Pillar Point Harbor Beaches and Venice Beach

2024 Annual Implementation Status and Monitoring Report

October 1, 2023 – September 30, 2024

Submitted in Compliance with Provision C.14.d of the San Francisco Bay Region Municipal Regional Stormwater NPDES Permit (Resolution No. R2-2022-0018)

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List of Abbreviations

ASBS	Area(s) of Special Biological Significance
BMP	Best Management Practice
C/CAG	City/County Association of Governments of San Mateo County
CAF	Confined Animal Facility
CAO	Confined Animal Ordinance
CCTV	Closed Circuit Television
County	County of San Mateo
CWA	Clean Water Act
DPW	Department of Public Works
EH	Environmental Health
EPA	Environmental Protection Agency
FIB	Fecal Indicator Bacteria
GI	Green Infrastructure
LID	Low Impact Development
MDL	Method Detection Limit
MRP	Municipal Regional Permit
MS4	Municipal Separate Storm Sewer System
MST	Microbial Source Tracking
NPDES	National Pollution Discharge Elimination System
NPS	Nonpoint Source
OWTS	Onsite Wastewater Treatment System
PPH	Pillar Point Harbor
RCD	Resource Conservation District
RWQCB	San Francisco Bay Regional Water Quality Control Board
SAM	Sewer Authority Mid Coastside
SFEI	San Francisco Estuary Institute
SFPUC	San Francisco Public Utilities Commission
SMCWPPP	San Mateo Countywide Water Pollution Prevention Program
SSO	Sanitary Sewer Overflow
TMDL	Total Maximum Daily Load
UCD	University of California, Davis
WQIP	Water Quality Improvement Plan
WY	Water Year

1.0 Introduction

The Pillar Point Harbor Beaches and Venice Beach, a State Beach, have been identified as impaired waterbodies due to high densities of fecal indicator bacteria (FIB) measured in water samples. A Total Maximum Daily Load (TMDL) is in place to resolve the bacteria impairment by implementing best management actions throughout the watershed to reduce pollutants entering the beaches in Pillar Point Harbor and Venice Beach. San Mateo County (County), the City of Half Moon Bay (City), and the San Mateo County Harbor District (Harbor District) have performed a wide range of implementation activities to improve water quality. This Pillar Point Harbor Beaches and Venice Beach Annual Implementation Status and Monitoring Report is submitted in compliance with the San Francisco Bay Regional Water Quality Control Board (Water Board) Municipal Regional NPDES Permit for Stormwater (MRP) Section C.14.d (Resolution No. R2-2022-0018). The report summarizes the implementation activities and monitoring performed in the TMDL watersheds between October 1, 2023, and September 30, 2024, and summarizes the following programs and plans:

1) Pillar Point Harbor Beaches and Venice Beach Bacteria Water Quality Monitoring Program – County.
2) Pillar Point Harbor Beaches and Venice Beach Stormwater Runoff Best Management Practices (BMP) Implementation Plan (revised May 2022) – County, City, Harbor District.
3) Pillar Point Harbor Beaches and Venice Beach Pet Waste Plan (revised December 2023) – County, City, and Harbor District.

2.0 Best Management Practices Summary

2.1 Municipal Stormwater

2.1.1 Initial Report and BMP Plan

As required by the Basin Plan Amendment, the initial report and BMP Plan was submitted to the Water Board by the County, City, and Harbor District on July 1, 2022, and described specific actions that will be implemented to reduce pollutant loads associated with municipal stormwater runoff, vessels, and amenities in Pillar Point Harbor (PPH), onsite wastewater treatment systems (OWTS), and confined animal facilities (CAFs). The plan also described a water quality monitoring program, which is implemented by the County.

2.1.2 Illicit Storm Drain Connections

As of June 2023, 100% of County's storm drain system in the TMDL area has been inspected via CCTV (Closed Circuit Television). No illicit sewer connections were identified. The final inspection report is included in Appendix G.

As of August 2022, 100% of stormwater lines within the jurisdiction of Pillar Point Harbor have been inspected via CCTV by Bell Plumbing. No illicit connections were identified. One (1) segment of the stormwater line (CB22-outfall) which is approximately sixty-five (65)-feet in length was found to contain three (3) void spaces where groundwater inflow is possible. The Harbor District has directed the San Mateo County Resource Conservation District (RCD) to initiate repairs in CY 2025. An initial observation is included in Appendix H.

The Harbor District has also contracted with the RCD to conduct scoping the force main between MH7A and the pumpstation at the boat ramp bathrooms to be completed in CY 2025.

As of September 2024, the City has completed its annual catch basin cleanout and visual inspections of the stormwater system. Additionally, 100% of the City's stormwater system has now been inspected using CCTV. No illicit connections were identified during any of the inspections, and no deficiencies requiring further CCTV inspections or emergency repairs were found. However, several segments of the stormwater system had debris or excessive sediment. One such segment (MH1026-MH1025), approximately 300 feet in length, was found to be over 30% full of sediment. This sediment was removed in November 2024. The other segments with debris will be cleared out during the next water year.

2.1.3 Homeless Encampments

In 2022, City and County developed a plan to prevent bacteria runoff from areas inhabited by unsheltered individuals in conjunction with the first annual implementation status and monitoring report.

As part of the BMPs for the Homeless Encampments Bacteria Runoff Prevention Plan the City continued to convene its unhoused populations work group on an as needed basis. In the 2024 Point-in-Time count, the City had an estimated twenty (20) unsheltered individuals, mostly in the Pilarcitos Creek watershed. Due to the flooding in December 2022 and January 2023, many encampments located along Pilarcitos Creek were flooded and swept away. Community partners such as Abundant Grace, LifeMoves, and WeHOPE provided service to those in need. As a result of this event, multiple cleanup operations have and will continue to be scheduled to remove debris from these encampments located along Pilarcitos Creek. Unfortunately, by the Summer of 2023 many of the encampments that were swept away have returned, and efforts to move those unhoused individuals have been unsuccessful. From the period of October 2023 to September 2024 approximately 35.81 tons of garbage were removed from encampments out of 56.23 total tons of trash picked up thanks to the City's contract with the Abundant Grace Clean Team, much of which was located around Pilarcitos Creek.

During the previous reporting period, the City had begun looking at upgrading and replacing the fence that used to run along the creek at Oak Avenue Park and adding a fence on the other side of the creek along Strawflower Village. In 2024, environmental studies were completed and are currently being reviewed. Next, a project scope will be prepared and shared with our local planning commission for a potential coastal development permit exemption. Project updates will continue to be included in future TMDL monitoring reports as this project progresses. In Pillar Point Harbor, there was a single unsheltered individual who had lived on Capistrano Beach for several years. This person was transferred to housing through San Mateo County's program to provide shelter to the unsheltered. The encampment above Capistrano Beach was cleaned by the Harbor District.

2.1.3.1 Tasks and Schedule

Table 1 summarizes the County and Half Moon Bay's Encampments Bacteria Runoff Prevention Plan

Table 1: Encampments Bacteria Runoff Tasks and Schedule

Implementation Task	Responsible Party	Schedule	Status
Location Data	**A) City, County** **B) City**	**A) Biannually** **B) Ongoing**	**B)** During the reporting period City staff met

Implementation Task	Responsible Party	Schedule	Status
A) Conduct check ins with County Parks, Sheriffs Dept, and the Harbor District to discuss any changes in homeless encampments in the TMDL area, and the proximity of those encampments to water surfaces. Assess feasible and appropriate responses, such as portable restrooms and sinks, and deterrence signs in the areas identified. **B)** Continue internal unhoused populations workgroup, so departments can coordinate efforts and keep better track of populations and trends. **C)** Provide an update in each annual report on the locations of homeless encampments based on visual assessments and conversations with local organizations.	**C) City, County**	**C) Annually**	internally and with outside agencies to ensure the safety of unhoused individuals living near Pilarcitos Creek during the December 2022 January 2023 storms. **C)** Due to privacy concerns the exact location of encampments and unhoused individuals is not being publicly shared. Due to the severe weather in early 2023 many encampments were abandoned or destroyed. Progress is continually being made to clean up debris in and around Pilarcitos Creek, and security fencing is planned to be installed. Many of the destroyed encampments have reappeared and have been growing around the creek.
Housing Continue working to achieve goal of functional zero homelessness through development of affordable and/or permanent housing	**City, County**	**Ongoing**	During the reporting period, the operation of Coast House was transferred from LifeMoves to WeHOPE in July of 2024. 75 clients were served by WeHOPE at the Coast House transitional housing. 25% moved into permanent housing. In addition the City in partnership with the County of San Mateo broke ground on a new housing development for low income farm laborers. The development is expected to be finished in 2026.
Outreach Pathways Work with County HAS, outreach service providers outlined in Sec.3.1, and the Sheriff's Dept. to	**City, County**	**Ongoing**	Abundant Grace helped unhoused individuals with completing 15 resumes and assisted 18 people in gaining

Implementation Task	Responsible Party	Schedule	Status
determine safe and effective outreach pathways to increase services to homeless encampments with a high potential for pollution.			employment. Additionally, 120 unique individuals worked in the job readiness program.
Business Inspections **A)** Prioritize inspections of businesses where UHIs are known to occupy areas near waterbodies. **B)** The County will report on how many businesses inspected report homeless encampments on their property in each Annual Report.	**A) County** **B) County**	**A) Ongoing** **B) Annually**	**A)** The County completed 2 business inspections **B)** No homeless encampments were reported
Pump Out Stations Continue exploring options for a safe parking pilot program on the Coastside. If implemented, review feasibility of incorporating restroom facilities, stationary and/or mobile pump out services, and/or a voucher program for participants to utilize Coastside pump out services.	**City, County**	**Ongoing**	In December 2022, the San Mateo County Board of Supervisors Awarded Half Moon Bay **$983,704** for the Working Together to End Homelessness (WTEH) Innovation Grant Program to create a safe parking pilot. However, this project was delayed due to the 2022/23 winter storms and the significant impact of a mass shooting event in Half Moon Bay. This delay and pushback on finding a location caused the City to postpone the project, and County funds were redistributed to a new project. The City is still evaluating how they want to move forward.
Sanitation Services Continue to maintain City owned public bathrooms and increase maintenance as needed.	**City**	**Ongoing**	City staff have continued to maintain City owned public restrooms. An additional public restroom is being constructed at Carter Park next to Pilarcitos Creek. The restroom is set to be completed in late 2025.
Cleaning Standards	**City**	**Ongoing**	The City has continued to maintain a Janitorial

Implementation Task	Responsible Party	Schedule	Status
Maintain contract with janitorial service provider to appropriately dispose of human waste when necessary.			contract. During this reporting period no human waste was reported or needed to be removed.

2.1.4 Loading Docks and Dumpsters

The County has established a list of businesses within half a mile of the beaches in the TMDL watershed with a high potential to contribute to stormwater pollution. The list was submitted to the RWQCB on September 30, 2022.

The County inspected two (2) businesses during the reporting period: Portola Pump Station (Nov 2023) and Easy Mart #1 (Dec 2023). There were no infractions or observations to report.

The City currently has 140 C.4 regulated businesses, most within the Pilarcitos Creek watershed. Most businesses are inspected every three (3) years, with some higher priority sites inspected annually, and any sites with violations are inspected the following year as well. This frequency of inspections allows the inspectors to view loading dock and dumpster areas annually for commercial centers.

2.1.5 Pet Waste Stations

County Parks continued to maintain the five (5) pet waste stations within the TMDL area: three (3) at Pillar Point Bluff County Park, one (3) at Quarry County Park, and one (1) at Mirada Surf West. These pet waste station benefit the Pillar Point Beach TMDL efforts.

The City has continued to maintain four (4) pet waste stations within the TMDL area: two (2) in parks along Pilarcitos Creek, one (1) in the park along Frenchman's Creek, and one (1) in the Keho neighborhood. All benefit the Venice Beach TMDL efforts.

Pillar Point Harbor maintains eighteen (18) pet waste stations throughout the Harbor and Coastal Trail from Surfer Beach south through the Harbor to Princeton by the Sea, and the West Trail out to Mavericks Beach, benefitting the Pillar Point Harbor Beach TMDL effort.

There are an additional five (5) pet waste stations within the TMDL boundary that are privately maintained by businesses.

Three (3) new pet waste stations were installed at the County's Quarry Park during the reporting period. See Section 2.1.5 for information regarding existing stations.

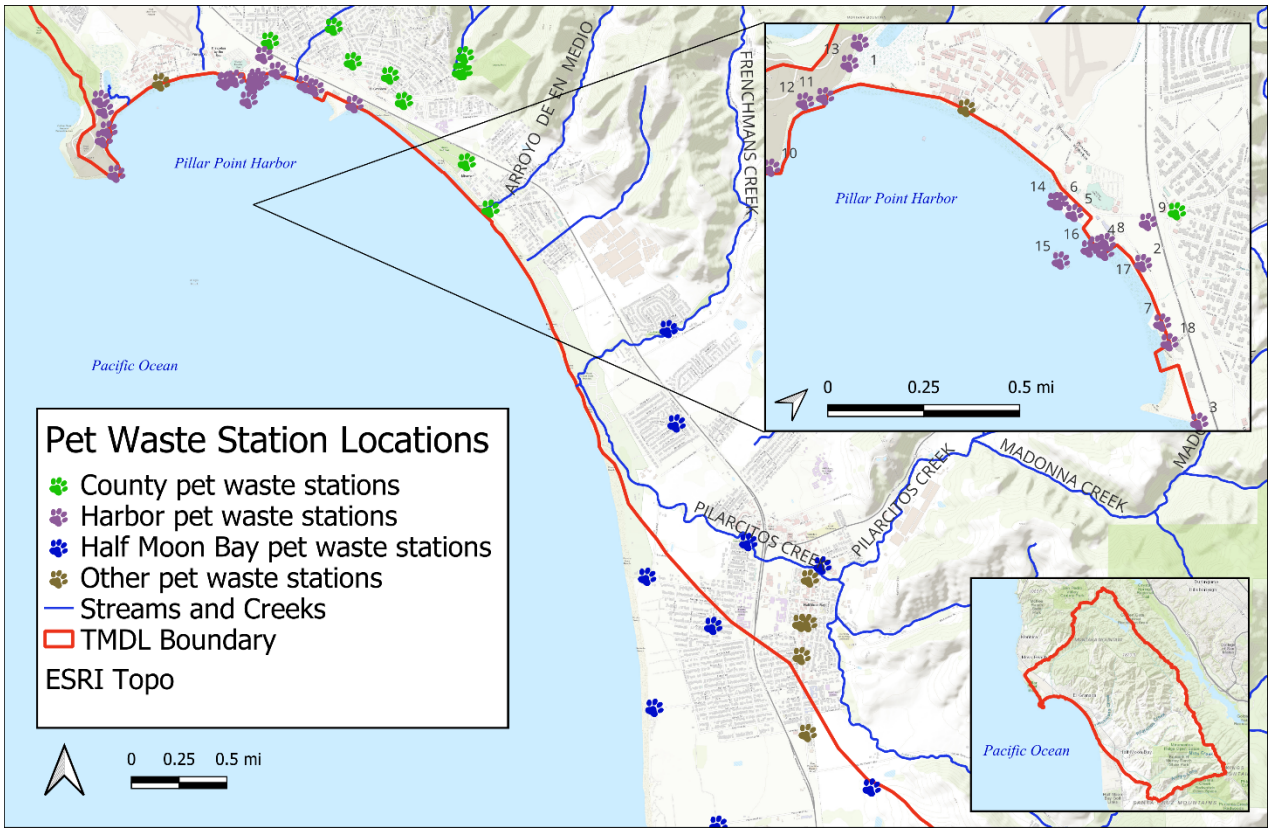


Figure 1. Pet Waste Station Locations

2.2 Vessels and Amenities in Pillar Point Harbor

2.2.1 Facilities Maintenance

The new restrooms at tenant row were completed in October 2023. The existing restrooms within the restaurant were demolished and capped. During construction of the restroom, all surrounding stormwater drains were replaced or cleaned, and all preidentified illicit connections to the stormwater system within the construction zone were permanently disconnected.

In 2023, the Harbor District successfully completed for and obtained funding through the Division of Boating and Waterways (DBW), Boat Launch Facilities (BLF) DBW Grant of $400,000. BLF Grant is being utilized to fund the design, engineer, and permit and permitting process which began in 2024.

Construction of the Surfers Beach Restroom and Green Space Project began in October 2022 and was completed in Summer 2024. The facility replaced the portable restrooms at Surfers Beach with a modern restroom facility for the Public to use, including the thousands of beach and Coastal Trail users. Vehicles traveling on Highway 1 also regularly pull into the public parking area to use the restroom facility.

The Harbor District continues to maintain portable restrooms at the West Trail on Pillar Point. The portable restrooms are checked six (6) times a day for cleanliness and supplies and are professionally serviced weekly, or as needed.

Stormwater lines are inspected annually and repairs are ongoing. All on site vehicle washing has halted, vehicles are now washed at a certified car wash.

Sewage lift stations are inspected and maintained daily by Harbor District personnel. A professional contractor, Peninsula Pump Inc., is contracted by the Harbor District to clean and complete required maintenance on a monthly basis.

2.2.2 Preventing Illicit Sewage Dumping From Boats

The Harbor District provides maintains a free sewage pump-out station. The station is accessible 24 hours per day, 365 days per year, and is available to both visiting and homeported vessels. A mobile commercial pump-out service is also available to boaters in Pillar Point Harbor for a fee. Two portable restroom dump stations are provided by the Harbor District at the launch ramp restroom and slip holder washrooms.

Visual inspections of vessels and surrounding waters occur daily during dock walks. There is an annual public campaign to educate boaters, and random dye tab testing is conducted quarterly. Dye testing is used to check onboard sewage systems for leaks. The Harbor District also ensures sewage overboard valves are secured in the closed position during the random dye tab inspections. In 2024, the Harbormaster inspected fifty-nine (59) boats, conducted dye tests on each and ensured the overboard valves were secured closed with serialized cable ties. All vessels that gain long-term moorage are inspected and dye tablet tested prior to issuing the permit.

2.2.3 Fish Cleaning Areas

The Harbor District maintains three public fish cleaning areas within Pillar Point Harbor. Each station is cleaned and maintained daily. Designated trash receptacles ns at each location clearly labeled for any solid biological waste (i.e., fish carcasses, guts, etc.).

2.3 Public Outreach and Education

2.3.1 Outreach to Vessel Owners

Public outreach within the Harbor is conducted through in person contact at the initial mooring agreement meeting, during dye tab testing activities, and daily interactions with the boat owners.

2.3.2 Pet Waste Outreach Summary

The County originally contracted with the RCD in 2017 to implement a Pet Waste Education and Outreach Program. That contract expired on June 30, 2021, and the County entered a new contract with the RCD on May 1, 2022, with an expanded scope. On December 14, 2023 the County terminated the Pet Waste Education and Outreach contract with RCD as the expanded scope was too expansive for the RCD to complete. Over the past year with support from both the Cities of Half Moon Bay and Pacifica, the County has implemented a majority of the expanded scope originally for RCD in the contract and is currently evaluating next steps for a more effective long-term program. This program would continue a joint education and outreach program with the participation of multiple agencies. A tabular summary of actions taken is included in Section 2.4.2.4 County Pet Waste Implementation Tasks and Schedule.

2.3.2.1 Administrative Controls

<u>Development of Pet Waste Ordinance</u>

On October 23, 2018, an ordinance amending Chapter 3.68 of Title 3 of the San Mateo County Ordinance Code was adopted by the County Board of Supervisors, establishing specified legal opportunities for dog recreation within San Mateo County Parks and Recreation Areas. Amendments to the County Ordinance Code were made to allow leashed dogs in certain County parks. Amendments also included the requirement to pick up and dispose of dog waste.

On-leash dog recreation is currently allowed at Pillar Point Bluff, Quarry Park, Mirada Surf, and along the Bay and Coastal trails, which have segments in several parks.

Before the County Parks Department took over management of Quarry Park and Pillar Point Bluff, dogs were allowed off-leash. This change has created challenges around education and enforcement. The County adopted updates to the ordinance in November 2021 to increase authority for County Parks to enforce pet waste and leash requirements (including fines) in anticipation of a proposed Off-Leash Pilot Program in Pillar Point Bluff and Quarry Park. The Off-Leash Pilot Program was approved for Quarry Park but was ultimately denied for Pillar Point Bluff. The County developed the Off-Leash Pilot Program in response to strong demand from the public and significant stakeholder input (https://www.smcgov.org/parks/leash-dog-pilot-program-quarry-park).

The ordinance was updated, and a pilot program was developed to improve management of dog-related issues within these parks. Bi-monthly monitoring data collected from the pilot is posted on the Parks website: https://www.smcgov.org/parks/news/smc-parks-leash-dog-pilot-program-data.

For property under the jurisdiction of the Harbor District, only on-leash dog recreation is allowed.

2.3.2.2 Web Based Outreach

Website

The County's rebranded website will contain a page dedicated to pet waste outreach, it is anticipated to be completed in late Summer 2025. The website also includes a seperate page deciated to information about existing TMDLs.

The City of Half Moon Bay added a webpage for the Pillar Point Harbor – Venice Beach TMDL in May 2023. This site provides information on the TMDL, resources for pet owners, a link for the public to view the County's Beach and Creek monitoring data, and more. https://www.half-moon-bay.ca.us/920/Water-Quality

Pet Waste Pledge

The County launched an online pet waste pledge in October 2017 targeted at dog owners throughout the County. The goal of the pledge is to increase awareness about the connections between everyday activities, including dog waste disposal, and water quality. To date, there are a total of one hundred and seventy-eight (178) pledges during this reporting period. The previous year was six (6). The increase in pledges and website traffic to the pledge is due to the County's pivot in outreach materias, using stickers with QR codes on the back for easier public engagment and access. The Harbor District has attached informational flyers, as seen in Appendix C, to the Operations Activity Reports which are sent out every 3rd Wednesday (once a month) for the past 2 years.

Social Media Posts

2.3.2.3 Outreach Events

in Half Moon Bay (April 2023), the One Ocean Festival at San Benito House in Half Moon Bay (May 2023), Make it Main Street in Half Moon Bay (July 2023), Pacifica Arts and Fun Fest in Pacifica (August 2023), and Fog Fest in Pacifica (September 2023). The outreach materials were designed to enable interaction with educational content both in person and virtually. The community events were specifically chosen to connect with a wide range of residents from the Coastside and visitors from outside the area as well. County tabled at

2.3.2.4 County Pet Waste Implementation Tasks and Schedule

Table 1 summarizes the County's pet waste implementation tasks and schedule.

Table 1: County Pet Waste Implementation Tasks and Schedule

Category	Task	Time Frame	Status
Administrative Controls	Enforce County Parks regulations (no dogs in Fitzgerald Marine Reserve except for Coastal Trail) and develop pet waste ordinance	Ongoing	Ordinance passed by Board of Supervisors on October 23, 2018, that addresses dog access and failure to remove dog waste in County Parks. Updated Ordinance was approved November 2021.
Pet Waste Stations	Conduct research on pet waste stations in residential areas: magnitude of pet waste, feasibility of adding stations, and effectiveness	May 2022 – April 2025	Pet waste partners worked together to find and map all the pet waste stations inside of the TMDL area. This data, as shown in Figure 1, will be used to inform decisions on future pet waste stations.
Outreach			
Print-based Outreach	Send at least 500 mailers per year for two years to Coastside residents across Pacifica and Half Moon Bay conveying information on General Watershed Protection and Pet Waste/Wet Season Alert	May 2022 – April 2024	Over 2,000 mailers were sent to Coastside Residents in November 2023 which concludes the outreach for the May 2022-April 2024 mailer effort
	Publish four print ads per year in local press	Began in January 2023	The County worked with AdTech who suggested the County run digital ads. This was done in September 2024, as print media is no longer as popular as it once was on the Coastside. One digital ad was posted as well as a newsletter with 6,700 subscribers. The newsletter advertisement was ran for 10 days, Appendix G. The County did not see any traffic on the advertisements or digital

Category	Task	Time Frame	Status
			ads and is evaluating strategy with AdTech for next steps.
	Print and post 50 flyers/bulletins per year in public places and at businesses	May 2022 – April 2025	Original flyers were created and distributed to partners on the Coastside and were posted and distributed in Spring of 2024. The County distributed 25 flyers to partners and posted 25 flyers in County Parks along the Coastside.
	Print and distribute 250 informational brochures per year at public events and meetings	May 2022 – April 2025	Brochures were distributed at each outreach event. The County created an informative sticker which was distributed to partners and at each event. To date, the County has distributed over 600 stickers with a QR code linking to the pet waste pledge.
Web-Based Outreach	Send pre-rain email alerts to dog owners	Beginning in September 2022	Alerts sent on January 30 and February 16 prior to major rain events.
	Prepare 12 social media posts per year	Beginning in May 2022	Social Media Post made by the County: 1/18/2024 - Instagram / Facebook 1/30/2024 - Instagram / Facebook 2/16/2024 - Instagram / Facebook 3/4/2024 - Instagram / Facebook 3/4/2024 - Instagram / Facebook 4/3/2024 - Instagram / Facebook 4/19/2024 - Instagram / Facebook 4/20/2024 - Instagram / Facebook 4/24/2024 - Instagram / Facebook 6/8/2024 - Instagram / Facebook Social Media Posts made by City of Half Moon Bay: 11/14/2023 - Facebook / Nextdoor 11/23/2023 - Instagram 11/27/2023 - Facebook / Nextdoor 11/27/2023 - Nextdoor 12/18/2023 - Facebook / Nextdoor 1/30/2024 - Facebook / Instagram 1/30/2024 - Facebook / Nextdoor 2/16/2024 - Instagram / Nextdoor 3/29/2024 - Facebook / Instagram 3/29/2024 - Nextdoor

Category	Task	Time Frame	Status
	Develop online pet waste pledge	Launch in October 2017	178 pledges and engagements with the pet waste pledge this past water year due to new outreach materials. The County created a sticker with a QR code on the back which would links to the Flows to Bay pledge. See Appendix G.
	Develop contractor-hosted webpage with detailed information on watershed pollution prevention.	Beginning in May 2022	RCD Webpage and content development was completed in Fall 2023. However, the County will take over this effort and will have a live webpage dedicated to Pet Waste, TMDLs, and water pollution prevention which will launch in Summer 2025. Half Moon Bay added a TMDL webpage in May 2023.
Outreach Events	Conduct quarterly volunteer pet waste cleanups	May 2022-April 2025	In 2024, four (4) cleanups were conducted in partnership with SeaHugger on 5/25, 6/22, 7/27, and 8/24.
	Participate in local events and festivals and distribute pet waste management materials such as educational brochures, dog waste bags, etc.)	May 2022-April 2025	The County participated three (3) tabling sessions conducted at local festivals with 100+ attendees at each event. The County distributed materials and information at public events at Whale Fest on 4/20, El Granada Earth Day 4/20, and County Earth Day 4/10. The City participated at five (5) tabling sessions at Coastside festivals. 4/14/2023 Senior Coastsiders Earth Day Event, 5/20/2023 One Ocean Festival at San Benito House, 7/6/20232023 Make it Main Street, 8/20/2023 Pacifica Arts and Fun Fest, 9/23/2023 Fog Fest.

2.4 Onsite Wastewater Treatment Systems

As required by the Water Board, the County conducts inspections at all Onsite Wastewater Treatment Systems (OWTS) in the TMDL watersheds to ensure proper function, identify if any repairs are needed, and reduce the overall risk for sewage to leave these onsite systems. The County continued to implement the OWTS Policy and Local Agency Management Plan (LAMP) in WY 2024. The County previously reported 18 known OWTS sites in the Venice Beach watershed. After further investigation, the total number has been reduced to 16. County staff confirmed one site has since been connected to the sanitary sewer, and another site had no waste handling facilities.

Of the 16 known OWTS in the Venice Beach watershed, 1 was inspected in 2018, 5 were inspected in WY 2023, 2 were inspected in WY 2024, and 4 denied requested access in WY 2024. The remaining 5 require further inspection. The OWTS inspected in 2018 was over 100 feet from creek bank, in good working order, and had no evidence of failure.

The County inspected a total of 2 OWTS sites during the reporting period. One site previously had a damaged septic tank which required repair and was replaced in July 2024 under permit with County Environmental Health. No problems were observed with the leach fields. The second site showed no signs of surfacing effluent, and the OWTS appears to be approx. 100 feet from creek.

Inspection access was requested for 4 of the sites through the County Farm Worker Housing task force. Initial response from owners denied access. As these parcels are within City of Half Moon Bay, City will be attempting access in near future.

The County will work to schedule inspections for the remaining 5 sites in WY 2025. Additionally, the County did not receive any OWTS complaints, identify failures, or require corrective action during the reporting period. No alternate OWTS with annual operating permits exist within the watershed.

2.5 Confined Animal Facilities

2.5.1 San Mateo County Confined Animal Facility Ordinance

The County of San Mateo conducts inspections of horse facilities every three years to assess compliance with the County's Confined Animal Ordinance (CAO). The CAO is not applicable in the City of Half Moon Bay. The County inspects and enforces three (3) Confined Animal Facilities (CAF) within the TMDL area. Back in August 2022, the County performed special, out of cycle inspections at the request of the Water Board at Lemos Farm and Madonna Creek Ranch. No violations were observed during the inspections; however, the County required additional BMPs at both facilities to further prevent runoff from animal holding areas and/or manure stockpiles from entering Pilarcitos Creek. The third CAF in the TMDL area, Canyon Creek Equestrian Center, was contacted for inspection, and the owner confirmed there were no horses at the facility during WY 2023. The next 3-year inspection for all three CAFs is scheduled to take place in 2025.

The County Planning & Building Department has begun planning efforts to update the current CAO. The plan to update the CAO continues to be included in the long-range work plan for Planning & Building; however, due to staff changes and other State bill mandated updates taking precedence, this effort has been delayed and is anticipated to restart in winter 2026. 2.5.2 San Francisco Bay Region Confined Animal Facility Order

Since the adoption of the TMDL, confined animal facilities in the TMDL area must enroll under in the San Francisco Bay Region's General Waste Discharge Requirements for Confined Animal Facilities Order (Order No. R2-2016-0031). Enforcement of this Order is the responsibility of Water Board staff with limited involvement from County and City staff. During this past reporting period, Water Board staff identified twelve (12) facilities that may need to enroll in the Order. After further investigation, four (4) were removed from the list and Water Board staff have enrolled or are working to enroll the remaining eight (8) facilities. County and City staff will continue to assist Water Board staff with enrolling facilities as needed.

3.0 Water Quality Monitoring

3.1 Requirements

Provision C.14.d.ii of the MRP requires water quality monitoring to assess attainment of wasteload allocations and assess BMP effectiveness.

Wasteload allocation assessment monitoring (i.e., compliance monitoring) must be conducted by the County at five stations (Pillar Point Harbor (PPH) #5, #7, #8, #9, and Venice Beach) at a weekly interval year-round for fecal indicator bacteria. Samples collected at these stations must be analyzed for Enterococcus. The MRP requires comparing results from the stations to the TMDL wasteload allocations.

3.2 Compliance Monitoring

This section summarizes the compliance monitoring conducted in Water Year 2023 during the reporting period. County Environmental Health Services continued to perform weekly compliance monitoring at PPH Stations #5, #7, #8, #9, and Venice Beach. See Figure 2 for a map of sampling locations. Ocean water samples from these monitoring stations are analyzed for total coliform, Enterococcus, and *E. coli.* Monitoring data are entered by County Environmental Health Services into the California Water Quality Monitoring Council database on a weekly basis and can be accessed on the California Environmental Data Exchange network (CEDEN).

The geometric mean values are used to evaluate impairment. A rolling geometric mean for a minimum of five (5) samples in a six-week period was calculated on a weekly basis for those weeks where a sample was collected. There were fifty-three (53) weeks within the reporting period, with fifty-two (52) weekly samples collected at PPH #9; 51 samples collected at PPH #5, and PPH#8; 50 samples collected at PPH #7; and 48 samples collected at Venice Beach. The initial six (6) week period ended on October 2, 2023, and used the six (6) weekly samples taken from August 28, 2023, to October 2, 2023. Therefore, five (5) weeks of samples taken before this reporting period were used for the data analysis. Geometric means that spanned both the wet and dry season (e.g., April and May), were designated as wet season if at least three samples were in the wet season. For the purposes of data analysis, samples under the Method Detection Limit (MDL) of 10 MPN/100mL were calculated as 5 MPN/100mL. Samples never hit the upper detection limit for Enterococci.

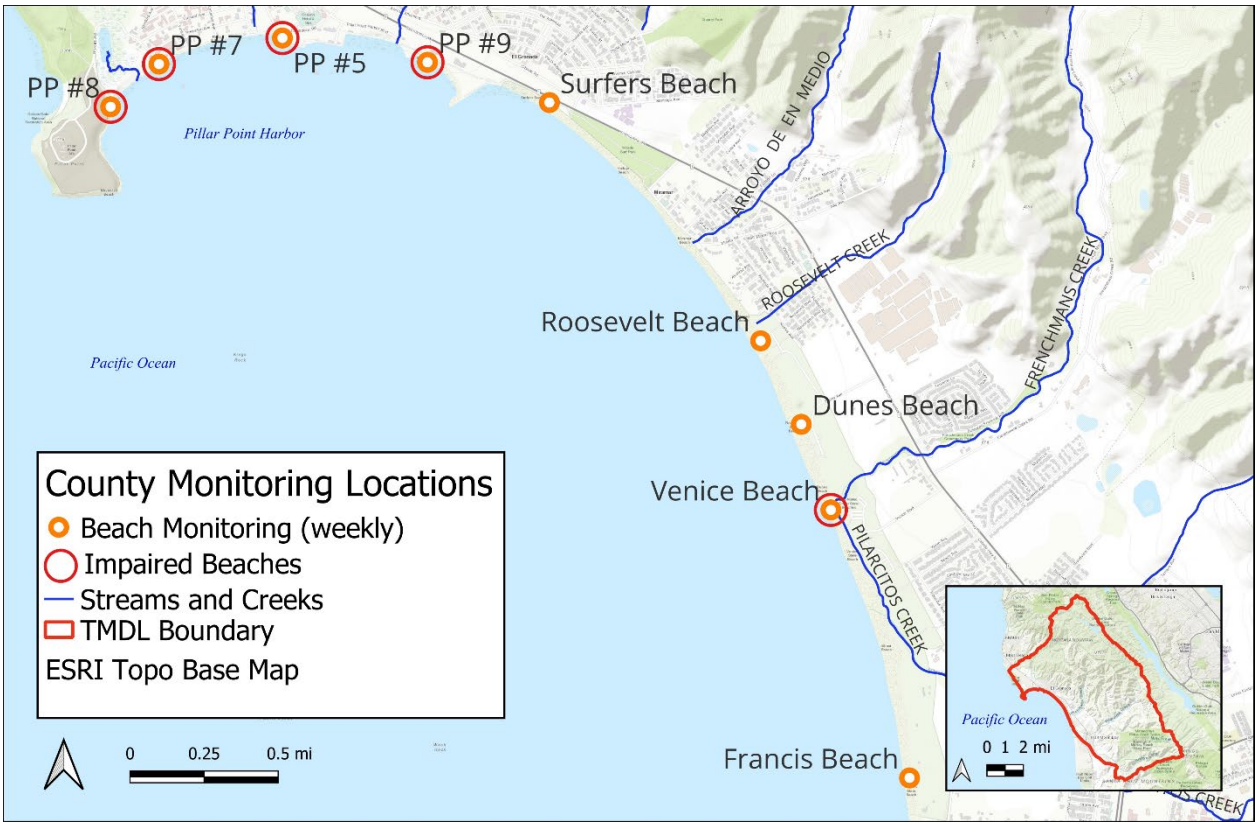


Figure 2. Compliance monitoring sampling sites

Samples were compared to water quality objectives (WQO), or thresholds, set in the TMDL Staff Report, as shown in Table 2. An exceedance is defined as a geometric mean for a water body greater than the applicable geometric mean of 30 MPN/100mL in any six (6) week interval, calculated weekly for weeks where a sample was collected. From October 2023 – September 2024, weekly geomeans were calculated and analyzed for each of the five sites (Appendix C).

Table 2: WQO for single samples (Table 5-1 of TMDL Staff Report)

Indicator	**Geometric Mean (cfu*/100mL)**	**Statistical Threshold Value (cfu/100mL)**
Enterococci	30	110

*Colony Forming Units (CFU) are considered equivalent to Most Probably Number (MPN)

WY 2024 Data

The reporting period of this third annual monitoring report begins at the beginning of the wet season (defined as October – April) and ends at the end of the dry season (May – September). Of the 248 geomeans calculated across all sampling sites from October 2023 to September 2024, 101 samples are from the dry season and 147 are from the wet season. 129 (52%) samples total exceeded WQO. The dry season samples had an exceedance rate of 35% vs. 64% for the wet season samples. PPH #5 and PPH #9 recorded the highest exceedances during the reporting period at 78% and 90% respectively. The other

three sites have a much lower percentage of exceedances with 52% for PPH #7, 16% for PPH #8, and 18% for Venice Beach. The TMDL Staff Report allows for a 10% exceedance due to natural sources of bacteria, so therefore TMDL compliance is achieved when all sites have fewer than 10% exceedance. None of the sites met the water quality objectives in the TMDL, although PPH #8 and Venice Beach were close. The geometric means for each monitoring site are shown in Figures 3 through 7.

See Table 3 and Table 4 for more information and a comparison of sampling sites and seasonality.

Table 3: Total exceedances across all Beaches for weekly sampling, Oct 1, 2023 - Sept 30, 2024

Monitoring Period	Total Samples	Total Geomeans	Total Exceedances	% of Exceedances
Wet Season (October 1, 2023 - April 30, 2024)*	151	147	94	64
Dry Season (May 1, 2024 - September 30, 2024)	01	101	35	35
Total Oct 2023 – Sept 2024	252	248	129	52

* October weekly geometric means may include samples collected in August and September 2023.

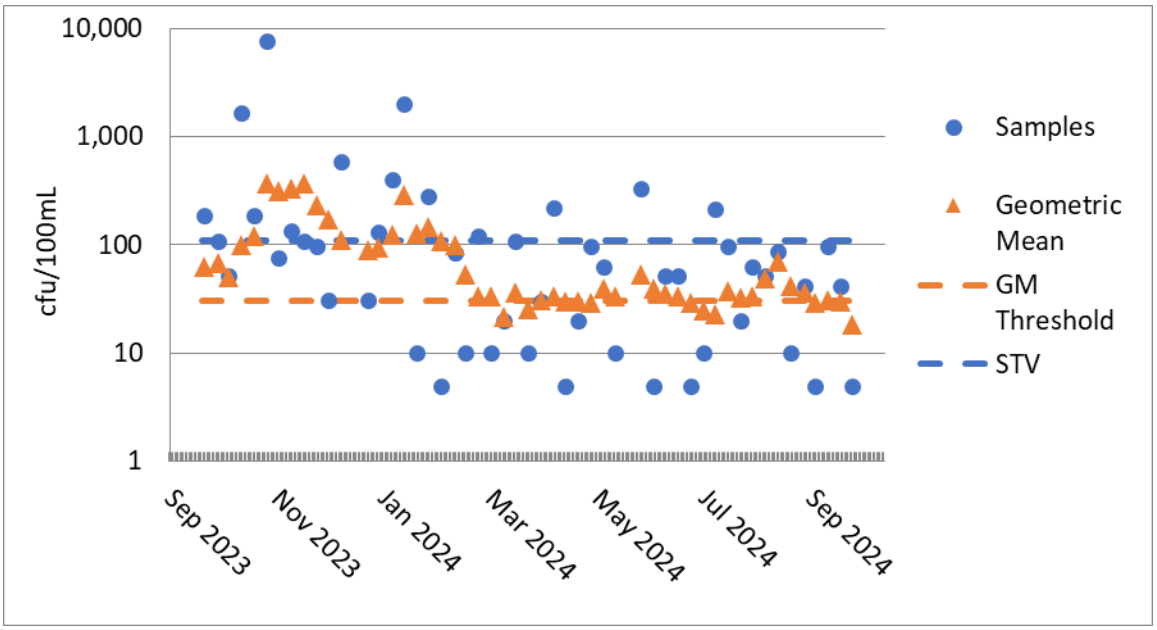


Figure 3. GMs for PPH #5

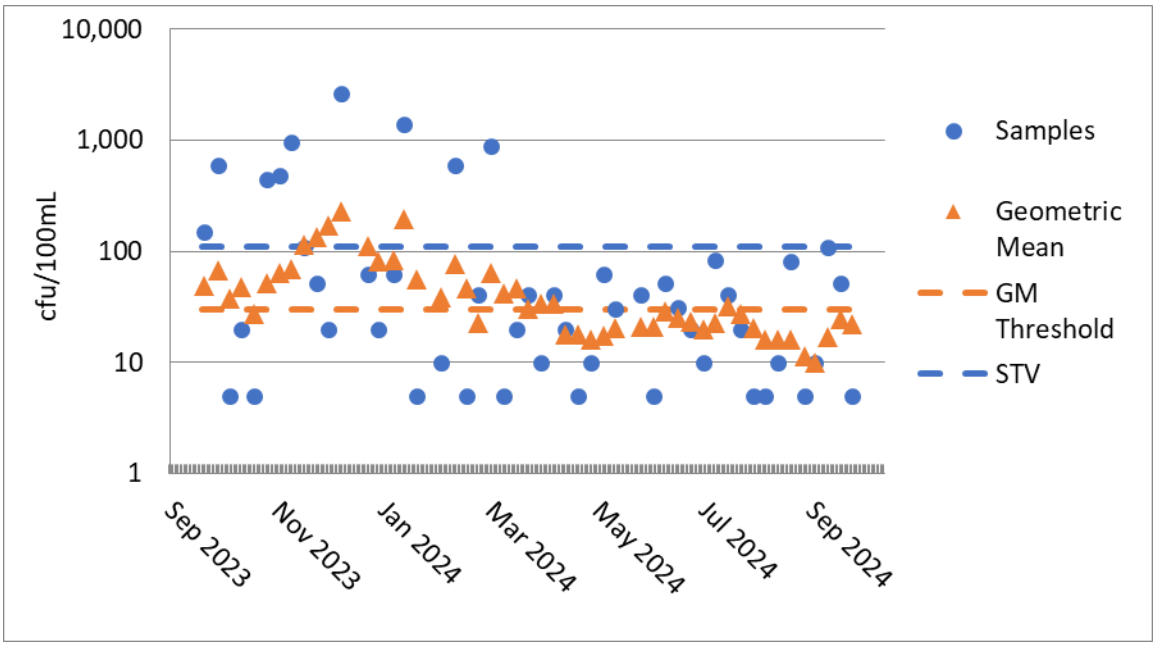


Figure 4. GMs for PPH #7

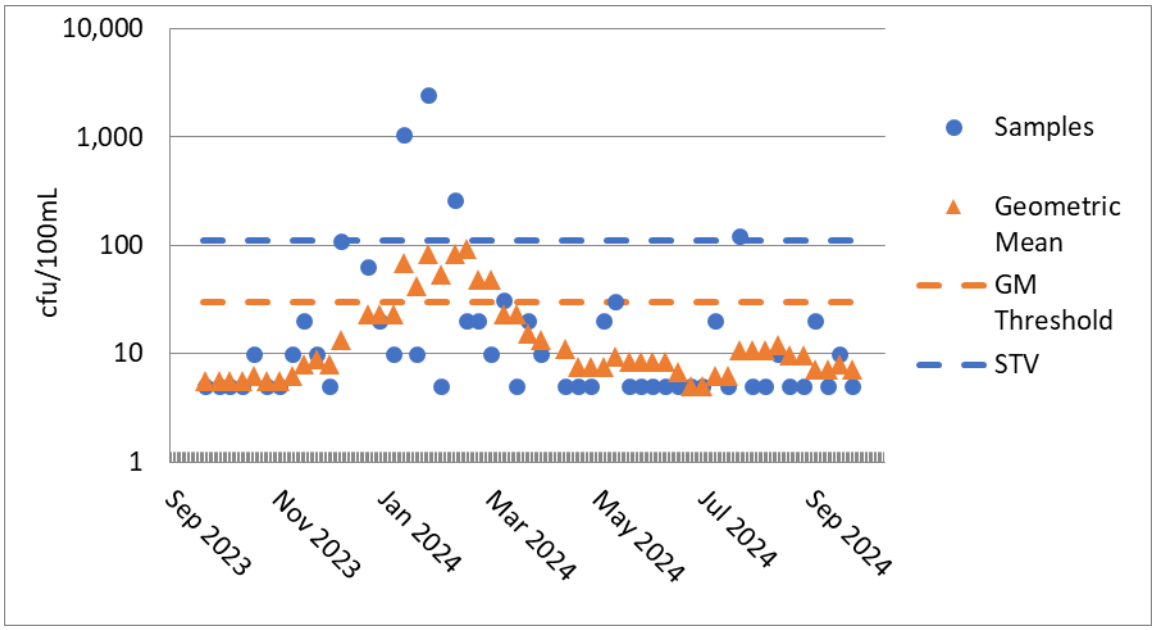


Figure 5. GMs for PPH #8

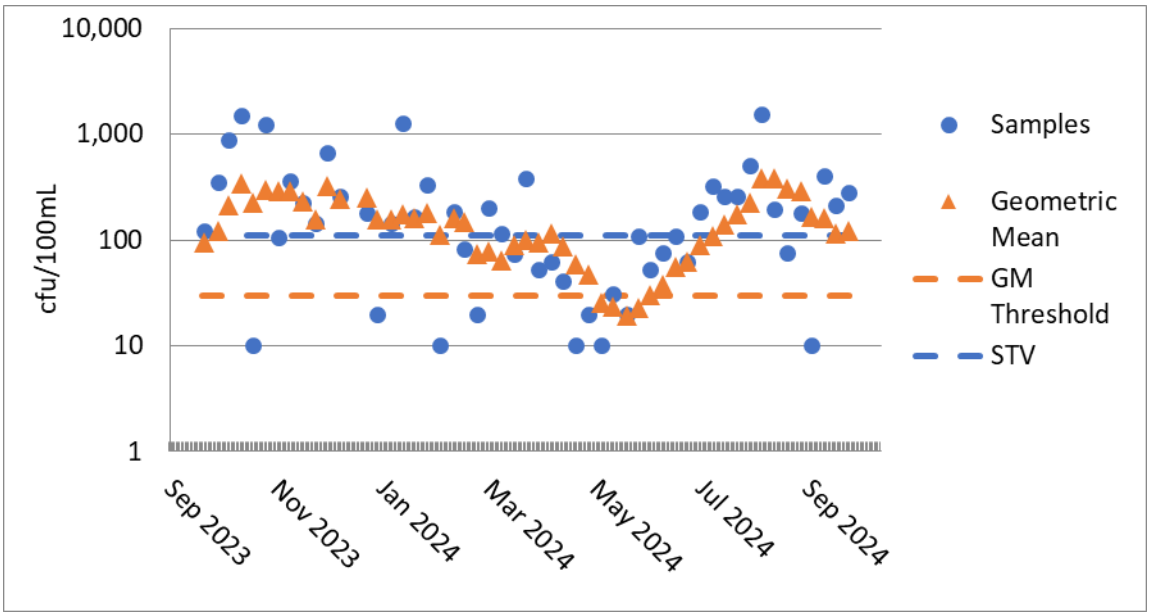


Figure 6. GMs for PPH #9

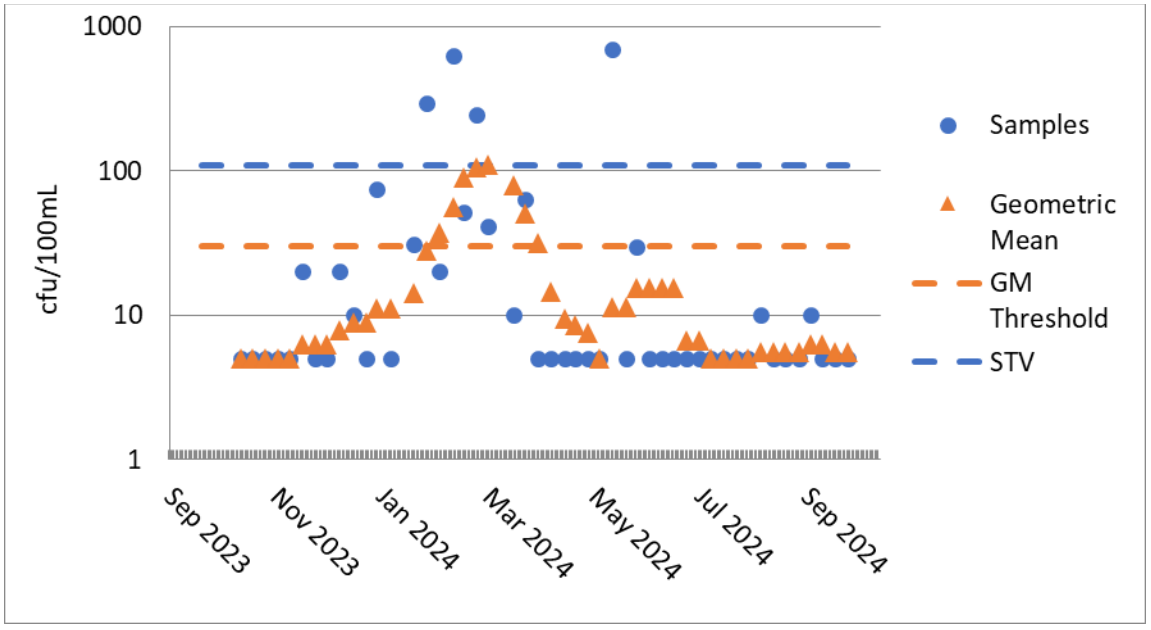


Figure 7. GMs for Venice Beach

Table 4: Comparison of Dry Season vs Wet Season exceedances by Monitoring Site 2022

Monitoring Site	Season	# Samples	# Geomeans	Number of Exceedances	% Exceedance
PPH #5	Dry	20	20	14	70%
	Wet	31	31	26	84%
	Total	51	51	40	78%
PPH #7	Dry	20	20	3	15%
	Wet	30	30	23	77%
	Total	50	50	26	52%
PPH #8	Dry	21	21	0	0%
	Wet	30	30	8	27%
	Total	51	51	8	16%
PPH #9	Dry	21	21	18	86%
	Wet	31	31	29	94%
	Total	52	52	47	90%
Venice Beach	Dry	19	19	0	0%
	Wet	29	25	8	32%
	Total	48	44	8	18%
Total	Dry	101	101	35	35%
	Wet	151	147	94	64%
	Total	252	248	129	52%

Trend Analysis

Dry season, wet season, and total water year results were analyzed for trends. This is only the third year of the TMDL, and previous data before the TMDL was approved were not included in the trend analysis. The data is quite variable, and the drivers of high enterococcus results are poorly understood. Therefore, conclusions cannot be made whether water quality at the five (5) monitoring has changed based on the three-years of monitoring. It should also be noted that the first year only included part of the wet season after February and did not include October to January. Water Year 2023 was also exceptionally cold and wet, with creeks running much higher than average for much of December through March. Water Year 2024 had relatively average precipitation.

Relative to the previous year, all five (5) sites had a lower or equal percentage of exceedances during the dry season (Figure 8), and one (1) had a lower percentage of exceedances during the wet season (Figure 9), and two (2) had a lower percentage of exceedances for the entire year (Figure 10). For all the sites combined, there was a much lower percentage of exceedances during the dry season than last year, 35% versus 56%. For the wet season, the percent of exceedances increased from 49% to 64%. For the entire year the exceedances were the same as last year at 52%.

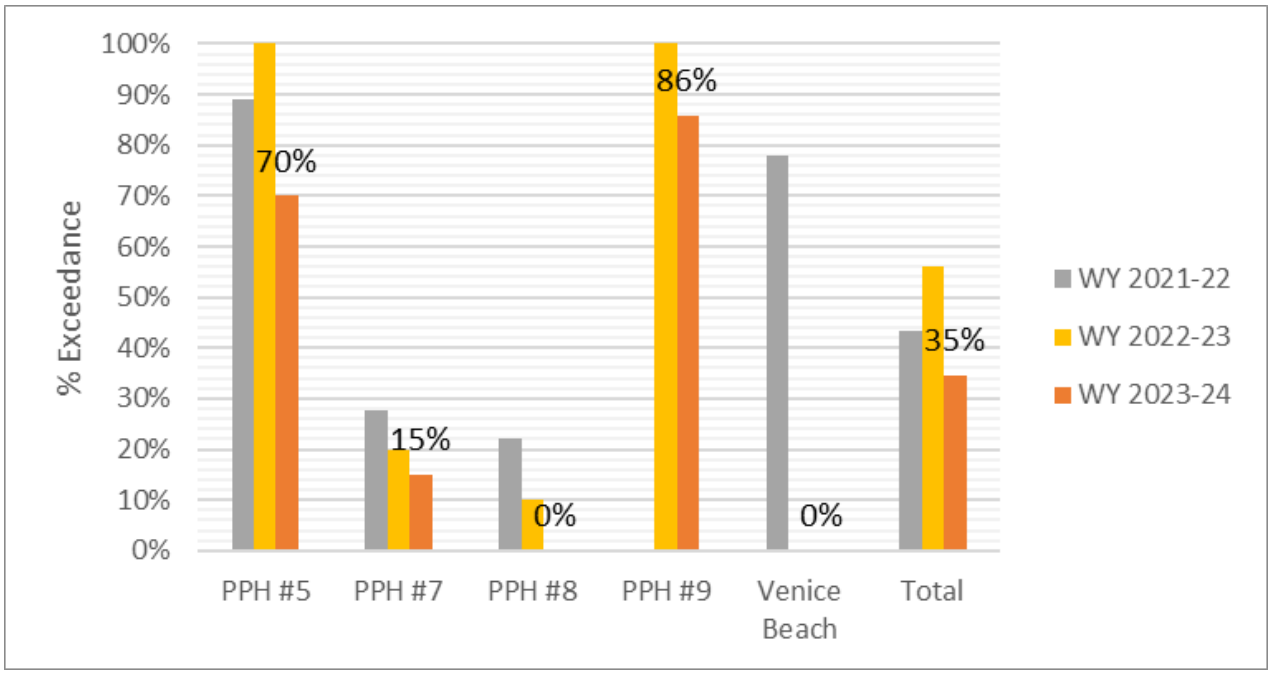


Figure 8. Percent exceedances for Dry Season by year

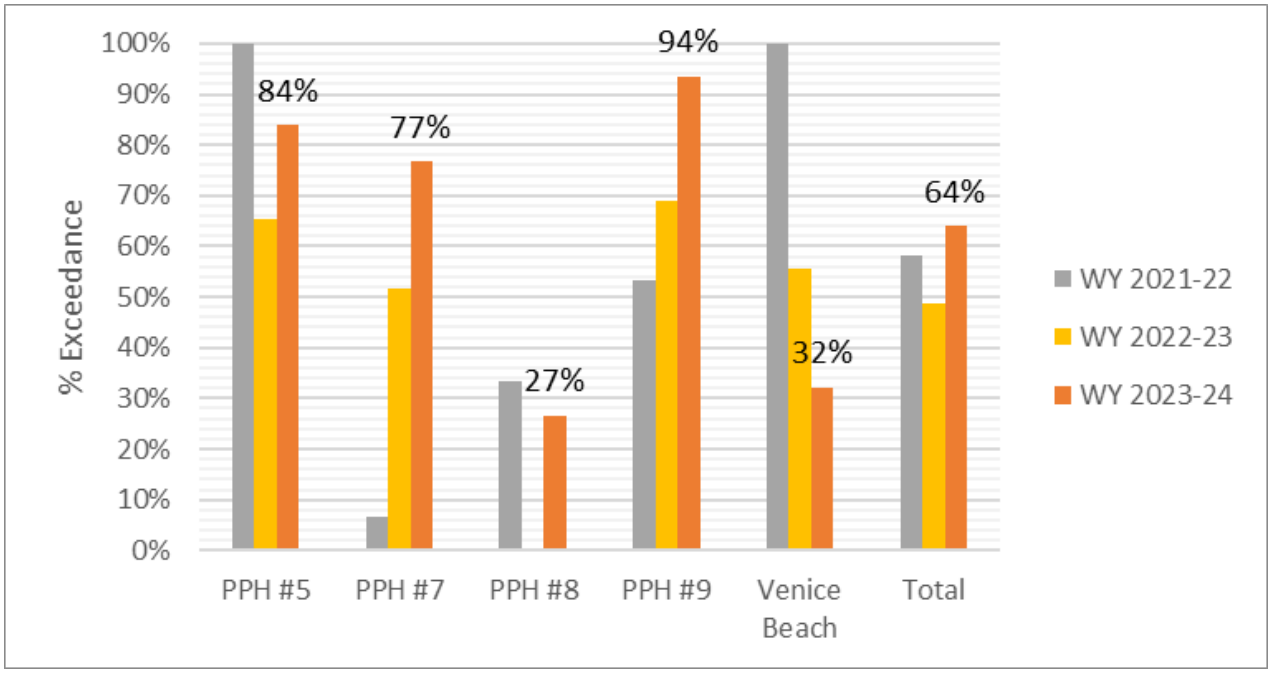


Figure 9. Percent exceedances for Wet Season by year

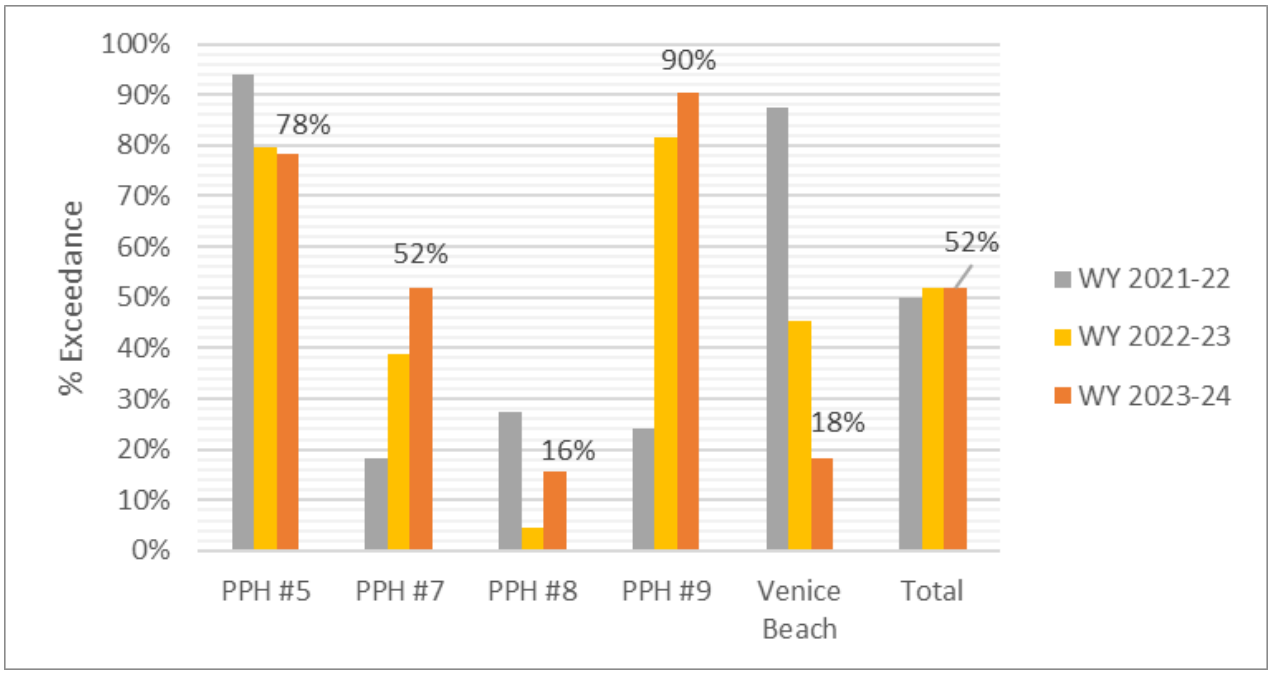


Figure 10. Percent exceedances for Water Year by year

Source Analysis

The amount or the intensity of rainfall can impact water quality results and cause variability in the sampling data. Increased rainfall and more intense rainfall are expected to transport more pollutants deposited on land into receiving water, leading to higher bacteria levels at the monitoring stations at the beach. Natural sources, including wildlife in the upper watershed, wildlife on the beaches, and wildlife in the ocean all contribute to bacteria at the five monitoring locations. Quantifying these natural sources versus manmade sources is challenging.

PPH #5 and PPH #9 sampling sites had the highest concentrations of Enterococcus. Continued inspections of storm pipes and businesses near Capistrano outfall are needed to further investigate potential sources of bacteria into Pilar Point Harbor. The Venice Beach monitoring station is at the confluence of Frenchman's Creek and Pilarcitos Creek and has a very high concentration of wildlife because of the freshwater sources. Focused management actions such as prioritized inspections and repairs of failing OWTS shall be conducted to address water quality problems.

The TMDL WQO is not being met at the beaches, and the high *Enterococcus* concentrations continue in both the wet season and dry season. Ongoing water quality sampling paired with BMP implementation in the watershed must continue at the beaches at Pillar Point Harbor and Venice Beach to determine if there is a measurable improvement in water quality from the implementation activities.

4.0 Implementation Plan Tasks and Schedule

Table 6 below summarizes implementation actions described in Section 2.0, specifies the responsible party(ies), and provides a tentative schedule for implementation.

Table 5: Pillar Point Harbor Beaches and Venice Beach Bacteria TMDL Monitoring and BMP Implementation Plan tasks and schedule.

Category	Implementation Task	Timeframe	Status
Municipal Stormwater Runoff	Submit an Initial Report to the Water Board describing actions to prevent or reduce discharges of bacteria to storm sewer systems. The report shall also include timeline and/or frequency of implementation activities for all the actions listed below, as appropriate.		Implementation Plan submitted to the RWB on July 1, 2022
	Illicit Storm Drain Connections: **County**: The County will Inspect 20% of their storm drain infrastructure system by January 30, 2023, with an additional 20% investigated each year over the next 4 years. **City:** The City will investigate 20% of their system by January 30, 2023, with an additional 20% investigated each year over 5 years. **Harbor District:** The Harbor will investigate 100% of their system by January 30, 2023.	County: Dec 2022 City: Harbor District:	County: 100% inspected by June 2023 City: 100% of stormwater system inspected by November 2022 Harbor District: 100% of stormwater system inspected by August 2022
	Homeless Encampment Clean-up/Prevention: The County and City will collaborate with relevant departments and outside agencies to develop a plan to address stormwater pollution associated with homeless encampments. The plan will be aligned with requirements outlined in Provision C.17 of MRP 3.0	Completed by March 30, 2023	The City and County submitted a proposed plan to RWQCB staff on March 30, 2023.
	Loading Docks and Dumpsters County Environmental Health Services will establish a list of businesses within ½ miles to the beach and with high potential to contribute to stormwater pollution. Facilities on this list will be subject to increased inspections if deemed necessary. **The City will continue annual C.4 inspections to ensure proper management of dumpsters and loading docks.**	Inspections completed October-December 2022	List of facilities submitted on September 30, 2022.
	Pet Waste County and City will conduct regular maintenance of pet waste stations and re-evaluate maintenance intervals and the addition of new stations as necessary.	Ongoing	Ongoing
Vessels and Amenities in PPH	**Dumping from Boats** Possible ideas from County: Increased inspections/patrols, additional dye test	Daily patrols, Quarterly dye testing	Harbor District has conducted qurterly

Category	Implementation Task	Timeframe	Status
	requirements, proof of pumping for liveaboards		dye tab testing with no violations noted.
	Fish Cleaning Areas Inspect fish cleaning areas and disposed of offsite.	Twice per day or as needed	Ongoing
Public Outreach and Education	**Outreach to Vessel Owners** Harbor District/RCD will develop and distribute general water quality printed handouts to vessel owners (see attached draft) and posts a minimum of six social media posts focusing on individual pollutants including pet waste, nutrients, and heavy metals.	Annually	Ongoing
	Pet Waste Outreach County and City will coordinate with RCD to convene quarterly Pet Waste Stakeholder Group to collaborate on pet waste outreach efforts.	May 2022 – April 2025	See Sec.2.4.2.6
OWTS	The County will continue to Implement the OWTS Policy and any approved Local Agency Management Program. The County will ensure corrective actions for all OWTS that are failing or in need of major repairs are complete.	Ongoing	Ongoing
	The County will track and report the compliance status of identified failing systems and results of all other implementation activities to the Water Board.	Annually	Annually
	For septic tanks within the Pilarcitos Creek watershed, the number of pumper inspections, routine and nonroutine inspections, and complaint investigations will be reported to the RWQCB annually.	Annually	Annually
Confined Animal Facilities	**Regional Confined Animal Facility Order** County and City will assist Water Board staff as necessary to enroll all applicable facilities in the regional CAF Order.	County submitted records to Water Board on July 1, 2022.	County submitted records to Water Board on July 1, 2022.
	San Mateo County's Confined Animal Ordinance Compliance a) Site inspection for zoning compliance every 3 years b) Compliance review of current manure, stormwater, and drainage management plans every 3 years	a) Every 3 years b) Every 3 years c) June 30, 2023	a) and b) County inspected all CAF(s) with horses onsite in August 2022 c) County began planning review in 2023 and will

Category	Implementation Task	Timeframe	Status
	c) Review of County Confined Animal Ordinance by June 30, 2023		complete update by Fall 2024
MRP	C.3 New Development and Redevelopment. The City and County will continue to comply with standard C.3 requirements as qualifying projects occur.	Ongoing	Ongoing
MRP	C.10 Trash Load Reduction. Required enhanced street sweeping and additional full trash capture device installation could provide some incidental removal of large solid pieces of dog waste that reach the side of the road.	Ongoing	Being Implemented Per February 2014 Long-Term Trash Plan
BMP Reporting	Review all measures and submit BMP Implementation Status Report	Annually	Annually with TMDL Monitoring Results each March 30
	Adjust BMPs based on results of Characterization Monitoring	Annually	Annually with TMDL Monitoring Results each March 30
Compliance Monitoring	Conduct routine monitoring at compliance stations (PPH #5, 7, 8, and 9 and Venice Beach for Enterococci). Monitoring conducted/coordinated weekly by County Environmental Health Services.	Ongoing	Ongoing, weekly, year-round sampling
Monitoring Reporting	Submit ongoing compliance results with annual BMP Implementation Status Report. Review monitoring results for compliance, trends, and source identification.	Annually	Annually with BMP Implementation Status Report each March 30
MRP Wasteload Allocation Assessment	If wasteload allocations are not achieved by the end of a permit term, submit a plan acceptable to the Executive Officer, which describes additional BMPs or increased levels of existing BMPs that will be implemented to prevent or reduce discharges of bacteria to storm drain systems and listed beaches to attain wasteload allocations. The plan shall include implementation methods, and implementation schedule, and proposed milestones.	Permit Term	Formal wasteload allocation attainment evaluation and submission of formal BMP plan 180 days prior to MRP expiration date. Informal assessments of wasteload allocation attainment and BMP effectiveness with each March 30 report.

Appendix A: Beach Signage to be placed at all beaches within PPH

WATER QUALITY WARNING SYSTEM

POTENTIAL HEALTH HAZARD

The bacteria levels at this beach are tested weekly. The following flags indicates the most recent test results, levels of bacteria & associated health risk:

Black Flag

Most recent water quality tests indicate swimming, wading, and contact with water and sand is not advised due to excessive bacteria.

Yellow Flag

Most recent water quality tests indicate Increased health risk for water contact. Bacteria levels are above the State Health Standards limit.

Blue Flag

Most recent water quality tests indicate low health risk for water contact. Bacteria levels are within State Health Standards limit.

For more information and weekly test results visit tiny url TBD

SAN MATEO RESOURCE CONSERVATION DISTRICT

Appendix B: Outreach to Boaters in PPH

Be a Water Hero: Help keep the Harbor clean!

Sewage

Dumping sewage in the Harbor isn't just gross, it's dangerous too. Bacteria and viruses in human waste can make people sick, and poop in the water can cause a slew of other problem too. Be a Water Hero and maintain your holding tanks and get them pumped out before it's too late.

Fun fact: Composting toilets may eliminate the need for holding tanks and make things easier to maintain.

Fats, Oils, and Grease

Fats, Oils, and Grease (FOG) can be a water quality nuisance when dumped in the Harbor. But did you know FOG can also gunk up the sewer system when your holding tank is pumped out?

Be a Water Hero and dispose of FOG in the trash rather than down the sink, toilet, or over the side of the boat.

Pet Waste

Just like human waste, pet waste can be a big problem for water quality and for human health. It's important to put pet waste in the trash.

Make your pet a Water Hero by putting their poop in the trash.

Litter

We're not the only ones living here. Help take care of all those critters who share this beautiful place. Be a Water Hero and keep litter out of the ocean.

Appendix C: Harbor District Pet Waste Informational Flyers


IF YOU THINK PICKING UP DOG POOP IS GROSS...
TRY SWIMMING IN IT!
Any of your pup's poop that isn't picked up has a good chance to end up in the ocean!
Pick up after your pet so that both dogs and owners can enjoy the beach.
SAN MATEO RESOURCE CONSERVATION DISTRICT
http://www.sanmateorcd.org
https://www.facebook.com/sanmateorcd
This outreach program is funded by San Mateo County


ATTENTION PET OWNERS
POOP POLLUTES.
Did you know?
Pet waste has been found to be a source of local water pollution.
Help keep creeks and beaches clean and safe by bagging and disposing of pet waste in trash receptacles.
TAKE THE SCOOP-THE-POOP PLEDGE
SAN MATEO RESOURCE CONSERVATION DISTRICT

Appendix D: Water Quality Monitoring Data

Pilar Point #5

Week For Geomean Calculation	Sample Date	Collection Time	Analyte	Unit	Result	Result Adjusted For Samples Below MDL	MDL	RL	Result Qual. Code	Six-Week GMs Included in Analysis (Previous 6 weeks)	Exceedance	Season
8/28/2023	8/28/2023	9:55:00	Enterococcus	MPN/100 mL	75	75	10	10	=		N/A	Dry
9/4/2023	9/5/2023	8:15:00	Enterococcus	MPN/100 mL	278	278	10	10	=		N/A	Dry
9/11/2023	9/11/2023	10:10:00	Enterococcus	MPN/100 mL	31	31	10	10	=		N/A	Dry
9/18/2023	9/18/2023	9:50:00	Enterococcus	MPN/100 mL	52	52	10	10	=		N/A	Dry
9/25/2023	9/25/2023	9:45:00	Enterococcus	MPN/100 mL	10	10	10	10	=		N/A	Dry
10/2/2023	10/2/2023	10:10:00	Enterococcus	MPN/100 mL	185	185	10	10	=	63	Yes	Dry
10/9/2023	10/10/2023	10:15:00	Enterococcus	MPN/100 mL	109	109	10	10	=	67	Yes	Dry
10/16/2023	10/16/2023	8:50:00	Enterococcus	MPN/100 mL	52	52	10	10	=	51	Yes	Wet
10/23/2023	10/23/2023	10:05:00	Enterococcus	MPN/100 mL	1,658	1,658	10	10	=	98	Yes	Wet
10/30/2023	10/30/2023	9:50:00	Enterococcus	MPN/100 mL	185	185	10	10	=	121	Yes	Wet
11/6/2023	11/6/2023	9:35:00	Enterococcus	MPN/100 mL	7,701	7,701	10	10	=	368	Yes	Wet
11/13/2023	11/13/2023	10:05:00	Enterococcus	MPN/100 mL	75	75	10	10	=	316	Yes	Wet
11/20/2023	11/20/2023	10:25:00	Enterococcus	MPN/100 mL	135	135	10	10	=	328	Yes	Wet
11/27/2023	11/27/2023	10:05:00	Enterococcus	MPN/100 mL	109	109	10	10	=	371	Yes	Wet
12/4/2023	12/4/2023	9:10:00	Enterococcus	MPN/100 mL	96	96	10	10	=	231	Yes	Wet
12/11/2023	12/11/2023	9:55:00	Enterococcus	MPN/100 mL	31	31	10	10	=	171	Yes	Wet
12/18/2023	12/18/2023	10:35:00	Enterococcus	MPN/100 mL	583	583	10	10	=	111	Yes	Wet
12/25/2023											N/A	
1/1/2024	1/2/2024	10:50:00	Enterococcus	MPN/100 mL	31	31	10	10	=	90	Yes	Wet
1/8/2024	1/8/2024	7:35:00	Enterococcus	MPN/100 mL	131	131	10	10	=	93	Yes	Wet
1/15/2024	1/16/2024	9:50:00	Enterococcus	MPN/100 mL	397	397	10	10	=	124	Yes	Wet
1/22/2024	1/22/2024	9:35:00	Enterococcus	MPN/100 mL	2,014	2,014	10	10	=	285	Yes	Wet
1/29/2024	1/29/2024	9:50:00	Enterococcus	MPN/100 mL	10	10	10	10	=	127	Yes	Wet
2/5/2024	2/5/2024	9:50:00	Enterococcus	MPN/100 mL	279	279	10	10	=	144	Yes	Wet
2/12/2024	2/12/2024	10:30:00	Enterococcus	MPN/100 mL	10	5	10	10	<	107	Yes	Wet
2/19/2024	2/20/2024	10:15:00	Enterococcus	MPN/100 mL	85	85	10	10	=	99	Yes	Wet
2/26/2024	2/26/2024	9:10:00	Enterococcus	MPN/100 mL	10	10	10	10	=	54	Yes	Wet
3/4/2024	3/4/2024	9:25:00	Enterococcus	MPN/100 mL	122	122	10	10	=	34	Yes	Wet
3/11/2024	3/11/2024	10:10:00	Enterococcus	MPN/100 mL	10	10	10	10	=	34	Yes	Wet
3/18/2024	3/18/2024	10:00:00	Enterococcus	MPN/100 mL	20	20	10	10	=	22	No	Wet
3/25/2024	3/25/2024	9:35:00	Enterococcus	MPN/100 mL	107	107	10	10	=	36	Yes	Wet
4/1/2024	4/1/2024	9:35:00	Enterococcus	MPN/100 mL	10	10	10	10	=	25	No	Wet
4/8/2024	4/8/2024	9:35:00	Enterococcus	MPN/100 mL	30	30	10	10	=	30	Yes	Wet
4/15/2024	4/15/2024	11:15:00	Enterococcus	MPN/100 mL	218	218	10	10	=	33	Yes	Wet

Week For Geomean Calculation	Sample Date	Collection Time	Analyte	Unit	Result	Result Adjusted For Samples Below MDL	MDL	RL	Result Qual. Code	Six-Week GMs Included in Analysis (Previous 6 weeks)	Exceedance	Season
4/22/2024	4/22/2024	9:35:00	Enterococcus	MPN/100 mL	10	5	10	10	<	30	No	Wet
4/29/2024	4/29/2024	9:30:00	Enterococcus	MPN/100 mL	20	20	10	10	=	30	No	Wet
5/6/2024	5/6/2024	10:10:00	Enterococcus	MPN/100 mL	97	97	10	10	=	29	No	Wet
5/13/2024	5/13/2024	9:05:00	Enterococcus	MPN/100 mL	63	63	10	10	=	40	Yes	Wet
5/20/2024	5/20/2024	9:55:00	Enterococcus	MPN/100 mL	10	10	10	10	=	33	Yes	Wet
5/27/2024											N/A	
6/3/2024	6/3/2024	10:15:00	Enterococcus	MPN/100 mL	327	327	10	10	=	53	Yes	Dry
6/10/2024	6/10/2024	9:55:00	Enterococcus	MPN/100 mL	10	5	10	10	<	40	Yes	Dry
6/17/2024	6/17/2024	7:15:00	Enterococcus	MPN/100 mL	52	52	10	10	=	35	Yes	Dry
6/24/2024	6/24/2024	10:20:00	Enterococcus	MPN/100 mL	52	52	10	10	=	34	Yes	Dry
7/1/2024	7/1/2024	10:20:00	Enterococcus	MPN/100 mL	10	5	10	10	<	29	No	Dry
7/8/2024	7/8/2024	10:20:00	Enterococcus	MPN/100 mL	10	10	10	10	=	25	No	Dry
7/15/2024	7/15/2024	10:23:00	Enterococcus	MPN/100 mL	216	216	10	10	=	23	No	Dry
7/22/2024	7/22/2024	9:55:00	Enterococcus	MPN/100 mL	98	98	10	10	=	38	Yes	Dry
7/29/2024	7/29/2024	9:15:00	Enterococcus	MPN/100 mL	20	20	10	10	=	32	Yes	Dry
8/5/2024	8/5/2024	10:00:00	Enterococcus	MPN/100 mL	63	63	10	10	=	33	Yes	Dry
8/12/2024	8/12/2024	10:05:00	Enterococcus	MPN/100 mL	52	52	10	10	=	49	Yes	Dry
8/19/2024	8/19/2024	8:55:00	Enterococcus	MPN/100 mL	86	86	10	10	=	70	Yes	Dry
8/26/2024	8/26/2024	10:55:00	Enterococcus	MPN/100 mL	10	10	10	10	=	42	Yes	Dry
9/2/2024	9/3/2024	10:50:00	Enterococcus	MPN/100 mL	41	41	10	10	=	36	Yes	Dry
9/9/2024	9/9/2024	10:50:00	Enterococcus	MPN/100 mL	10	5	10	10	<	29	No	Dry
9/16/2024	9/16/2024	10:25:00	Enterococcus	MPN/100 mL	96	96	10	10	=	31	Yes	Dry
9/23/2024	9/23/2024	11:05:00	Enterococcus	MPN/100 mL	41	41	10	10	=	30	No	Dry
9/30/2024	9/30/2024	9:35:00	Enterococcus	MPN/100 mL	10	5	10	10	<	19	No	Dry

Pilar Point #7

Week For Geomean Calculation	Sample Date	Collection Time	Analyte	Unit	Result	Result Adjusted For Samples Below MDL	MDL	RL	ResultQualCode	Six-Week GMs Included in Analysis (Previous 6 weeks)	Exceedance	Season
8/28/2023	8/28/2023	9:45:00	Enterococcus	MPN/100 mL	84	84	10	10	=		N/A	Dry
9/4/2023	9/5/2023	8:05:00	Enterococcus	MPN/100 mL	158	158	10	10	=		N/A	Dry
9/11/2023	9/11/2023	10:00:00	Enterococcus	MPN/100 mL	10	5	10	10	<		N/A	Dry
9/18/2023	9/18/2023	9:45:00	Enterococcus	MPN/100 mL	132	132	10	10	=		N/A	Dry
9/25/2023	9/25/2023	9:40:00	Enterococcus	MPN/100 mL	10	10	10	10	=		N/A	Dry

Week For Geomean Calculation	Sample Date	Collection Time	Analyte	Unit	Result	Result Adjusted For Samples Below MDL	MDL	RL	ResultQualCode	Six-Week GMs Included in Analysis (Previous 6 weeks)	Exceedance	Season
10/2/2023	10/2/2023	10:05:00	Enterococcus	MPN/100 mL	148	148	10	10	=	48	Yes	Dry
10/9/2023	10/10/2023	10:10:00	Enterococcus	MPN/100 mL	594	594	10	10	=	67	Yes	Dry
10/16/2023	10/16/2023	8:40:00	Enterococcus	MPN/100 mL	10	5	10	10	<	38	Yes	Wet
10/23/2023	10/23/2023	10:00:00	Enterococcus	MPN/100 mL	20	20	10	10	=	48	Yes	Wet
10/30/2023	10/30/2023	9:45:00	Enterococcus	MPN/100 mL	10	5	10	10	<	28	No	Wet
11/6/2023	11/6/2023	9:25:00	Enterococcus	MPN/100 mL	441	441	10	10	=	52	Yes	Wet
11/13/2023	11/13/2023	9:55:00	Enterococcus	MPN/100 mL	487	487	10	10	=	63	Yes	Wet
11/20/2023	11/20/2023	10:15:00	Enterococcus	MPN/100 mL	959	959	10	10	=	68	Yes	Wet
11/27/2023	11/27/2023	9:55:00	Enterococcus	MPN/100 mL	108	108	10	10	=	114	Yes	Wet
12/4/2023	12/4/2023	8:55:00	Enterococcus	MPN/100 mL	52	52	10	10	=	134	Yes	Wet
12/11/2023	12/11/2023	9:45:00	Enterococcus	MPN/100 mL	20	20	10	10	=	169	Yes	Wet
12/18/2023	12/18/2023	10:25:00	Enterococcus	MPN/100 mL	2,613	2,613	10	10	=	227	Yes	Wet
12/25/2023											No	
1/1/2024	1/2/2024	10:35:00	Enterococcus	MPN/100 mL	63	63	10	10	=	113	Yes	Wet
1/8/2024	1/8/2024	7:40:00	Enterococcus	MPN/100 mL	20	20	10	10	=	81	Yes	Wet
1/15/2024	1/16/2024	9:40:00	Enterococcus	MPN/100 mL	63	63	10	10	=	84	Yes	Wet
1/22/2024	1/22/2024	9:25:00	Enterococcus	MPN/100 mL	1,401	1,401	10	10	=	196	Yes	Wet
1/29/2024	1/29/2024	9:40:00	Enterococcus	MPN/100 mL	10	5	10	10	<	56	Yes	Wet
2/5/2024											No	
2/12/2024	2/12/2024	10:20:00	Enterococcus	MPN/100 mL	10	10	10	10	=	39	Yes	Wet
2/19/2024	2/20/2024	10:10:00	Enterococcus	MPN/100 mL	594	594	10	10	=	77	Yes	Wet
2/26/2024	2/26/2024	9:00:00	Enterococcus	MPN/100 mL	10	5	10	10	<	46	Yes	Wet
3/4/2024	3/4/2024	9:15:00	Enterococcus	MPN/100 mL	41	41	10	10	=	23	No	Wet
3/11/2024	3/11/2024	10:00:00	Enterococcus	MPN/100 mL	882	882	10	10	=	64	Yes	Wet
3/18/2024	3/18/2024	9:50:00	Enterococcus	MPN/100 mL	10	5	10	10	<	42	Yes	Wet
3/25/2024	3/25/2024	9:25:00	Enterococcus	MPN/100 mL	20	20	10	10	=	47	Yes	Wet
4/1/2024	4/1/2024	9:25:00	Enterococcus	MPN/100 mL	41	41	10	10	=	30	Yes	Wet
4/8/2024	4/8/2024	9:25:00	Enterococcus	MPN/100 mL	10	10	10	10	=	34	Yes	Wet
4/15/2024	4/15/2024	11:05:00	Enterococcus	MPN/100 mL	41	41	10	10	=	34	Yes	Wet
4/22/2024	4/22/2024	9:25:00	Enterococcus	MPN/100 mL	20	20	10	10	=	18	No	Wet
4/29/2024	4/29/2024	9:20:00	Enterococcus	MPN/100 mL	10	5	10	10	<	18	No	Wet
5/6/2024	5/6/2024	10:00:00	Enterococcus	MPN/100 mL	10	10	10	10	=	16	No	Wet
5/13/2024	5/13/2024	8:55:00	Enterococcus	MPN/100 mL	63	63	10	10	=	17	No	Wet
5/20/2024	5/20/2024	9:45:00	Enterococcus	MPN/100 mL	30	30	10	10	=	21	No	Wet
5/27/2024											No	
6/3/2024	6/3/2024	10:05:00	Enterococcus	MPN/100 mL	41	41	10	10	=	21	No	Dry
6/10/2024	6/10/2024	9:40:00	Enterococcus	MPN/100 mL	10	5	10	10	<	21	No	Dry
6/17/2024	6/17/2024	7:05:00	Enterococcus	MPN/100 mL	52	52	10	10	=	29	No	Dry

Week For Geomean Calculation	Sample Date	Collection Time	Analyte	Unit	Result	Result Adjusted For Samples Below MDL	MDL	RL	ResultQualCode	Six-Week GMs Included in Analysis (Previous 6 weeks)	Exceedance	Season
6/24/2024	6/24/2024	10:15:00	Enterococcus	MPN/100 mL	31	31	10	10	=	25	No	Dry
7/1/2024	7/1/2024	9:55:00	Enterococcus	MPN/100 mL	20	20	10	10	=	23	No	Dry
7/8/2024	7/8/2024	10:15:00	Enterococcus	MPN/100 mL	10	10	10	10	=	20	No	Dry
7/15/2024	7/15/2024	10:15:00	Enterococcus	MPN/100 mL	83	83	10	10	=	23	No	Dry
7/22/2024	7/22/2024	9:45:00	Enterococcus	MPN/100 mL	41	41	10	10	=	32	Yes	Dry
7/29/2024	7/29/2024	9:05:00	Enterococcus	MPN/100 mL	20	20	10	10	=	27	No	Dry
8/5/2024	8/5/2024	9:55:00	Enterococcus	MPN/100 mL	10	5	10	10	<	20	No	Dry
8/12/2024	8/12/2024	9:55:00	Enterococcus	MPN/100 mL	10	5	10	10	<	16	No	Dry
8/19/2024	8/19/2024	8:50:00	Enterococcus	MPN/100 mL	10	10	10	10	=	16	No	Dry
8/26/2024	8/26/2024	10:45:00	Enterococcus	MPN/100 mL	81	81	10	10	=	16	No	Dry
9/2/2024	9/3/2024	9:45:00	Enterococcus	MPN/100 mL	10	5	10	10	<	11	No	Dry
9/9/2024	9/9/2024	10:40:00	Enterococcus	MPN/100 mL	10	10	10	10	=	10	No	Dry
9/16/2024	9/16/2024	10:20:00	Enterococcus	MPN/100 mL	110	110	10	10	=	17	No	Dry
9/23/2024	9/23/2024	10:55:00	Enterococcus	MPN/100 mL	52	52	10	10	=	25	No	Dry
9/30/2024	9/30/2024	9:30:00	Enterococcus	MPN/100 mL	10	5	10	10	<	22	No	Dry

Pilar Point #8

Week For Geomean Calculation	Sample Date	Collection Time	Analyte	Unit	Result	Result Adjusted For Samples Below MDL	MDL	RL	Result Qual Code	Six-Week GMs Included in Analysis (Previous 6 weeks)	Exceedance	Season
8/28/2023	8/28/2023	9:30:00	Enterococcus	MPN/100 mL	10	5	10	10	<		N/A	Dry
9/4/2023	9/5/2023	8:55:00	Enterococcus	MPN/100 mL	10	5	10	10	<		N/A	Dry
9/11/2023	9/11/2023	9:45:00	Enterococcus	MPN/100 mL	10	5	10	10	<		N/A	Dry
9/18/2023	9/18/2023	9:30:00	Enterococcus	MPN/100 mL	10	5	10	10	<		N/A	Dry
9/25/2023	9/25/2023	9:30:00	Enterococcus	MPN/100 mL	10	10	10	10	=		N/A	Dry
10/2/2023	10/2/2023	9:55:00	Enterococcus	MPN/100 mL	10	5	10	10	<	6	No	Dry
10/9/2023	10/10/2023	10:00:00	Enterococcus	MPN/100 mL	10	5	10	10	<	6	No	Dry
10/16/2023	10/16/2023	8:30:00	Enterococcus	MPN/100 mL	10	5	10	10	<	6	No	Wet
10/23/2023	10/23/2023	9:45:00	Enterococcus	MPN/100 mL	10	5	10	10	<	6	No	Wet
10/30/2023	10/30/2023	9:30:00	Enterococcus	MPN/100 mL	10	10	10	10	=	6	No	Wet
11/6/2023	11/6/2023	9:10:00	Enterococcus	MPN/100 mL	10	5	10	10	<	6	No	Wet
11/13/2023	11/13/2023	9:45:00	Enterococcus	MPN/100 mL	10	5	10	10	<	6	No	Wet
11/20/2023	11/20/2023	10:05:00	Enterococcus	MPN/100 mL	10	10	10	10	=	6	No	Wet
11/27/2023	11/27/2023	9:30:00	Enterococcus	MPN/100 mL	20	20	10	10	=	8	No	Wet
12/4/2023	12/4/2023	8:45:00	Enterococcus	MPN/100 mL	10	10	10	10	=	9	No	Wet
12/11/2023	12/11/2023	9:35:00	Enterococcus	MPN/100 mL	10	5	10	10	<	8	No	Wet

Week For Geomean Calculation	Sample Date	Collection Time	Analyte	Unit	Result	Result Adjusted For Samples Below MDL	MDL	RL	Result Qual Code	Six-Week GMs Included in Analysis (Previous 6 weeks)	Exceedance	Season
12/18/2023	12/18/2023	10:10:00	Enterococcus	MPN/100 mL	110	110	10	10	=	13	No	Wet
12/25/2023											No	
1/1/2024	1/2/2024	10:20:00	Enterococcus	MPN/100 mL	63	63	10	10	=	23	No	Wet
1/8/2024	1/8/2024	7:50:00	Enterococcus	MPN/100 mL	20	20	10	10	=	23	No	Wet
1/15/2024	1/16/2024	9:30:00	Enterococcus	MPN/100 mL	10	10	10	10	=	23	No	Wet
1/22/2024	1/22/2024	9:10:00	Enterococcus	MPN/100 mL	1,046	1,046	10	10	=	68	Yes	Wet
1/29/2024	1/29/2024	9:20:00	Enterococcus	MPN/100 mL	10	10	10	10	=	42	Yes	Wet
2/5/2024	2/5/2024	9:35:00	Enterococcus	MPN/100 mL	2,481	2,481	10	10	=	83	Yes	Wet
2/12/2024	2/12/2024	10:10:00	Enterococcus	MPN/100 mL	10	5	10	10	<	54	Yes	Wet
2/19/2024	2/20/2024	9:55:00	Enterococcus	MPN/100 mL	259	259	10	10	=	83	Yes	Wet
2/26/2024	2/26/2024	8:45:00	Enterococcus	MPN/100 mL	20	20	10	10	=	94	Yes	Wet
3/4/2024	3/4/2024	9:00:00	Enterococcus	MPN/100 mL	20	20	10	10	=	48	Yes	Wet
3/11/2024	3/11/2024	9:50:00	Enterococcus	MPN/100 mL	10	10	10	10	=	48	Yes	Wet
3/18/2024	3/18/2024	9:35:00	Enterococcus	MPN/100 mL	31	31	10	10	=	23	No	Wet
3/25/2024	3/25/2024	9:15:00	Enterococcus	MPN/100 mL	10	5	10	10	<	23	No	Wet
4/1/2024	4/1/2024	9:10:00	Enterococcus	MPN/100 mL	20	20	10	10	=	15	No	Wet
4/8/2024	4/8/2024	9:10:00	Enterococcus	MPN/100 mL	10	10	10	10	=	14	No	Wet
4/15/2024											No	
4/22/2024	4/22/2024	9:00:00	Enterococcus	MPN/100 mL	10	5	10	10	<	11	No	Wet
4/29/2024	4/29/2024	9:05:00	Enterococcus	MPN/100 mL	10	5	10	10	<	8	No	Wet
5/6/2024	5/6/2024	9:50:00	Enterococcus	MPN/100 mL	10	5	10	10	<	8	No	Wet
5/13/2024	5/13/2024	8:45:00	Enterococcus	MPN/100 mL	20	20	10	10	=	8	No	Wet
5/20/2024	5/20/2024	9:30:00	Enterococcus	MPN/100 mL	30	30	10	10	=	9	No	Wet
5/27/2024	5/28/2024	8:05:00	Enterococcus	MPN/100 mL	10	5	10	10	<	8	No	Dry
6/3/2024	6/3/2024	9:55:00	Enterococcus	MPN/100 mL	10	5	10	10	<	8	No	Dry
6/10/2024	6/10/2024	9:15:00	Enterococcus	MPN/100 mL	10	5	10	10	<	8	No	Dry
6/17/2024	6/17/2024	6:55:00	Enterococcus	MPN/100 mL	10	5	10	10	<	8	No	Dry
6/24/2024	6/24/2024	10:00:00	Enterococcus	MPN/100 mL	10	5	10	10	<	7	No	Dry
7/1/2024	7/1/2024	9:40:00	Enterococcus	MPN/100 mL	10	5	10	10	<	5	No	Dry
7/8/2024	7/8/2024	10:00:00	Enterococcus	MPN/100 mL	10	5	10	10	<	5	No	Dry
7/15/2024	7/15/2024	10:05:00	Enterococcus	MPN/100 mL	20	20	10	10	=	6	No	Dry
7/22/2024	7/22/2024	9:35:00	Enterococcus	MPN/100 mL	10	5	10	10	<	6	No	Dry
7/29/2024	7/29/2024	8:50:00	Enterococcus	MPN/100 mL	121	121	10	10	=	11	No	Dry
8/5/2024	8/5/2024	9:40:00	Enterococcus	MPN/100 mL	10	5	10	10	<	11	No	Dry
8/12/2024	8/12/2024	9:45:00	Enterococcus	MPN/100 mL	10	5	10	10	<	11	No	Dry
8/19/2024	8/19/2024	8:35:00	Enterococcus	MPN/100 mL	10	10	10	10	=	12	No	Dry
8/26/2024	8/26/2024	10:35:00	Enterococcus	MPN/100 mL	10	5	10	10	<	10	No	Dry

Week For Geomean Calculation	Sample Date	Collection Time	Analyte	Unit	Result	Result Adjusted For Samples Below MDL	MDL	RL	Result Qual Code	Six-Week GMs Included in Analysis (Previous 6 weeks)	Exceedance	Season
9/2/2024	9/3/2024	10:35:00	Enterococcus	MPN/100 mL	10	5	10	10	<	10	No	Dry
9/9/2024	9/9/2024	10:30:00	Enterococcus	MPN/100 mL	20	20	10	10	=	7	No	Dry
9/16/2024	9/16/2024	10:05:00	Enterococcus	MPN/100 mL	10	5	10	10	<	7	No	Dry
9/23/2024	9/23/2024	10:45:00	Enterococcus	MPN/100 mL	10	10	10	10	=	8	No	Dry
9/30/2024	9/30/2024	9:20:00	Enterococcus	MPN/100 mL	10	5	10	10	<	7	No	Dry

Pilar Point #9

Week For Geomean Calculation	Sample Date	Collection Time	Analyte	Unit	Result	Result Adjusted For Samples Below MDL	MDL	RL	Result Qual Code	Six-Week GMs Included in Analysis (Previous 6 weeks)	Exceedance	Season
8/28/2023	8/28/2023	10:00:00	Enterococcus	MPN/100 mL	74	74	10	10	=		N/A	Dry
9/4/2023	9/5/2023	8:20:00	Enterococcus	MPN/100 mL	31	31	10	10	=		N/A	Dry
9/11/2023	9/11/2023	10:20:00	Enterococcus	MPN/100 mL	98	98	10	10	=		N/A	Dry
9/18/2023	9/18/2023	10:00:00	Enterococcus	MPN/100 mL	110	110	10	10	=		N/A	Dry
9/25/2023	9/25/2023	9:55:00	Enterococcus	MPN/100 mL	235	235	10	10	=		N/A	Dry
10/2/2023	10/2/2023	10:20:00	Enterococcus	MPN/100 mL	122	122	10	10	=	94	Yes	Dry
10/9/2023	10/10/2023	10:20:00	Enterococcus	MPN/100 mL	355	355	10	10	=	123	Yes	Dry
10/16/2023	10/16/2023	9:00:00	Enterococcus	MPN/100 mL	886	886	10	10	=	214	Yes	Wet
10/23/2023	10/23/2023	10:15:00	Enterococcus	MPN/100 mL	1515	1,515	10	10	=	338	Yes	Wet
10/30/2023	10/30/2023	10:00:00	Enterococcus	MPN/100 mL	10	10	10	10	=	227	Yes	Wet
11/6/2023	11/6/2023	9:40:00	Enterococcus	MPN/100 mL	1246	1,246	10	10	=	300	Yes	Wet
11/13/2023	11/13/2023	10:15:00	Enterococcus	MPN/100 mL	106	106	10	10	=	293	Yes	Wet
11/20/2023	11/20/2023	10:35:00	Enterococcus	MPN/100 mL	359	359	10	10	=	293	Yes	Wet
11/27/2023	11/27/2023	10:10:00	Enterococcus	MPN/100 mL	228	228	10	10	=	234	Yes	Wet
12/4/2023	12/4/2023	9:20:00	Enterococcus	MPN/100 mL	146	146	10	10	=	158	Yes	Wet
12/11/2023	12/11/2023	10:00:00	Enterococcus	MPN/100 mL	677	677	10	10	=	320	Yes	Wet
12/18/2023	12/18/2023	10:45:00	Enterococcus	MPN/100 mL	256	256	10	10	=	246	Yes	Wet
12/25/2023											No	
1/1/2024	1/2/2024	10:55:00	Enterococcus	MPN/100 mL	181	181	10	10	=	253	Yes	Wet
1/8/2024	1/8/2024	7:25:00	Enterococcus	MPN/100 mL	20	20	10	10	=	156	Yes	Wet
1/15/2024	1/16/2024	10:00:00	Enterococcus	MPN/100 mL	144	144	10	10	=	155	Yes	Wet
1/22/2024	1/22/2024	9:40:00	Enterococcus	MPN/100 mL	1267	1,267	10	10	=	176	Yes	Wet
1/29/2024	1/29/2024	9:55:00	Enterococcus	MPN/100 mL	168	168	10	10	=	162	Yes	Wet
2/5/2024	2/5/2024	10:00:00	Enterococcus	MPN/100 mL	332	332	10	10	=	182	Yes	Wet

2/12/2024	2/12/2024	10:35:00	Enterococcus	MPN/100 mL	10	10	10	10	=	113	Yes	Wet
2/19/2024	2/20/2024	10:25:00	Enterococcus	MPN/100 mL	187	187	10	10	=	163	Yes	Wet
2/26/2024	2/26/2024	9:15:00	Enterococcus	MPN/100 mL	83	83	10	10	=	149	Yes	Wet
3/4/2024	3/4/2024	9:35:00	Enterococcus	MPN/100 mL	20	20	10	10	=	75	Yes	Wet
3/11/2024	3/11/2024	10:20:00	Enterococcus	MPN/100 mL	201	201	10	10	=	77	Yes	Wet
3/18/2024	3/18/2024	10:10:00	Enterococcus	MPN/100 mL	114	114	10	10	=	64	Yes	Wet
3/25/2024	3/25/2024	9:45:00	Enterococcus	MPN/100 mL	74	74	10	10	=	90	Yes	Wet
4/1/2024	4/1/2024	9:40:00	Enterococcus	MPN/100 mL	388	388	10	10	=	101	Yes	Wet
4/8/2024	4/8/2024	9:40:00	Enterococcus	MPN/100 mL	52	52	10	10	=	94	Yes	Wet
4/15/2024	4/15/2024	11:25:00	Enterococcus	MPN/100 mL	63	63	10	10	=	114	Yes	Wet
4/22/2024	4/22/2024	9:45:00	Enterococcus	MPN/100 mL	41	41	10	10	=	87	Yes	Wet
4/29/2024	4/29/2024	9:40:00	Enterococcus	MPN/100 mL	10	10	10	10	=	58	Yes	Wet
5/6/2024	5/6/2024	10:15:00	Enterococcus	MPN/100 mL	20	20	10	10	=	47	Yes	Wet
5/13/2024	5/13/2024	9:15:00	Enterococcus	MPN/100 mL	10	10	10	10	=	25	No	Wet
5/20/2024	5/20/2024	10:00:00	Enterococcus	MPN/100 mL	31	31	10	10	=	23	No	Wet
5/27/2024	5/28/2024	7:45:00	Enterococcus	MPN/100 mL	20	20	10	10	=	19	No	Dry
6/3/2024	6/3/2024	10:25:00	Enterococcus	MPN/100 mL	109	109	10	10	=	23	No	Dry
6/10/2024	6/10/2024	10:05:00	Enterococcus	MPN/100 mL	52	52	10	10	=	30	No	Dry
6/17/2024	6/17/2024	7:25:00	Enterococcus	MPN/100 mL	75	75	10	10	=	37	Yes	Dry
6/24/2024	6/24/2024	10:30:00	Enterococcus	MPN/100 mL	108	108	10	10	=	55	Yes	Dry
7/1/2024	7/1/2024	10:30:00	Enterococcus	MPN/100 mL	63	63	10	10	=	62	Yes	Dry
7/8/2024	7/8/2024	10:35:00	Enterococcus	MPN/100 mL	185	185	10	10	=	90	Yes	Dry
7/15/2024	7/15/2024	10:30:00	Enterococcus	MPN/100 mL	327	327	10	10	=	108	Yes	Dry
7/22/2024	7/22/2024	10:05:00	Enterococcus	MPN/100 mL	256	256	10	10	=	141	Yes	Dry
7/29/2024	7/29/2024	9:20:00	Enterococcus	MPN/100 mL	262	262	10	10	=	174	Yes	Dry
8/5/2024	8/5/2024	10:10:00	Enterococcus	MPN/100 mL	504	504	10	10	=	225	Yes	Dry
8/12/2024	8/12/2024	10:15:00	Enterococcus	MPN/100 mL	1553	1,553	10	10	=	383	Yes	Dry
8/19/2024	8/19/2024	9:05:00	Enterococcus	MPN/100 mL	197	197	10	10	=	387	Yes	Dry
8/26/2024	8/26/2024	11:05:00	Enterococcus	MPN/100 mL	75	75	10	10	=	303	Yes	Dry
9/2/2024	9/3/2024	10:55:00	Enterococcus	MPN/100 mL	181	181	10	10	=	286	Yes	Dry
9/9/2024	9/9/2024	10:50:00	Enterococcus	MPN/100 mL	10	10	10	10	=	166	Yes	Dry
9/16/2024	9/16/2024	10:30:00	Enterococcus	MPN/100 mL	408	408	10	10	=	160	Yes	Dry
9/23/2024	9/23/2024	11:10:00	Enterococcus	MPN/100 mL	216	216	10	10	=	115	Yes	Dry
9/30/2024	9/30/2024	9:45:00	Enterococcus	MPN/100 mL	281	281	10	10	=	122	Yes	Dry

Venice Beach

Week For Geomean Calculation	Sample Date	Collection Time	Analyte	Unit	Result	Result Adjusted For Samples Below MDL	MDL	RL	Result Qual Code	Six-Week GMs Included in Analysis (Previous 6 weeks)	Exceedance	Season
8/28/2023											N/A	
9/4/2023											N/A	
9/11/2023											N/A	
9/18/2023											N/A	
9/25/2023											N/A	
10/2/2023											N/A	
10/9/2023											N/A	
10/16/2023											N/A	
10/23/2023	10/23/2023	9:30:00	Enterococcus	MPN/100 mL	10	5	10	10	<		No	Wet
10/30/2023	10/30/2023	9:50:00	Enterococcus	MPN/100 mL	10	5	10	10	<		No	Wet
11/6/2023	11/6/2023	9:37:00	Enterococcus	MPN/100 mL	10	5	10	10	<		No	Wet
11/13/2023	11/13/2023	10:10:00	Enterococcus	MPN/100 mL	10	5	10	10	<		No	Wet
11/20/2023	11/20/2023	9:30:00	Enterococcus	MPN/100 mL	10	5	10	10	<	5	No	Wet
11/27/2023	11/27/2023	11:00:00	Enterococcus	MPN/100 mL	20	20	10	10	=	6	No	Wet
12/4/2023	12/4/2023	9:30:00	Enterococcus	MPN/100 mL	10	5	10	10	<	6	No	Wet
12/11/2023	12/11/2023	10:05:00	Enterococcus	MPN/100 mL	10	5	10	10	<	6	No	Wet
12/18/2023	12/18/2023	9:44:00	Enterococcus	MPN/100 mL	20	20	10	10	=	8	No	Wet
12/25/2023	12/26/2023	11:15:00	Enterococcus	MPN/100 mL	10	10	10	10	=	9	No	Wet
1/1/2024	1/2/2024	9:38:00	Enterococcus	MPN/100 mL	10	5	10	10	<	9	No	Wet
1/8/2024	1/8/2024	9:57:00	Enterococcus	MPN/100 mL	75	75	10	10	=	11	No	Wet
1/15/2024	1/16/2024	10:20:00	Enterococcus	MPN/100 mL	10	5	10	10	<	11	No	Wet
1/22/2024											No	
1/29/2024	1/29/2024	10:50:00	Enterococcus	MPN/100 mL	31	31	10	10	=	14	No	Wet
2/5/2024	2/5/2024	11:45:00	Enterococcus	MPN/100 mL	295	295	10	10	=	28	No	Wet
2/12/2024	2/12/2024	10:36:00	Enterococcus	MPN/100 mL	20	20	10	10	=	37	Yes	Wet
2/19/2024	2/20/2024	9:05:00	Enterococcus	MPN/100 mL	622	622	10	10	=	56	Yes	Wet
2/26/2024	2/26/2024	9:56:00	Enterococcus	MPN/100 mL	52	52	10	10	=	90	Yes	Wet
3/4/2024	3/4/2024	8:30:00	Enterococcus	MPN/100 mL	243	243	10	10	=	106	Yes	Wet
3/11/2024	3/11/2024	9:55:00	Enterococcus	MPN/100 mL	41	41	10	10	=	111	Yes	Wet
3/18/2024											No	
3/25/2024	3/25/2024	9:49:00	Enterococcus	MPN/100 mL	10	10	10	10	=	80	Yes	Wet
4/1/2024	4/1/2024	11:10:00	Enterococcus	MPN/100 mL	63	63	10	10	=	50	Yes	Wet
4/8/2024	4/8/2024	11:15:00	Enterococcus	MPN/100 mL	10	5	10	10	<	32	Yes	Wet
4/15/2024	4/15/2024	9:00:00	Enterococcus	MPN/100 mL	10	5	10	10	<	15	No	Wet
4/22/2024	4/23/2024	10:26:00	Enterococcus	MPN/100 mL	10	5	10	10	<	10	No	Wet
4/29/2024	4/29/2024	9:50:00	Enterococcus	MPN/100 mL	10	5	10	10	<	9	No	Wet
5/6/2024	5/6/2024	8:15:00	Enterococcus	MPN/100 mL	10	5	10	10	<	8	No	Wet
5/13/2024	5/13/2024	9:37:00	Enterococcus	MPN/100 mL	10	5	10	10	<	5	No	Wet

Week For Geomean Calculation	Sample Date	Collection Time	Analyte	Unit	Result	Result Adjusted For Samples Below MDL	MDL	RL	Result Qual Code	Six-Week GMs Included in Analysis (Previous 6 weeks)	Exceedance	Season
5/20/2024	5/20/2024	11:05:00	Enterococcus	MPN/100 mL	689	689	10	10	=	11	No	Wet
5/27/2024	5/28/2024	9:10:00	Enterococcus	MPN/100 mL	10	5	10	10	<	11	No	Dry
6/3/2024	6/3/2024	9:58:00	Enterococcus	MPN/100 mL	30	30	10	10	=	15	No	Dry
6/10/2024	6/10/2024	9:10:00	Enterococcus	MPN/100 mL	10	5	10	10	<	15	No	Dry
6/17/2024	6/17/2024	11:30:00	Enterococcus	MPN/100 mL	10	5	10	10	<	15	No	Dry
6/24/2024	6/24/2024	8:50:00	Enterococcus	MPN/100 mL	10	5	10	10	<	15	No	Dry
7/1/2024	7/1/2024	9:15:00	Enterococcus	MPN/100 mL	10	5	10	10	<	7	No	Dry
7/8/2024	7/8/2024	11:15:00	Enterococcus	MPN/100 mL	10	5	10	10	<	7	No	Dry
7/15/2024	7/15/2024	8:25:00	Enterococcus	MPN/100 mL	10	5	10	10	<	5	No	Dry
7/22/2024	7/22/2024	9:40:00	Enterococcus	MPN/100 mL	10	5	10	10	<	5	No	Dry
7/29/2024	7/29/2024	9:30:00	Enterococcus	MPN/100 mL	10	5	10	10	<	5	No	Dry
8/5/2024	8/5/2024	9:55:00	Enterococcus	MPN/100 mL	10	5	10	10	<	5	No	Dry
8/12/2024	8/12/2024	10:15:00	Enterococcus	MPN/100 mL	10	10	10	10	=	6	No	Dry
8/19/2024	8/19/2024	9:55:00	Enterococcus	MPN/100 mL	10	5	10	10	<	6	No	Dry
8/26/2024	8/26/2024	7:45:00	Enterococcus	MPN/100 mL	10	5	10	10	<	6	No	Dry
9/2/2024	9/3/2024	8:25:00	Enterococcus	MPN/100 mL	10	5	10	10	<	6	No	Dry
9/9/2024	9/9/2024	9:50:00	Enterococcus	MPN/100 mL	10	10	10	10	=	6	No	Dry
9/16/2024	9/16/2024	10:25:00	Enterococcus	MPN/100 mL	10	5	10	10	<	6	No	Dry
9/23/2024	9/23/2024	9:05:00	Enterococcus	MPN/100 mL	10	5	10	10	<	6	No	Dry
9/30/2024	9/30/2024	10:20:00	Enterococcus	MPN/100 mL	10	5	10	10	<	6	No	Dry

Appendix E: Homeless Service Provider Data

WeHOPE Coast House

Client services data 07/01/24 to 9/30/24

Unique clients served (all clients served during the time period):	74
Total clients served in interim supportive housing	74
Total clients served through Outreach (all Coastal areas)	N/A

Client living situation at project entry (interim supportive housing):

Place not meant for habitation (unsheltered, tent, vehicle, etc.)	91%
Emergency shelter 8% Institutional situations (foster care, jail/prison, etc.)	5%
Temporary situations (transitional housing, 'couch surfing', etc.)	3%
Permanent situations (client-owned property, rental unit, etc.)	1%

Demographics (interim supportive housing):

Veterans	2%
Chronically homeless	50%
Children (0-18)	11%
Male	70%
Female	28%
Transgender	2%
Age 55+	35%
White/Caucasian	49%
Bi- or multi-racial	27%
Asian/Asian-American	10%
Black/African American	1%
American Indian, Alaska Native, or Indigenous	1%
Client prefers not to Answer	0%
Clients without a disability	24%
Clients with 1 or more disabilities	74%
Adults with no income	44%
Adults with earned income (employment)	34%

Outcomes for clients who exited the program during the time frame (interim supportive housing):

Exited Coast House to permanent housing	25%
Exited Coast House to temporary housing	8%
Exited CoastHouse to an unstable/institutional destination	8%
Deceased	0%
Returned to homelessness	58%

Service Categories with Provided Service:
Behavioral Health Internal
Assessment
BHP Client Support Activity
Intake Assessment
Employment
EDD Assistance
Employed
Employment
Employment Application Support
Employment Leads
Indeed Profile Not Completed
Interview
Job application completed
LifeMoves Employment Specialist
Misc. Employment Profile Support
Not Employed
Resume
Financial Literacy
Budgeting
Credit Analysis
General Services
Case Management
Proactive Engagement
Support Service Intake Assessment
Govt. Benefits
Benefit Assistance
Follow-Up on Benefits
Link with Benefits: Cal-Fresh
Link with Benefits: General Assistance
Link with Benefits: Other
Link with Benefits: SSI/SSDI
Medical/Medicare Secured
Misc. Benefits Support
SSDI / SSI Application
Healthcare
CHO Medi-Cal Assistance
Medicare / Medi-Cal Application
Referral to Healthcare for the Homeless
Referral: Primary Medical Care Services
Street Medicine Encounter
Housing Assistance
Cold Calling
Housed in SMC
Housing Application
Housing Application Support
Housing Assistance
Housing Authority
Housing Authority Account Support
Housing closed out - exited shelter
Housing Counseling
Housing Leads
Housing Portfolio
Housing Search
Housing Search & Placement
Housing Waitlist Application
Lease Review
LifeMoves Housing Specialist
Low Income Public Housing Voucher: Granted
Rapid Rehousing (RRH) Voucher: Applied
Stable Housing Placement
Incentive
Gift Card: High Value Incentive (greater than $10 value)
Gift Card: Low Value Incentive ($10 value or less)
Giftcards
Preston Butcher Gift Card Distribution
NSB/Other
Client supplies / other
Subprogram
MVP: Shelter Referral No-Show

From: AGCW Email
To: Matthew Nichols
Subject: Re: Abundant Grace accomplishments for 22/23
Date: Friday, January 31, 2025 10:00:52 AM

Hi Matthew,

Sorry, this took me a few days…

120 unique individuals
65 were new intakes in 2024
112,469 lbs total trash picked up
40,844 lbs of trash for CCT (Coastside Clean Team) specific
71,625 lbs of trash for ECT specific (Encampment Clean Team)
12,910 lbs of produce harvested and distributed
2400 showers taken
1,440 loads of laundry done
8,000 lbs of food distributed via Safeway Rescue
35,000 lbs of food distributed via food bank

Outcome Goals:
11 participants permanently housed
23 participants moved into the Coast House
18 participants were hired for outside employment (seasonal or longer term)
14 participants in recovery or went to rehab/outpatient program
15 resumes completed

How's that? Please let me know if you would like anything else.

Thank you,

Eric

On Tue, Jan 28, 2025 at 10:05 AM Matthew Nichols <MNichols@hmbcity.com> wrote:

> Hi Eric,
>
> Would you be able to provide me with this same info for 2024?

Appendix F: Social Media


ARE YOU READY FOR RAIN?
It's time to clean up pollutants in and around your yard!
WARNING
THESE WATERS ARE CONTAMINATED AND ARE NOT SUITABLE FOR SWIMMING OR OTHER WATER CONTACT ACTIVITIES
SAN MATEO COUNTY ENVIRONMENTAL HEALTH
FOR FURTHER INFORMATION, CALL 599-1266


Be a clean water hero this December.
SCOOP THE POOP
Let's celebrate this holiday season with 2022's weirdest request to keep our creeks and beaches clean. Post your clean-up pix and tag them:
#scoopthepoop #give_a_sh**


Weirdest request of 2022?
SCOOP THE POOP
...AND POST THE PIX
Let's celebrate this holiday season with clean creeks and beaches! Post your clean-up pix and tag them:
#scoopthepoop
#give_a_sh**

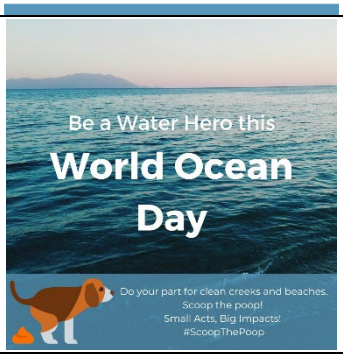

BE A WATER HERO
Scoop the poop


BE A WATER HERO
Leave your car at home


BE A WATER HERO
It's all downhill from here


BE A WATER HERO
Rainy day, don't spray


BE A WATER HERO
Use a certified green carwash


Be a Water Hero this
World Ocean Day
Do your part for clean creeks and beaches.
Scoop the poop!
Small Acts, Big Impacts!
#ScoopThePoop


It's National Cleanup Day and Dog Walker Appreciation Day!
Let's all celebrate by Scooping the Poop!
Small Acts, Big Impacts!
#ScoopThePoop

Attachment G: Outreach

front

- represents holographic material. does not print

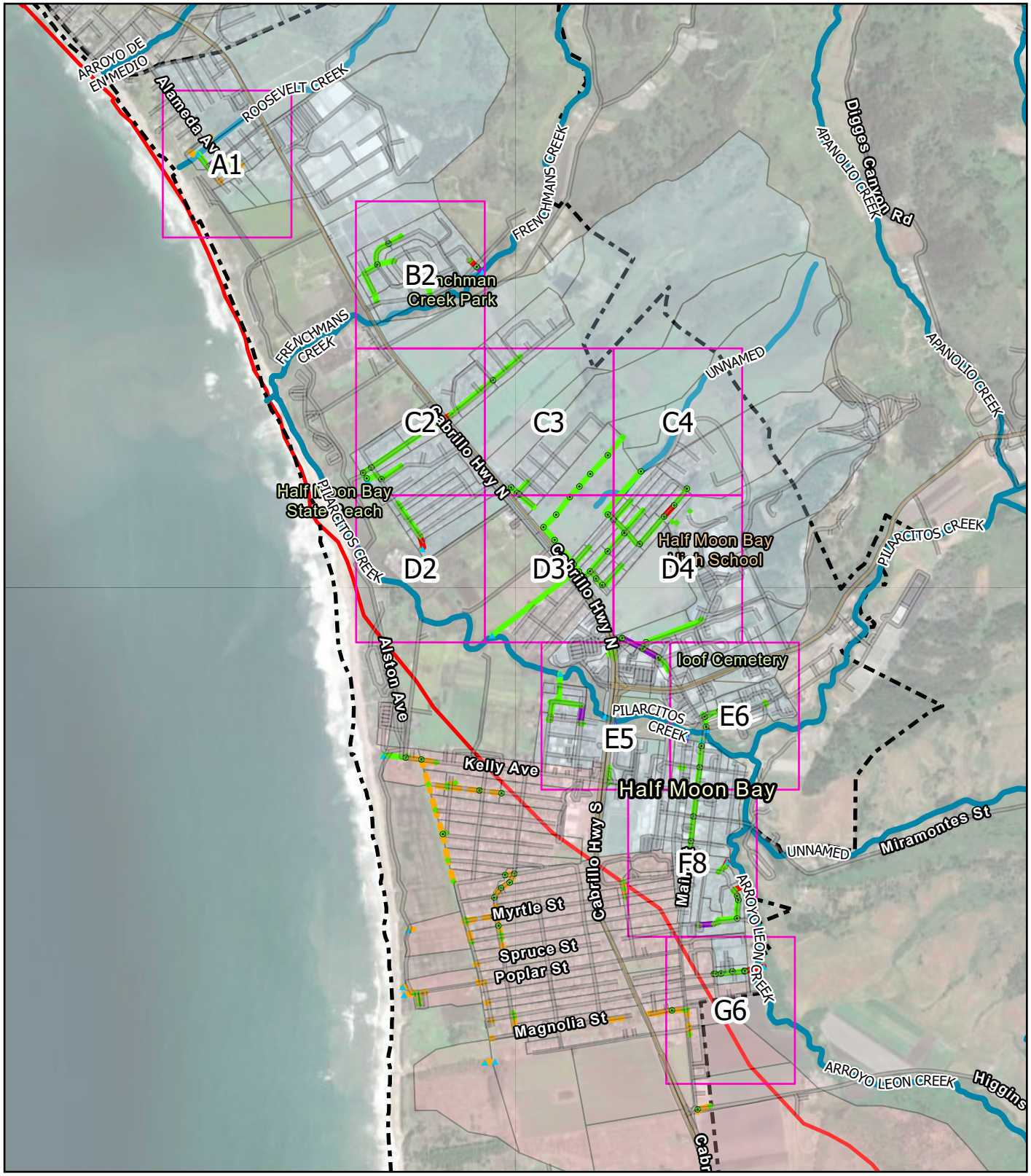
back

Classifieds

Half Moon Bay Lodge Hiring for Guest Service Agent

6

Appendix H: San Mateo County Half Moon Bay CCTV Report



City of Half Moon Bay 2024 CCTV Stormdrain System Inspection

Map Grid

CCTV Inspections

- NASSCO Rating 5
- NASSCO Rating 4
- NASSCO Rating 1-3
- City Not Inspected
- Inlet
- Manhole
- Outfall

Catchments

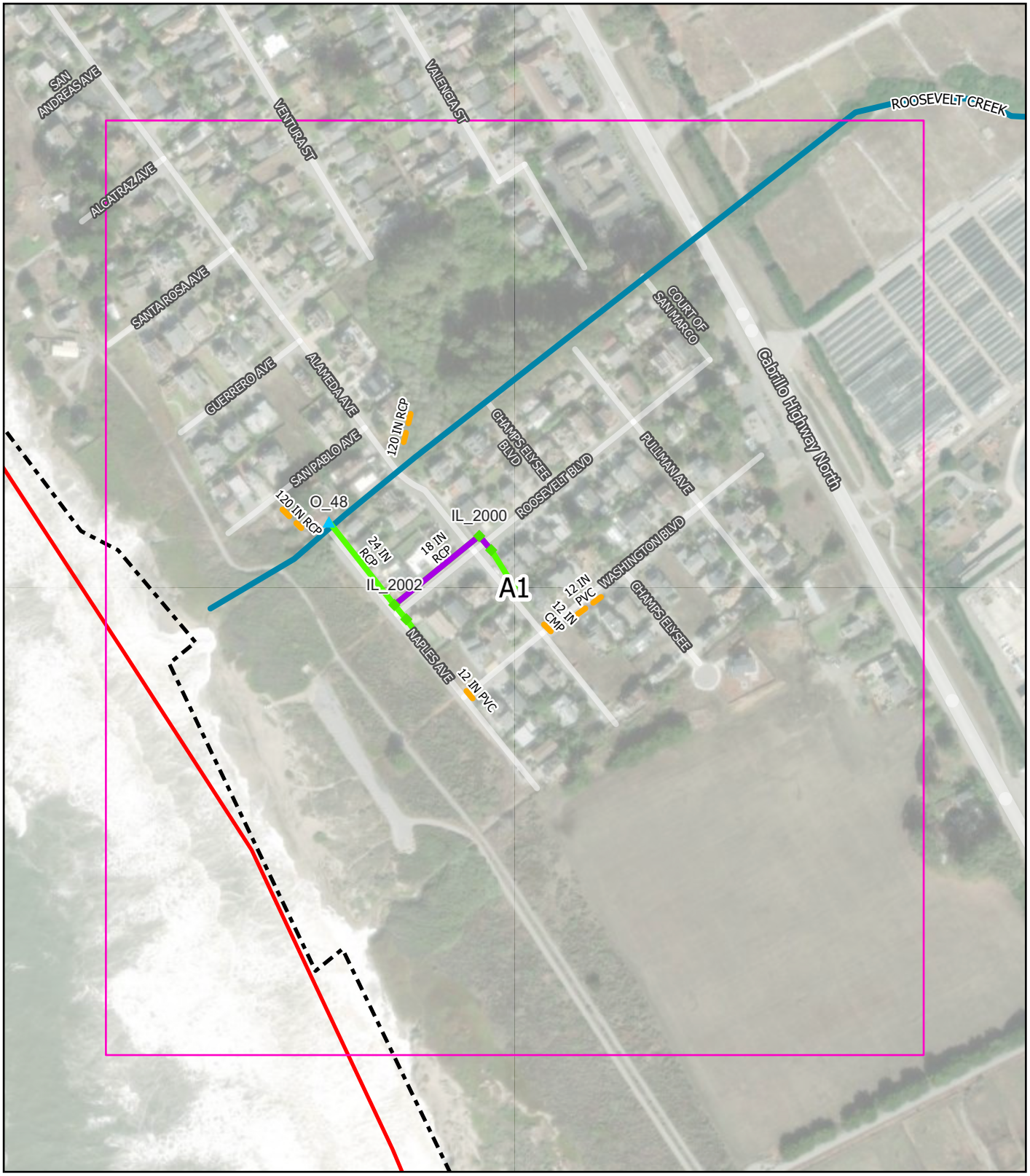
- In TMDL
- Not In TMDL
- Creeks
- PPH-VB TMDL Boundary
- City Boundary

0 0.25 0.5 0.75 1 Miles

0 2,000 4,000 6,000 Feet

City of Half Moon Bay, County of San Mateo, California State Parks, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, Bureau of Land Management, EPA, NPS, US Census Bureau, USDA, USFWS, Maxar

Date Printed: 3/18/2024



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- NASSCO Rating 1-3
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- Inlet
- Manhole
- Outfall

Creeks

PPH-VB TMDL Boundary

City Boundary

0 0.04 0.08 0.12 0.16 Miles

0 250 500 750 Feet

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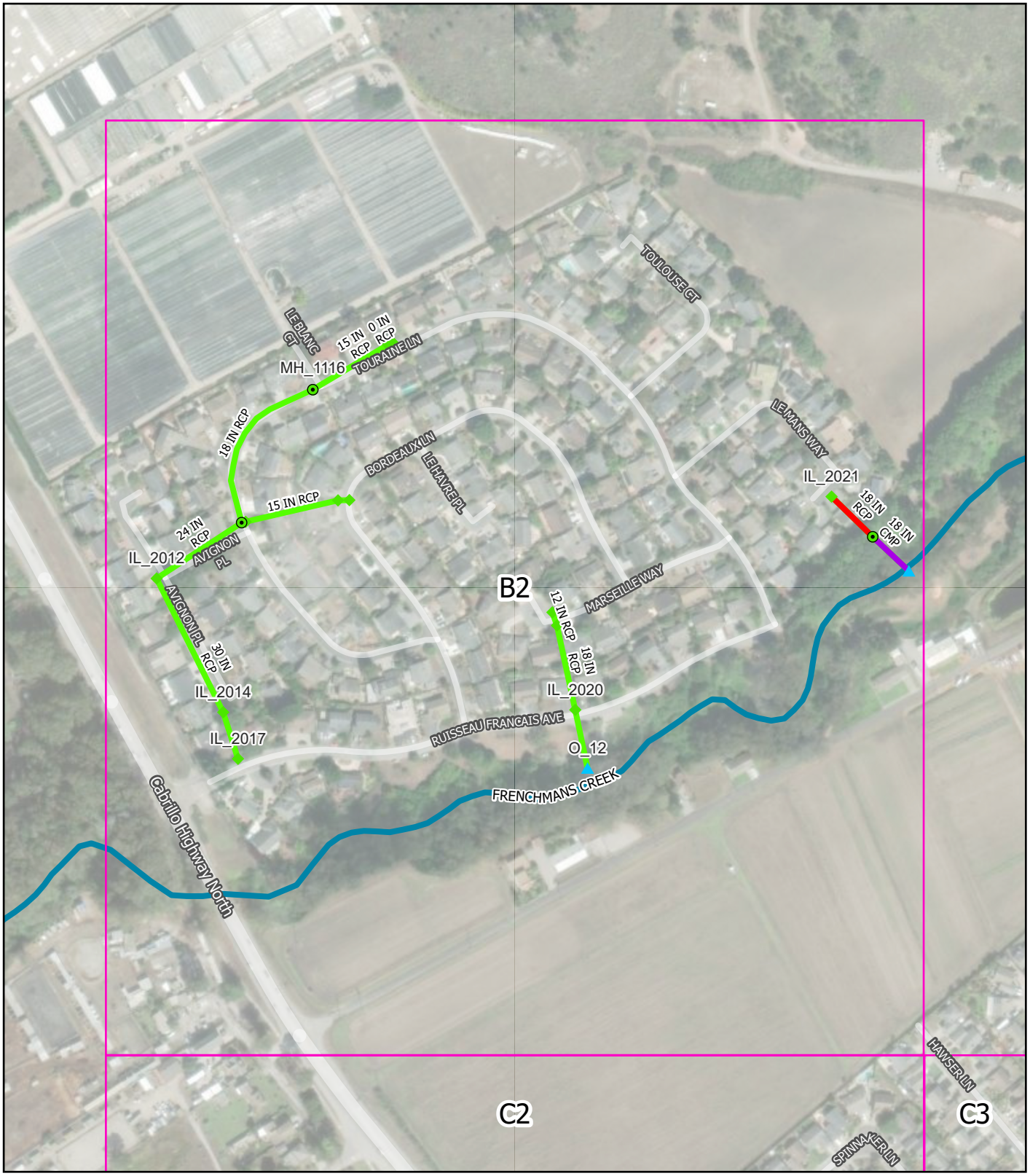
City of Half Moon Bay 2024 CCTV Stormdrain System Inspection



Map Grid

CCTV Inspections

- NASSCO Rating 5
- NASSCO Rating 4
- NASSCO Rating 1-3
- City Not Inspected
- Inlet
- Manhole
- Outfall

Creeks

PPH-VB TMDL Boundary

City Boundary

0 0.04 0.08 0.12 0.16 Miles

0 250 500 750 Feet

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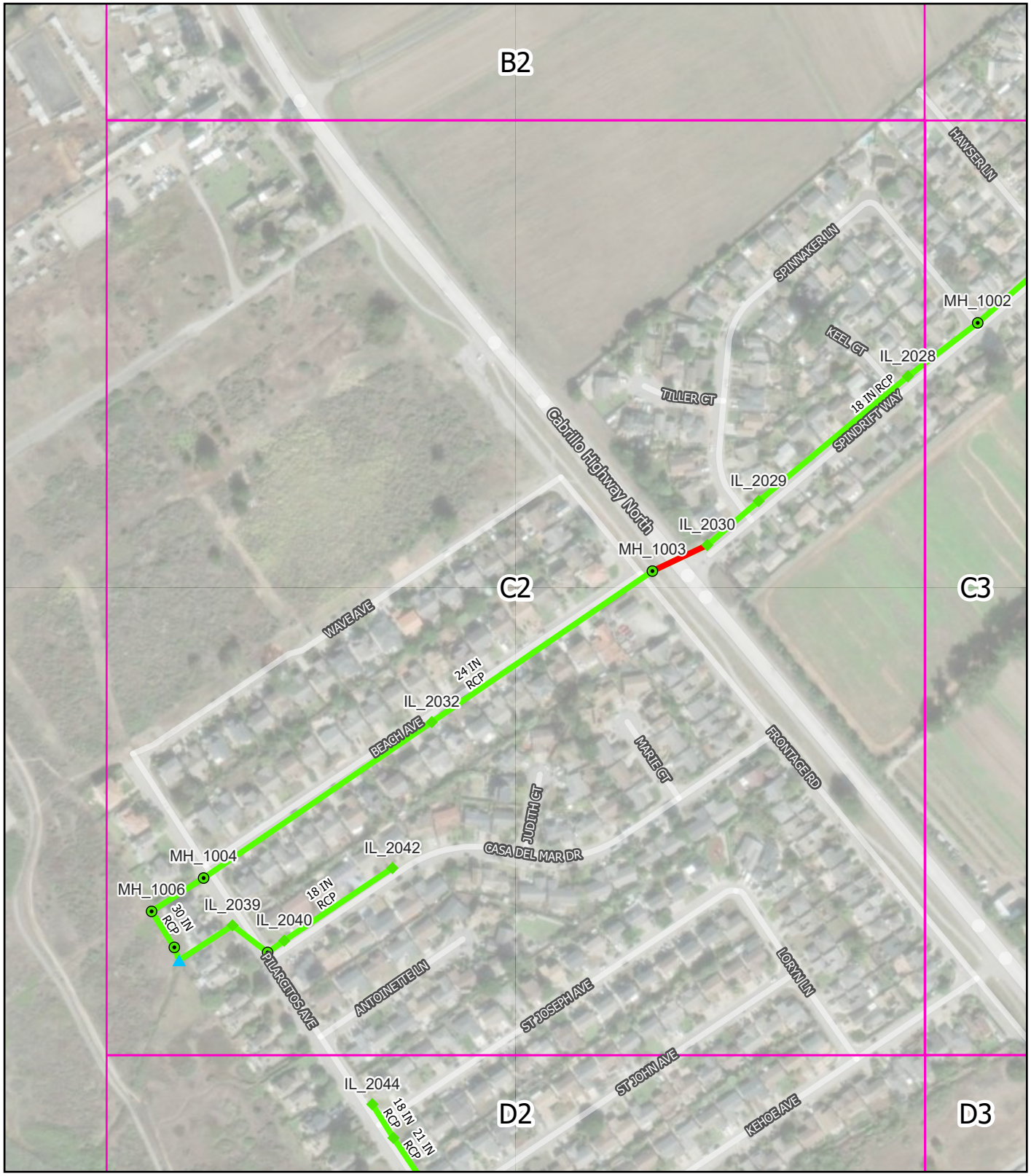

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Map Grid

CCTV Inspections

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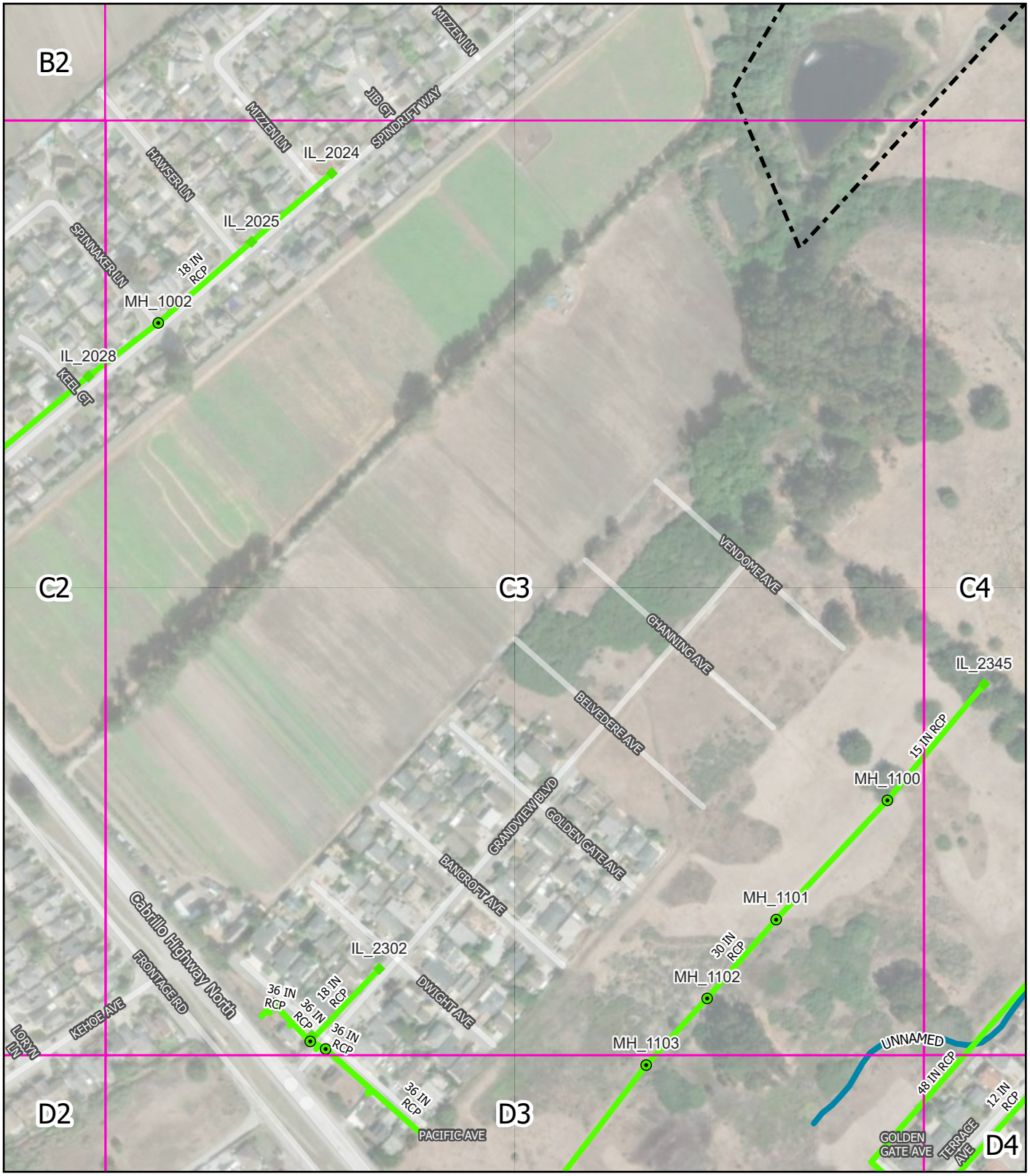
Date Printed: 3/18/2024



City of Half Moon Bay 2024 CCTV Stormdrain System Inspection

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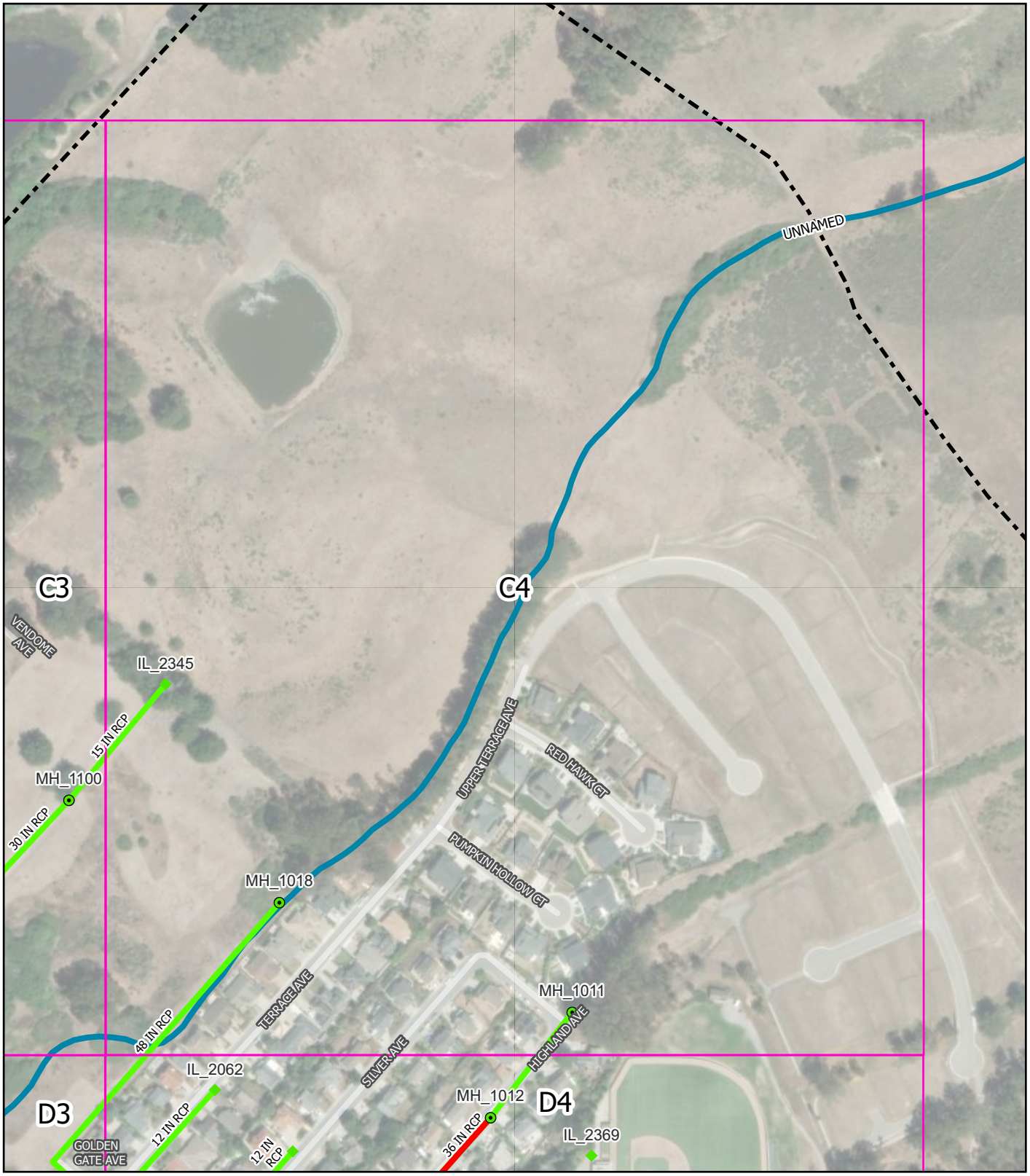

City of Half Moon Bay 2024 CCTV Stormdrain System Inspection

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0 250 500 750 Feet

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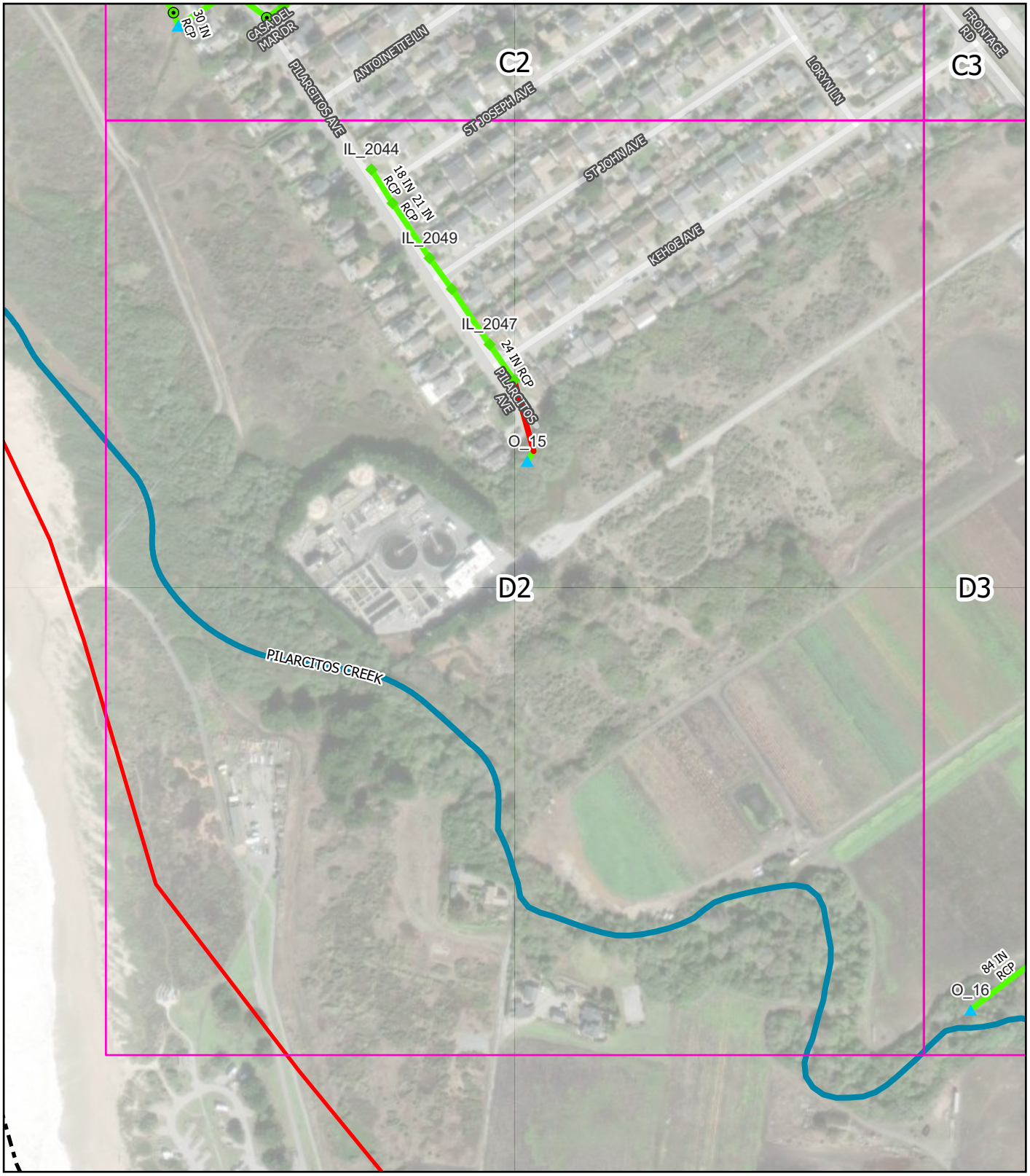

City of Half Moon Bay 2024 CCTV Stormdrain System Inspection

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0 0.04 0.08 0.12 0.16 Miles

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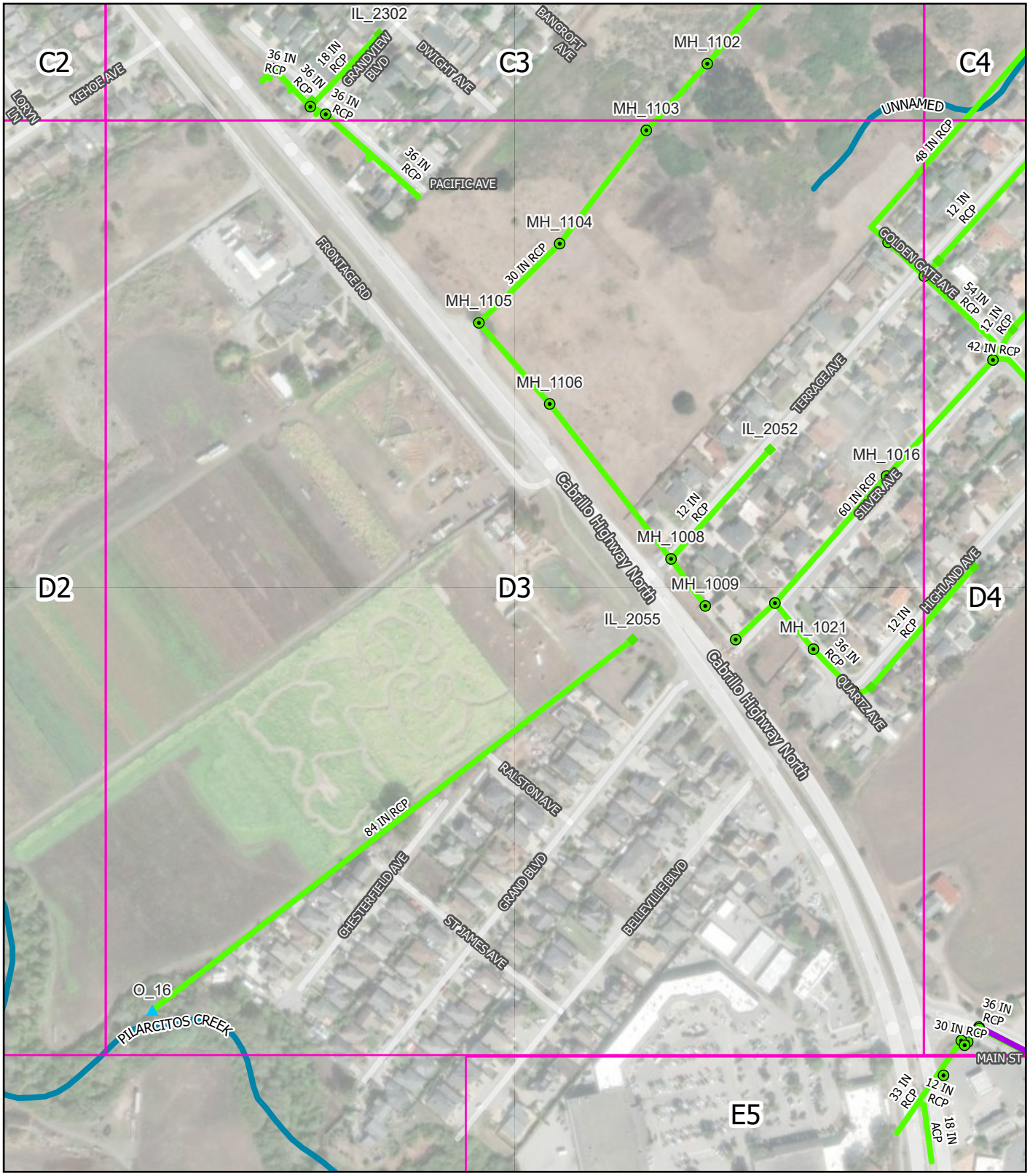

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0 0.04 0.08 0.12 0.16 Miles

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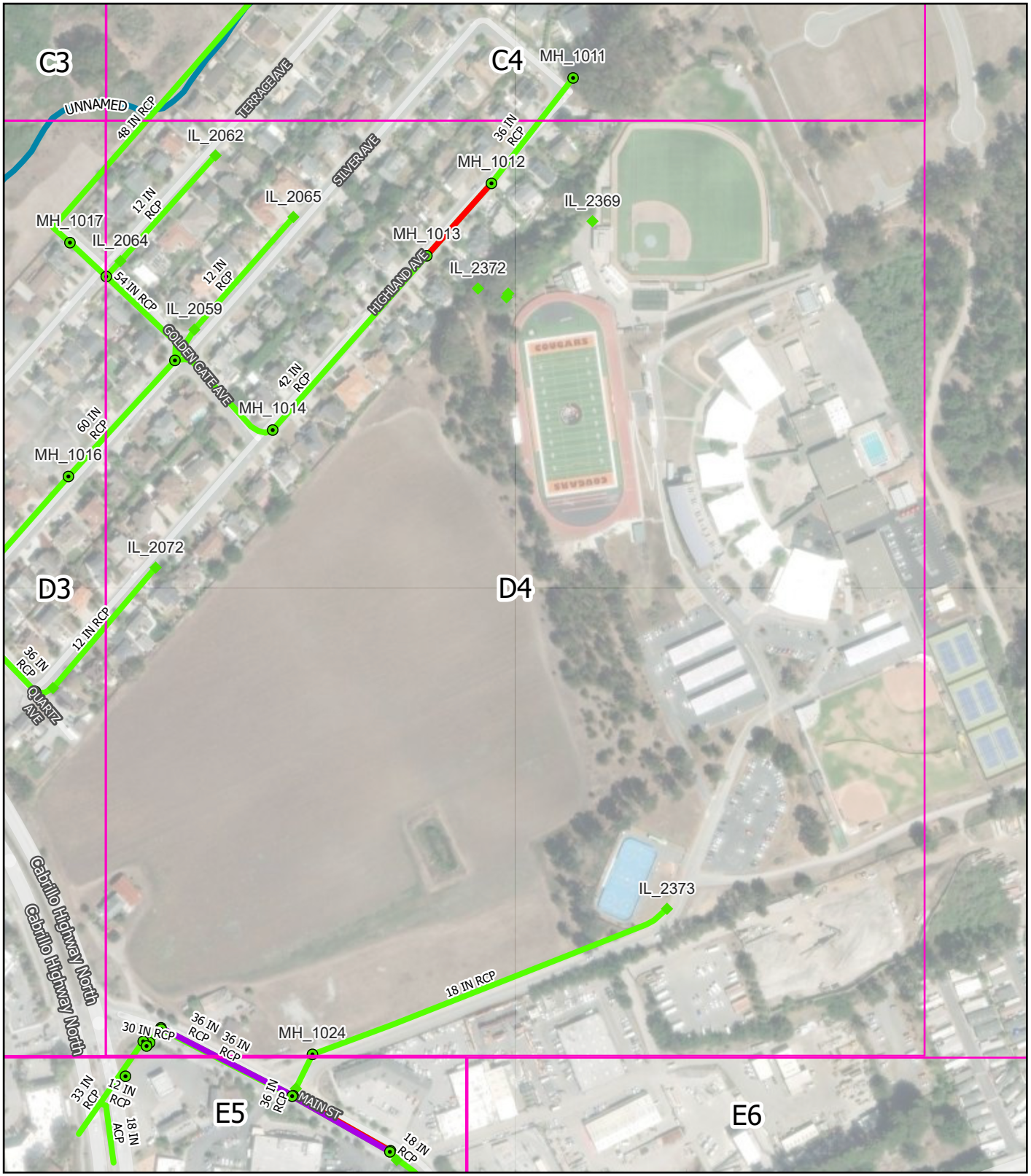

City of Half Moon Bay 2024 CCTV Stormdrain System Inspection

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0 0.04 0.08 0.12 0.16 Miles

0 250 500 750 Feet

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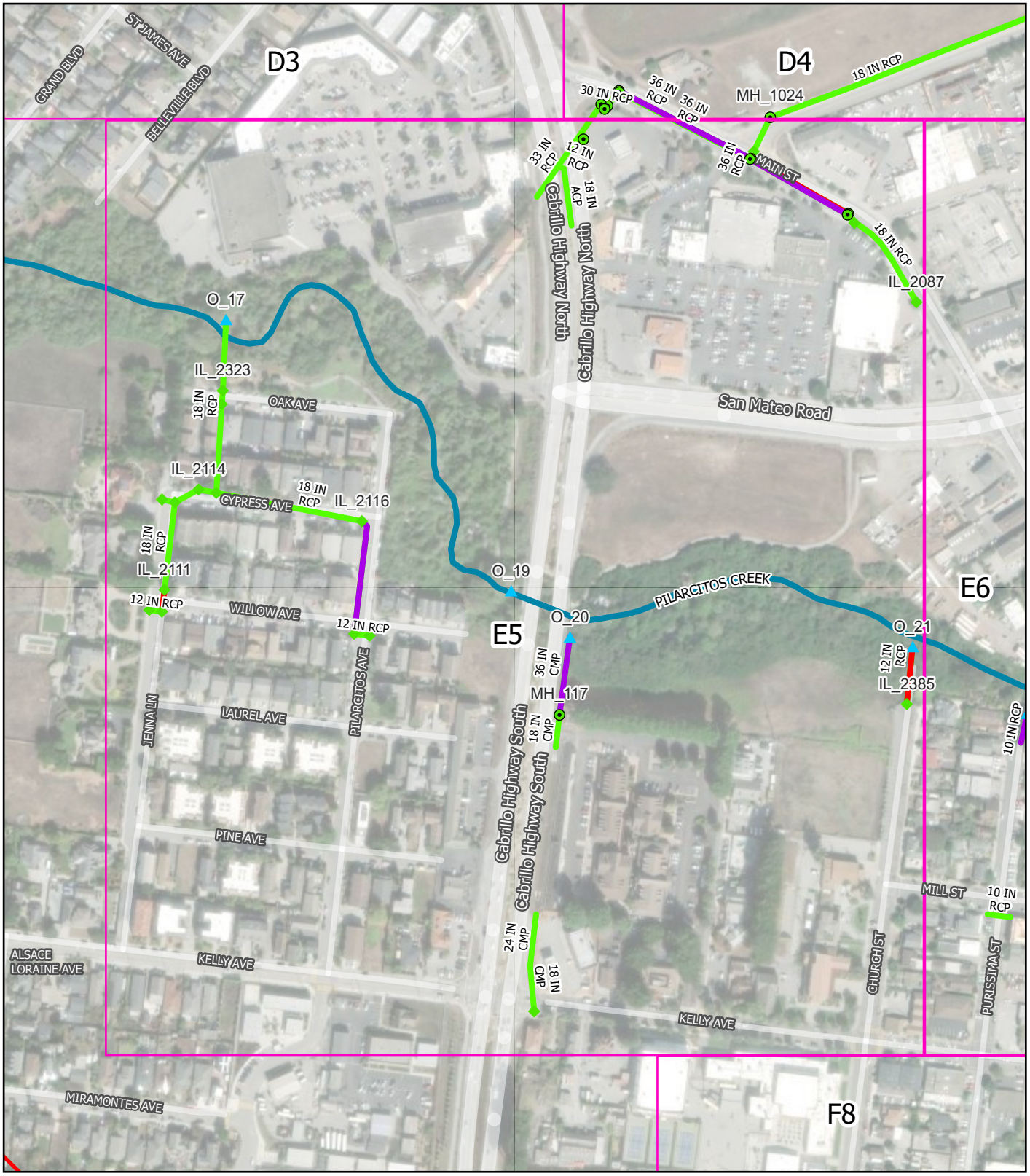

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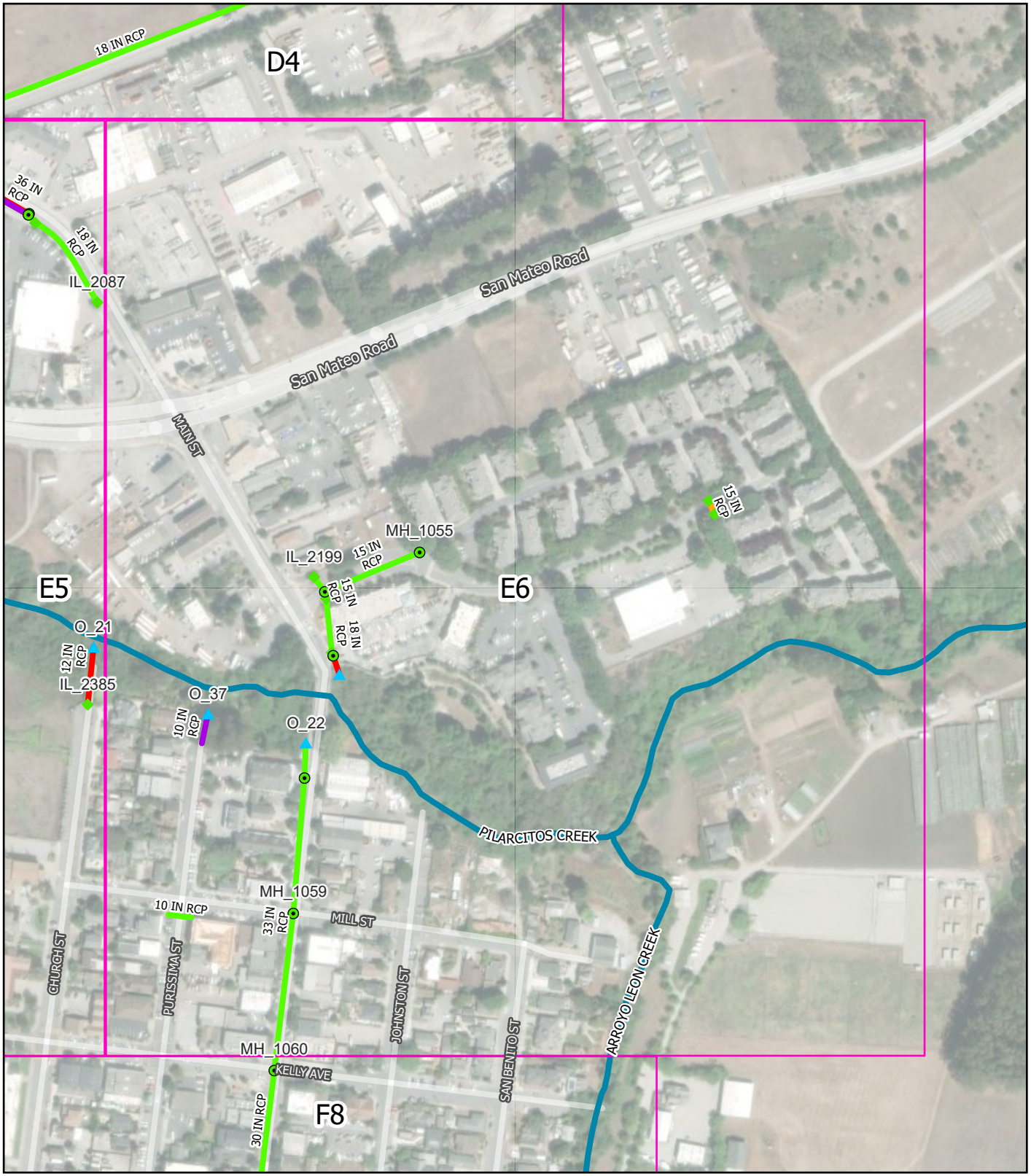
0 0.04 0.08 0.12 0.16 Miles

0 250 500 750 Feet

Date Printed: 3/18/2024



City of Half Moon Bay 2024 CCTV Stormdrain System Inspection

- Map Grid

CCTV Inspections

- NASSCO Rating 5
- NASSCO Rating 4
- NASSCO Rating 1-3
- City Not Inspected
- Inlet
- Manhole
- Outfall

- Creeks
- PPH-VB TMDL Boundary
- City Boundary

0 0.04 0.08 0.12 0.16 Miles

0 250 500 750 Feet

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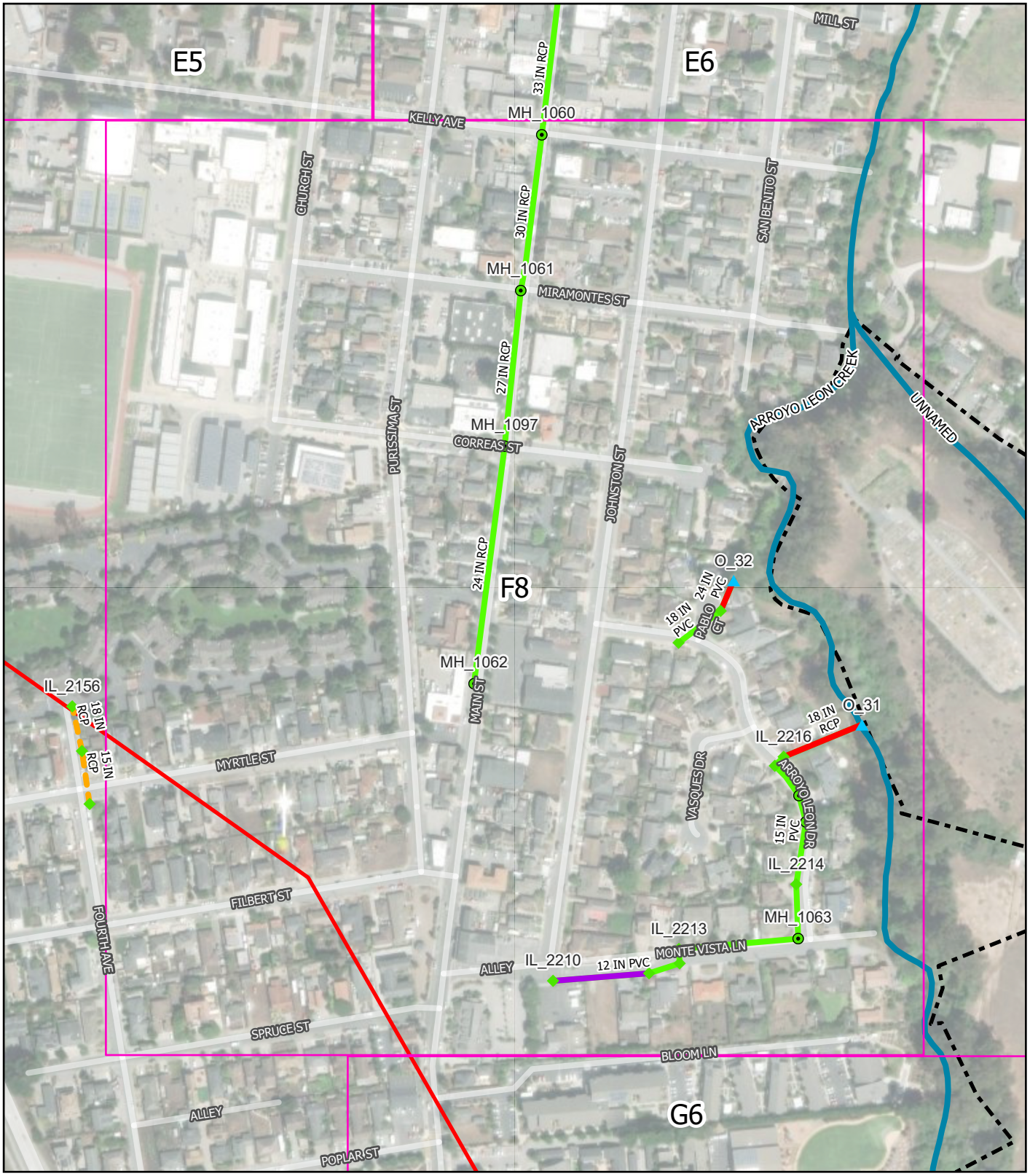

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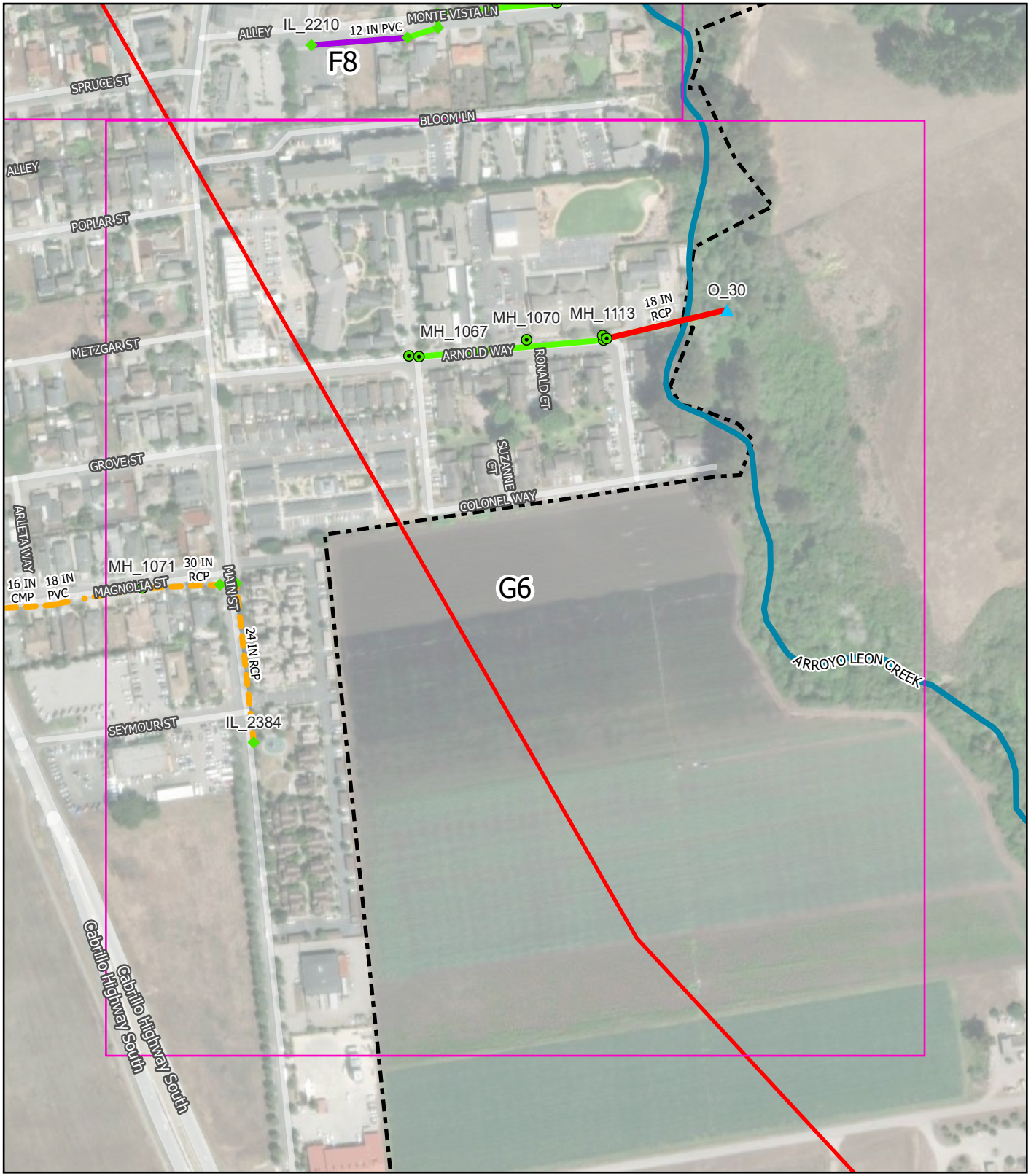

City of Half Moon Bay 2024 CCTV Stormdrain System Inspection

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- CCTV Inspections
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Date Printed: 3/18/2024

Appendix I : County Stormwater Inspection Reports

SAN MATEO COUNTY HEALTH
ENVIRONMENTAL HEALTH SERVICES

Stormwater Program Inspection Report	
Date: 2023-12-18	Visit Type: Inspection - Routine
Site Name: EASY MART #1	Site Address: 61 AVENUE ALHAMBRA, EL GRANADA, CA, 94018
Site Phone Number: 6507269924	APN:
Application Number: BLA-0000002804	Program: STORMWATER
Visit Id: 00362493	Special Instructions:

Additional Details	
Permit Expiration Date:	Fees Due: $0.00
Business Owner Name: TRAN, CHESTER	Business Owner Mailing Address: 926 SUNDANCE DR, FREMONT, CA, United States, 94539
Consent: Howie Nguyen	

Comments

I arrived onsite and met with Howie Nguyen to conduct a Stormwater Program inspection. I inspected the outdoor areas including the driveway, parking areas, underground gasoline tanks and dispensers, the fenced storage yard adjacent to the building, and the adjacent landscaping. I didn't observe any signs of gasoline spills or releases, but I did observe a small amount of uncontained trash and litter in all locations referenced above. The manager cleaned up all loose trash and litter, and will conduct further maintenance and clean up in the fenced storage yard. Continue to conduct routine trash and litter clean up activities to prevent offsite migration of stormwater pollutants.

Observations

General - Stormwater

Compliance Indicator	Citation	Status	Comments
OUTDOOR WASTE STORAGE/DISPOSAL AREA	SP03	No Violation Observed	I observed a small amount of uncontained trash and litter near the outdoor trash container. The manager cleaned up the trash and litter during the inspection, and will conduct more frequent trash and litter cleanup activities as needed.
OUTDOOR PARKING AREAS/ACCESS ROADS	SP05	No Violation Observed	I observed a small amount of uncontained trash and litter throughout the driveway and parking areas. The manager cleaned up the trash and litter during the inspection, and will conduct more frequent trash and litter cleanup activities as needed.

Signatures

Authority	Name	Signature
Business Representative Signature	Howie Nguyen	
Inspector Signature	DIRK JENSEN	

SAN MATEO COUNTY HEALTH
ENVIRONMENTAL HEALTH SERVICES

Stormwater Program Inspection Report	
Date: 2023-11-28	Visit Type: Inspection - Routine
Site Name: PORTOLA PUMP STATION	Site Address: 529 OBISPO RD, EL GRANADA, CA, 94018
Site Phone Number: 6507260124	APN:
Application Number: BLA-0000006211	Program: STORMWATER
Visit Id: 00361040	Special Instructions:

Additional Details	
Permit Expiration Date:	Fees Due: $0.00
Business Owner Name: SEWER AUTHORITY MID-COASTSIDE	Business Owner Mailing Address:
Consent: Douglas Dieguez	

Comments

I arrived onsite and met with Douglas Dieguez from SAM to conduct a Stormwater Program inspection. The SAM sanitary sewer pump station is well maintained, and I didn't observe any significant actual or potential pollutant discharge issues.

Observations

General - Stormwater

Compliance Indicator	Citation	Status	Comments
OUTDOOR MATERIAL STORAGE AREA	SP02	No Violation Observed	Aboveground Convault diesel fuel tank is located outdoors, and no signs of leak or spill at tank and piping fuel lines.
OUTDOOR PARKING AREAS/ACCESS ROADS	SP05	No Violation Observed	Driveway, parking lot, and fenced storage yard are well maintained. Continue to conduct periodic trash and litter clean up activities as needed.

Signatures

Authority	Name	Signature
Business Representative Signature	Douglas Dieguez	
Inspector Signature	DIRK JENSEN