUSTIFICATION:** Sewer line is old and deteriorating.



**COMPLIES WITH SANITARY SEWER MASTER PLAN?**  YES  NO

**REQUESTED BY:** OPERATIONS & ENGINEERING **ASSIGNED TO:** DREW BYRNE

EXPENDITURE SCHEDULE							
PROJECT ELEMENT	TOTAL	2010/2011	2011/2012	2012/2013	2013/2014	2014/2015	2015 +
DESIGN							
CONSTRUCTION					\$1,000,000		
EQUIPMENT							
OTHER							
<b>TOTAL</b>	<b>\$1,000,000</b>				<b>\$1,000,000</b>		

FUNDING SOURCE AND SCHEDULE							
SOURCE	TOTAL	2010/2011	2011/2012	2012/2013	2013/2014	2014/2015	2015 +
BONDS							
DISTRICT BUDGET		\$200,000			\$1,000,000		
GRANTS							
SPECIAL ASSESS.							
STATE/FED. LOANS							
OTHER							
<b>TOTAL</b>		<b>\$200,000</b>			<b>\$1,000,000</b>		

**PROJECT TITLE: COASTVIEW DRIVE SEWER LINE REPLACEMENT**

**JURISDICTION OF DIRECTOR: LEOPOLD**

**DESCRIPTION:** Replace 2,030 linear feet of sewer line.

**JUSTIFICATION:** Sewer line is old and deteriorating.



COMPLIES WITH SANITARY SEWER MASTER PLAN?

YES

NO

REQUESTED BY: OPERATIONS & ENGINEERING ASSIGNED TO: DREW BYRNE

**EXPENDITURE SCHEDULE**

PROJECT ELEMENT	TOTAL	2010/2011	2011/2012	2012/2013	2013/2014	2014/2015	2015 +
DESIGN							
CONSTRUCTION					\$500,000		
EQUIPMENT							
OTHER							
<b>TOTAL</b>	<b>\$500,000</b>				<b>\$500,000</b>		

**FUNDING SOURCE AND SCHEDULE**

SOURCE	TOTAL	2010/2011	2011/2012	2012/2013	2013/2014	2014/2015	2015 +
BONDS							
DISTRICT BUDGET					\$500,000		
GRANTS							
SPECIAL ASSESS.							
STATE/FED. LOANS							
OTHER							
<b>TOTAL</b>					<b>\$500,000</b>		

**PROJECT TITLE:****ARANA TRUNKLINE****JURISDICTION OF DIRECTOR:****LEOPOLD****DESCRIPTION:** Replace 3,480 linear feet of sewer line.**JUSTIFICATION:** Sewer line is old and deteriorating.

COMPLIES WITH SANITARY SEWER MASTER PLAN?

 YES NO

REQUESTED BY: OPERATIONS &amp; ENGINEERING ASSIGNED TO: Drew Byrne

**EXPENDITURE SCHEDULE**

PROJECT ELEMENT	TOTAL	2010/2011	2011/2012	2012/2013	2013/2014	2014/2015	2015 +
DESIGN							
CONSTRUCTION	\$2,000,000					\$2,000,000	
EQUIPMENT							
OTHER							
<b>TOTAL</b>	<b>\$2,000,000</b>					<b>\$2,000,000</b>	

**FUNDING SOURCE AND SCHEDULE**

SOURCE	TOTAL	2010/2011	2011/2012	2012/2013	2013/2014	2014/2015	2015 +
BONDS							
DISTRICT BUDGET						\$2,000,000	
GRANTS							
SPECIAL ASSESS.							
STATE/FED. LOANS							
OTHER							
<b>TOTAL</b>						<b>\$2,000,000</b>	

\*Design

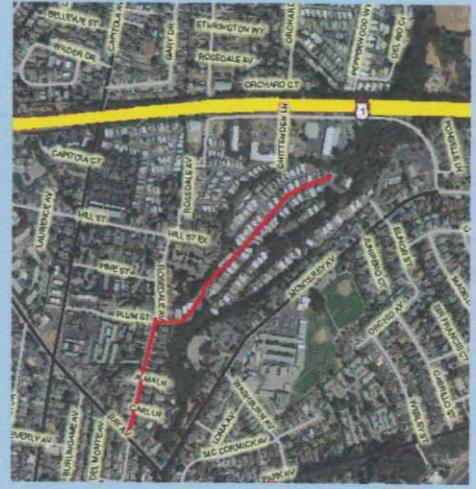
**PROJECT TITLE:****NOBLE GULCH TRUNKLINE (PHASE 1)**

JURISDICTION OF DIRECTORS:

**HARLAN & PIRIE**

**DESCRIPTION:** Replace 3,880 linear feet of deteriorating and undersized sewer line.

**JUSTIFICATION:** Need to remove old and deteriorated sewer lines out of riparian areas which are inaccessible to maintenance crews.



COMPLIES WITH SANITARY SEWER MASTER PLAN?

 YES

 NO

REQUESTED BY: OPERATIONS & ENGINEERING ASSIGNED TO: DREW BYRNE

**EXPENDITURE SCHEDULE**

PROJECT ELEMENT	TOTAL	2010/2011	2011/2012	2012/2013	2013/2014	2014/2015	2015 +
DESIGN							
CONSTRUCTION							\$2,000,000
EQUIPMENT							
OTHER							
<b>TOTAL</b>	<b>\$2,000,000</b>						<b>\$2,000,000</b>

**FUNDING SOURCE AND SCHEDULE**

SOURCE	TOTAL	2010/2011	2011/2012	2012/2013	2013/2014	2014/2015	2015 +
BONDS							
DISTRICT BUDGET							\$2,000,000
GRANTS							
SPECIAL ASSESS.							
STATE/FED. LOANS							
OTHER							
<b>TOTAL</b>							<b>\$2,000,000</b>

**PROJECT TITLE:**

**NOBLE GULCH TRUNKLINE (PHASE 2)**

**JURISDICTION OF DIRECTORS:**

**HARLAN & PIRIE**

**DESCRIPTION:** Replace 4,660 linear feet of deteriorating and undersized sewer line. Abandon Carl Lane pump station.

**JUSTIFICATION:** Need to remove old and deteriorated sewer lines out of riparian areas which are inaccessible to maintenance crews.



**COMPLIES WITH SANITARY SEWER MASTER PLAN?**

**YES**

**NO**

**REQUESTED BY:** RWQCB GRANT

**ASSIGNED TO:** DREW BYRNE

**EXPENDITURE SCHEDULE**

PROJECT ELEMENT	TOTAL	2010/2011	2011/2012	2012/2013	2013/2014	2014/2015	2015 +
DESIGN							
CONSTRUCTION							\$2,000,000
EQUIPMENT							
OTHER							
<b>TOTAL</b>	<b>\$2,000,000</b>						<b>\$2,000,000</b>

**FUNDING SOURCE AND SCHEDULE**

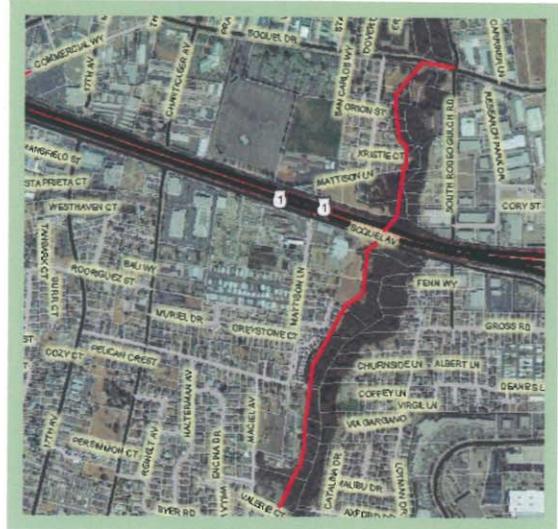
SOURCE	TOTAL	2010/2011	2011/2012	2012/2013	2013/2014	2014/2015	2015 +
BONDS							
DISTRICT BUDGET							\$2,000,000
GRANTS							
SPECIAL ASSESS.							
STATE/FED. LOANS							
OTHER							
<b>TOTAL</b>							<b>\$2,000,000</b>

**PROJECT TITLE: UPPER RODEO GULCH TRUNKLINE & SOQUEL BRIDGE SEWER REPLACEMENT**

**JURISDICTION OF DIRECTOR: LEOPOLD**

**DESCRIPTION:** Replace 4,900 linear feet of sewer line.

**JUSTIFICATION:** Need to replace undersized and deteriorating sewer lines. Pipe under bridge has lost some of its supports and is an exposed asbestos cement pipe. Completion of this project will allow the District to lift a long-standing moratorium in this basin.



**COMPLIES WITH SANITARY SEWER MASTER PLAN?**  YES  NO

**REQUESTED BY:** OPERATIONS & ENGINEERING **ASSIGNED TO:** DREW BYRNE

EXPENDITURE SCHEDULE							
PROJECT ELEMENT	TOTAL	2010/2011	2011/2012	2012/2013	2013/2014	2014/2015	2015 +
DESIGN							
CONSTRUCTION							\$4,000,000
EQUIPMENT							
OTHER							
<b>TOTAL</b>	<b>\$4,000,000</b>						<b>\$4,000,000</b>

FUNDING SOURCE AND SCHEDULE							
SOURCE	TOTAL	2010/2011	2011/2012	2012/2013	2013/2014	2014/2015	2015 +
BONDS							
DISTRICT BUDGET							\$4,000,000
GRANTS							
SPECIAL ASSESS.							
STATE/FED. LOANS							
OTHER							
<b>TOTAL</b>							<b>\$4,000,000</b>