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DEPARTMENT OF PUBLIC WORKS  
Brad B. Underwood, P.E., L.S., Director



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September 30, 2019

Mr. Michael Montgomery  
Executive Officer  
San Francisco Bay Regional Water Quality Control Board  
1515 Clay Street, Suite 1400  
Oakland, CA 94612

Subject: **City of San Mateo**  
FY 2018/19 Annual Report

Dear Mr. Montgomery:

This letter and Annual Report with attachments is submitted by City of San Mateo pursuant to Permit Provision C.17.a of the Municipal Regional Stormwater NPDES Permit (MRP), Order R2-2015-0049, NPDES Permit No CAS612008 issued by the San Francisco Bay Regional Water Quality Control Board. The Annual Report provides documentation of compliance activities conducted during FY 2018/19 and related accomplishments.

Please contact Sarah Scheidt at 650-522-7385 regarding any questions or concerns.

Very truly yours,

Brad Underwood, P.E., L.S.  
Public Works Director, City of San Mateo

Enclosure

CC: Chron

**CITY OF SAN MATEO  
FY 2018/19 ANNUAL REPORT**

**Certification Statement**

"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 ensure 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."

**Signature of Duly Authorized Representative:**

A handwritten signature in black ink, appearing to read "Brad Underwood", written over a horizontal line.

Brad Underwood, Public Works Director

9/23/2019

**FY 2018-2019 Annual Report**  
**Permittee Name: City of San Mateo**

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Section 1 – Permittee Information

Background Information					
Permittee Name:	City of San Mateo				
Population:	97,207 (Source US Census Bureau, <a href="http://www.census.gov/popfinder/?fl=06:0668252">http://www.census.gov/popfinder/?fl=06:0668252</a> )				
NPDES Permit No.:	CAS612008				
Order Number:	R2-2015-0049				
Reporting Time Period (month/year):	July 2018 through June 2019				
Name of the Responsible Authority:	Brad Underwood	Title:	Public Works Director		
Mailing Address:	330 W. 20th Avenue				
City:	San Mateo	Zip Code:	94403	County:	San Mateo
Telephone Number:	(650) 522-7300	Fax Number:	(650) 522-7301		
E-mail Address:	<a href="mailto:bunderwood@cityofsanmateo.org">bunderwood@cityofsanmateo.org</a>				
Name of the Designated Stormwater Management Program Contact (if different from above):	Sarah Scheidt	Title:	Regulatory Compliance Manager		
Department:	Public Works				
Mailing Address:	330 W. 20 <sup>th</sup> Avenue				
City:	San Mateo	Zip Code:	94403	County:	San Mateo
Telephone Number:	(650) 522-7385	Fax Number:	(650) 522-7351		
E-mail Address:	sscheidt@cityofsanmateo.org				

Section 2 - Provision C.2 Reporting Municipal Operations

**Program Highlights and Evaluation**

Highlight/summarize activities for reporting year:

Summary:

- City staff continued to implement Best Management Practices and Standard Operating Procedures to comply with the requirements of C.2.a., C.2.b., C.2.c., C.2.d., and C.2.f.
- The City's "Corp Yard" was inspected on 9/26/18, and follow-up inspections were completed on 10/1/18, and 10/5/18. The City's "Park Yard" was inspected on 9/28/18, and a follow-up inspection was conducted on 10/1/18. No major deficiencies were found, and minor deficiencies related to BMP implementation were corrected.
- City staff participated in the countywide program's Municipal Operations Subcommittee.
- City municipal staff continued using the SMCWPPP pesticide tracking Excel template to record pesticide use.
- Provision C.2.e. does not apply, as the City does not own or maintain roads that meet the definition of "Rural Roads" within its jurisdiction.
- A summary of activities implemented Countywide including the City of San Mateo are presented within the C.2. Municipal Operations section of the SMCWPPP FY 18-19 Annual Report.

**C.2.a. ► Street and Road Repair and Maintenance**

Place a **Y** in the boxes next to activities where applicable BMPs were implemented. If not applicable, type **NA** in the box and provide an explanation in the comments section below. Place an **N** in the boxes next to activities where applicable BMPs were not implemented for one or more of these activities during the reporting fiscal year, then in the comments section below provide an explanation of when BMPs were not implemented and the corrective actions taken.

Y	Control of debris and waste materials during road and parking lot installation, repaving or repair maintenance activities from polluting stormwater
Y	Control of concrete slurry and wastewater, asphalt, pavement cutting, and other street and road maintenance materials and wastewater from discharging to storm drains from work sites.
Y	Sweeping and/or vacuuming and other dry methods to remove debris, concrete, or sediment residues from work sites upon completion of work.

Comments:

For Street and Road Repair Maintenance by City-hired contractors: Contractors are bound by signed agreement to comply with the "City of San Mateo Storm Water Management and Discharge Rules and Regulations." Additionally, at each pre-construction conference, the contractor submits their program to control stormwater pollution effectively during the project.

**C.2.b. ► Sidewalk/Plaza Maintenance and Pavement Washing**

Place a **Y** in the boxes next to activities where applicable BMPs were implemented. If not applicable, type **NA** in the box and provide an explanation in the comments section below. Place an **N** in the boxes next to activities where applicable BMPs were not implemented for one or more of these activities during the reporting fiscal year, then in the comments section below provide an explanation of when BMPs were not implemented and the corrective actions taken.

<b>Y</b>	Control of wash water from pavement washing, mobile cleaning, pressure wash operations at parking lots, garages, trash areas, gas station fueling areas, and sidewalk and plaza cleaning activities from polluting stormwater
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<b>Y</b>	Implementation of the BASMAA Mobile Surface Cleaner Program BMPs
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Comments: City staff do not conduct pressure washing. Contracted service providers are required by contract to “ensure that the disposal of all waste water and debris is conducted in accordance with all existing Regional Water Quality Board regulations.” The City’s current downtown maintenance company is certified through the BASMAA Mobile Surface Cleaner Program, and follows all applicable BMPs regarding pressure washing.

**C.2.c. ► Bridge and Structure Maintenance and Graffiti Removal**

Place a **Y** in the boxes next to activities where applicable BMPs were implemented. If not applicable, type **NA** in the box and provide an explanation in the comments section below. Place an **N** in the boxes next to activities where applicable BMPs were not implemented for one or more of these activities during the reporting fiscal year, then in the comments section below provide an explanation of when BMPs were not implemented and the corrective actions taken.

<b>Y</b>	Control of discharges from bridge and structural maintenance activities directly over water or into storm drains
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<b>NA</b>	Control of discharges from graffiti removal activities
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<b>Y</b>	Proper disposal for wastes generated from bridge and structure maintenance and graffiti removal activities
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<b>NA</b>	Implementation of the BASMAA Mobile Surface Cleaner Program BMPs for graffiti removal
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<b>Y</b>	Employee training on proper capture and disposal methods for wastes generated from bridge and structural maintenance and graffiti removal activities.
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<b>Y</b>	Contract specifications requiring proper capture and disposal methods for wastes generated from bridge and structural maintenance and graffiti removal activities.
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Comments:  
 The City hires contractors for bridge and structure maintenance; stormwater BMP requirements are included in contract language.  
 N/A – City employees cover graffiti using paint. Graffiti abatement methods do not generate non-stormwater discharges.

C.2.e. ► Rural Public Works Construction and Maintenance	
Does your municipality own/maintain rural <sup>1</sup> roads:	
<input type="checkbox"/>	Yes
<input checked="" type="checkbox"/>	No
If your answer is <b>No</b> then skip to C.2.f.	
Place a <b>Y</b> in the boxes next to activities where applicable BMPs were implemented. If not applicable, type <b>NA</b> in the box and provide an explanation in the comments section below. Place an <b>N</b> in the boxes next to activities where applicable BMPs were not implemented for one or more of these activities during the reporting fiscal year, then in the comments section below provide an explanation of when BMPs were not implemented and the corrective actions taken.	
<b>NA</b>	Control of road-related erosion and sediment transport from road design, construction, maintenance, and repairs in rural areas
<b>NA</b>	Identification and prioritization of rural road maintenance based on soil erosion potential, slope steepness, and stream habitat resources
<b>NA</b>	No impact to creek functions including migratory fish passage during construction of roads and culverts
<b>NA</b>	Inspection of rural roads for structural integrity and prevention of impact on water quality
<b>NA</b>	Maintenance of rural roads adjacent to streams and riparian habitat to reduce erosion, replace damaging shotgun culverts and excessive erosion
<b>NA</b>	Re-grading of unpaved rural roads to slope outward where consistent with road engineering safety standards, and installation of water bars as appropriate
<b>NA</b>	Inclusion of measures to reduce erosion, provide fish passage, and maintain natural stream geomorphology when replacing culverts or design of new culverts or bridge crossings
Provision C.2.e. does not apply, as the City does not own or maintain roads that meet the definition of "rural Roads" within its jurisdiction.	

<sup>1</sup>Rural means any watershed or portion thereof that is developed with large lot home-sites, such as one acre or larger, or with primarily agricultural, grazing or open space uses.

<b>C.2.f. ► Corporation Yard BMP Implementation</b>				
Place an <b>X</b> in the boxes below that apply to your corporations yard(s):				
<input type="checkbox"/>	We do not have a corporation yard			
<input type="checkbox"/>	Our corporation yard is a filed NOI facility and regulated by the California State Industrial Stormwater NPDES General Permit			
<input checked="" type="checkbox"/>	We have a <b>Stormwater Pollution Prevention Plan (SWPPP)</b> for the Corporation Yard(s)			
Place an <b>X</b> in the boxes below next to implemented SWPPP BMPs to indicate that these BMPs were implemented in applicable instances. If not applicable, type <b>NA</b> in the box. If one or more of the BMPs were not adequately implemented during the reporting fiscal year then indicate so and explain in the comments section below:				
<input checked="" type="checkbox"/>	Control of pollutant discharges to storm drains such as wash waters from cleaning vehicles and equipment			
<input checked="" type="checkbox"/>	Routine inspection prior to the rainy seasons of corporation yard(s) to ensure non-stormwater discharges have not entered the storm drain system			
<input checked="" type="checkbox"/>	Containment of all vehicle and equipment wash areas through plumbing to sanitary or another collection method			
<input checked="" type="checkbox"/>	Use of dry cleanup methods when cleaning debris and spills from corporation yard(s) or collection of all wash water and disposing of wash water to sanitary or other location where it does not impact surface or groundwater when wet cleanup methods are used			
<input checked="" type="checkbox"/>	Cover and/or berm outdoor storage areas containing waste pollutants			
Comments:				
<p>The City of San Mateo performed an inspection of its Corp Yard on 9/26/18, and follow-up inspections were completed on 10/1/18, and 10/5/18. An inspection of the Parks Yard was performed on 9/28/18, and a follow-up inspection was conducted on 10/1/18. No major deficiencies were found, but several potential violations were observed and listed for correction at the Corp Yard and Parks Yard. These violation were due to equipment failure, inconsistent BMP implementation, and regular wear of stormdrain filter fabric. The City verified that all deficiencies were corrected over the course of the follow-up inspections or temporary measures were adequately employed.</p>				
If you have a corporation yard(s) that is not an NOI facility, complete the following table for inspection results for your corporation yard(s) or attach a summary including the following information:				
Corporation Yard Name	Corp Yard Activities w/ site-specific SWPPP BMPs	Inspection Date <sup>2</sup>	Inspection Findings/Results	Date and Description of Follow-up and/or Corrective Actions
City of San Mateo Corp Yard	<ul style="list-style-type: none"> <li>General Housekeeping</li> <li>Diesel and gasoline storage and use</li> </ul>	9/26/18	1. "Short" dumpster near e-waste area had leak which resulted in residue on pavement which needed to be cleaned and disposed of.	1. <b>10/5/18:</b> Residue has been cleaned and disposed

<sup>2</sup> Minimum inspection frequency is once a year during September.



C.2 – Municipal Operations

	<ul style="list-style-type: none"> <li>• Vehicle cleaning (wash pad)</li> <li>• Outdoor equipment/vehicle maintenance, staging and parking</li> <li>• Asphalt patch truck emulsion system cleaning</li> <li>• Solid and green waste management</li> <li>• Equipment maintenance</li> <li>• Outdoor aggregate material storage</li> <li>• Outdoor hazardous waste management</li> </ul>		<ol style="list-style-type: none"> <li>2. Some absorbent on pavement near diesel fueling station needs to be swept.</li> <li>3. Filter fabric in SDI's need to be replaced</li> <li>4. Used absorbent containers should be labeled</li> <li>5. Dumpster near SDI should be repaired or replaced so as not to leak.</li> <li>6. Removable lids must be placed on uncovered dumpster before rainy season.</li> </ol>	<ol style="list-style-type: none"> <li>2. <b>10/1/18:</b> Absorbent swept and disposed of in "used" absorbent container</li> <li>3. <b>10/1/18:</b> Filter Fabric replaced</li> <li>4. <b>10/5/18:</b> Used absorbent containers labeled.</li> <li>5. <b>10/5/18:</b> Dumpster no longer leaking. Appears to be in good condition.</li> <li>6. <b>10/5/18:</b> Repair outstanding. Tarp used as temporary measure.</li> </ol>
<b>Corporation Yard Name</b>	<b>Corp Yard Activities w/ site-specific SWPPP BMPs</b>	<b>Inspection Date<sup>3</sup></b>	<b>Inspection Findings/Results</b>	<b>Date and Description of Follow-up and/or Corrective Actions</b>
City of San Mateo Parks Yard	<ul style="list-style-type: none"> <li>• General yard Housekeeping</li> <li>• Waste management</li> <li>• Aggregate material storage</li> </ul>	9/28/18	<ol style="list-style-type: none"> <li>1. Oily drip pan in east corner of yard. Dispose of oil and do not store outdoors.</li> <li>2. Clean out SDI filter at yard entrance.</li> <li>3. Recommend having straw wattles in front of bunkers in addition to bunker tarps.</li> </ol>	<ol style="list-style-type: none"> <li>1. <b>10/1/18:</b> Oil disposed of and pan removed.</li> <li>2. <b>9/28/18:</b> Cleaned out same day</li> </ol>

<sup>3</sup> Minimum inspection frequency is once a year during September.

**Section 3 - Provision C.3 Reporting New Development and Redevelopment**

**C.3.b.iv.(2) ► Regulated Projects Reporting**

Fill in attached table C.3.b.iv.(2) or attach your own table including the same information. Refer to Table C.3.b.iv.(2) (attached)

**C.3.e.iv. ► Alternative or In-Lieu Compliance with Provision C.3.c.**

Is your agency choosing to require 100% LID treatment onsite for all Regulated Projects and not allow alternative compliance under Provision C.3.e.?

	Yes	X	No
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Comments (optional):

**C.3.e.v ► Special Projects Reporting**

1. In FY 2018-19, has your agency received, but not yet granted final discretionary approval of, a development permit application for a project that has been identified as a potential Special Project based on criteria listed in MRP Provision C.3.e.ii(2) for any of the three categories of Special Projects (Categories A, B or C)?

X	Yes		No
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2. In FY 2018-19, has your agency granted final discretionary approval to a Special Project? If yes, include the project in both the C.3.b.iv.(2) Table, and the C.3.e.v. Table.

X	Yes		No
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If you answered "Yes" to either question,

- 1) Complete Table C.3.e.v.
- 2) Attach narrative discussion of 100% LID Feasibility or Infeasibility for each project.

Four (4) Special Projects were approved in FY 18-19. The data for each is provided in Table C.3.e.v and a narrative for each project immediately follows the table.

**C.3.h.v.(2) ► Reporting Newly Installed Stormwater Treatment Systems and HM Controls (Optional)**

On an annual basis, before the wet season, provide a list of newly installed (installed within the reporting year) stormwater treatment systems and HM controls to the local mosquito and vector control agency and the Water Board. The list shall include the facility locations and a description of the stormwater treatment measures and HM controls installed.

See attached Table C.3.h.v.(2) that lists two (2) newly installed Stormwater Treatment Systems in FY 18-19. No HM controls were installed.

**C.3.h.v.(3)(a) –(c) and (f) ► Installed Stormwater Treatment Systems Operation and Maintenance Verification Inspection Program Reporting**

Site Inspections Data	Number/Percentage
Total number of Regulated Projects (including offsite projects, and Regional Projects) in your agency's database or tabular format at the end of the previous fiscal year (FY 17-18)	30
Total number of Regulated Projects (including offsite projects, and Regional Projects) in your agency's database or tabular format at the end of the reporting period (FY 18-19)	32
Total number of Regulated Projects (including offsite projects, and Regional Projects) for which O&M verification inspections were conducted during the reporting period (FY 18-19)	6
Percentage of the total number of Regulated Projects (including offsite projects, and Regional Projects) inspected during the reporting period (FY 18-19)	20% <sup>4</sup>

**C.3.h.v.(3)(d)-(e) ► Installed Stormwater Treatment Systems Operation and Maintenance Verification Inspection Program Reporting**

Provide a discussion of the inspection findings for the year and any common problems encountered with various types of treatment systems and/or HM controls. This discussion should include a general comparison to the inspection findings from the previous year.

City staff inspected stormwater treatment systems at six (6) project locations to verify operation and maintenance (O&M) tasks were ongoing at each facility. Inspection findings are summarized below:

- HM controls were not required at any of the locations inspected.
- Five (5) locations received Written Warnings for deficiencies found. One location was deemed compliant and no corrective actions necessary. All deficiencies were corrected in a timely manner.
- Four of the five deficient projects had one common issue: Maintenance staff managed the treatment systems as landscape features concerned only for their aesthetic appearance rather than functionality.
  - Two of the locations included areas of permeable pavers/pervious concrete where the areas were often cleaned by leaf blowers, but never with a vacuum. Permeability was measured using ASTM C1701 – *Infiltration Test for Permeable Concrete*. Permeability was low at the location with pervious concrete due to sediment accumulation/lack of maintenance. This location also has vegetation around the

<sup>4</sup> Based on the number of Regulated Projects in the database or tabular format at the end of the previous fiscal year, per MRP Provision C.3.h.ii.(6)(b).

concrete where any runoff from these low-permeability areas infiltrates the soil and remains onsite, thereby still achieving the goal of reducing runoff from this project.

- Permeability was moderate at the location with the pavers, but noted having excessive amounts of bark mulch in all landscaping including their bioretention treatment areas. During a heavy rainfall event the overflow drains became inundated with mulch and debris leading to obstructions in the street catch basins, causing the roadway to flood above the sidewalk which then mobilized/floated even more bark mulch from the landscaping into the street. This event was also reported as a C.5 Illicit Discharge. Mulch was removed from the subsurface piping/catch basins at the project and functionality of the bioretention areas was restored.
- The other two (2) locations were found to have sediment accumulation at the inlets for bioretention/swale treatment areas preventing/reducing inflow due to a lack of attention during routine maintenance – the vegetation was healthy and thriving, but runoff pooled outside the areas.
- The fifth location, a City property with media filters for treatment (constructed pre-MRP 2.0), required sediment and trash removal from the media filter vault and the catch basins with filters.
- Two projects do not have a Maintenance Agreement with the City for the O&M of their treatment devices. These projects were constructed prior to the current permit and unaware an agreement was required. Currently, the responsible parties are cooperating with the City and working towards completion of Maintenance Agreements for these properties that will be enforceable hereafter.

Compared with inspections last year, one commonality was that maintenance tasks were conducted on a regular basis, but did not address functionality of the treatment as originally designed. Last year, many locations were unaware landscape features were used for stormwater treatment whereas this year, most locations knew of the treatment areas, maintained the vegetation and removed trash, but neglected inlets and drains deemed not as important. One issue in previous years was identifying the appropriate contact responsible for treatment system maintenance, but that was not an issue this year as the City updated the contact information for all projects during the past year. Several locations lack an O&M agreement. The City will secure an agreement from each location as part of their next inspection.

Provide a discussion of the effectiveness of the O&M Program and any proposed changes to improve the O&M Program (e.g., changes in prioritization plan or frequency of O&M inspections, other changes to improve effectiveness program).

Summary:

In general, the O&M Program has been effective at achieving compliance with program objectives. City staff are more diligent in collecting O&M agreements from developers prior to allowing occupancy. Staff has revised the current template for O&M agreements used for regulated projects and require more detailed descriptions of maintenance tasks for the stormwater treatment systems.

**C.3.i. ► Required Site Design Measures for Small Projects and Detached Single Family Home Projects**

On an annual basis, discuss the implementation of the requirements of Provision C.3.i, including ordinance revisions, permit conditions, development of standard specifications and/or guidance materials, and staff training.

Summary:

BASMAA prepared standard specifications in four fact sheets regarding the site design measures listed in Provision C.3.i, as a resource for Permittees. We have modified local ordinances/policies/procedures and forms/checklists to require all applicable projects approved after December 1, 2012 to implement at least one of the site design measures listed in Provision C.3.i.

**C.3.j.i.(5).(b) ► Green Infrastructure Plan**

(For FY 2018-19 Annual Report only) Did your agency complete a Green Infrastructure Plan?

<input checked="" type="checkbox"/>	Yes, see link: <a href="http://www.cityofsanmateo.org/GIPlan">http://www.cityofsanmateo.org/GIPlan</a>	<input type="checkbox"/>	No
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If No, provide schedule for completion:

**C.3.j.i.(5).(c) ► Legal Mechanisms**

(For FY 2018-19 Annual Report only) Does your agency have legal mechanisms in place to ensure implementation of the Green Infrastructure Plan?

<input checked="" type="checkbox"/>	Yes, see attached documents or links provided below	<input type="checkbox"/>	No
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*If Yes, describe the legal mechanisms in place and the documents attached or links provided.*

As part of the GI Plan development process, the City of San Mateo has reviewed its existing policies, ordinances, and/or other legal mechanisms related to the implementation of stormwater NPDES permit requirements and found that it has sufficient legal authority to implement the GI Plan. Adoption (or acceptance) of the GI Plan by the City of San Mateo's City Council on 9/3/2019 has further strengthened this authority.

[Current municipal code related to Stormwater Treatment Facilities](#) is general enough to leverage development activities to assist the City with GI implementation while the City updates the *Stormwater Ordinance* to include compliance with the MRP and City development plans and policies requiring GI wherever feasible. The current stormwater municipal codes that can be used as legal mechanisms include:

- 7.39.120(d) "Compliance with Best Management Practices. Where best management practices guidelines or requirements have been adopted by the City for any activity, operation, or facility which may cause or contribute to stormwater pollution or contamination, illicit discharges, and/or discharge of non-stormwater to the stormwater system, every person undertaking such activity or operation, or owning or operating such facility shall comply with such guidelines or requirements (as may be identified by the Director of Public Works)."
- 7.39.210(a) "The Director may require that permanent stormwater treatment facilities be designed into projects."
- 7.39.220(a) "A facility owner can be: (1) the owner of the property on which the facility is installed; (2) a homeowners or property owners association; (3) the City."
- 7.39.220(c) "The ownership of the treatment facility and any necessary easements may be granted to the City, but only with the written consent and approval of the City."
- 7.39.230(a) "Responsibility and repair of all stormwater treatment facilities shall be the responsibility of the facility owner. The facility owner may transfer maintenance responsibility to the City, but only with the written consent of the City."
- 7.39.235 (a) No property that is required to install, operate, and maintain stormwater treatment facilities, or maintain parking lots, storm drain inlets, or other facilities for stormwater pollution prevention as specified in project conditions, shall be approved without first obtaining a Stormwater Management (SWM) permit from the Director of Public Works."

The City is in the process of updating the *Conditions of Approval* for new developments (non-regulated projects) requiring LID and GI treatment of runoff. The GI Plan will be coordinated with the next revision of the City's General Plan and other City plans as they come up for review, such as stormwater, bicycle and pedestrian transportation, and traffic.

If No, provide schedule for completion:

**C.3.j.i.(5)(d) ► Green Infrastructure Outreach**

On an annual basis, provide a summary of your agency’s outreach and education efforts pertaining to Green Infrastructure planning and implementation.

Summary:

- City staff participated in the four C.3 Green Infrastructure/New Development Committee meetings in FY 18-19
- City staff presented the GI Plan to the Sustainability and Infrastructure Commission on June 12, 2019, and July 10, 2019.
- City staff presented the GI Plan to City Council on September 3, 2019; and they approved the plan by adopting a Resolution.
- City staff attended the C.3 Workshop provided by the County on June 18, 2019

Please refer to SMCWPPP FY 2018/19 Annual Report for a summary of outreach efforts implemented at the countywide level.

**C.3.j.ii.(2) ► Early Implementation of Green Infrastructure Projects**

On an annual basis, submit a list of green infrastructure projects, public and private, that are already planned for implementation during the permit term and infrastructure projects planned for implementation during the permit term that have potential for green infrastructure measures. Include the following information:

- A summary of planning or implementation status for each public and private green infrastructure project that is not also a Regulated Project as defined in Provision C.3.b.ii. (see C.3.j.ii.(2) Table B - Planned Green Infrastructure Projects).
- A summary of how each public infrastructure project with green infrastructure potential will include green infrastructure measures to the maximum extent practicable during the permit term. For any public infrastructure project where implementation of green infrastructure measures is not practicable, submit a brief description of the project and the reasons green infrastructure measures were impracticable to implement (see C.3.j.ii.(2) Table A - Public Projects Reviewed for Green Infrastructure).

Background Information:

Describe how this provision is being implemented by your agency, including the process used by your agency to identify projects with potential for green infrastructure, if applicable.

Refer to BASMAA guidance on identifying and reviewing potential green infrastructure projects.

**C.3.j.iii.(2) and (3) ► Participate in Processes to Promote Green Infrastructure**

On an annual basis, report on the goals and outcomes during the reporting year of work undertaken to participate in processes to promote green infrastructure.  
*(For FY 2018-19 Annual Report only)* Submit a plan and schedule for new and ongoing efforts to participate in processes to promote green infrastructure. Revised Findings of Approval/Conditions of Approval for new developments that requires GI when feasible.

Please refer to SMCWPPP FY 2018/19 Annual Report for: 1) a summary of efforts conducted to help regional, State, and federal agencies plan, design and fund incorporation of green infrastructure measures into local infrastructure projects, including transportation projects; and 2) a plan and schedule for new and ongoing efforts to participate in processes to promote green infrastructure.



**C.3.j.iv.(2) and (3) ► Tracking and Reporting Progress**

On an annual basis, report progress on development and implementation of methods to track and report implementation of green infrastructure measures and provide reasonable assurance that wasteload allocations for TMDLs are being met.

*(For FY 2018-19 Annual Report only)* Submit the tracking methods used and report implementation of green infrastructure measures including treated area, and connected and disconnected impervious area on both public and private parcels within their jurisdictions.

Please refer to the SMCWPPP FY 2018/19 Annual Report for: 1) a summary of methods being developed to track and report implementation of green infrastructure measures; and 2) a report on green infrastructure measures implemented to date, including acres of impervious area (total and treated), countywide and by Permittee.

C.3 – New Development and Redevelopment

<b>C.3.b.iv.(2) ► Regulated Projects Reporting Table (part 1) – Projects Approved During the Fiscal Year Reporting Period</b>											
Project Name Project No.	Project Location <sup>5</sup> , Street Address	Name of Developer	Project Phase No. <sup>6</sup>	Project Type & Description <sup>7</sup>	Project Watershed <sup>8</sup>	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area (ft <sup>2</sup> ) <sup>9</sup>	Total Replaced Impervious Surface Area (ft <sup>2</sup> ) <sup>10</sup>	Total Pre-Project Impervious Surface Area <sup>11</sup> (ft <sup>2</sup> )	Total Post-Project Impervious Surface Area <sup>12</sup> (ft <sup>2</sup> )
<b>Private Projects</b>											
1, 2, 3 Waters Park (PA 18-013)	1, 2, 3 Waters Park Drive	Strada Investment Group	NA	Redevelop site with 190 for-sale units, including a mix of two-story detached single family residences and 3 to 4 story attached townhomes and flats.	San Francisco Bay	11.1	10	61,300	271,935	310,855	333,235
1650 S Delaware St (PA 17-066)	1650 S Delaware St	FCP South Delaware, LLC	NA	Redevelop site with a new 123,241 sf five-story 73-unit residential apartment building and an at-grade parking garage.	16 <sup>th</sup> Ave to Leslie Creek to San Francisco Bay	1.07	1.07	23,662	17,512	40,832	41,174
303 Baldwin Ave (PA 17-085)	303 Baldwin Ave	Prometheus Real Estate Group, Inc.	NA	Redevelop site with a new 131,636 4 and 5-story mixed-use building. 64 studio and 1-bedroom residential units, 1 level of commercial, 4 levels of office and 4 levels of underground parking.	San Mateo Creek	0.93	0.93	13,920	20,693	40,202	34,613

<sup>5</sup>Include cross streets

<sup>6</sup>If a project is being constructed in phases, indicate the phase number and use a separate row entry for each phase. If not, enter "NA".

<sup>7</sup>Project Type is the type of development (i.e., new and/or redevelopment). Example descriptions of development are: 5-story office building, residential with 160 single-family homes with five 4-story buildings to contain 200 condominiums, 100 unit 2-story shopping mall, mixed use retail and residential development (apartments), industrial warehouse.

<sup>8</sup>State the watershed(s) in which the Regulated Project is located. Downstream watershed(s) may be included, but this is optional.

<sup>9</sup>All impervious surfaces added to any area of the site that was previously existing pervious surface.

<sup>10</sup>All impervious surfaces added to any area of the site that was previously existing impervious surface.

<sup>11</sup>For redevelopment projects, state the pre-project impervious surface area.

<sup>12</sup>For redevelopment projects, state the post-project impervious surface area.

C.3 – New Development and Redevelopment

406 E 3 <sup>rd</sup> Ave (PA 18-043)	406 E 3 <sup>rd</sup> Ave; S Claremont St and E 3 <sup>rd</sup> Ave; S Railroad St and E 3 <sup>rd</sup> Ave	Windy Hill Property Ventures	NA	Redevelop site with a new mixed-use building. 103,731 sf of new office space, 25 residential units and 2 levels of underground parking.	San Mateo Creek	0.88	0.88	6,385	32,131	32,131	38,516
Monte Diablo Synagogue/Preschool (PA 16-088)	111, 113 and 115 Monte Diablo Ave	Chabad North Peninsula	NA	Redevelop site with a new 2-story preschool and synagogue with 1 level of underground parking.	San Mateo Creek	0.4	0.4	2,394	13,556	13,556	15,950
Essex at Central Park (PA 15-098)	E 5 <sup>th</sup> Ave & San Mateo Dr	Essex Property Trust	NA	Redevelop site with new 5-story mixed-use building. 7,000 sf of new office space, 80 residential units and 2 levels of residential/retail parking and 1 level of public parking.	Borel Creek	1.2	1.2	48,258	4,165	48,258	52,423
Hampton Inn & Suites (PA 16-060)	2946 S Norfolk St	United Pacific Hotel Group	NA	Redevelop site with new 5-story hotel structure	Pulgas Watershed	1.82	1.82	23,638	37,169	38,468	60,807
<b>Public Projects</b>											
WWTP Upgrade (PA 17-075)	2050 Detroit Dr	NA	NA	Wastewater Treatment Plant Upgrade – Modernization and expansion of the existing treatment facility, with approximately 164,000 sf of new structures	San Mateo Creek	17.84	17.84	206,300	0	549,300	693,600
Comments:											

**C.3.b.iv.(2) ► Regulated Projects Reporting Table (part 2) – Projects Approved During the Fiscal Year Reporting Period (private projects)**

Project Name Project No.	Application Deemed Complete Date <sup>13</sup>	Application Final Approval Date <sup>14</sup>	Source Control Measures <sup>15</sup>	Site Design Measures <sup>16</sup>	Treatment Systems Approved <sup>17</sup>	Type of Operation & Maintenance Responsibility Mechanism <sup>18</sup>	Hydraulic Sizing Criteria <sup>19</sup>	Alternative Compliance Measures <sup>20/21</sup>	Alternative Certification <sup>22</sup>	HM Controls <sup>23/24</sup>
<b>Private Projects</b>										
1, 2, 3 Waters Park (PA 18-013)	12/18/2018	2/19/2019	Stenciling of storm drain inlets; Landscaping; Floor drains and fire sprinklers to sanitary sewer	Direct runoff from roof and impervious areas to landscaping/vegetated areas; Conserve natural areas; Minimize impervious surfaces	Bioretention areas; Flow-through planters	O&M Agreement	2.c	None	No	Not required, out of HM required mapping zone.
1650 S Delaware St (PA 17-066)	7/27/2018	8/14/2018	Stenciling of storm drain inlets; Floor drains, covered parking spaces, and fire sprinklers to sanitary sewer; Landscaping; Enclosed and covered trash	Direct runoff from roof and impervious surfaces to landscaping/vegetated areas; Conserve natural areas; Minimize impervious surfaces; Self-treating areas	Flow-through planters	O&M Agreement	3	None	No	Not required, out of HM required mapping zone.

<sup>13</sup>For private projects, state project application deemed complete date. If the project did not go through discretionary review, report the building permit issuance date.

<sup>14</sup>For private projects, state project application final discretionary approval date. If the project did not go through discretionary review, report the building permit issuance date.

<sup>15</sup>List source control measures approved for the project. Examples include: properly designed trash storage areas; storm drain stenciling or signage; efficient landscape irrigation systems; etc.

<sup>16</sup>List site design measures approved for the project. Examples include: minimize impervious surfaces; conserve natural areas, including existing trees or other vegetation, and soils; construct sidewalks, walkways, and/or patios with permeable surfaces, etc.

<sup>17</sup>List all approved stormwater treatment system(s) to be installed onsite or at a joint stormwater treatment facility (e.g., flow through planter, bioretention facility, infiltration basin, etc.).

<sup>18</sup>List the legal mechanism(s) (e.g., O&M agreement with private landowner; O&M agreement with homeowners' association; O&M by public entity, etc...) that have been or will be used to assign responsibility for the maintenance of the post-construction stormwater treatment systems.

<sup>19</sup>See Provision C.3.d.i. "Numeric Sizing Criteria for Stormwater Treatment Systems" for list of hydraulic sizing design criteria. Enter the corresponding provision number of the appropriate criterion (i.e., 1.a., 1.b., 2.a., 2.b., 2.c., or 3).

<sup>20</sup>For Alternative Compliance at an offsite location in accordance with Provision C.3.e.i.(1), on a separate page, give a discussion of the alternative compliance site including the information specified in Provision C.3.b.v.(1)(m)(i) for the offsite project.

<sup>21</sup>For Alternative Compliance by paying in-lieu fees in accordance with Provision C.3.e.i.(2), on a separate page, provide the information specified in Provision C.3.b.v.(1)(m)(ii) for the Regional Project.

<sup>22</sup>Note whether a third party was used to certify the project design complies with Provision C.3.d.

<sup>23</sup>If HM control is not required, state why not.

<sup>24</sup>If HM control is required, state control method used (e.g., method to design and size device(s) or method(s) used to meet the HM Standard, and description of device(s) or method(s) used, such as detention basin(s), bioretention unit(s), regional detention basin, or in-stream control).

**C.3.b.iv.(2) ► Regulated Projects Reporting Table (part 2) – Projects Approved During the Fiscal Year Reporting Period (private projects)**

Project Name Project No.	Application Deemed Complete Date <sup>13</sup>	Application Final Approval Date <sup>14</sup>	Source Control Measures <sup>15</sup>	Site Design Measures <sup>16</sup>	Treatment Systems Approved <sup>17</sup>	Type of Operation & Maintenance Responsibility Mechanism <sup>18</sup>	Hydraulic Sizing Criteria <sup>19</sup>	Alternative Compliance Measures <sup>20/21</sup>	Alternative Certification <sup>22</sup>	HM Controls <sup>23/24</sup>
303 Baldwin Ave (PA 17-085)	12/18/18	1/08/19	Stenciling of storm drain inlets; Landscaping; Enclosed and covered trash	Direct runoff from roof and impervious surfaces to landscaping/vegetated areas; Conserve natural areas; Minimize impervious surfaces; Interceptor trees	Flow-through planters	O&M Agreement	2.c	None	No	Not required, out of HM required mapping zone.
406 E 3 <sup>rd</sup> Ave (PA 18-043)	5/02/2019	5/28/2019	Stenciling of storm drain inlets; covered parking spaces to sanitary sewer	N/A	Treatment measures to be determined during Building Permit Stage	O&M Agreement	Hydraulic Sizing Criteria to be determined during Building Permit Stage.	None	No	Not required, out of HM required mapping zone.
Monte Diablo Synagogue/Preschool (PA 16-088)	8/17/18	8/28/18	Stenciling of storm drain inlets; covered parking spaces and fire sprinklers to sanitary sewer	Direct runoff from roof and impervious surfaces to landscaping/vegetated areas; Interceptor Trees; Self-retaining areas	Bio-retention areas	O&M Agreement	2.c	None	No	Not required, out of HM Mapping zone.
Essex at Central Park (PA 15-098)	8/14/18	8/28/18	Stenciling of storm drain inlets; Floor drains, covered parking spaces, and fire sprinklers to sanitary sewer; Landscaping; Enclosed and covered trash	Maximize permeability through clustering development	Bio-retention area	O&M Agreement	2.c	None	No	Not required, out of HM Mapping zone.

**C.3.b.iv.(2) ► Regulated Projects Reporting Table (part 2) – Projects Approved During the Fiscal Year Reporting Period (private projects)**

Project Name Project No.	Application Deemed Complete Date <sup>13</sup>	Application Final Approval Date <sup>14</sup>	Source Control Measures <sup>15</sup>	Site Design Measures <sup>16</sup>	Treatment Systems Approved <sup>17</sup>	Type of Operation & Maintenance Responsibility Mechanism <sup>18</sup>	Hydraulic Sizing Criteria <sup>19</sup>	Alternative Compliance Measures <sup>20/21</sup>	Alternative Certification <sup>22</sup>	HM Controls <sup>23/24</sup>
Hampton Inn & Suites (PA 16-060)	7/24/18	8/20/18	Stenciling of storm drain inlets; Enclosed and covered trash; Process activities and miscellaneous drain/wash water to sanitary sewer; Adequate material storage	Direct runoff from roof and impervious surfaces to landscaping/vegetated areas	Bio-retention areas and flow-through planters	O&M Agreement	2.c	None	No	Not required, out of HM Mapping Zone.

**C.3.b.iv.(2) ► Regulated Projects Reporting Table (part 2) –  
 Projects Approved During the Fiscal Year Reporting Period  
 (public projects)**

Project Name Project No.	Approval Date <sup>25</sup>	Date Construction Scheduled to Begin	Source Control Measures <sup>26</sup>	Site Design Measures <sup>27</sup>	Treatment Systems Approved <sup>28</sup>	Operation & Maintenance Responsibility Mechanism <sup>29</sup>	Hydraulic Sizing Criteria <sup>30</sup>	Alternative Compliance Measures <sup>31/32</sup>	Alternative Certification <sup>33</sup>	HM Controls <sup>34/35</sup>
<b>Public Projects</b>										
WWTP Upgrade (PA 17-075)	7/16/2018	September 2019	All on-site stormwater runoff to be collected and pumped to the treatment plant to sanitary sewer.	All on-site stormwater runoff to be collected and pumped to the treatment plant to sanitary sewer.	Wastewater Treatment Plant	None	N/A	None	No	Not required, out of HM Mapping Zone.
Comments:										

<sup>25</sup>For public projects, enter the plans and specifications approval date.

<sup>26</sup>List source control measures approved for the project. Examples include: properly designed trash storage areas; storm drain stenciling or signage; efficient landscape irrigation systems; etc.

<sup>27</sup>List site design measures approved for the project. Examples include: minimize impervious surfaces; conserve natural areas, including existing trees or other vegetation, and soils; construct sidewalks, walkways, and/or patios with permeable surfaces, etc.

<sup>28</sup>List all approved stormwater treatment system(s) to be installed onsite or at a joint stormwater treatment facility (e.g., flow through planter, bioretention facility, infiltration basin, etc.).

<sup>29</sup>List the legal mechanism(s) (e.g., maintenance plan for O&M by public entity, etc.) that have been or will be used to assign responsibility for the maintenance of the post-construction stormwater treatment systems.

<sup>30</sup>See Provision C.3.d.i. "Numeric Sizing Criteria for Stormwater Treatment Systems" for list of hydraulic sizing design criteria. Enter the corresponding provision number of the appropriate criterion (i.e., 1.a., 1.b., 2.a., 2.b., 2.c., or 3).

<sup>31</sup>For Alternative Compliance at an offsite location in accordance with Provision C.3.e.i.(1), on a separate page, give a discussion of the alternative compliance site including the information specified in Provision C.3.b.v.(1)(m)(i) for the offsite project.

<sup>32</sup>For Alternative Compliance by paying in-lieu fees in accordance with Provision C.3.e.i.(2), on a separate page, provide the information specified in Provision C.3.b.v.(1)(m)(ii) for the Regional Project.

<sup>33</sup>Note whether a third party was used to certify the project design complies with Provision C.3.d.

<sup>34</sup>If HM control is not required, state why not.

<sup>35</sup>If HM control is required, state control method used (e.g., method to design and size device(s) or method(s) used to meet the HM Standard, and description of device(s) or method(s) used, such as detention basin(s), bioretention unit(s), regional detention basin, or in-stream control).

**C.3.h.v.(2). ► Table of Newly Installed<sup>36</sup> Stormwater Treatment Systems and Hydromodification Management (HM) Controls (Optional)**

Fill in table below or attach your own table including the same information.

Name of Facility	Address of Facility	Party Responsible <sup>37</sup> For Maintenance	Type of Treatment/HM Control(s)
California Water Service - Bayshore Operations Center	341 N. Delaware St.	California Water Service	Bioretention/permeable pavers
Promenade Townhomes	220 N. Bayshore Townhomes	Promenade Townhomes HOA	Bioretention

<sup>36</sup> "Newly Installed" includes those facilities for which the final installation inspection was performed during this reporting year.

<sup>37</sup> State the responsible operator for installed stormwater treatment systems and HM controls.



C.3.e.v.Special Projects Reporting Table												
Reporting Period – July 1 2018 - June 30, 2019												
Project Name & No.	Permittee	Address	Application Submittal Date <sup>38</sup>	Status <sup>39</sup>	Description <sup>40</sup>	Site Total Acreage	Gross Density DU/Acre	Density FAR	Special Project Category <sup>41</sup>	LID Treatment Reduction Credit Available <sup>42</sup>	List of LID Stormwater Treatment Systems <sup>43</sup>	List of Non-LID Stormwater Treatment Systems <sup>44</sup>
1650 S Delaware St (PA 17-066)	City of San Mateo	1650 S Delaware St	12/4/2017	Approved 8/14/2018	Redevelop site with a new 123,241 sf five-story 73-unit residential apartment building and an at-grade parking garage.	1.07	68	2.67	Category A: N/A Category B: N/A Category C: Yes Location: Within ¼ mile of transit hub – 50% Density: 68 dwelling units per acre – 20% Parking: No surface	Category A: N/A Category B: N/A Category C: Yes Location: Within ¼ mile of transit hub – 50% Density: 68.2 dwelling units per acre – 20% Parking: No surface parking – 20%	Flow-through planters (12%)	Media Filter (88%). The project has not chosen a specific media filter at this time. The product will meet the flow requirements of the manufacturer as well as meet the certification requirements of the Washington

<sup>38</sup>Date that a planning application for the Special Project was submitted.

<sup>39</sup> Indicate whether final discretionary approval is still pending or has been granted, and provide the date or version of the project plans upon which reporting is based.

<sup>40</sup>Type of project (commercial, mixed-use, residential), number of floors, number of units, type of parking, and other relevant information.

<sup>41</sup> For each applicable Special Project Category, list the specific criteria applied to determine applicability. For each non-applicable Special Project Category, indicate n/a.

<sup>42</sup>For each applicable Special Project Category, state the maximum total LID Treatment Reduction Credit available. For Category C Special Projects also list the individual Location, Density, and Minimized Surface Parking Credits available.

<sup>43</sup>: List all LID stormwater treatment systems proposed. For each type, indicate the percentage of the total amount of runoff identified in Provision C.3.d. for the Special Project’s drainage area.

<sup>44</sup>List all non-LID stormwater treatment systems proposed. For each type of non-LID treatment system, indicate: (1) the percentage of the total amount of runoff identified in Provision C.3.d. for the Special Project’s drainage area, and (2) whether the treatment system either meets minimum design criteria published by a government agency or received certification issued by a government agency, and reference the applicable criteria or certification.

									parking – 20%			n State TAPE program at the time of building permit.
303 Baldwin Ave Mix Use (PA 17-085)	City of San Mateo	303 Baldwin Ave	12/15/2017	Approved 1/8/2019	Redevelop site with a new 131,636 sq ft and 5-story mixed-use building. 64 studio and 1-bedroom residential units, 1 level of commercial, 4 levels of office and 4 levels of underground parking.	0.93	68	3.26	Category A: N/A Category B: N/A Category C: Yes Location: Within ¼ mile of transit hub – 50% Density: 68 dwelling units per acre – 20% Parking: No surface parking – 20%	Category B: N/A Category C: Yes Location: Within ¼ mile of transit hub – 50% Density: 68 dwelling units per acre – 20% Parking: No surface parking – 20%	Flow-through planters (12%)	Media Filter (88%). The project has not chosen a specific media filter at this time. The product will meet the flow requirements of the manufacturer as well as meet the certification requirements of the Washington State TAPE program at the time of building permit.
406 E 3rd Ave (PA 18-043)	City of San Mateo	406 E 3rd Ave; S Clarent St and E 3rd Ave; S Railroad	8/9/2018	Approved 5/28/2019	Redevelop site with a new 103,731 sq ft of office space, 25 residential units and 2	0.88	28.3	3.1	Category A: N/A Category B: N/A Category C: Yes Location:	Category A: N/A Category B: N/A Category C: Yes Location:	20%. Treatment measure to be determined during Building	Media Filter (80%). The project has not chosen a specific media filter at this time. The

		St and E 3 <sup>rd</sup> Ave			levels of underground parking				Within ¼ mile of transit hub – 50% Density: 3.1 FAR – 10% Parking: No surface parking – 20%	Within ¼ mile of transit hub – 50% Density: 3.1 FAR – 10% Parking: No surface parking – 20%	Permit stage.	product will meet the flow requirements of the manufacturer as well as meet the certification requirements of the Washington State TAPE program at the time of building permit.
Essex at Central Park (PA 15-098)	City of San Mateo	E 5 <sup>th</sup> Ave and San Mateo Dr	12/01/15	Approved 8/28/18	Redevelop site with new 5-story mixed-use building. 7,000 sf of new office space, 80 residential units and 2 levels of residential/retail parking and 1 level of public parking.	1.2	67	2.3	Category A: N/A Category B: N/A Category C: Yes Location: Within ¼ mile of transit hub – 50% Density: 67 dwelling units per acre – 20% Parking: No surface	Category A: N/A Category B: N/A Category C: Yes Location: Within ¼ mile of transit hub – 50% Density: 67 dwelling units per acre – 20% Parking: No surface parking – 20%	Bio-Retention Area (10%)	Media Filter (90%). The project has not chosen a specific media filter at this time. The product will meet the flow requirements of the manufacturer as well as meet the certification requirements of the Washington

Permittee Name: City of San Mateo

									parking – 20%			n State TAPE program at the time of building permit.
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**Special Projects Narrative (4):**

**Project: 1650 S Delaware St**

The proposed development is located in a zone for transit-oriented development, roughly a quarter mile from the Hayward Park Caltrain Station. The project qualifies for Special Project C, and meets requirements to allow 90% of the stormwater to be treated by non-LID methods.

The Countywide Program's infiltrating/harvesting and use feasibility screening studies were completed, and the study concluded that 90% of the onsite treatment may be performed by a mechanical treatment device. The proposed building footprint covers roughly 81% (37,600+/- sf) of the property and includes five stories for residential space. The remaining 19% (8,800+/- sf) of the at-grade surface is reserved for necessary impervious improvements, such as walkways, utility pads, vaults, and driveways. Because the at-grade surface is constrained for space, the team explored options for green roof installation. The building's patio areas and roof incorporate landscaping to minimize runoff from exposed building surfaces. To address the spatial constraint of the site, 86% of the site is addressed with non-LID treatment, while the rest will be treated with LID measures. A mechanical media filter will be installed along the building frontage facing S Delaware Street, and flow-through planters will be installed adjacent to the doors on the podium level.

**Project: 406 E 3<sup>rd</sup> Ave**

Developer proposes to redevelop an existing 0.9-acre lot into a mixed use 4-story office and residential building. The development is located along the frontages of South Railroad Avenue, E. 3rd Avenue and South Claremont Street. The proposed development qualifies as a "Special Project" Category "A" small infill project per the Special Projects Worksheet of the San Mateo Countywide Water Pollution Prevention Program (June 2016). As such the project is suitable for 100% non-LID stormwater treatment measures for stormwater treatment. The project will use two underground media filtration units for stormwater treatment of the entire site.

The following narrative explains the infeasibility of treating the stormwater runoff generated by the impervious area on site by Low Impact Development (LID) measures. These options are limited to infiltration, rainwater harvesting, evapotranspiration and/or biotreatment. The project was then reviewed to evaluate the possibility of providing any LID treatment feasible and their possible implementation into the design.

1. Permeable Pavement:

The at-grade concrete areas are on top of the underground parking structure. The underlying soils are mostly silty clay and do not support the use of permeable pavements.

2. LID treatment on balcony or terrace areas:

Treatment on the balcony and terrace areas was found infeasible due to the following reasons:

- a) The presence of rooftop mechanical equipment serving the building limits available space for flow through planters.
- b) There is a substantial compromise to the project for addition of treatment planters to the terraces. The result is that the columns supporting the terrace have to be transferred with very large beams. The size of these transfer beams directly relates to the amount of load supported by the columns, and to increase load for LID treatment would increase the beam size. This increased beam size would result in a lower head clearance below market standards. In addition, the plumbing connections to the planter are prohibited due to the occupied space below.

c) There is a need for future mechanical equipment in the excess balcony space open for treatment .

3. Green roof:

A green roof was found infeasible due to the following reasons:

- a) The presence of photovoltaic panels that would serve the building significantly limits the available space for any rooftop vegetated surfaces.
- b) The need to locate mechanical equipment in this area. Unlike a typical roof configuration where equipment is located above a flat roof, the large depressions does not allow for the green roof. The depressions are only for mechanical units and would not be able to accommodate green roof material below them. This would restrict accessibility to the units for routine maintenance.

4. Feasibility/Infeasibility of Off-site LID Treatment:

The possibility of providing off-site LID treatment was found to be infeasible for the following reasons.

a) Offsite Opportunities:

No additional property within the same watershed is owned by the project proponent. LID treatment in the public right of way adjacent to the project is infeasible for the following reasons:

- Inadequate size to accommodate biotreatment facilities that meet sizing requirements for the tributary area .
- Conflict with subsurface utilities.
- Open landscape areas are not at the low points of the street which do not allow impervious areas to discharge into a treatment pond.

b) In-lieu Mitigation

There is no known regional LID storm water mitigation program available for in-lieu C.3 compliance.

**Project: 303 Baldwin Ave**

The San Mateo County Wide Water Pollution Prevention Program C.3 Requirements describes improvements that project can qualify to be under Special Projects which allow LID reduction credit (%) if the site meets ALL of the Special Project Characteristics in Category A, B, or C. This site meets ALL of the criteria in Category "C", as listed below (Reference Appendix J – SMCWPPP C.3 Stormwater Technical Guidance).

1. Be characterized as a non auto-related land use project
2. If a commercial or mixed-use development project, achieve at least an FAR of 2:1
3. If a residential development project, achieve at least a density of 25 DU/Ac

The total LID reduction that applies to this site is considered to be as followed (Reference Tables J-2, J-3, and J-4; Appendix J – SMCWPPP C.3 Stormwater Technical Guidance).

1. 50% or more of the project site is located within a ¼ radius of an existing or planned transit hub (50% credit)
2. Residential Density > 60units/acre (20% credit)
3. No surface parking (20% credit)

Total = 90% reduction

To achieve 100% treatment, we propose in-line treatment facilities to treat 90% of the runoff and the remaining 10% with tree credits as well as flow through planters. An additional 50 square feet of flow through planters is provided as an effort to maximize the use LID BMPs before resorting to mechanical treatment. The objective of the in-line treatment facilities and most stormwater quality treatment facilities, is to treat the first flush events and subsequent collected stormwater roof drainage. Although these BMP's are non-LID treatment facilities, the in-line units will provide a high standard of stormwater runoff treatment for first flush events. In-line treatment facilities are known to provide continuous treatment of pollutants such as total suspended solids, free oils, and nutrients year round, regardless of the flow rate.

This project has been designed to accommodate a larger public sidewalk and a building footprint that encompasses a large portion of the parcel to maximize space in the downtown core area for tenant use, typical of many downtown buildings. The ground floor open space is being used for street furniture, trees, and doorway landings with walkways necessary for access.

The proposed improvements will provide a significant upgrade to the water quality of the stormwater runoff as compared to the existing site. After selection of the in-line units, technical papers and data will be provided to the city that detail their excellent capability.

**Project: Essex at Central Park**

The proposed development is located in a central business district, within a quarter mile of the San Mateo Caltrain station. The project qualifies for Special Project C, and meets requirements to allow 90% of the stormwater to be treated by non-LID methods.

The Countywide Program's infiltrating/harvesting and use feasibility screening studies were completed, and the study concluded that 90% of the onsite treatment may be performed by a mechanical treatment device. The proposed building footprint covers roughly 86% (41,708+/- sf) of the property and includes five stories for residential, commercial space, and underground garage basement. The remaining 14% (6,549+/- sf) of the at-grade surface is reserved for the City as a Public Access Easement (PAE), or is utilized for necessary impervious improvements, such as walkways, utility pads, vaults, and driveways. To address the spatial constraint of the site, 86% of the site will be addressed with non-LID treatment, while the rest will be treated with LID measures. A mechanical media filter will be along the sidewalk on South San Mateo Drive adjacent to the property line and a bioretention area will be installed in the residential building's podium level are used to support stormwater treatment and runoff.

**C.3.j.ii.(2) ► Table A - Public Projects Reviewed for Green Infrastructure**

Project Name and Location <sup>45</sup>	Project Description	Status <sup>46</sup>	GI Included? <sup>47</sup>	Description of GI Measures Considered and/or Proposed or Why GI is Impracticable to Implement <sup>48</sup>
Citywide Street Rehabilitation	Perform annual street rehabilitation on our roadway system.	Ongoing Project	TBD	This project is a continually funded maintenance project that sets aside a certain amount annually for localized repairs. The City is considering practical locations for GI and will install where feasible and funding is available.
Citywide Traffic Calming	This project is for the development and implementation of the Citywide traffic calming program (known as the Neighborhood Traffic Management Program or NTMP), and for installation of traffic calming devices.	Ongoing Project	TBD	This project is a continually funded maintenance project that sets aside a certain amount annually for localized repairs only and is not practical for incorporating GI.
Bay To Transit Trail Phase I	To provide a Class I bicycle and pedestrian shared use path that would connect the San Francisco Bay Trail to the Hayward Park Caltrain Station.	Currently in Design	TBD	Potential bioretention.
Hillsdale / US 101 Bridge Overcrossing	Construction of a new pedestrian and bicycle overcrossing (bridge) over US	Preliminary Design Created	TBD	Potential bioretention.

<sup>45</sup> List each public project that is going through your agency's process for identifying projects with green infrastructure potential.

<sup>46</sup> Indicate status of project, such as: beginning design, under design (or X% design), projected completion date, completed final design date, etc.

<sup>47</sup> Enter "Yes" if project will include GI measures, "No" if GI measures are impracticable to implement, or "TBD" if this has not yet been determined.

<sup>48</sup> Provide a summary of how each public infrastructure project with green infrastructure potential will include green infrastructure measures to the maximum extent practicable during the permit term. If review of the project indicates that implementation of green infrastructure measures is not practicable, provide the reasons why green infrastructure measures are impracticable to implement.



	101 at the Hillsdale Boulevard Interchange.			
25th Avenue Grade Separation	The purpose of this project is to improve safety along the Caltrain corridor by eliminating the at-grade rail crossing on 25th Avenue. This project will raise the tracks sufficiently to allow for construction of the grade crossings at 28th and 31st avenues.	In Construction.	No	This project is funded by multiple agencies and subject to funding restrictions; also, this project had already started construction when GI considerations were put forth.
Bermuda Drive Bridge Replacement	Replacement the existing two-lane single span bridge that does not meet the current structural requirements. Upon completion of the proposed project, the Bermuda Drive – Fiesta Channel Bridge will no longer be classified as “Structurally Deficient” in the Caltrans bridge inspection report.	Currently in Environmental Review Phase	TBD	Potential planter strip.
Wastewater Treatment Plant Upgrade	Construction of new wastewater treatment plant adjacent the existing plant. The new plant will reuse portions of the existing plant for 100% stormwater capture and treatment.	In Construction	TBD	Potential bioretention
Underground Flow Equalization System		Currently in Design	TBD	Potential bioretention.

<b>C.3.j.ii.(2) ► Table B - Planned and/or Completed Green Infrastructure Projects</b>			
<b>Project Name and Location<sup>49</sup></b>	<b>Project Description</b>	<b>Planning or Implementation Status</b>	<b>Green Infrastructure Measures Included</b>
San Mateo Drive Sustainable Streets	Implementation of the Sustainable Streets Plan project recommendation for San Mateo Drive.	Currently in Design.	This project includes plans to install green street features on San Mateo Drive.
Green Infrastructure Plan	In order to comply with the Municipal Regional Permit (MRP 2.0), the City is required to develop a Green Infrastructure Plan. The Plan will be a guideline for the installation of stormwater management infrastructure in the public right of way.	Completed Workplan to guide Green Infrastructure Plan development. GI Plan Approved by City Council September 3, 2019.	GI Plan includes reference to the GI Design Guide for appropriate measures for any given location
4th and Fremont Green Infrastructure Improvement	Replacing sidewalk, curb and ramps, installing bioretention bulb-outs on NW and SW corners. Project has been expanded to include bulb-outs at two more intersections on Delaware St at the NE and SE corners of E. 4 <sup>th</sup> and E. 9 <sup>th</sup> Avenues.	Currently in Design.	This project includes plans to install bioretention in the curb extension at 4th and Fremont.
Delaware St Bike Lane and Streetscape Improvement Proj	Improvements to street to foster more biking street, traffic	Construction completed 2014	Streetscape has bioretention swales with curb cuts on both sides of Delaware. Includes a curb extension at 16 <sup>th</sup> Ave

<sup>49</sup> List each planned (and expected to be funded) public and private green infrastructure project that is not also a Regulated Project as defined in Provision C.3.b.ii. Note that funding for green infrastructure components may be anticipated but is not guaranteed to be available or sufficient.

**FY 2018-2019 Annual Report**  
**Permittee Name: City of San Mateo**

**C.3 – New Development and Redevelopment**

	signage and striping, lighting, landscape, and irrigation		
Laurel Elementary School Safe Routes to School	GI elements were integrated into the design to manage runoff and prevent flooding near the school.	Construction completed 2015	Curb extensions at the intersection
Poplar Corridor Safety Improvement Project	Improvements to intersection of Poplar at Hwy 101 off-ramp/on-ramp and traffic corridor to Humbolt St. Additional enhancements on Humboldt St between Peninsula and Poplar Avenues.	Construction completed 2016	Bioretention bulb-outs and curb extension at the intersection of Humbolt St and College Ave. Additional curb extensions (2) constructed mid-block on Humbolt in front of the Superior Court.
North Central Pedestrian Improvements Project	Improvements at three (3) intersections in the North Central neighborhood for pedestrian safety	Construction completed 2017	Bioretention bulb-outs constructed on all four corners at three (3) intersections in the North Central neighborhood: Monte Diablo/N Humboldt & Monte Diablo/N Delaware St & Cypress/N Humboldt.

Section 4 – Provision C.4 Industrial and Commercial Site Controls

**Program Highlights and Evaluation**

**Highlight/summarize activities for reporting year:**

Summary:

- The City performed 124 Stormwater inspections at 106 commercial and industrial facilities during FY 2018-2019.
- Inspectors received on-the-job training when opportunities were available. Training included shadowing on inspections, studying best management practices, review of the enforcement response and business inspection plans. The City will continue to train its staff in FY 2019-2020 and will work with SMCWPPP and the Bay Area Stormwater Management Agencies Association (BASMAA) on pertinent regional inspector training.
- Throughout the year, City inspectors identify new businesses and closures while in the field, as a primary means of identifying new businesses and keeping the inventory list current. Furthermore, at the start of each year, City inspectors update the inventory of all pertinent businesses within the City’s jurisdiction by cross referencing it with a current list of Business Tax Certificates provided by our Finance Department. Initial inspections of new businesses in FY 2018-19 resulted in the confirmation of 43 new businesses and de-listing 23 businesses from the Facilities List.
- City staff actively participate in the SMCWPPP Commercial, Industrial, and Illicit Discharge (CIL) subcommittee.

Please refer to the C.4. Industrial and Commercial Site Controls section of the SMCWPPP FY 18-19 Annual Report for a description of activities of the Countywide program.

**C.4.b.iii ► Potential Facilities List (i.e., List of All Facilities Requiring Stormwater Inspections)**

List below or attach your list of industrial and commercial facilities in your Inspection Plan to inspect that could reasonably be considered to cause or contribute to pollution of stormwater runoff.

See Attachment 1 (Business Inspection List for FY 19-20)

**C.4.d.iii.(2)(a) & (c) ► Facility Inspections**

Fill out the following table or attach a summary of the following information. Indicate your reporting methodology below.

<input checked="" type="checkbox"/>	Permittee reports multiple discrete potential and actual discharges at a site as one enforcement action.
<input type="checkbox"/>	Permittee reports the total number of discrete potential and actual discharges on each site.
<b>Number</b>	
Total number of inspections conducted (C.4.d.iii.(2)(a))	
124	
Violations, enforcement actions, or discreet number of potential and actual discharges resolved within 10 working days or otherwise deemed resolved in a longer but still timely manner (C.4.d.iii.(2)(c))	
31	

Comments:

- The total number of inspections conducted includes Follow-Up inspections at facilities where an enforcement action was issued. Enforcement actions reported are facilities where an actual or potential discharge was observed or where non-compliance with a previous enforcement action resulted in an escalation of enforcement.

All enforcement actions resulted in compliance within 10 working days or an otherwise timely manner. The City performed all follow-up inspections in a timely manner.

**C.4.d.iii.(2)(b) ► Frequency and Type of Enforcement Conducted**

Fill out the following table or attach a summary of the following information.

	Enforcement Action (as listed in ERP) <sup>50</sup>	Number of Enforcement Actions Taken
Level 1	Verbal/Written Warning	24
Level 2	Notice of Violation / Compliance Meeting	6
Level 3	Failure to Comply / Cost Recovery / Administrative Citation / Compliance Order	1
Level 4	Administrative Civil Penalty / Criminal Penalty / Injunctive Relief	0
<b>Total</b>		<b>31</b>

**C.4.d.iii.(2)(d) ► Frequency of Potential and Actual Non-stormwater Discharges by Business Category**

Fill out the following table or attach a summary of the following information.

Business Category <sup>51</sup>	Number of Actual Discharges	Number of Potential Discharges
Food Service Facilities	1	9
Automotive Services	1	7
Grocery and Retail Markets	0	10
Bldg Trades Facilities/Yards; Corp Yards	0	3

**C.4.d.iii.(2)(e) ► Non-Filers**

List below or attach a list of the facilities required to have coverage under the Industrial General Permit but have not filed for coverage:

One facility, identified in past annual reports, was the only facility in the City identified as a non-filer during scheduled inspections for fiscal year 2018-2019: **ABC Chauffeured Limousines, 15 S. Bayshore Blvd, San Mateo, CA 94401, SIC Code: 4119.**

<sup>50</sup>Agencies to list specific enforcement actions as defined in their ERPs.

<sup>51</sup>List your Program's standard business categories.

Note: In a letter dated March 28, 2019, the Water Board notified ABC Chauffeured Limousines that their facility required coverage under the Industrial General Permit and to file the required Permit Registration Documents.

**C.4.e.iii ► Staff Training Summary**

Training Name	Training Dates	Topics Covered	No. of Industrial/ Commercial Site Inspectors in Attendance	Percent of Industrial/ Commercial Site Inspectors in Attendance	No. of IDDE Inspectors in Attendance	Percent of IDDE Inspectors in Attendance
In House: On-the job Stormwater Training	Ongoing	<ul style="list-style-type: none"> <li>Shadowing on field inspections.</li> <li>Document review.</li> <li>Illicit discharge reporting and tracking.</li> <li>Database and data entry training.</li> </ul>	2	100%	2	100%
In House: Review recent agency references / guidance	Ongoing / As needed	<ul style="list-style-type: none"> <li>CASQA BMP Handbook</li> <li>Updates in the C.3 Technical Guidance</li> <li>GI Design Guide 2019</li> <li>State General permits (Construction, Industrial, list of NOI filers)</li> </ul>	2	100%	2	100%
In House: Review of City references / guidance	Ongoing / As needed	<ul style="list-style-type: none"> <li>Business Inspection Plan</li> <li>Enforcement Response Plan</li> <li>SOPs (data management, permitting,</li> </ul>	2	100%	2	100%
C.3 Workshop: GI Guidance & Stormwater Controls for Regulated Projects	6/18/2019	<ul style="list-style-type: none"> <li>Introduction of new GI Design Guide 2019</li> <li>Review of updated C.3 Technical Guidance</li> <li>issues for new and existing buildings related to trash/litter</li> </ul>	2	100%	2	100%
<p>Comments:                      During FY 2018/2019, SMCWPPP did not offer an Inspectors Training Workshop on conducting stormwater inspections at commercial/industrial facilities (C.4). The two Industrial/Commercial inspectors participated in all in-house trainings. The C.3 Workshop on 6/18/19 was attended by the two inspectors as well as 11 additional city staff including 3 construction inspectors also referenced in Section C.6. The remaining staff (8) were Planning and Engineering members who are involved in the planning/permitting review of new developments.</p>						

Section 5 – Provision C.5 Illicit Discharge Detection and Elimination

**Program Highlights and Evaluation**  
**Highlight/summarize activities for reporting year:**

Provide background information, highlights, trends, etc.

Summary:

- 90 Illicit Discharges were investigated during FY 18-19. All but 1 of the illicit discharges were resolved in a timely manner. The one discharge not resolved in a timely manner was an actual discharge from an office building via their combined stormwater and groundwater dewatering system. The discharge is discussed in more detail below.
- The City of San Mateo tested and incorporated a new data-keeping system for “paperless” tracking of Illicit Discharge Complaints, investigations, and enforcements. Full implementation and use of this system was planned for FY 18-19. But the system did not meet expectations and program needs and rather than continue dual-tracking discharge complaints, the City elected to stop using the new system altogether and currently track Illicit discharges using the SMCWPPP-provided spreadsheet.
- The City of San Mateo Clean Water Program continues to inspect and rehabilitate portions of the collection system where infiltration and inflow (I/I) occur or where increased capacity is needed.
- During FY 18-19, the Basin 1A project installed more than 4,000 feet of new pipe, increasing capacity and repairing pipe defects, thereby reducing the potential for sewer overflows. The City has begun construction on the Basin 1B project that will rehabilitate/replace and increase capacity for 9,340 feet of the collection system. During FY 19-20, the City will also begin construction on the Basin 4 project that will rehabilitate and replace additional collection system piping.
- The City participated in the SMCWPPP Commercial, Industrial, and Illicit Discharge (CII) Subcommittee during FY 18-19.

Please refer to the C.5 Illicit Discharge Detection and Elimination section of the SMCWPPP FY 18-19 Annual Report for description of activities at the countywide or regional level.

**C.5.c.iii ► Complaint and Spill Response Phone Number**

No changes made in FY 2018/2019.  
 Our hotline number is (650) 522-7300. The number is published on the City website where users can also choose to report spills/incidents online.

**C.5.d.iii.(1), (2), (3) ► Spill and Discharge Complaint Tracking**

Spill and Discharge Complaint Tracking (fill out the following table or include an attachment of the following information)

	Number
Discharges reported (C.5.d.iii.(1))	90
Discharges reaching storm drains and/or receiving waters (C.5.d.iii.(2))	31
Discharges resolved in a timely manner (C.5.d.iii.(3))	89

Comments:

Environmental Compliance staff investigate and follow-up with all reports of illicit discharges. Inspectors document and report all incidents and complaints regardless of whether they are substantiated during investigation or if no evidence of a discharge is found. If a discharge cannot be corroborated in the field, the “cause of discharge” is identified as “nothing found to abate” in the database and for reporting. 23 out of the 90 reports received were unsubstantiated, and 67 were actual or potential discharges.

All but one of the 67 actual or potential discharges were resolved in a timely manner. The actual discharge that was not resolved in a timely manner was a domestic waste discharge from an office building via the combined stormwater and groundwater dewatering system for the underground parking garage. A repair to building plumbing resulted in a cross-connection where a kitchen sink in an office breakroom discharged to the dewatering system. The discharge occurred during periods of wet weather which confounded the problem and delayed identifying the source. Enforcement escalated from a Notice of Violation to a Citation during the investigation. After multiple visits by plumbers over an 18-day period, the cross-connection was located and repaired. Dye-testing and follow-up visits confirmed building plumbing was properly repaired and no discharges observed during dry weather.

**C.5.e.iii.(2) ► Control of Mobile Sources**

(a) Provide changes to your agency’s minimum standards and BMPs for each of the various types of mobile businesses since the 2017 Annual Report (C.5.e.iii.(2)(a))

The City of San Mateo follows the minimum standards and BMPs described in the “Best Management Practices for Mobile Businesses” fact sheet recently updated by the SMCWPPP CII Subcommittee in April 2019 for the following mobile business categories: automobile washers/detailers, power washers, carpet cleaners, steam cleaners, pet care services. The format of the fact sheet was updated but there have been no changes to the BMPs since the 2017 Annual Report.

(b) Provide changes to your agency’s enforcement strategy for mobile businesses (C.5.e.iii.(2)(b))

The City of San Mateo has not changed their enforcement strategy for mobile businesses. They are documented in the same tracking database as all other illicit discharges are reported, but with a distinction the source was a mobile business. When possible, the City responds to complaints of this nature in a timely manner to increase the likelihood of addressing the mobile business directly and issuing them an enforcement action if appropriate. If the business has departed, the City will attempt to contact the mobile business and if no response, may issue an enforcement action to the property/vehicle owner identifying them as the responsible party for the discharge and remediation if needed.

Since FY 2013/14 SMCWPPP’s enforcement strategy has been to track mobile business enforcement actions from SMCWPPP permittees in a table available on the SMCWPPP CII members only webpage. The City will input any information collected for a mobile business to this tracking table to share with SMCWPPP permittees as a reference should they encounter the same business in their own jurisdiction. This will support issuing higher levels of enforcement actions if a mobile business continues to perform their work without proper BMPs after being told. The tracking table is periodically updated. City inspectors review this table when responding to reports of an illicit discharge from a mobile business.



(c) Provide minimum standards and BMPs developed for additional types of mobile businesses addressed since 2017 Annual Report (C.5.e.iii.(2)(c))
SMCWPPP has not developed minimum standards and BMPs for additional types of mobile businesses other than those described in (a) above. The City of San Mateo has not developed any minimum standards and BMPs for other types of mobile businesses.
(d) Provide a list and summary of the specific outreach events and education conducted to each type of mobile business operating within your jurisdiction during the Permit term (C.5.e.iii.(2)(d)):
The City of San Mateo has not conducted any outreach events/education towards mobile businesses in San Mateo. Any mobile business applying for a business license to operate within the City’s jurisdiction is provided a copy of the “Best Management Practices for Mobile Businesses” fact sheet provided by SMCWPPP. For a description of activities at the County-wide or regional level, refer to the C.5 Illicit Discharge Detection and Elimination section of SMCWPPP’s FY 2018/19 Annual Report.
(e) Discuss inspections conducted at mobile businesses and/or job sites (C.5.e.iii.(2)(e))
The City of San Mateo has not conducted any inspections specifically at a mobile business office location or a job site unless responding to a report of illicit discharge.
(f) List below or attach the list of mobile businesses operating within your agency’s jurisdiction (C.5.e.iii.(2)(f))
In FY 2016/17 SMCWPPP compiled an inventory of mobile businesses located in Santa Mateo County. The inventory was developed by reviewing lists provided by individual agencies, yellow page searches and online business searches. The inventory includes automotive washing, steam cleaning, power washing, pet care services and carpet cleaning mobile businesses. The inventory is periodically updated with mobile businesses stormwater inspectors observe during routine field activities, including responding to illicit discharges. The inventory is made available to all San Mateo County Permittees on the SMCWPPP CII members only webpage. The inventory is included in SMCWPPP’s FY 2018/19 Annual Report and currently has approximately 175 mobile businesses.
(g) Discuss enforcement actions taken against mobile businesses during the Permit term (C.5.e.iii.(2)(g))
Enforcement actions are typically taken in response to a complaint or illicit discharge through our IDDE Program. Enforcement actions are tracked in the municipality’s spill and discharge complaint tracking system required by MRP C.5.d.ii.  In FY 18-19, no enforcement actions were issued to any mobile businesses, nor were any discharges identified as mobile business-related.

**C.5.f.iii ► MS4 Map Availability**

Discuss how you make your MS4 map available to the public and how you publicize the availability of the MS4 map.

- MS4 maps are available to the public through the Public Works Department, and are currently provided upon request. Information regarding public access to the City's MS4 map is published on the Stormwater Drainage System page of the City of San Mateo website, consisting of the following passage:  
*"The City maintains a complete inventory of storm drainage infrastructure. To view or acquire a storm drain map for a specific area, contact Public Works."*
- MS4 maps are also available to the public on the Oakland Museum Creek Mapping Project website <http://explore.museumca.org/creeks/crkmap.html>. These maps include San Mateo storm drains that measure 24 inches or greater in diameter.

**Section 6 – Provision C.6 Construction Site Controls**

<b>C.6.e.iii.(3)(a), (b), (c), (d) ► Site/Inspection Totals</b>			
<b>Number of active Hillside Sites (sites disturbing &lt; 1 acre of soil requiring storm water runoff quality inspection) (C.6.e.iii.3.a)</b>	<b>Number of High Priority Sites (sites disturbing &lt; 1 acre of soil requiring storm water runoff quality inspection) (C.6.e.iii.3.c)</b>	<b>Number of sites disturbing ≥ 1 acre of soil (C.6.e.iii.3.b)</b>	<b>Total number of storm water runoff quality inspections conducted (include only Hillside Sites, High Priority Sites and sites disturbing 1 acre or more) (C.6.e.iii.3.d)</b>
0	2	8	156
<p>Comments:            63 inspections were conducted at private construction sites by city staff, and 93 inspections were performed at one public site (new WWTP) per the California Stormwater Construction General Permit (CGP) including weekly site inspections, inspections prior to qualifying rain events, inspections during rain events, inspections after qualifying rain events, and quarterly non-stormwater inspections.</p>			
<p>Provide the number of inspections that are conducted at sites not within the above categories as part of your agency's inspection program and a general description of those sites, if available or applicable.</p> <p>This information is not available.</p>			

C.6 Construction Site Controls

**C.6.e.iii.(3)(e) ► Construction Related Storm Water Enforcement Actions**

	Enforcement Action (as listed in ERP) <sup>52</sup>	Number Enforcement Actions Issued
Level 1 <sup>53</sup>	Verbal/Written Warning	4
Level 2	Notice of Violation / Compliance Meeting	0
Level 3	Failure to Comply / Cost Recovery / Administrative Citation / Compliance Order	0
Level 4	Administrative Civil Penalty / Criminal Penalty / Injunctive Relief	0
<b>Total</b>		<b>4</b>

**C.6.e.iii.(3)(f), ► Illicit Discharges**

	Number
Number of illicit discharges, actual and those inferred through evidence at hillside sites, high priority sites and sites that disturb 1 acre or more of land (C.6.e.iii. 3.f)	1
- This was discharge was counted in the previous section under C.5 and not as a routine C.6 inspection/enforcement action in section C.6.e.iii.(3)(e) above.	

**C.6.e.iii.(3)(g) ► Corrective Actions**

Indicate your reporting methodology below.	
<input checked="" type="checkbox"/>	Permittee reports multiple discrete potential and actual discharges at a site as one enforcement action.
<input type="checkbox"/>	Permittee reports the total number of discrete potential and actual discharges on each site.
	Number
<b>Enforcement actions or discrete potential and actual discharges fully corrected within 10 business days after violations are discovered</b> or otherwise considered corrected in a timely period (C.6.e.iii. .3.g)	4
Comments:	

<sup>52</sup>Agencies should list the specific enforcement actions as defined in their ERPs.

<sup>53</sup>For example, Enforcement Level 1 may be Verbal Warning.

**C.6.e.iii.(4) ► Evaluation of Inspection Data**

Describe your evaluation of the tracking data and data summaries and provide information on the evaluation results (e.g., data trends, typical BMP performance issues, comparisons to previous years, etc.).

Description:

- Public Education of contractors and homeowners has increased awareness and compliance to avoid illicit discharges.
- Site inspections numbers are consistent with the increase in construction projects.
- Our public project site was inactive for the duration of the 2018-2019 reporting year. Main issues were removal of trash dumped by others, maintenance of covers for small soil stockpiles, maintenance of one drain inlet BMP, and covering of wet solids dumpsters unrelated to the construction project.

**C.6.e.iii.(4) ► Evaluation of Inspection Program Effectiveness**

Describe what appear to be your program’s strengths and weaknesses, and identify needed improvements, including education and outreach.

Description:

- Inspectors documented site visits on comprehensive stormwater construction inspection forms, and utilized an electronic tracking system.
- Construction inspectors continued ongoing stormwater training and attended SMCWPPP New Development Subcommittee meetings.
- All large planning application projects have a comprehensive BMP plan sheet included as part of their construction drawings.

Refer to the C.6 Construction Site Control section of SMCWPPP’s FY 18-19 Annual Report for a description of activities at the county-wide or regional level.

**C.6.f.iii ► Staff Training Summary**

Training Name	Training Dates	Topics Covered	No. of Inspectors in Attendance
SMCWPPP New Development Workshop	6/18/2019	Green Infrastructure Guidance	3
SMCWPPP C.6 Training	3/11/2019	Stormwater Inspections/BMPs	3

**Section 7 – Provision C.7. Public Information and Outreach**

**C.7.b.i.1 ► Outreach Campaign**

Summarize outreach campaign. Include details such as messages, creative developed, and outreach media used. The detailed outreach campaign report may be included as an attachment. If outreach campaign is being done by participation in a countywide or regional program, refer to the separate countywide or regional Annual Report.

Summary:  
 See Section 7 and Section 9 of the SMCWPPP FY 2018/19 Annual Report for a description of outreach campaign activities conducted at the countywide level

**C.7.c. Stormwater Pollution Prevention Education**

No Change

**C.7.d ► Public Outreach and Citizen Involvement Events**

Describe general approach to event selection. Provide a list of outreach materials and giveaways distributed.  
 Use the following table for reporting and evaluating public outreach events

See Section 7 of the SMCWPPP FY 18-19 Annual Report for a description of public outreach and citizen involvement events activities conducted at the countywide level. All other public outreach and citizen involvement events activities conducted locally are described below.

Event Details	Description (messages, audience)	Evaluation of Effectiveness
City of San Mateo 34th Annual Bayfront Cleanup, September 15, 2018 at Ryder Park	For shoreline, Marina Lagoon and San Mateo Creek cleanup, approximately 923 community volunteers came to clean up our shoreline and San Mateo Creek. Elementary, high school and college students, service groups, City HOA organizations, merchant groups and residents were represented. Outreach included City E-Blast, flyers and e-notifications to all school groups, posters in public places (commercial sector, all City facilities, restaurants, markets, and nurseries), banners in high traffic areas, and presentations to local community organizations, e.g. 4,500 flyers and 100 posters to all public and private elementary schools within the San	Success at reaching multiple audiences and ages. Established community partnerships that grow each year. Major schools and community organizations had representation at the event. Approximately 23 cubic yards of trash were collected.

	Mateo/Foster City School, 25 posters to local high school and College of San Mateo, and 75 posters to local merchants.	
North Central Cleanup	For North Central neighborhood cleanup, approximately 237 community volunteers came to clean up the area. Outreach included ;Pledge carts were distributed in the neighborhood signed with a commitment to keep the area in front of the resident to keep the property litter and debris free; and flyers and posters were displayed in all the local churches, community centers, neighborhood businesses and schools. Presentations were given to the neighborhood businesses, schools, HOA, and churches.	Success at reaching multiple audiences and ages. Approximately 15 cubic yards of trash was collected.
Music in the Park	Nine week music series every Thursday night from June 21 to August 16 sponsored by Parks Department from 6:00 to 8:00 pm. Approximately 2,000 residents (kids, adults, seniors) attend. Food vendors offer fare. Eight clearly labeled recycling stations are set up in Central Park for compost/recycling and garbage. Announcements are made before, during and after the event reminding everyone to clean up afterwards and recycle and compost. City staff monitor the stations and educate participants as to what trash should go where.	Great community event. Since the carts used in the recycling stations are the same as those used at home by residents, they are very familiar with what goes where and there is virtually no debris or litter left on the ground after the event. Each year depending on the weather and type of music offered the size of the audience varies between 1,800to 2,000. The music series is now litter free, with over 80% of diversion of waste from landfill at each event.
Recology Garbage Bill Insert Dissemination	Garbage bill insert regarding two Recycling Event for E-Waste, Shredding and Goodwill donation mailed to all City solid waste ratepayers.	City-wide outreach for annual e-waste/other recycling event including flyers sent approximately 22,000 homeowners for each event.
E-Waste Recycling and Paper Shredding Events in Beresford Park Parking Lot, October 20,2018 and May 5, 2019	Residents participate in Team Up to Clean Up recycling events to recycle e-waste, shred paper, etc.	2,400 residents recycled at the two events: 6,755 lbs of CEWs; 1,824 lbs of misc. ewaste, 2,408 CPUs; 373 lbs. of batteries; 4,454 of flat screen; 2,444 ft. of fluorescent tubing; and 606 light bulbs

**C.7.e. Watershed Stewardship Collaborative Efforts**

Summarize watershed stewardship collaborative efforts and/or refer to a regional report that provides details. Describe the level of effort and support given (e.g., funding only, active participation etc.). State efforts undertaken and the results of these efforts. If this activity is done regionally refer to a regional report.

Evaluate effectiveness by describing the following:

- Efforts undertaken
- Major accomplishments

Summary:

See Section 7 of the SMCWPPP FY 18-19 Annual Report for a description of watershed stewardship collaborative efforts conducted at the countywide level.

**C.7.f. School-Age Children Outreach**

Summarize school-age children outreach programs implemented. A detailed report may be included as an attachment.

Use the following table for reporting school-age children outreach efforts.

See Section 7 of the SMCWPPP FY 18-19 Annual Report for a description of school-age children outreach efforts conducted at the countywide level. All other school-age children outreach efforts conducted locally are described below.

Program Details	Focus & Short Description	Number of Students/Teachers reached	Evaluation of Effectiveness
School/Business Tours	The goal of the Shoreway Environmental Tour Program is to promote the theme of resource conservation and waste reduction.	20 tours given to 16 City schools, four business groups and one community group for a total of 538 participants from the following locations: School Groups; Meadow Heights, Lead, Sunnybrae, College Park Elementary, Fiesta Garden Schools; St Matthew's Day School; Bayside STEM Academy; San Mateo Adult School; Hillsdale High School; Business /Community Tours: San Mateo, Foster City, Burlingame, and Hillsborough Leadership Class, Hillsdale Mall, Boys and Girls Club Mid- Peninsula, American Association of University Women	Pre and post tour surveys and curriculum packets are administered to the teachers. There are lesson plans and quizzes to prepare the students for the tour. The post tour packet has activities such as "Class Reflection Worksheet" and a "Pledge to Waste Nothing" continuing the discussion of resource conservation, with pledge of action.



**Section 9 – Provision C.9 Pesticides Toxicity Controls**

<b>C.9.a. ► Implement IPM Policy or Ordinance</b>							
Is your municipality implementing its IPM Policy/Ordinance and Standard Operating Procedures?				<input checked="" type="checkbox"/> X	Yes	<input type="checkbox"/>	No
If no, explain:							
Report implementation of IPM BMPs by showing trends in quantities and types of pesticides used, and <b><u>suggest reasons for increases in use of pesticides that threaten water quality</u></b> , specifically organophosphates, pyrethroids, carbamates fipronil, indoxacarb, diuron, and diamides. A separate report can be attached as evidence of your implementation.							
<b>Trends in Quantities and Types of Pesticide Active Ingredients Used<sup>54</sup></b>							
Pesticide Category and Specific Pesticide Active Ingredient Used	Amount <sup>55</sup>						
	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	FY 20-21	
<b>Organophosphates</b>							
Active Ingredient Chlorpyrifos	None	None	None	None			
Active Ingredient Diazinon	None	None	None	None			
Active Ingredient Malathion	None	None	None	None			
<b>Pyrethroids (see footnote #55 for list of active ingredients)</b>							
Active Ingredient Type X	None	0.234 oz	None	None			
Active Ingredient Type Y	None	None	None	None			
<b>Carbamates</b>							
Active Ingredient Carbaryl	None	None	None	None			
Active Ingredient Aldicarb	None	None	None	None			
<b>Fipronil</b>	None	0.002912 oz	None	None			

<sup>54</sup>Includes all municipal structural and landscape pesticide usage by employees and contractors.

<sup>55</sup>Weight or volume of the active ingredient, using same units for the product each year (ounces). The active ingredients in any pesticide are listed on the label. The list of active ingredients that need to be reported in the pyrethroids class includes: metofluthrin, bifenthrin, cyfluthrin, beta-cyfluthrin, cypermethrin, deltamethrin, esfenvalerate, lambdacyhalothrin, and permethrin.

C.9 – Pesticides Toxicity Controls

Pesticide Category and Specific Pesticide Active Ingredient Used	Amount					
	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	FY 20-21
Indoxacarb	Reporting not required in FY 15-16	0.048 oz and 120 mg*	None	0.018 oz		
Diuron	Reporting not required in FY 15-16	None	None	None		
Diamides	Reporting not required in FY 15-16	None	None	None		
Active Ingredient Chlorantraniliprole		None	None	None		
Active Ingredient Cyantraniliprole		None	None	None		
<p><b>Note:</b></p> <p>*The City’s service provider Western Exterminator used Advion Cockroach Gel Bait, containing Indoxacarb one time for interior treatment at the MLK Center during FY 18-19. This interior application did not threaten water quality. In the current and future reporting periods, the City will focus additional efforts on communicating the specifics of IPM policy, In particular, all prohibited products and the process required for their application with both City staff and contracted pest control services.</p> <p><b>Reasons for increases in use of pesticides that threaten water quality:</b></p> <p>On one occasion, a city contractor used an indoxacarb-containing pesticide for an interior application. Use of this particular pesticide has not been repeated, and the City will work with contractors in the future to identify and use alternative pesticides.</p>						
<p><b>IPM Tactics and Strategies Used:</b></p> <ol style="list-style-type: none"> <li>1) During FY 18-19, the City revised pest control contracts to include language specifying all pesticides that were prohibited from use without prior authorization from the City.</li> <li>2) The City continues to pursue less-toxic chemicals for use as pesticides/herbicides. In March 2019, the City discontinued use of Glyphosate and will replace with a less-toxic alternative. Alternatives are currently being tested, and will be implemented during the 2019-20 reporting period.</li> </ol>						

<b>C.9.b ▶ Train Municipal Employees</b>	
Enter the number of employees that applied or used pesticides (including herbicides) within the scope of their duties this reporting year.	20
Enter the number of these employees who received training on your IPM policy and IPM standard operating procedures within this reporting year.	20
Enter the percentage of municipal employees who apply pesticides who have received training in the IPM policy and IPM standard operating procedures within this reporting year.	100%
Type of Training: The City provided City staff who apply pesticides with an annual Pesticide Training "Employers Written Handler Training Program", pursuant to 3 CCR section 6724. Michael Baefsky, who is a licensed Agricultural Pest Control Advisor, provided this training on January 17, 2019.	

C.9 – Pesticides Toxicity Controls

**C.9.c ▶ Require Contractors to Implement IPM**

Did your municipality contract with any pesticide service provider in the reporting year, for either landscaping or structural pest control?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
If yes, did your municipality evaluate the contractor's list of pesticides and amounts of active ingredients used?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
<p>If your municipality contracted with any pesticide service provider, briefly describe how contractor compliance with IPM Policy/Ordinance and SOPs was monitored</p> <p>Language from the City's IPM Policy was included in all contractors scopes of work for the 18-19 reporting period. This included the list of restricted products prohibited from use without explicit advance permission from the City.</p> <p>Loral Landscaping submits monthly Pesticide Use Summary Report to the City for work conducted the previous month. All records were reviewed for compliance with IPM policy and the scope of their contracted work.</p> <p>Western Exterminator: Provided the City Contact person with access to their web-based database of pesticide/herbicide applications and reports. All records where Western Exterminator staff applied pesticides during FY 18-19 were reviewed (93 in total) for adherence to IPM policy and compliance with the scope of their contracted work.</p> <p>Donovan's Pest Control Inc. submitted monthly electronic Inspection/Pesticide Use Reports to the City for the City's review for compliance with IPM policy and compliance with the scope of their contracted work.</p>				
If your agency did not evaluate the contractor's list of pesticides and amounts of active ingredients used, provide an explanation. N/A				

**C.9.d ▶ Interface with County Agricultural Commissioners**

Did your municipality communicate with the County Agricultural Commissioner to: (a) get input and assistance on urban pest management practices and use of pesticides or (b) inform them of water quality issues related to pesticides,	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
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If yes, summarize the communication. If no, explain.

See section 9 of the SMCWPPP 18-19 Annual Report for a summary of communication with the San Mateo County Agricultural Commission.

Did your municipality report any observed or citizen-reported violations of pesticide regulations (e.g., illegal handling and applications of pesticides) associated with stormwater management, particularly the California Department of Pesticide Regulation (DPR) surface water protection regulations for outdoor, nonagricultural use of pyrethroid pesticides by any person performing pest control for hire.

	Yes	X	No
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If yes, provide a summary of improper pesticide usage reported to the County Agricultural Commissioner and follow-up actions taken to correct any violations. A separate report can be attached as your summary.

**C.9.e.ii (1) ► Public Outreach: Point of Purchase**

Provide a summary of public outreach at point of purchase, and any measurable awareness and behavior changes resulting from outreach (here or in a separate report); **OR** reference a report of a regional effort for public outreach in which your agency participates.

Summary: See the C.9 Pesticides Toxicity Control section of Countywide Program’s FY 18-19 Annual Report for information on point of purchase public outreach conducted countywide and regionally.

**C.9.e.ii (2) ► Public Outreach: Pest Control Contracting Outreach**

Provide a summary of outreach to residents who use or contract for structural pest control and landscape professionals); **AND/OR** reference a report of a regional effort for outreach to residents who hire pest control and landscape professionals in which your agency participates.

Summary: See the C.9 Pesticides Toxicity Control section of Countywide Program’s FY 18-19 Annual Report for information on point of purchase public outreach conducted countywide and regionally.

**C.9.e.ii.(3) ► Public Outreach: Pest Control Operators**

Provide a summary of public outreach to pest control operators and landscapers and reduced pesticide use (here or in a separate report); **AND/OR** reference a report of a regional effort for outreach to pest control operators and landscapers in which your agency participates.

Summary: See the C.9 Pesticides Toxicity Control section of Countywide Program’s FY 18-19 Annual Report for a summary of our participation in and contributions towards countywide and regional public outreach to pest control operators and landscapers to reduce pesticide use.

**C.9.f ▶ Track and Participate in Relevant Regulatory Processes**

Summarize participation efforts, information submitted, and how regulatory actions were affected; **AND/OR** reference a regional report that summarizes regional participation efforts, information submitted, and how regulatory actions were affected.

Summary: During FY 18-19, we participated in regulatory processes related to pesticides through contributions to the countywide Program, BASMAA and CASQA. For additional information, see the Regional Report submitted by BASMAA on behalf of all MRP Permittees.

**C.9.g. ▶ Evaluate Implementation of Pesticide Source Control Actions**

*(For FY 18-19 Annual Report only)* Submit an evaluation that assesses; 1) the effectiveness of IPM efforts required in Provisions C.9.a-e and g, 2) a discussion of any improvements made in the past five years; 3) any changes in water quality regarding pesticide toxicity in urban creeks; and 4) a brief description of one or more pesticide-related area(s) the Permittee will focus on enhancing during the subsequent permit term.

Summary:

- 1) IPM efforts have been mostly effective in satisfying the requirements of Provisions C.9 a-e and g. IPM policy has been incorporated into contract language for pesticide applicators, annual trainings continue, and opportunities to revise standard operating procedures to incorporate IPM policy continue. Improvements in ongoing communication with all staff and contractors responsible for pesticide and herbicide application may be beneficial for better consistency in adherence to IPM policy.
  
- 2) In 2017, the City of San Mateo updated its IPM standard operating procedures and hiring processes for contractors that apply pesticides to ensure compliance with the IPM Policy. The City revised the “Structural Pest Control Services” and “Landscape Pest Control Services” Scope of Work used in soliciting bids from contractors to include up-to-date IPM requirements. These included updates to the list of prohibited products, which increased from the previous permit. The City has also revised Monthly IPM Reporting Forms given to contractors to include a listing of products that are not allowed for application under the City’s IPM policy, and has increased the frequency of pesticide use report submittal and review from once per year, to once per month.  
  
 The City has collaborated with the contractor who conducts the majority of pest management work within the city to gain access to their internal web-based tracking database, making it possible for the City to review service reports at any time.  
  
 Additionally, the City has continued providing annual training for all employees who, within the scope of their duties, apply or use pesticides.
  
- 3) See Section C.9 Pesticides Toxicity Control of the Countywide Program’s FY 18-19 Annual Report for an evaluation of the effectiveness of source control measures implemented, and changes in water quality regarding pesticide toxicity in urban creeks.
  
- 4) The City will review current practices and update internal policies and procedures and maintenance agreement contract templates, if needed. The City will evaluate its record collection, review, and retention practices to ensure thorough and adequate oversight of all City staff and contractors tasked with pesticide application or pest management practices. Records reception from all contractors will

remain an area of focus as 100% record submittal each month has not yet been achieved. Additionally, informal communication with contractors to reinforce IPM policy, specifically the list of prohibited products will be an area of focus as there was one unauthorized application during FY 18-19. This will remain an area of focus regardless of whether or not there has been an unauthorized application. The City will evaluate current pest management practices and incorporate least-toxic products and practices wherever possible. A recent example of this is the discontinuation of the use of Glyphosate by the Park and Recreation department, and subsequent evaluation of less-toxic alternatives. The City will evaluate these practices, and incorporate them into contracts and in-house policies, as needed. The City will improve outreach to residents through use of social media and other messaging opportunities to the maximum extent practical. Public Works recently hired a Communications and Public Relations Analyst specializing in public outreach who can be utilized to provide outreach on IPM and other stormwater issues.

Section 10 - Provision C.10 Trash Load Reduction

<b>C.10.a.i ► Trash Load Reduction Summary</b>	
For population-based Permittees, provide the overall trash reduction percentage achieved to-date within the jurisdictional area of your municipality that generates problematic trash levels (i.e., Very High, High or Moderate trash generation). Base the reduction percentage on the information presented in C.10.b i-iv and C.10.e.i-ii. Provide a discussion of the calculation used to produce the reduction percentage	
<b>Trash Load Reductions</b>	
Percent Trash Reduction in All Trash Management Areas (TMAs) due to <b>Trash Full Capture Systems</b> (as reported C.10.b.i)	29.5%
Percent Trash Reduction in all TMAs due to <b>Control Measures Other than Trash Full Capture Systems</b> (as reported in C.10.b.ii) <sup>56</sup>	52.9%
Percent Trash Reduction due to <b>Jurisdictional-wide Source Control Actions</b> (as reported in C.10.b.iv)	10.0%
<b>SubTotal for Above Actions</b>	<b>92.4%</b>
<b>Trash Offsets (Optional)</b>	
Offset Associated with Additional Creek and Shoreline Cleanups (as reported in C.10.e.i)	0.0%
Offset Associated with Direct Trash Discharges (as reported in C.10.e.ii)	0.0%
<b>Total (Jurisdictional-wide) % Trash Load Reduction through FY 2018-19</b>	<b>92.4%</b>
<p><b>Discussion of Trash Load Reduction Calculation and Attainment of the 80% Mandatory Deadline:</b></p> <p>The City attained and reported 87.1% trash load reduction (including trash offsets) in its FY 17-18 Annual Report. During FY 18-19, the City continued to implement a robust trash control measure program, including the installation of another large full capture system. These actions assisted the City in maintaining and increasing its trash load reduction above the mandatory 80% trash load reduction requirement included in the MRP. The total (jurisdiction-wide) percent trash load reduction in FY 18-19 is 92.4%.</p> <p>Please note that in FY 2018-19, the City refined its Baseline Trash Generation Map based on new information on the levels of trash generated on private lands that draining to inlets located on those properties, but connect to the City's MS4. Additional information on the methods and process used by the City to develop the information needed to refine the map are included in table C.10d. The refined version of the City's map can be downloaded at <a href="http://www.flowstobay.org/content/municipal-trash-generation-maps">http://www.flowstobay.org/content/municipal-trash-generation-maps</a>.</p>	



<b>C.10.a.iii ► Mandatory Trash Full Capture Systems</b>		
Provide the following:		
1) Total number and types of full capture systems (publicly and privately-owned) installed prior to FY 18-19, during FY 18-19, and to-date, including inlet-based and large flow-through or end-of-pipe systems, and qualifying low impact development (LID) required by permit provision C.3.		
2) Total land area (acres) treated by full capture systems for population-based Permittees and total number of systems for non-population based Permittees compared to the total required by the permit.		
<b>Type of System</b>	<b># of Systems</b>	<b>Areas Treated* (Acres)</b>
<b>Installed in FY 18-19</b>		
Debris Separating Baffle Box (Public)	1	289.2
Devices installed by bordering Permittee (City of Belmont) with treatment areas extending into the County's jurisdictional area	-	3.7
<b>Installed Prior to FY 18-19</b>		
Connector Pipe Screens (Public)	142	242.8**
Low Impact Development (Private)	1	83.7
Trash Booms (Public)	3	1,523***
<b>Total for all Systems Installed To-date</b>	<b>147</b>	<b>619.4</b>
<b>Treatment Acreage Required by Permit (Population-based Permittees)</b>		<b>82</b>
<b>Total # of Systems Required by Permit (Non-population-based Permittees)</b>		<b>N/A</b>

\*Areas treated include jurisdictional and non-jurisdictional lands (e.g., public K-12 schools and colleges, and freeways).

\*\* Areas treated by connector pipe screens in TMAs 1, 3 and 5 were redefined based on new information gained through field delineations of treatment areas for these devices. The acreage reported here incorporates these refined delineations.

\*\*\* In addition to the total acreage reported as treated by traditional full capture systems, a total of 6,090 acres of land is treated by three trash booms operated on 16th Avenue Channel, 19th Avenue Channel, and Laurel Creek. In accordance with the MRP definition of full capture systems, only ¼ of the catchment area treated by trash booms can be credited toward meeting the trash management area requirement of Permit Provision C.10.a. For these booms, this area is **1523** acres.

**C.10.b.i ► Trash Reduction - Full Capture Systems**

Provide the following:

- 1) Jurisdiction-wide trash reduction in FY 18-19 attributable to trash full capture systems implemented in each TMA;
- 2) The total number of full capture systems installed to-date in your jurisdiction;
- 3) The percentage of systems in FY 18-19 that exhibited significant plugged/blinded screens or were >50% full when inspected or maintained;
- 4) A narrative summary of any maintenance issues and the corrective actions taken to avoid future full capture system performance issues; and
- 5) A certification that each full capture system is operated and maintained to meet the full capture system requirements in the permit.

TMA	Jurisdiction-wide Reduction (%)	Total # of Full Capture Systems	% of Systems Exhibiting Plugged/Blinded Screens or >50% full in FY 18-19	Summary of Maintenance Issues and Corrective Actions
1	7.2%	147	6.9% (not including trash booms)	<p>Connector Pipe Screens:                      Crews identified the % of blocked screens using our CMMS (Cartegraph) to track if follow up needed. 9 out of our 142 CPSs had a rating of &gt;50% in which the crews were assigned to follow up clean one month later. The CPSs that received a rating of &gt;50% are currently in previously identified High Trash Generator Zones. Recommend Biannual cleaning of CPSs in these areas. City staff perform maintenance including inspections and trash/debris removal. The City utilizes the "City of San Mateo Trash Capture Device Maintenance Report" as formatted within Cartegraph to record inspection and maintenance activities for each device to track issues, maintenance needs and perceived performance of the device.</p> <p>Wet Detention Pond:                      The City follows an Operations and Maintenance Manual for the Bay Meadows Park Pond, which includes pond landscaping inspection and maintenance at monthly, semiannual, annual, two-to-five year, and as needed frequencies for items such as algae and trash removal, erosion, vegetation cover, sediment accumulation, etc. Inspection and maintenance for the recirculation pump, aeration system, and pond inlet structure occurs at varying frequencies ranging from monthly, per rain event, semiannually, annually, and as needed.</p> <p>The DSBB (Debris Separating Baffle Box) located at Dore was cleaned only once on January 9th, 2019 after its installation. The</p>
2	2.1%			
3	18.1%			
4A	0.1%			
4B	1.2%			
5	0.3%			
<b>Total</b>	<b>29.5%*</b>			

				screens were exhibiting <50% full at the time. Maintenance staff performed an inspection later in the spring with <10% of screens full. The DSBB will be maintained during the same time frame as the other TCD's within the city. City crews will inspect and clean the DSBB at minimum of twice during the FY and on an as needed basis during wet weather events.
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**Certification Statement:** The City of San Mateo certifies that a full capture system maintenance and operation program is currently being implemented to maintain all applicable systems in manner that meets the full capture system requirements included in the Permit.

\*The total jurisdiction-wide reduction reported above for full capture systems represents the 29.0% reduction obtained via the treatment of the City's jurisdictional areas and 0.5% reduction for treatment of 20.2 acres of non-jurisdictional public K-12, college and university school land areas. This combined 29.5% reduction is associated with traditional certified full capture systems. The City has opted to not count an additional 9.8% reduction associated with trash booms operated on 16<sup>th</sup> Avenue Channel, 19th Avenue Channel and Laurel Creek that treat an additional 6,090 acres of land. The City reserves the right to adjust the reduction accordingly, based on achieving future compliance deadlines according to permit requirements.

**C.10.b.ii ► Trash Reduction – Other Trash Management Actions (PART A)**

Provide a summary of trash control actions other than full capture systems or jurisdictional source controls that were implemented within each TMA, including the types of actions, levels and areal extent of implementation, and whether actions are new, including initiation date.

TMA	Summary of Trash Control Actions Other than Full Capture Systems
Jurisdiction Wide	<p><b>18/19 Enhanced Activities:</b></p> <p><b>Street Sweeping:</b></p> <ul style="list-style-type: none"> <li>• In 2018, the City modified its route schedule and frequency based on the amount of trash generated on a given street. The change meant that service adapted to the needs of the community. Green/Low generation streets, during leaf-season (October to March), these streets will be swept bi-weekly. From April to September, these streets will be swept monthly. Yellow/Moderate generation streets receive year-round bi-weekly sweeping. Red/High generation streets receive year-round bi-weekly sweeping, and addition of parking restriction signs</li> <li>• Parking restriction signs are expanded in red/high generation areas to keep streets clear for their scheduled sweeping. Without cars blocking the gutter of these high-priority streets, the sweepers can thoroughly clean the street and prevent litter from entering the bay. These signs will only restrict parking on the days and times where the gutters need to be clear for sweeping</li> <li>• See Attachment 2 for a map of existing and proposed street sweeping signage related to trash generation.</li> </ul> <p><b>Baseline Trash Generation Reestablishment:</b></p> <p>In FY18/19 in tandem with EOA, Inc. the City reevaluated the baseline trash generation of 508 acres of land draining to inlets on private properties to more accurately represent the baseline trash generation rates in these areas. This project resulted in the reclassification of 244 acres of land to low trash generating areas. These changes have been included in the City's baseline generation map and the associated appendix 10-1 in the current FY 18/19 annual report.</p> <p><b>Team Up to Clean Up:</b></p> <p>Continued Team Up to Clean Up, a program meant to bring residents and neighborhoods together in a joint effort to eliminate litter in our streets, storm drains, and waterways. We seek enthusiastic community members that want to help lead the charge against litter reduction in San Mateo. Our program is designed as a flexible one, to enable any type of volunteer group, individual, or business to participate. Some of the ways to participate include, organizing litter pick-up events, adopt-a-block programs, the Adopt a Storm Drain program, and Litter-Free schools &amp;/or businesses. In FY 18/19, volunteer groups picked up a total of approximately 3,960 ga + 41 CY*202 ga/CY = 10,222 gallons of trash from San Mateo streets and waterways, an increase of 2,205 gallons from FY 17/18. Adopt a Storm Drain program, initiated in October 2017, expanded in 18/19, 76 new volunteers came aboard for a total of 209 volunteers to claim cleaning responsibility for 312 drains an increase of 111 drains from the prior year through the City's online GIS-based portal. Other Team Up to Clean Up activities are continued from previous years.</p>

	<p><b>Illegal Dumping Enforcement Activities:</b></p> <ul style="list-style-type: none"> <li>• 766 reports of illegal dumping reported; all reports were addressed within 24 hours of being reported.</li> <li>• There were 111 reports of illegal dumping less than the prior year due to preventive actions, e.g., placement of seven cameras (in areas of known high activity of illegal dumping) and 320 <i>Notices of Abatement</i> were sent to property owners when the debris was directly in front of their property. The dumping completely stopped or was greatly reduced in each area where the cameras are placed. Over 90 % of property owners took responsibility for the debris removal at each location where an abatement notice was sent with the result of the activity either completely stopping or reoccurrences being greatly reduced.</li> </ul> <p><b>City Waste Facilities:</b></p> <ul style="list-style-type: none"> <li>• Conducted physical audit of all 93 City garbage cans in public areas with input from Recology.</li> <li>• Performed 17 audits at city facilities, putting new signage in all locations.</li> <li>• Trained and retrained staff at the four Fire Stations, five Recreation Centers, the Police Department, and Special Events Group regarding recycling, compost and waste diversion.</li> <li>• Improved bin/container management – revising bin locations, mapping bin locations, and implemented liner replacement program for City bins.</li> </ul> <p><b>Ongoing Jurisdictional Wide Activities:</b></p> <ul style="list-style-type: none"> <li>• Anti-Scavenging Ordinance adopted by City Council on 5/18/2015</li> <li>• Litter Workgroup Participation and Leadership</li> <li>• Storm Drain Inlet Cleaning</li> </ul> <p>Additional detail provided in the Long-Term Trash Load Reduction Plan.</p>
<p><b>TMA 1</b></p>	<ul style="list-style-type: none"> <li>• Continued a “Keep Downtown Clean” campaign for the merchants.</li> <li>• Improved bin/container management – revising bin locations, mapping bin locations, and implemented liner replacement program for City bins.</li> <li>• Commercial Garbage Audits: 30 Business in our downtown as part of a beautification project were audited for garbage service and adjustments are made including the addition of recycling and compost services when needed.</li> <li>• Relocation of 8 city garbage cans for increased pedestrian use.</li> <li>• Anti-littering and illegal dumping enforcement activities.</li> <li>• Presentation to the Downtown San Mateo Merchant Association regarding recycling, compost, and waste diversion, with approximately 17 attendees (August 3, 2018).</li> </ul> <p>Additional detail provided in the Long-Term Trash Load Reduction Plan.</p>
<p><b>TMA 2</b></p>	<p>Team Up to Clean Up Activities in TMA 2:</p> <ul style="list-style-type: none"> <li>• On-land cleanups – The City is cleaning medians and sound walls, exploring opportunities for groups to perform on-land trash cleanups, and coordinating with SamTrans on ways to improve their maintenance and service schedules and the current conditions of their garbage cans at bus stops along State Routes 82 and 92.</li> </ul>

	<ul style="list-style-type: none"> <li>• Hillsdale Mall is implementing internal procedures for on-land litter pickup including routinely cleaning bus stops in front of the mall.</li> <li>• 25th Avenue Business District Cleanup December 1, 2018, 17 volunteers picked up 315 gallons of litter.</li> <li>• Commercial garbage audits: Commercial businesses were audited for garbage service and adjustments were made including the addition of recycling and compost services when needed.</li> <li>• Hired a contractor to clean along 25th Ave, a residential business area, to include the cleaning of all sidewalks and City garbage cans, along with replacing all garbage can liners in FY 18/19.</li> <li>• Improved bin/container management – The City is coordinating with SamTrans on bins at bus stops. Public cans on 25<sup>th</sup> Avenue are serviced three times per week. Worked with the merchants to make sure they have adequate service, by relocating city garbage cans for increased pedestrian use and increasing awareness to reduce the potential of contamination, all with the goal of increasing diversion.</li> <li>• Targeted plan at Home Depot: Placed protection around the storm drains, with gardeners doing weekly cleaning. Exchanged plastic recycling carts for metal bin, and continued a compost program (started in 2014).</li> <li>• Increased Recycling at Corporation Yard:             <ul style="list-style-type: none"> <li>◦ Added 3-1 cubic yard garbage bins for convenient usage preventing garbage overflow (October 2018).</li> </ul> </li> </ul> <p>Additional detail provided in the Long-Term Trash Load Reduction Plan.</p>
<p>TMA 3</p>	<ul style="list-style-type: none"> <li>• Commercial and multi-family dwelling garbage audits: Commercial and multi-family dwellings were audited for garbage service and adjustments were made including the addition of recycling and compost services when needed.</li> <li>• On-land cleanups – Hot spot cleanup and advertising of cleanup events was continued. Additionally, the City hired a contractor to pick-up trash at the following locations:             <ul style="list-style-type: none"> <li>◦ Railroad Ave and Poplar Ave, Railroad Ave and Santa Inez Ave, Railroad Ave and Tilton Ave, Railroad Ave and Monte Diablo Ave, 3rd Ave Bike lane Between 101 and Norfolk St, Poplar Ave from Bay Shore to Cavanaugh St, and Monte Diablo Ave Overpass.</li> </ul> </li> <li>• Improved bin/container management – Beginning in 2010 the franchise contracted waste hauler’s containers have lids and are watertight per the requirements of the Solid Waste Franchise Collection Agreement. During FY 18/19 the City relocated two city garbage cans and added two recycling centers for increased pedestrian use along E. 3rd and 4th Ave gateway entrance and exit to downtown from HWY 101 and the Worker’s Resource Center.</li> <li>• Hillsdale Garden Apartments procured new garbage enclosures including switching to bins with closed lids from previous cart service. Hillsdale Garden Apartments has reduced their weekly trash generation (January 2011-June 2013) by approximately 7%. There have been no trash overflows due to their enhanced efforts.</li> <li>• Illegal Dumping Enforcement Activities: Staff reports and records by address all illegal dumping location in the City each year. Beginning March 2016, the City began sending a “Notice of Order to Abate a Public Nuisance” to property owners where illegal dumping was directly in front of their property. Property owners are given 48 hours to abate. The City purchased and placed nine additional surveillance cameras in 18/19 in addition to the six existing cameras. They are placed in areas of high illegal dumping for prevention and enforcement. Dumping has decreased in all locations to date due to the presence of the cameras.</li> </ul>

	Address of Camera	Reports of Illegal Dumping from July 1, 2017 to June 30, 2018	Reports of Illegal Dumping from July 1, 2018 to June 30, 2019
	721 N. Amphlett/College Av	7	6
	1443 S. Railroad	11	0
	753 N. Amphlett	0	0
	412 Grand	11	6
	Poplar and Claremont	26	3
	1460 E. Poplar/Kingston	0	0
	460 Studio Circle	5	3
	1201 Dakota	12	6
	1331 La Selva	3	0
	2 S. Claremont	12	6
	210 S. Idaho	6	6
	57 E. 40 <sup>th</sup> Ave	17	10
	1427 E. 3 <sup>rd</sup> Ave	3	1
	1240 E. Poplar	5	4
	731 N. Amphlett	19	9
	863 Woodside Way	5	5
	<ul style="list-style-type: none"> <li>• Team Up to Clean Up Activities (See Jurisdiction Wide section above for Program Description)                             <ul style="list-style-type: none"> <li>◦ North Central Neighborhood Cleanup in January and April of 2019 collected 17 cubic yards of litter</li> <li>◦ Congregation Church Team Up to Clean Up collected 618 gallons of litter in April, 2019.</li> </ul> </li> </ul>		
TMA 4	<ul style="list-style-type: none"> <li>• Improved bin/container management – Re-labeled all recycling stations (recycling, compost, garbage) in all public areas at all Rec Centers, Main Library and City Hall. Brought in event carts for special events at parks monitored and maintained by City staff, and seasonally adjusted all solid waste services at all parks.</li> <li>• Seven in-ground 300-gallon garbage cans were routinely serviced in remote City Park Department-maintained locations near bodies of water where there were no prior City garbage receptacles for public use.</li> <li>• The City has been able to increase waste diversion to approximately 80 to 85% diversion depending on the type of event by these efforts. Music in the Park occurs every Thursday night in Central Park from 6pm to 8pm, for which there is an established park event Recycling Station Program. Ten sets of solid waste carts are at the park for all events taking place in the park including the Central Park Music Series. One set consists of one cart each for recycling, organic waste, and garbage, with sets placed by City staff prior to the event for best use, monitored during the event and brought to the service area after the event to ensure no residual debris or litter is on the ground from event and park is clean. We average 83% waste diversion rate for all City sponsored events. City staff sets up recycling stations (consisting of recycling, compost, and garbage collection carts) for best use for attendees and food vendors. Staff monitor the stations through event, works with attendees/vendors to use the appropriate solid waste cart, and continual announcements from the</li> </ul>		

C.10 – Provision C.10 Trash Load Reduction

	<p>band and sponsors from the stage focus on proper waste disposal, reinforcing recycling, composting, and being a “litter free event.”</p> <ul style="list-style-type: none"> <li>• Team Up to Clean Up Activities (See Jurisdictional Wide for Program Description)                     <ul style="list-style-type: none"> <li>○ Cleanup events at Ryder Park: See Section C.10.e for additional Shoreline Cleanups performed at Parks and around Marina Lagoon</li> <li>○ Ace Hardware and the North Central Neighborhood – January 11, 2019 46 volunteers picked 2 cubic yards of litter.</li> <li>○ California Water Department and the North Central Neighborhood – 237 volunteers picked up 15 cubic yards of litter.</li> </ul> </li> </ul>
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**C.10.b.ii ► Trash Reduction – Other Trash Management Actions (PART B)**

Provide the following:

- 1) A summary of the on-land visual assessments in each TMA (or control measure area), including the street miles or acres available for assessment (i.e., those associated with VH, H, or M trash generation areas not treated by full capture systems), the street miles or acres assessed, the % of available street miles or acres assessed, and the average number of assessments conducted per site within the TMA; and
- 2) Percent jurisdictional-wide trash reduction in FY 18-19 attributable to trash management actions other than full capture systems implemented in each TMA; OR
- 3) Indicate that no on-land visual assessments were performed.

If no on-land visual assessments were performed, check here and state why:

**Explanation:** : No OVTAs were conducted in TMA #1 in FY 18-19 because limited street lengths are available for assessments

TMA ID <i>or (as applicable) Control Measure Area</i>	Total Street Miles <sup>57</sup> Available for Assessment	Summary of On-land Visual Assessments <sup>58</sup>			Jurisdictional-wide Reduction (%)
		Street Miles Assessed	% of Available Street Miles Assessed	Avg. # of Assessments Conducted at Each Site <sup>59,60</sup>	
1	0.08	0.00	0%	0.0	0.0%
2	12.49	2.47	20%	6.3	24.7%
3	17.61	1.75	10%	5.8	17.0%



FY 2018-2019 Annual Report  
 Permittee Name: City of San Mateo

C.10 – Provision C.10 Trash Load Reduction

4A	2.13	1.03	48%	6.4	0.5%
4B	0.88	0.62	70%	6.0	2.8%
5	2.86	0.55	19%	6.3	7.8%
<b>Total</b>		<b>6.24</b>	-	-	<b>52.9%</b>

C.10.b.iv ► Trash Reduction – Source Controls				
Provide a description of each jurisdictional-wide trash source control action implemented to-date. For each control action, identify the trash reduction evaluation method(s) used to demonstrate on-going reductions, summarize the results of the evaluation(s), and estimate the associated reduction of trash within your jurisdictional area. Note: There is a maximum of 10% total credit for source controls.				
Source Control Action	Summary Description & Dominant Trash Sources and Types Targeted	Evaluation/Enforcement Method(s)	Summary of Evaluation/Enforcement Results To-date	% Reduction
<b>Single-Use Plastic Bag Ordinance</b>	<p>The Plastic Bag Ban addresses plastic bag trash from all sources including pedestrian, vehicles, container management, and illegal dumping. The City Council adopted an Ordinance banning Single-Use Plastic Carryout Bags on May 6, 2013, which went into effect 30 days later. The Ordinance can be found here:  <a href="http://qcode.us/codes/sanmateo/vi ew.php?topic=55_86&amp;frames=off">http://qcode.us/codes/sanmateo/vi ew.php?topic=55_86&amp;frames=off</a></p> <p>Retail shoppers have the option of bringing their own reusable bags. Retailers will charge a minimum of \$0.25 for a requested recycled paper bag or reusable bag. Exemptions apply for restaurants and nonprofit charitable organizations, as well as businesses that use produce and meat bags, garment cleaning bags and pharmaceutical bags. Additional information on the City's website can be found here:  <a href="http://www.cityofsanmateo.org/ind ex.aspx?nid=2539">http://www.cityofsanmateo.org/ind ex.aspx?nid=2539</a></p>	<p>On behalf of all SMCWPPP Permittees, the County of San Mateo conducted assessments evaluating the effectiveness of the single use plastic bag ban in municipalities within San Mateo County, including the City of San Mateo. Assessments conducted by the County included audits of businesses and surveys of customer bag usage at many businesses in San Mateo County. Additionally, the County also tracked the number of complaints by customers. The results of assessments conducted by the County are assumed to be representative of all SMCWPPP Permittees, including the City of San Mateo, given the consistency between the scope, implementation, and enforcement of the ordinances. San Mateo and the County adopted the same ordinance. The City developed its % trash reduced estimate using the following assumptions:</p> <ol style="list-style-type: none"> <li>1) Single use plastic bags comprise 8% of the trash discharged from stormwater conveyances, based on the Regional Trash Generation Study conducted by BASMAA;</li> <li>2) 95% of single use plastic bags distributed in the City are affected by the implementation of the ordinance, based on the County of San Mateo's Environmental Impact Report.</li> <li>3) Of the bags affected by the ordinance, there are now 90% less bags being distributed, based on customer complaints received by CEH. This is conservative estimate given that in FY 13-14 CEH only received complaints about 4, of the over 1900 businesses in San Mateo County that are affected by the single-use plastic bag ordinances. This results in an 86% effectiveness in reducing bags (90% x 95%). This corresponds to a 2014 San Mateo County Bag Report indicating that orders for bags by retailers to supply their customers dropped approximately 84%.</li> </ol>	<p>Results of assessments conducted by the County of San Mateo on behalf of all municipalities in San Mateo County indicate that the City's/County's ordinance is effective in reducing the number of single use plastic bags in stormwater discharges. Assuming single use bags are 8% of the trash observed in stormwater discharges, the City/County concludes that there has been a 7% (i.e., 8% x 86% effectiveness in reducing bags) reduction in trash in stormwater discharges as a result of the City's ordinance. Single-use plastic bags were previously among the most comment item found at litter cleanup events, and there has been a significant change since the Single Use Bag Ban went into effect. As reported in C.10.b.iii, single-use plastic bags are no longer a dominant type of trash found at our Trash Hot Spots.</p>	7%
<b>Expanded Polystyrene Food</b>	<p>The EPS ban addresses expanded polystyrene foam food service ware as trash from all sources including</p>	<p>Although the City has adopted and implemented an ordinance prohibiting the distribution of EPS food ware by food vendors, evaluations of the effectiveness of the ordinance</p>	<p>Results of assessments that are representative of the City, but were conducted by the</p>	5%

C.10.b.iv ► Trash Reduction – Source Controls				
Provide a description of each jurisdictional-wide trash source control action implemented to-date. For each control action, identify the trash reduction evaluation method(s) used to demonstrate on-going reductions, summarize the results of the evaluation(s), and estimate the associated reduction of trash within your jurisdictional area. Note: There is a maximum of 10% total credit for source controls.				
<b>Service Ware Ordinance</b>	pedestrian, vehicles, container management, and illegal dumping. The City Council adopted the Ordinance banning Polystyrene on May 6, 2013, which went into effect 30 days later. <a href="http://www.cityofsanmateo.org/DocumentCenter/View/37233">http://www.cityofsanmateo.org/DocumentCenter/View/37233</a> . Restaurants and groceries with delis that have not already elected to use less harmful packaging for the safety of their customers, will be required to use more environmentally-friendly packaging. Please read San Mateo County's ordinance for full details.	have not yet been conducted. For the purpose of estimating trash reductions in stormwater discharges associated with the ordinance, the results of assessments conducted by the cities of Los Altos and Palo Alto were used to represent the reduction of trash associated with the City's ordinance. Assessments conducted by these cities were conducted prior to and following the effective date of their ordinances, and include audits of businesses and/or assessments of EPS food ware observed on streets, storm drains and local creeks. The results of assessments conducted by these cities are assumed to be representative of the effectiveness of the City's ordinance because the implementation of the City's ordinance is similar to the City of Los Altos' and Palo Alto's. The City developed its % trash reduced estimate using the following assumptions: 1) EPS food ware comprises 6% of the trash discharged from stormwater conveyances, based on the Regional Trash Generation Study conducted by BASMAA; 2) 80% of EPS food ware distributed by food vendors or sold via stores in the City/County is affected by the implementation of the ordinance; and 3) There is now 95% less EPS food ware being distributed, sold and/or observed in the environment, based on assessments conducted by the City of Palo Alto and City of Los Altos.	cities of Los Altos and Palo Alto, indicate that City's ordinance is effective in reducing EPS food ware in stormwater discharges. This conclusion is based on the following assessment result - an average of 95% of businesses affected by the ordinance are no longer distributing EPS food ware post-ordinance. Based on these results, the estimated average reduction of EPS food ware in stormwater discharges is 90%. Assuming EPS food ware is 6% of the trash observed in stormwater discharges, the City concludes that there has been a 5% (i.e., 6% x 90%) reduction in trash in stormwater discharges as a result of the ordinance.	

**C.10.b.v ▶ Trash Reduction – Receiving Water Monitoring**

Report on the progress of developing and testing your agency’s trash receiving water monitoring program.

In FY 18-19, the City continued implementing the BASMAA Regional Receiving Water Trash Monitoring Program Plan that was approved by the Water Board’s Executive Officer. Implementation included preparing for and conducting qualitative assessments and quantitative monitoring in receiving water locations within the City of San Mateo. Implementation occurred through both the City’s own efforts and participation in the San Mateo County Water Pollution Prevention Program (SMCWPPP). Consistent with MRP requirements, a preliminary report describing data results and findings to-date was submitted to the Water Board via BASMAA on July 1, 2019 on behalf of all Permittees. The final report for the development and testing of the Bay Area trash receiving water monitoring program will be submitted by BASMAA by July 1, 2020, consistent with the MRP requirements, following peer review.

In addition to implementing the BASMAA Monitoring Plan, the City coordinated (via SMCWPPP) on the Statewide Trash Monitoring Methods Project, which is funded by the California Ocean Protection Council and State Water Board and administered via the Southern California Coastal Water Research Project (SCCWRP) and San Francisco Bay Estuary Institute (SFEI).

Additional information on accomplishments in FY 18-19 can be found in the Receiving Water Trash Monitoring Program Progress Report included in the SMCWPPP FY 18-19 Annual Report.

**C.10.c ▶ Trash Hot Spot Cleanups**

Provide the FY 18-19 cleanup date and volume of trash removed during each MRP-required Trash Hot Spot cleanup during each fiscal year listed. Indicate whether the site was a new site in FY 18-19.

Trash Hot Spot	New Site in FY 18-19 (Y/N)	FY 18-19 Cleanup Date(s)	Volume of Trash Removed (cubic yards)				
			FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19
SMO01	N	9/14/2018	0.6	2.2	1.8	1.0	0.4
SMO02	N	9/27/2018	3.5	1.1	0.8	0.6	0.3
SMO03	N	9/24/2018	5.6	11.4	1.5	4.8	1.1

C.10.d ► Long-Term Trash Load Reduction Plan	
<p>Provide descriptions of significant revisions made to your Long-term Trash Load Reduction Plan submitted to the Water Board in February 2014. Describe significant changes made to primary or secondary trash management areas (TMA), baseline trash generation maps, control measures, or time schedules identified in your plan. Indicate whether your baseline trash generation map was revised and if so what information was collected to support the revision. If your baseline trash generation map was revised, attach it to your Annual Report.</p>	
Description of Significant Revision	Associated TMA
<p>In FY 15-16, consistent with all MRP Permittees, all public K-12 schools, college and university parcels were made non-jurisdictional on the City’s baseline trash generation maps. Under California Government Code Section 4450 through 4461, the construction, modification, or alteration of facilities and/or structures on these parcels are under the jurisdiction of the California Division of State Architect and not the City. The public right-of-way (e.g., street and sidewalks) surrounding these parcels remain as jurisdictional on the City’s baseline trash generation maps</p>	<p>All applicable</p>
<p>In FY 18-19, the City refined its Baseline Trash Generation Map based on new information on the levels of trash generated on private lands that drain to inlets located on those properties, but are connected to the City’s MS4. A total of 508 acres of land area was identified by the City in FY 17-18 as draining to inlets located on private lands and potentially generating low levels of trash. The project conducted to identify these areas was described in the City’s FY 17-18 Annual Report and was conducted to address MRP provision C.10.a.ii.b (Trash Generation Area Management - Identification of Private Drainages &gt;10,000 ft<sup>2</sup>). Maps identifying the 508 acres of land area were submitted to the SF Bay Regional Water Quality Control Board (Regional Water Board) in September 2018 with the City’s Annual Report.</p> <p>In an effort to gain additional information of the baseline trash levels on these land areas, the City conducted On-land Visual Trash Assessments (OVTAs) in FY 18-19 on parcels that comprised the 508 acres. These parcels had not been assessed during the initial development of the City’s baseline map, so the OVTAs conducted in FY 18-19 were the first on these parcels. Two field-based OVTAs using OVTA Protocol C – Area-based Survey (EOA 2018) were conducted for each parcel to confirm parcel accessibility, existence of an inlet, and low trash generation levels. Based on previous technical studies (BASMAA 2017), two assessments events with “A” OVTA scores are needed to identify a parcel as “low trash generating.” If the first assessment event yielded an OVTA score other than an “A”, the second assessment event was canceled. Two consultant staff trained in Protocol C conducted all OVTAs. To the extent possible, assessments were performed directly prior to reoccurring trash control measures on parcels in order to depict maximum trash generation levels.</p> <p>Based on the results of the OVTAs, 244 of the 508 acres of original were reclassified as “low trash generation” on the County’s Baseline Trash Generation Map. The refined version of the County’s map can be downloaded at <a href="http://www.flowstobay.org/content/municipal-trash-generation-maps">http://www.flowstobay.org/content/municipal-trash-generation-maps</a>.</p>	

**C.10.e. ► Trash Reduction Offsets (Optional)**

Provide a summary description of each offset program implemented, the volume of trash removed, and the offset claimed in FY 18-19. Also, for additional creek and shoreline cleanups, describe the number and frequency of cleanups conducted, and the locations and cleanup dates. For direct discharge control programs approved by the Water Board Executive Officer, also describe the results of the assessments conducted in receiving waters to demonstrate the effectiveness of the control program. Include an Appendix that provides the calculations and data used to determine the trash reduction offset.

Offset Program	Summary Description of Actions and Assessment Results	Volume of Trash (CY) Removed/Controlled in FY 18-19	Offset (% Jurisdiction-wide Reduction)																																				
<b>Additional Creek and Shoreline Cleanups (Max 10% Offset)</b>	Ryder Park – San Mateo Creek and SF Bay Shoreline <ul style="list-style-type: none"> <li>This location was cleaned five times in 18/19; once during the annual Bayfront Cleanup (Coastal Cleanup Day), and as part of the City’s Team Up to Clean Up volunteer program.</li> </ul> Marina Lagoon Shoreline <ul style="list-style-type: none"> <li>Various locations throughout Marina Lagoon are cleaned at least twice per year; once as part of the annual Bayfront Cleanup (Coastal Cleanup Day), and at least once more as part of the City’s Team Up to Clean Up volunteer program.</li> </ul> <table border="1" data-bbox="422 829 1388 1130"> <thead> <tr> <th>Location</th> <th>Date</th> <th>Number of Volunteers/ Name of Contractor</th> <th>Volume Trash Removed (ga)</th> </tr> </thead> <tbody> <tr> <td>Ryder Park</td> <td>9/15/18</td> <td>836</td> <td>3,124.26</td> </tr> <tr> <td>Marina Lagoon North</td> <td>9/15/18</td> <td>32</td> <td>347.14</td> </tr> <tr> <td>Marina Lagoon South</td> <td>9/15/18</td> <td>55</td> <td>520.71</td> </tr> <tr> <td>Marina Lagoon</td> <td>3/16/19</td> <td>37</td> <td>520.71</td> </tr> <tr> <td>Ryder Park</td> <td>3/24/19</td> <td>30</td> <td>888.75</td> </tr> <tr> <td>Ryder Park</td> <td>4/22/19</td> <td>27</td> <td>821.25</td> </tr> <tr> <td>Ryder Park</td> <td>5/23/19</td> <td>13</td> <td>405</td> </tr> <tr> <td>Ryder Park</td> <td>5/30/19</td> <td>12</td> <td>371.25</td> </tr> </tbody> </table>	Location	Date	Number of Volunteers/ Name of Contractor	Volume Trash Removed (ga)	Ryder Park	9/15/18	836	3,124.26	Marina Lagoon North	9/15/18	32	347.14	Marina Lagoon South	9/15/18	55	520.71	Marina Lagoon	3/16/19	37	520.71	Ryder Park	3/24/19	30	888.75	Ryder Park	4/22/19	27	821.25	Ryder Park	5/23/19	13	405	Ryder Park	5/30/19	12	371.25	34.8	NA
Location	Date	Number of Volunteers/ Name of Contractor	Volume Trash Removed (ga)																																				
Ryder Park	9/15/18	836	3,124.26																																				
Marina Lagoon North	9/15/18	32	347.14																																				
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Ryder Park	5/23/19	13	405																																				
Ryder Park	5/30/19	12	371.25																																				
<b>Direct Trash Discharge Controls (Max 15% Offset)</b>	NA	NA	NA																																				

Appendix 10-1. Baseline trash generation and areas addressed by full capture systems and other control measures in Fiscal Year 18-19.<sup>61</sup>

TMA	2009 Baseline Trash Generation (Acres) <sup>62</sup>					Trash Generation (Acres) in FY 18-19 After Accounting for Full Capture Systems					Jurisdiction-wide Reduction via Full Capture Systems (%)	Trash Generation (Acres) in FY 18-19 After Accounting for Full Capture Systems and Other Control Measures				
	L	M	H	VH	Total	L	M	H	VH	Total		L	M	H	VH	Total
1	0	3	72	0	75	75	0	0	0	75	7.2%	75	0	0	0	75
2	301	275	256	0	832	323	274	235	0	832	2.1%	646	177	9	0	832
3	492	601	308	0	1,401	810	420	170	0	1,401	18.1%	1,041	343	0	0	1,401
4A	19	17	5	0	41	21	16	4	0	41	0.1%	29	11	0	0	41
4B	90	146	25	0	261	118	125	18	0	261	1.2%	188	70	4	0	261
5	4,063	26	78	0	4,168	4,066	26	76	0	4,168	0.3%	4,155	12	0	0	4,168
Totals	4,965	1,068	744	0	6,777	5,412	862	503	0	6,777	29.5%*	6,160	603	13	0	6,777

\*The jurisdiction-wide reduction reported for full capture systems includes 0.5% reduction for treatment of 20.2 acres of non-jurisdictional public K-12, college and university school land areas.

**Section 11 - Provision C.11 Mercury Controls**

**C.11.a ► Implement Control Measures to Achieve Mercury Load Reductions**  
**C.11.b ► Assess Mercury Load Reductions from Stormwater**

See the Countywide Program's FY 2018/19 Annual Report for updated information on:

- Documentation of mercury control measures implemented in our agency's jurisdictional area for which load reductions will be reported and the associated management areas;
- A description of how the BASMAA Interim Accounting Methodology<sup>70</sup> was used to calculate the mercury load reduced by each control measure implemented in our agency's jurisdictional area and the calculation results (i.e., the estimated mercury load reduced by each control measure);
- Supporting data and information necessary to substantiate the load reduction estimates; and
- For Executive Officer approval, any refinements, if necessary, to the measurement and estimation methodologies to assess mercury load reductions in the subsequent permit.

**C.11.c ► Plan and Implement Green Infrastructure to Reduce Mercury Loads**

See the Countywide Program's FY 2018/19 Annual Report for information on the quantitative relationship between green infrastructure implementation and mercury load reductions, including all data used and a full description of models and model inputs relied on to establish this relationship."

**C.11.e ► Implement a Risk Reduction Program**

A summary of Countywide Program and regional accomplishments for this sub-provision are included in the Countywide Program's FY 2018/19 Annual Report.

<sup>70</sup>BASMAA 2017. Interim Accounting Methodology for TMDL Loads Reduced, Version 1.0. Prepared for BASMAA by Geosyntec Consultants and EOA, Inc., September 19, 2016.



**Section 12 - Provision C.12 PCBs Controls**

**C.12.a ► Implement Control Measures to Achieve PCBs Load Reductions**

**C.12.b ► Assess PCBs Load Reductions from Stormwater**

See the Countywide Program's FY 2018/19 Annual Report for:

- Documentation of PCBs control measures implemented in San Mateo County municipal jurisdictional areas for which load reductions will be reported and the associated management areas;
- A description of how the BASMAA Interim Accounting Methodology<sup>71</sup> was used to calculate the PCBs load reduced by each control measure implemented in San Mateo County municipal jurisdictional areas and the calculation results (i.e., the estimated PCBs load reduced by each control measure);
- Supporting data and information necessary to substantiate the load reduction estimates; and
- For Executive Officer approval, any refinements, if necessary, to the measurement and estimation methodologies to assess PCBs load reductions in the subsequent permit.

**C.12.c ► Plan and Implement Green Infrastructure to Reduce PCBs Loads**

See the Countywide Program's FY 2018/19 Annual Report for, as part of reporting for C.12.b.iii(2), an estimate of the amount of PCBs load reductions resulting from green infrastructure implementation during the term of the Permit, including all data used and a full description of models and model inputs relied on to generate the estimate.

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<sup>71</sup>BASMAA 2017. Interim Accounting Methodology for TMDL Loads Reduced, Version 1.1. Prepared for BASMAA by Geosyntec Consultants and EOA, Inc., September 19, 2017.

**C.12.f. ► Manage PCB-Containing Materials During Building Demolition**

On July 1, 2019, was your agency ready to implement a method for identifying applicable structures (buildings built or remodeled between 1950 and 1980, except that single family residential and wood-framed buildings are exempt) that apply for a demolition permit?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
On July 1, 2019, was your agency ready to implement a method to manage PCBs during demolition of applicable structures? <sup>72</sup>	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
Does your agency have a data-gathering method in place to inform reporting on the effectiveness of your agency’s program to manage PCBs during demolition of applicable structures (e.g., the number of applicable structures, and the amount and concentration of PCBs in priority building materials in applicable structures)?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No

**C.12.h ► Implement a Risk Reduction Program**

A summary of Countywide Program and regional accomplishments for this sub-provision are included in the Countywide Program’s FY 2018/19 Annual Report.

<sup>72</sup> The new PCBs screening/sampling program itself is considered a stormwater control method for PCBs during demolition of applicable structures, consistent with the requirements of MRP C.12.f. The overall program will lead to management of priority PCBs-containing materials during demolition. For example, the project applicant is required to characterize PCBs concentrations in priority building materials and then must certify that “...I understand my responsibility for knowing and complying with all relevant laws and regulations related to reporting, abating, and handling and disposing of PCBs materials and wastes”, which should result in removal and proper disposal of PCBs-containing materials during demolition of an applicable structure (especially when PCBs concentrations are ≥ 50 ppm).

Section 13 - Provision C.13 Copper Controls

**C.13.a.iii.(3) ► Manage Waste Generated from Cleaning and Treating of Copper Architectural Features**

Provide summaries of permitting and enforcement activities to manage waste generated from cleaning and treating of copper architectural features, including copper roofs, during construction and post-construction.

Summary:

During construction, municipal construction stormwater inspectors are responsible for identifying copper architectural features and whether appropriate BMPs are implemented. Any issues noted are documented and enforcement actions recorded in the Provision C.6 inspection records. Post-construction municipal illicit discharge inspectors are responsible for responding to, investigation and identifying illegal discharge of wash water from washing copper architectural features. Any enforcement actions or reported discharges are recorded in the Provision C.5 inspection records. The SMCWPPP "Requirements for Architectural Copper" Fact Sheet is made available to the public, construction inspectors and illicit discharge inspectors on the SMCWPPP website <https://www.flowstobay.org/files/newdevelopment/flyersfactsheets/ArchitecturalcopperBMPs.pdf> . Inspectors are made aware of the concerns with copper architectural features at SMCWPPP Training Workshops and internal municipal trainings.

**C.13.b.iii.(3) ► Manage Discharges from Pools, Spas, and Fountains that Contain Copper-Based Chemicals**

Provide summaries of any enforcement activities related to copper-containing discharges from pools, spas, and fountains.

Summary:

Upon review of our Provision C.5 illicit discharge inspection data, there were zero discharges from residential pools in FY 18-19, and no resulting enforcement actions. Outreach materials (Our Water Our World, "Maintenance Tips for Pools, Spa's, and Fountains) are available as needed to inform residents of the potential for copper in the discharges from their pools.

**C.13.c.iii ► Industrial Sources Copper Reduction Results**

Based upon inspection activities conducted under Provision C.4, highlight copper reduction results achieved among the facilities identified as potential users or sources of copper, facilities inspected, and BMPs addressed.

Summary:

The City does not have any industrial sources of copper. During the reporting period the City inspected 33 commercial automotive facilities and 24 other commercial facilities with copper potential including machine shops, recycling facilities, material storage areas, etc. The City issued 16 enforcement actions for these types of commercial businesses: 5 verbal warning, 10 written warnings, 1 Notice of Violation, all related to BMP non-compliance. Violation types included trash/waste handling, improper materials storage, inadequate equipment maintenance, etc. All violations were ultimately corrected, resulting in BMPs being implemented and reduction of potential copper discharges.

**Section 15 -Provision C.15 Exempted and Conditionally Exempted Discharges**

**C.15.b.vi.(2) ► Irrigation Water, Landscape Irrigation, and Lawn or Garden Watering**

Provide implementation summaries of the required BMPs to promote measures that minimize runoff and pollutant loading from excess irrigation. Generally the categories are:

- Promote conservation programs
- Promote outreach for less toxic pest control and landscape management
- Promote use of drought tolerant and native vegetation
- Promote outreach messages to encourage appropriate watering/irrigation practices
- Implement Illicit Discharge Enforcement Response Plan for ongoing, large volume landscape irrigation runoff.

Summary:

The City supports and participates in countywide outreach efforts and use materials provided by the County in promoting pollution prevention in local roads and waterways. The City's website <https://www.cityofsanmateo.org/140/Environmental-Compliance> presents the many Pollution Prevention programs administered by the City that promote the reduction of pollutants in the environment and how they can be transported in runoff. The webpage include links to FlowstoBay for water conservation ideas and other County-wide programs and promotes to residents and businesses in San Mateo:

- Use of Best Management Practices
- Using Integrated Pest Management
- Reducing Pet Waste

The City's website <https://www.cityofsanmateo.org/3398/Promotional-OffersRebates> provides links to:

- SMCWPPP Rain Barrel Program
- Car wash BMPs
- Mattress recycling program

Related countywide efforts may be described in the following sections of the SMCWPPP FY 2018/19 Annual Report: C.3 New Development and Redevelopment, C.7. Public Information and Outreach, C.9. Pesticide Toxicity Control, and C.15 Exempted and Conditionally Exempted Discharges.

101 EXPRESS SMOG	BELMONT SMOG EXPRESS
2ND AV MARKET	BEN TRE VIETNAMESE CUISINE
3 BEES COFFEE	BENSON AND SON ELECTRIC
3RD AV SPORTS BAR & GRILL	BIG E AUTOMOTIVE
7 STARS FOOD DELI & LIQUOR	BIG O TIRES & SERVICE CENTER
99 RANCH MARKET	BILL'S HOFBRAU
ABC CAFÉ	BJ'S RESTAURANT
ABC CHAUFFEURED LIMOUSINES	BLUE BOTTLE COFFEE
AIRPORT TOWING	BO JONSSON'S AUTO
AL CARBON	BOILING POINT
ALADDIN GOURMET	BON APPETIT BRIDGEPOINTE
ALL CAR AUTO BODY	BON APPETIT MANAGEMENT COMPANY
ALL SPICE	BOREL SQUARE UNION 76
AMA TIRES & WHEELS	BROOKSIDE SKILLED NURSING
AMERICAN EAGLE ROOFING & SHEET METAL INC	BURGER I M
AMICI'S EAST COAST PIZZERIA	BURI TARA THAI CUISINE
ANDERSEN BAKERY & CAFÉ	BZ BEE MARKET
ANDES CAFÉ	CAFÉ SAVINI
APPLE FRITTER	CAFÉ TSUI WAH
ARCO	CAKE CREATIONS
ARMADILLO WILLY'S BARBECUE	CALIFORNIA CATERING (ELKS LODGE)
ATRIA HILLSDALE	CALIFORNIA PIZZA KITCHEN
ATTIC & B STREET STATION	CAMBOWAN VILLAGE FOOD
AUTO EUROPA	CAR WASH COFFEE
AUTO SOLIS REPAIR	CARNEY REFRIGERATION
AUTO WERKS DETAILING	CENTRAL PARK BISTRO
AUTOKRAFT	CENTURY THEATRES (CENTURY 12 SAN MATEO)
AUTOWRX	CFOOD CRUSH
AYALA PRODUCE MARKET	CHAMPAGNE SEAFOOD RESTAURANT
AZIZA PIZZA CAFÉ	CHARLIE'S TAQUERIA
BAMBU DESSERTS & DRINKS	CHARM THAI EATERY
BANGKOK PATIO	CHATIME
BAY AREA CORPORATE CATERING	CHAVEZ SUPERMARKET
BAY AREA TREE CO INC	CHEF ZHAO BISTRO
BAY VIEW CAFÉ	CHEUNG HING
BAY WATCH RESTAURANT	CHEVRON AUTO SERVICE
BEACH HUT DELI	CHEVRON OIL STOP
BEARD PAPA'S SWEETS	CITY OF SAN MATEO CORP YARD
BEEBLE CLINIC	CITY OF SAN MATEO PARKS YARD

CITY OF SAN MATEO WWTP	FIRE WINGS
CLAY OVEN CUISINE OF INDIA	FLETCH'S
CLEAN MACHINE CAR WASH	FOREIGNER
CLEARWATER CAR WASH	FOSTER CITY CHEVRON #5056
COBANI GYRO & KEBAB	FOSTER CITY TOUCHLESS
CONTI CAR CARE	FUJI SUKIYAKI
CRYSTAL SPRINGS FISH AND POULTRY	FUZION WELDING
CRYSTAL SPRINGS PRODUCE	GAU POANG CHINESE RESTAURANT
CUP OF BLOOMS	GILEAD SCIENCES
CURRY UP NOW	GIUSEPPES PASTA TO GO
CVS PHARMACY #9879	GOBI MONGOLIAN GRILL
DAIKI SUSHI	GOLDEN BELL DONUTS
DASH JAPANESE TAPAS & OMAKASE	GOLDEN WOK RESTAURANT
DE MARTINI/ARNOFF PAINTING CO INC	GREEN ELECTRIC
DEANS PRODUCE	GUCKENHEIMER AT GUIDEWIRE
DEBBIES CLEANERS	H & D AUTO REPAIR
DEL MOTORS	HABIT BURGER
DENNY'S RESTAURANT #171	HALLOWEEN CITY
DESSERT REPUBLIC	HALO INDUSTRIES
DIDDAMS PARTY AND TOY STORE	HASSETT HARDWARE
DOMINO'S PIZZA	HEIDI'S PIES
DONUT DELITE	HILLSDALE ARCO
DOSA N BIRYANI	HILLSDALE HIGH SCHOOL
DOWNTOWN TIKI LOUNGE, THE DRAEGERS SUPERMARKET (& VIOGNIER REST.)	HIMAWARI TEI
DUCKY'S CAR WASH	HONDEVILLE
DURANS AUTO GLASS	HOT WOK BISTRO
EDEN SILK ROAD	HOT WOK CAFE
EDMONDS PLAZA FLORIST INC	HOTARU
ESPETUS CHURRASCARIA	HOWARD TIRE/ WHEEL WORKS
ESPOSTO'S DELICATESSAN	HUMMUS
ESTATE COFFEE	ICE OASIS SAN MATEO
EUROPEAN CAR CARE	ICICLE CREAM ROLL
EXTENDED STAY	IKE'S AUTO SERVICE
EY LABORATORIES INC	ILLUMINA
FIELDWORK	INCHINS BAMBOO GARDED
FIERO CAFFE	INDIA GROCERY AND SPICE
FIESTA CLEANERS	INSHOU JAPANESE CUISINE
FIESTA LATINA	INTEGRITY MOTORS
	INTERNATIONAL AUTO BODY
	IZAKAYA MAI

IZMIRIAN ROOFING AND SHEET METAL  
J AND C ONE HOUR CLEANERS  
J AND D RECYCLING  
JERSEY MIKES SUBS  
JIFFY LUBE #608  
JOE AND THE JUICE  
JUN YUE CHINESE RESTAURANT  
JW MCCLENAHAN COMPANY  
KAFFEEHAUS  
KANO AUTOMOTIVE  
KAORI  
KARAAGE BURGER  
KAZ TERIYAKI GRILL  
KINGKAT BAR AND EATERY  
KITCHENTOWN  
KOJA KITCHEN  
KOKKO  
KURO OBI BY IPPUDO  
L & L HAWAIIAN BBQ  
LA FONDA DE SAN MATEO, INC.  
LA HACIENDA MARKET  
LA MORENITA MARKET  
LA NORTENA TORTILLA FACTORY  
LA PINATA MARKET  
LA'S CAFÉ  
LAS PALOMAS TAQUERIA  
LE BOULANGER INC  
LESLEY TOWERS  
LESLIES POOL SUPPLIES #911  
LITTLE CAESAR'S PIZZA  
LITTLE CHINA KITCHEN  
LITTLE HUNAN  
LITTLE SHANGHAI  
LITTLE SHEEP MONGOLIAN HOT POT  
LIUYISHOU HOTPOT, SAN MATEO  
LORAL LANDSCAPING  
LORAL LANDSCAPING  
LOS MORENO TAQUERIA  
LOS PRADOS TOWING  
M B GARAGE

MAMA'S VIETNAMESE CUISINE  
MARINA FOOD #1  
MARIOS BON DÉCOR INC  
MARUYAMA  
MA'S AUTO BODY  
MCDONALD'S #5804  
MCDONALDS RESTAURANT  
MENDOCINO FARMS SANDWICH  
MARKET  
MEYER PLUMBING SUPPLY  
MICHAELS STORES #5051  
MIDICI THE NEAPOLITAN PIZZA  
COMPANY  
MILLS SQUARE  
MILLS-PENINSULA HEALTH SERVICES  
MINAKO ORGANIC-ISH JAPANESE  
CUISINE  
MOLLIE STONE'S MARKET  
MORDISKO CAKES  
MOTOR MASTERS AUTOMOTIVE  
MOTORSPORT DIVISION  
MR PICKLES SANDWICH SHOP  
MR. PIZZA MAN  
MS AUTO REPAIR  
N PENINSULA VETERINARY  
EMERGENCY CLINIC  
NEAL'S COFFEE SHOP  
NEELAM SUPERMARKET  
NEW A-1 CLEANERS INC.  
NEW SAIGON  
NEW WING FAT  
NIJIYA MARKET  
NI-MO JAPANESE CUISINE  
NINI'S COFFEE SHOP  
NOODLE SHOP  
NOODLES & THINGS  
NORDSTROM CAFE  
NORTH BEACH PIZZA  
OCEANIC RESTAURANT  
OIDON RESTAURANT  
OLD TOWN RAMEN  
O'NEILLS IRISH PUB

ORIGINAL NICK'S PIZZERIA & PUB	ROUND TABLE PIZZA
OU-TONG THAI CUISINE	ROUND TABLE PIZZA #1000
PALM AVENUE MOTORS	ROUND TABLE PIZZA #880
PALM LIQUORS	SAFEWAY STORES #639
PANCHO VILLA TAQUERIA	SAFEWAY STORES #694
PANDA EXPRESS #3018	SAFEWAY STORES #970
PANTRY RESTAURANT, THE	SAGE CTRS FOR VETERINARY SPECIALTY CARE
PAPA JOHN'S PIZZA	SAIGON CITY RESTAURANT
PARAMOUNT COLLISION	SAJJ
PATIO COFFEE SHOP #1	SAN MATEO - FOSTER CITY SCHL DIST MAINT
PEKING ALLEY	SAN MATEO BEACON
PENINSULA CHEMICAL CO	SAN MATEO HIGH SCHOOL
PENINSULA ITALIAN AMERICAN SOCIAL CLUB	SAN MATEO HOLIDAY CLEANERS
PENINSULA REGENT	SAN MATEO PRECISION IRON WORK
PETER PAN MOTORS	SAN MATEO PRIME
PHO ELEMENT	SAN MATEO UHSD BUS YARD
PHO LITTLE SAIGON	SANDWICH MONKEY
PIAZZA'S FINE FOODS	SANTA RAMEN
PICCADILLY CATERING	SARKU JAPAN
PIER 1 IMPORTS #247	SATELLITE DIALYSIS CENTERS INC
PIROOZ MARKET	SEE U
PIZZA MY HEART	SENIORE'S PIZZA
PLAZA GOURMET	SHABU WAY
POKE ISLAND CRE-ASIAN	SHARETEA
POPPIES	SHENG KEE BAKERY
PRECISION TUNE AUTO CARE	SILVER HOUSE RESTAURANT
PRESS ON CLEANERS	SILVER LAKE SEAFOOD REST
PROLINE AUTO BODY	SMART & FINAL #453
QUBE	SMOG N GO
RAMEN PARLOR	SONY COMPUTER ENTERTAINMENT AMERICA
RAVIOLI HOUSE	SOON'S TOFU AND KOREAN BBQ
RAY'S HAWAIIAN BBQ	SPICY EMPIRE
RED GIANT COFFEE	SPIRIT HALLOWEEN SUPERSTORE
REDLINE TOWING	ST MATTHEWS EPISCOPAL DAY SCHOOL
REPLANET LLC	STARBUCKS
RICKSHAW CORNER	STARBUCKS COFFE #613
ROAM ARTISAN BURGERS	STARBUCKS COFFEE #5336
ROMOLO'S CANNOLI	STARBUCKS COFFEE #5602
ROUND TABLE PIZZA	



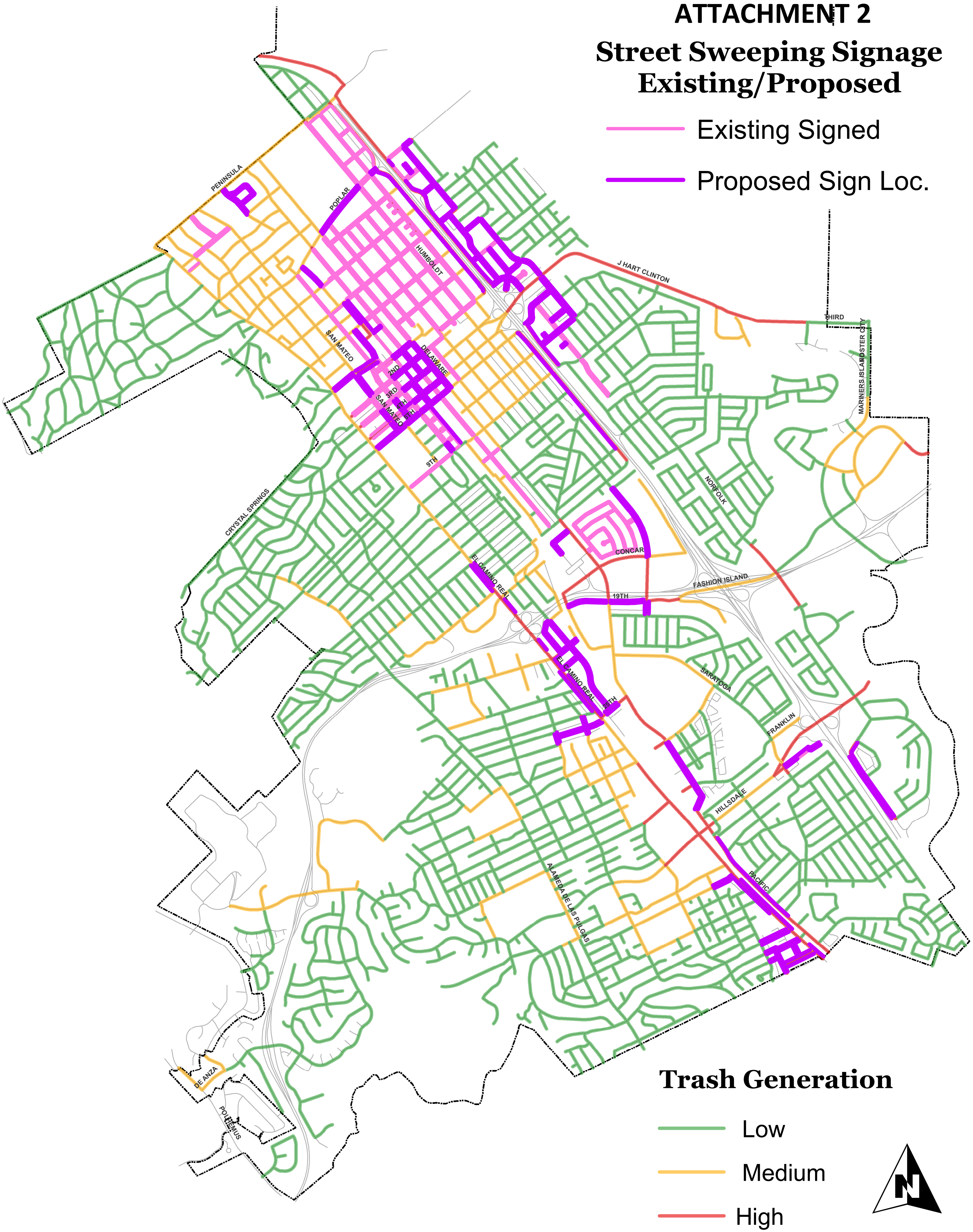
STARBUCKS COFFEE #5692  
STARBUCKS COFFEE #6718  
STARBUCKS COFFEE #9339  
STERLING COURT  
STONEMAN FABRICATIONS  
STRATFORD, THE  
SUBWAY SANDWICHES #25577  
SUBWAY SANDWICHES #52556  
SUNRISE ASSISTED LIVING  
SUPER CUE CAFÉ  
SURUKI SUPERMARKET  
SUSHI SAM'S  
SUSHI YOSHIKUMI  
SWEETGREEN  
SWINGING DOOR PUB  
TABLA INDIAN RESTAURANT  
TACO BELL #1295  
TACO BELL #3048  
TACOS AL VAPOR NUEVA ITALIA  
TACOS EL GRULLENES C AND D  
TAISHOKEN  
TANGO'S AUTO CENTER  
TANNOURINE RESTAURANT  
TAQUERIA LAS CAZUELAS  
TAQUERIA LOS PRIMOS  
TAQUERIA LOS PRIMOS #2  
TARGET STORE #1122  
TEASPOONS DRINKS AND DESSERTS  
THAIGER THAI  
THE BARREL BISTRO AND WINE BAR  
THE BENZ DOCTOR BODY SHOP  
THE FOUR CAR GARAGE  
THE HALAL GUYS

THE HOME DEPOT STORE #0632  
THIRD AVENUE SHELL  
THONGLOR THAI BISTRO  
TOKIES  
TOKYO VILLAGE  
TOTORO RAMEN  
TOTO'S PIZZERIA & RESTAURANT  
TOWN OF DUMPLING  
TRADER JOES #245  
TRADER JOES #67  
TRUFFLE BUTTER POKE BAR  
UJI TIME DESSERT  
UNDE TESU CHEESECAKE  
URBAN MOMO  
US 101 AUTO BODY  
USPS VEHICLE MAINT FACILITY  
VCA BAYSHORE ANIMAL HOSPITAL  
VERSAILLES CONDOMINIUMS  
VESPUCCI RISTORANTE ITALIANO  
VIDEO LOCO  
VILLAGE HUMMUS  
WAREHOUSE BUFFET, THE  
WHEEL WORKS  
WHOLE FOODS MARKET  
WING FAT RESTAURANT  
WING STOP #762  
WONDERFUL  
WURSTHALL  
YAYOI  
YU-RAKU JAPANESE RESTAURANT  
YUZU  
ZOOX LABS, INC

# ATTACHMENT 2

## Street Sweeping Signage Existing/Proposed

- Existing Signed
- Proposed Sign Loc.



### Trash Generation

- Low
- Medium
- High