



City of Oakland Municipal Regional Permit 2023-2024 Annual Report

September 30, 2024

National Pollutant Discharge Elimination System (NPDES) Stormwater Permit #CAS612008

Prepared by: City of Oakland Public Works (OPW) Bureau of Design and Construction, Watershed and Stormwater Management Division

City of Oakland Contributors: OPW Bureaus of Environment, Maintenance and Internal Services, and Design and Construction; Planning and Building Department; Fire Department; Department of Transportation, Economic and Workforce Development, Housing and Community Development, Human Services Department, and the City Administrator's Office



Trash capture device installation at Cary Avenue, funded through a grant from Caltrans.

The device will capture trash, oil, grease, and other pollutants from stormwater runoff, preventing them from entering our waterways. As shown on the map, this device will treat 739 acres.

The City of Oakland has installed 11 of these large devices in other locations, including one also funded by Caltrans that was installed in 2024 at Mandela Parkway and 24th Street.

CITY OF OAKLAND



250 FRANK H. OGAWA PLAZA OAKLAND, CALIFORNIA 94612-2033

Oakland Public Works

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September 27, 2024

Ms. Eileen White
Executive Officer
San Francisco Bay Regional Water Quality Control Board
1515 Clay Street; Suite 1400
Oakland, CA 94612

**RE: Annual Deliverables Report (July 2023–June 2024) Submitted Via SMARTS
Order R2-2022-0018 - NPDES Permit No. CAS612008**

Dear Ms. White,

Enclosed please find the City of Oakland’s Annual Deliverables Report (Report) for the Fiscal Year 2023-2024 (FY 23-24) as required by the California Regional Water Quality Control Board, San Francisco Bay Region Municipal Regional Stormwater National Pollutant Discharge Elimination System (NPDES) Permit.

I certify under penalty of law that these documents 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.

Sincerely,

Terri Fashing
Acting Watershed and Stormwater Division and DD Bond Manager
Watershed and Stormwater Management Division, Oakland Public Works Department, Bureau
of Design and Construction

Section 2 – Provision C.2 Reporting Municipal Operations

Program Highlights

Highlight/summarize activities for reporting year:

Summary:

The City of Oakland conducted municipal operations in accordance and in compliance with the Provision C.2 Municipal Operations section of the Municipal Regional Stormwater Permit (MRP). Staffing and equipment resources remain at equivalent levels, and processes and methods for protecting water quality continue to be implemented.

City staff conducting daily municipal operations implement stormwater pollution prevention Best Management Practices (BMPs) available from the Alameda Countywide Clean Water Program (ACCWP), California Stormwater Quality Association (CASQA), Bay Area Stormwater Management Agencies Association (BASMAA), California Regional Water Quality Control Board (RWQCB), and other entities. During FY 2023-2024, City staff participated in the Municipal Maintenance/Operations Subcommittee, associated workgroups, and trainings.

See the Provision C.2 Municipal Operations section of the ACCWP FY 2023-2024 Annual Report for a description and summary of activities implemented at the countywide and/or regional level.

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, repair, or 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, vacuuming, and/or other dry methods to remove debris, concrete, or sediment residues, and spills or leaks, from work sites upon completion of work

Comments:

The City's Street & Sidewalk Maintenance Division of the Oakland Department of Transportation (DOT) maintains, repairs (such as minor asphalt and pothole repairs), and constructs streets and sidewalks (including street milling and placement of new asphalt on streets and sidewalks). Staff implements typical stormwater Best Management Practices such as storm drain protection and scheduling construction when possible, to avoid rainy weather.

Street milling involves the removal of approximately 2-4 inches of the roadway surface using an asphalt grinder/milling machine. The milling machine is a self-contained with a holding box that loads the ground asphalt onto a conveyer belt that transfers materials into a waiting dump truck. Work crews use a guide person to avoid spillage from and between the milling machine, conveyor belt, and truck. Additionally, a skip loader follows behind the equipment to ensure remnant pieces of asphalt are picked up. Final cleanup with a box hopper prior to placement of new asphalt includes the use of mechanical broom sweeper vehicles and manual sweeping by City staff.

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

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

Y	Prevention of polluted wash water and non-stormwater from pavement, sidewalk and plaza cleaning, mobile cleaning, outdoor pressure washing operations, and washing down of trash areas and gas station or mobile fueling service areas from discharging to storm drains
Y	Inclusion of sanitizing procedures in BMPs for washing down outside areas of human habitation
Y	Implementation of BMPs such as those included in the BASMAA Mobile Surface Cleaner Program
Y	Coordination with sanitary sewer agencies to determine if disposal to the sanitary sewer is available for the wastewater generated from these activities, provided that appropriate approvals and pretreatment standards are met

Comments:

Plaza maintenance and pavement washing is conducted in the City Hall Plaza at Frank H. Ogawa Plaza in Oakland, California.

City staff that conduct sidewalk/plaza maintenance and pavement washing receive both an initial training and continuous on-the-job training.

City Staff are trained to pressure wash materials towards the permeable pavement located in the plaza so that wash water will infiltrate into the substrate. Soaps and/or sanitizers are minimized to reduce potential impacts to water quality. If wash waters containing soaps, sanitizers and/or sediment/particulate matter is generated in plaza maintenance and pavement washing activities, it is vacuumed up using an on-site mini-street sweeper and disposed of in nearby sanitary sewer maintenance holes. These operations are conducted monthly and as-needed.

City staff use a water reclamation unit and/or water flow barriers to reclaim and/or contain pressure wash water from homeless encampment cleanings.

City staff attend bi-weekly safety tailgate meetings. These meetings may include discussions regarding stormwater issues that have arisen on the job or from complaints.

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.

Y	Control of discharges from bridge and structural maintenance activities directly into surface waters or storm drains
Y	Control of non-stormwater and wash water discharges from graffiti removal activities
Y	Proper disposal for wastes generated from bridge and structure maintenance and graffiti removal activities
Y	Employee training on proper capture and disposal methods for wastes generated from bridge and structural maintenance and graffiti removal activities
Y	Contract specifications requiring proper capture and disposal methods for wastes generated from bridge and structural maintenance and graffiti removal activities

Comments:

City staff does not conduct bridge and/or structural maintenance activities directly over a waterbody. City staff may conduct work on portions of a bridge (such as abutments) that fall within the City's jurisdiction from adjacent accessible on-land areas. BMPs are implemented to ensure there are no water quality impacts to nearby storm drain inlets from the work.

If there is a need to conduct bridge and/or maintenance activities over a waterbody, the work is contracted out, and the implementation of BMPs is required in contractual language, the scope of work, and project specifications to avoid impacts to the waterbody.

The City's OPW Department – Keep Oakland Clean and Beautiful (KOCB), Graffiti Abatement, uses the following graffiti abatement methods:

1. Paint over (spray on or roll over)
2. Chemical removal of graffiti (wipe on)
3. Power washing structures with a pressure washer and water reclamation unit

Many structures such as electrical boxes, signs, and bridge structures located within Oakland are not City property or responsibility. Some structures belong to utility companies, such as East Bay Municipal Utility District (EBMUD), Pacific Gas and Electric (PG&E), etc., and the bridge structures may fall under the responsibilities of the California Department of Transportation (Cal-Trans). Maintenance for these non-Oakland owned structures is referred by City staff to the responsible agency for response.

C.2.e. ► Rural Public Works Construction and Maintenance	
Does your municipality own/maintain rural ¹ roads?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If your answer is No , then skip to C.2.f .	
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.	
<input type="checkbox"/>	Control of road-related erosion and sediment transport from road design, construction, maintenance, and repairs in rural areas
<input type="checkbox"/>	Identification and prioritization of rural road maintenance based on soil erosion potential, slope steepness, and stream habitat resources
<input type="checkbox"/>	Constructing roads and culverts that do not impact creek functions, including migratory fish passage
<input type="checkbox"/>	Inspection of rural roads for structural integrity and prevention of impact on water quality
<input type="checkbox"/>	Maintenance of rural roads adjacent to streams and riparian habitat to reduce erosion, replace damaging shotgun culverts, and address excessive erosion
<input type="checkbox"/>	Re-grading of unpaved rural roads to slope outward where consistent with road engineering safety standards, and installation of water bars as appropriate
<input type="checkbox"/>	Inclusion of measures to reduce erosion, provide fish passage, and maintain natural stream geomorphology when replacing culverts or designing new culverts or bridge crossings
Comments (including listing increased maintenance in priority areas):	

¹Rural 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.

C.2.f. ► Corporation Yard BMP Implementation	
Place an X in the boxes below that apply to your corporation 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 Stormwater Pollution Prevention Plan (SWPPP) for the Corporation Yard(s).
Place an X in the boxes below next to implemented SWPPP BMPs to indicate that these BMPs were implemented in applicable instances. If not applicable, type NA 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 in stormwater such as wash water
<input checked="" type="checkbox"/>	Routine inspection of corporation yard(s) in August or September to ensure non-stormwater discharges have not entered the storm drain system and pollutant discharges are prevented to the maximum extent practicable
<input checked="" type="checkbox"/>	Containment of all vehicle and equipment wash areas through plumbing to sanitary sewer or other collection method
<input checked="" type="checkbox"/>	Use of dry cleanup methods when cleaning debris and spills from corporation yard(s) or collection and disposal of all wash water to sanitary sewer or other location where it does not impact surface or groundwater if wet cleanup methods are used
<input checked="" type="checkbox"/>	Require private companies/contractors to use dry cleanup methods when cleaning debris and spills from corporation yard(s) or collect and dispose of all wash water to sanitary sewer or other location where it does not impact surface or groundwater if wet cleanup methods are used
<input checked="" type="checkbox"/>	Cover and/or berm outdoor storage areas containing pollutants
<p>Comments:</p> <p>Inspections of the three City of Oakland corporation yards occurred November 3, 2024. The inspector received subsequent training about the requirement for inspections to take place annually August-September.</p> <p>Another round of inspections took place August 7, 2024. Follow-up items identified in the inspection reports have been completed or are in the process of being completed.</p>	

If you have a corporation yard(s) that is not an NOI facility, for inspection results for your corporation yard(s), complete the following table, provide a narrative above, or attach a summary including the following information:

Corporation Yard Name	Corp Yard Activities w/ site-specific SWPPP BMPs	Inspection Date²	Inspection Findings/Results	Date and Description of Follow-up and/or Corrective Actions
7101 Edgewater Boulevard Municipal Service Center (MSC)	general housekeeping; vehicle/equipment maintenance & repair; fuel dispensing; outdoor material storage; outdoor waste/recycling storage; municipal vehicle/heavy equipment parking; employee parking.	11/3/2023	Staff instructed to: <ul style="list-style-type: none"> Sweep around sand and gravel storage area Ensure engines are covered by hoods or other for junked cars on lot Improve general housekeeping and tidiness 	
		8/7/2024	<ol style="list-style-type: none"> Reinstitute street sweeping within corporation yard – to resume Sept 2024 Remove sediment and trash from storm drains Install storm drain filters to intercept sediment, trash, and oil. Service regularly Improve general housekeeping, including pickup of miscellaneous containers and trash, ensuring all chemical storage containers are labeled correctly Clean up spill near herbicide container Install measures to reduce trackout from sand supply area Cover engines of junked cars Place drip pans underneath leaking vehicles 	<ol style="list-style-type: none"> Regular street sweeping resuming Sept 2024 A request has been put in for Drainage Maintenance staff to clear out the storm drains. This will be completed before the rainy season begins in 2024. Storm drain filters have been priced out and will be ordered and installed in FY24-25. General housekeeping improvements will occur along with regular street sweeping Spill near herbicide container cleaned 8/17/2024 Sweeping and storm drain filters are planned. Engines of junked cars covered 8/21/2024

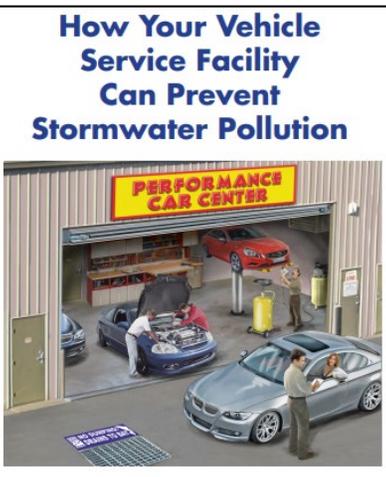
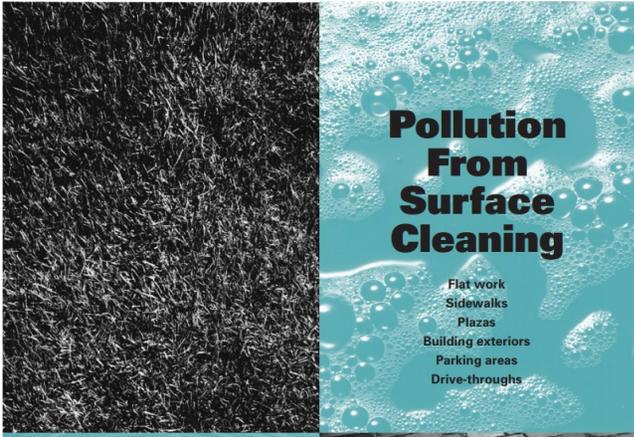
² Minimum inspection frequency is once a year between August 1 and September 30.

			<ol style="list-style-type: none"> 9. Immediately stop car washing 10. Place asphalt oil in secondary containment under cover 	<ol style="list-style-type: none"> 8. Drip pans placed underneath leaking vehicles 8/21/2024 9. Car washing stopped as of 8/7/2024 10. Asphalt oil secondary containment and overhead structure being planned for FY 24-25
5050 Coliseum Way	<p>general housekeeping; vehicle/equipment maintenance & repair; outdoor material storage; outdoor waste/recycling storage; municipal vehicle/heavy equipment parking; employee parking.</p>	11/3/2023	<p>Staff instructed to:</p> <ul style="list-style-type: none"> • Stop discharge from car wash station to storm drain • Prevent leaks and spills from waste bins • Cover waste bins • Improve general housekeeping and tidiness 	
			<ol style="list-style-type: none"> 1. Immediately turn off vehicle washes until fixed 2. Clean out storm drains, apply storm drain filter 3. Reinstigate monthly street sweeping within corporation yard 4. Improve general housekeeping, including pickup of miscellaneous containers and trash, ensuring all chemical storage containers are labeled correctly 	<ol style="list-style-type: none"> 1. Vehicle wash confirmed off 8/28/2024 Facilities has obtained a quote to repair the vehicle wash and associated oil/water separator. The repair is planned for FY 24-25. 2. A request has been put in for Drainage Maintenance staff to clear out the storm drains. And, storm drain filters have been priced out and will be ordered and installed in FY24-25. 3. Street sweeping of the yard scheduled to resume 9/25/2024 4. General housekeeping improvements will occur along with regular street sweeping
Shepherd Canyon	<p>general housekeeping; outdoor material storage; outdoor waste/recycling</p>	11/3/2023	<p>Staff were instructed to:</p> <ul style="list-style-type: none"> • Cover waste bins • Improve general housekeeping and tidiness 	

	storage; municipal vehicle/heavy equipment parking; employee parking.	8/7/2024	<ol style="list-style-type: none"> Cover or repair torn sand bags Reinstitute monthly street sweeping 	<ol style="list-style-type: none"> Sand bag repair completed Sept 2024. Street sweeping of the yard scheduled to resume in fiscal year 24-25. For example, street sweeping completed on 9/26/24.
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C.2.h. ► Staff Training

Dates of Training	Training Topics Covered	Total number of Permittee maintenance staff	Permittee maintenance staff who attended training	
			Number	Percent
October 18, 2023	Alameda Countywide Clean Water Program C.2 training <ul style="list-style-type: none"> Overview of the 2022-23 rainy season – Lessons Learned MRP history Stormwater Best Management Practices Refresher - BMPs for sidewalk and plaza cleaning Overview of Trash Collection App Vendor Demonstrations for sewer and storm cleanout equipment and other cleaning and maintenance equipment 	0* <i>*1 Oakland stormwater management staff attended and shared information with Oakland maintenance staff</i>	0	0
June 13, 2024	Fleet Services staff attended a tailgate training covering a high-level overview of the Municipal Regional Permit, Stormwater Pollution Prevention Plans for Oakland's City Corporation Yards, and Best Management Practices to prevent stormwater pollution at the yards.	16	12	75%
June 14, 2024	Drainage Maintenance staff attended a tailgate training covering a high-level overview of the Municipal Regional Permit, Stormwater Pollution Prevention Plans for Oakland's City Corporation Yards, and Best Management Practices to prevent stormwater pollution at the yards. The three supervisors were trained and they are training the entire team at tailgate meetings.	25	3	12%
September 5, 10, and 11 2024	Fleet Services staff attended a tailgate training covering stormwater pollution prevention best management practices for vehicle	15	15	100%

	<p>maintenance shops. The training was held in three sessions to accommodate various staff schedules and ensure attendance by all. The training covered material from the Alameda Countywide Clean Water Program brochure.</p>				
<p>August 26-30, 2024</p>	<p>Facilities maintenance staff that perform power washing were assigned review of the BASMAA outdoor surface cleaning guidance, and to watch these stormwater pollution prevention training videos for cleaning Video part 1, Video part 2, and provided https://basmaa.org/featured-programs-projects/surface-cleaning-program/ for more information. Five of the six staff that conduct power washing have completed the training. The sixth staffer who has not will do so in fiscal year 24-25.</p> 	<p>6</p>	<p>5</p>	<p>83%</p>	

Comments:

Oakland municipal staff receive general training and refreshers on BMP's through tailgate and other trainings throughout the year for various topics such as maintenance and cleanup activities; Street and Road Repair and Maintenance BMPs; Sidewalk/Plaza Maintenance and Pavement Washing; Bridge and Structure Maintenance and Graffiti Removal; Corporation Yard SWPPPs and BMPs; and Spill and discharge response and notification procedures and contacts.

Department of Transportation staff that work in the field on drainage construction and repair of weirs, catch basins, cross culverts, inlets, and outlets, and/or that work on waterway obstructions clearing, hill reclamation, and gutter cleaning are all trained by crew leaders when onboarded and throughout the year. All field staff attend a hazardous materials handling and spill prevention and cleanup class.

Graffiti removal staff were assigned review of the [BASMAA outdoor surface cleaning guidance](#), and to watch these stormwater pollution prevention training videos for cleaning [Video part 1](#), [Video part 2](#), and provided <https://basmaa.org/featured-programs-projects/surface-cleaning-program/> for more information. Review to be completed in Fiscal Year 2024-2025.

In 2024 Watershed and Stormwater Management staff worked with maintenance supervisors to supply them with training materials tailored to their work tasks and environments.

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.
 See table C.3.b.iv.(2) in this Section C.3 of the report (below)

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.?	X	Yes		No
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Comments (optional): The City requires project proponents to implement all C.3 compliance BMPs on-site and encourages developers to maximize incorporation of Low Impact Development (LID) design on Special Projects. This approach is working well for the City, and given the complexity and cost associated with developing a comprehensive alternative compliance program, the City has not pursued it. Such a program would require formal regulations, clearly defined procedures, review methods, assigned staffing, review fees per the City's Master Fee Schedule, potential legal issues to be addressed with CEQA, and regulatory forms/legal agreements to implement off-site compliance that would encumber subject properties indefinitely. Such a program would also require a new City Ordinance and City Council approval.

C.3.e.v ► Special Projects Reporting

1. In FY 23-24, 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
2. In FY 23-24, 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

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.

See Table C.3.e.v. and narrative discussion below. Each Special Project is included in Table C.3.b.iv.(2) below as well.

C.3.h.v.(2). ► List of Newly Installed¹ Stormwater Treatment Systems and HM Controls

On an annual basis, before the wet season, provide a list of newly installed (installed within the reporting period) stormwater treatment systems and HM controls (for both regulated and non-regulated projects) to the local mosquito and vector control agency and include a copy of that information in the Annual Report. The list shall include the facility locations and a description of the stormwater treatment measures and HM controls installed.

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

1. Did your agency provide the list of newly installed Stormwater Treatment Systems and HM Controls to the Vector Control agency, either individually or through the Countywide Program? (If no, provide an explanation.)	X	Yes		No
2. Is a copy of the communication, including the list of newly installed treatment/HM measures, included in your Annual Report?	X	Yes, See Attachment 3.1		

C.3.h.v.(2). ► Table of Newly Installed² 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 ³ For Maintenance	Type of Treatment/HM Control(s)
Public or Private Regulated Projects			
See attached letter to Alameda County Mosquito and Vector Control District –Attachment 3.1			
Public or Private Non-regulated GI Projects			
See attached letter to Alameda County Mosquito and Vector Control District – Attachment 3.1			

¹“Newly Installed” includes those facilities for which the final installation inspection was performed during this reporting year.
² “Newly Installed” includes those facilities for which the final installation inspection was performed during this reporting year.
³ State the responsible operator for installed stormwater treatment systems and HM controls.

C.3.h.v.(3)(a) – (c) ► Installed Stormwater Treatment Systems Operation and Maintenance Verification Inspection Program Reporting – Private Projects	
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 22-23)	142
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 23-24)	156
Total number of Regulated Projects (including offsite projects, and Regional Projects) for which O&M verification inspections were conducted during the reporting period (FY 23-24). Include only stormwater related inspections.	31
Percentage of the total number of Regulated Projects (including offsite projects, and Regional Projects) inspected during the reporting period (FY 23-24). Include only stormwater related inspections.	22% ⁴

C.3.h.v.(3)(a) – (c) ► Installed Stormwater Treatment Systems Operation and Maintenance Verification Inspection Program Reporting – Public Projects	
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 22-23)	8
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 23-24)	8
Total number of Regulated Projects (including offsite projects, and Regional Projects) for which O&M verification inspections were conducted during the reporting period (FY 23-24). Include only stormwater related inspections.	6
Percentage of the total number of Regulated Projects (including offsite projects, and Regional Projects) inspected during the reporting period (FY 23-24). Include only stormwater related inspections.	75% ⁵

⁴ 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).

⁵ 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).

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.

Private Projects Summary:

These five sites with corrections and access issues are a priority for reinspection in the next fiscal year:

1. 9423 International Blvd. received a correction notice regarding weed removal from flow through planters.
2. Conversations were held with management at 5238 Coronado Ave. about the O&M agreement and reporting schedule: monthly, annual, and every five years.
3. Access and contact challenges at 1717 Webster St. so inspection will be rescheduled.
4. Access and contact challenges at 805 71st Ave. so inspection will be rescheduled.
5. Access and contact challenges at 9777 Golf Links Rd. so inspection will be rescheduled.

Public Projects Summary:

1. 12 St. Bridge Replacement Project – Sites (treatment facilities) 21.1 and 21.2 have received regular litter and debris removal and have been periodically mowed in the areas where grasses now prevail as the dominant vegetation. Identified inlets have been cleared. Will update maintenance approach in FY 24-25 based on design specifications for these facilities. Site 21.3 is within a heavily encamped area of Peralta Park and maintenance there cannot be completed until the encampment is closed. Site 21.3 is slated to be cleared and fenced over the coming months, so re-evaluation will follow.
2. East Oakland Sports Center: All sites (treatment facilities) have had regular litter removal and identified inlets are clear. Design specs will be needed to proceed with maintenance of all sites except 1.4 (which should receive composted mulch and replanting winter of FY 24/25).
3. Rainbow Recreation Center: Removed litter and cleared inlets from sites (treatment facilities) 5.1 and 5.2. Sites 5.3-5.5 have also received regular litter and debris removal, and have most inlets clear. One or more will need additional clearing of vegetation in FY 24-25 from near overflow drains, and some inlets may benefit from cobble placement.
4. Lake Merritt Boat House – Lake Chalet: Staff removed thick vegetation from the main inlet on the west side of the facility in spring of 2024, and the City will continue this process in FY 24-25.
5. Golden Gate Recreation Center: Staff cleared inlets at all three sites (stormwater treatment facilities) during the summer of 2024 and removed litter and debris weekly at this park location. Main inlet of 32.2 is clear at the surface. City drainage maintenance staff will assist with pipe system maintenance in FY 24-25. Replanting of failed vegetation on the upslope portion of site 32.2 will occur in FY 24-25. Site 32.3 will be improved in FY 24-25 to the extent feasible to improve grades.
6. Sailboat House Shoreline Improvement: This facility receives weekly removal of trash and debris and has no observable obstructions or erosion.

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 of the program).

Summary:

Private projects: In earlier years, we revised our maintenance agreement to ensure proper transfer of the O & M requirements to the new owners. This improved interaction with the owners. We continue to have satisfactory overall performance of the maintenance program, particularly with increased inspections from the previous fiscal year. At some sites, the property owner is rarely on site. Thus, one improvement we are making is to include contact information for the property manager and other pertinent on-site staff in our Accela inspection management software.

Public Project Inspections: City of Oakland Public Works Department's Parks and Tree Services Division (PTSD) and Watershed and Stormwater Management Division staff enhanced collaboration in FY 23-24 to improve operations, and maintenance of the City's Regulated Project installed stormwater treatment facilities. This collaboration will continue in FY 24-25.

C.3.i. ► Required Site Design Measures for Small Projects and Smaller 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.

[Landscape Dispersion Fact Sheet- fold and print](#)

[Rain Barrel Fact Sheet- fold and print](#)

[Pervious Paving Fact Sheet – fold and print](#)

[Rain Garden Fact Sheet – fold and print](#)

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. We are using the following ACCWP and BASMAA products for C.3.i implementation:

- BASMAA's site design fact sheets
- ACCWP's [C.3 Technical Guidance Manual](#), Appendix L.

During FY 2023-24 ACCWP did not provide training that addressed Site Design Measures for Small Projects and Smaller Detached Single Family Home Projects.

C.3.j.iii. ► No Missed Opportunities

On an annual basis, submit a list of green infrastructure projects, public and private, that are 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.iii.(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.iii.(2) Table A - Public Projects Reviewed for Green Infrastructure).

Summary of Planning or Implementation Status of Identified Projects:
See tables towards the end of the C.3 section:
C.3.j.iii.(2) ► Table A - Public Projects Reviewed for Green Infrastructure (GSI)
C.3.j.iii.(2) ► Table B - Planned Green Infrastructure Projects During the Permit Term

C.3.j.iv.(2) ► 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.

Please refer to ACCWP's FY 23-24 Annual Report for 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. Locally the City of Oakland has conducted the following outreach and education activities pertaining to Green Infrastructure planning and implementation:

1. Oakland Public Works (OPW) Watershed and Stormwater Management Division (Watershed Division) staff communicated via email with OPW and Department of Transportation Capital Improvement Program (CIP) project management staff to review MRP Provision C.3.j. Green Infrastructure requirements and to coordinate "No Missed Opportunities" reporting. This communication provides an opportunity for project managers to ask technical, design, and regulatory questions about green stormwater infrastructure (GSI) and reminds project managers to evaluate GSI potential at the earliest stages of CIP project planning.
2. City of Oakland staff collaborated with San Francisco Estuary Institute, the Hood Planning Group, and Save The Bay to present a walking tour of green stormwater infrastructure (GSI) projects near Lake Merritt May 29 during the State of the Estuary Conference. The tour highlighted Oakland's GSI projects, barriers to implementation, and the GSI By and For Community project being planned for East Oakland. Approximately 70 people attended.
3. The City completed the [draft Oakland Urban Forest Plan in FY 2023-2024](#). This plan will help the City grow an equitable tree canopy so that all Oaklanders can share the benefits of trees. The Urban Forest Planning effort helped the City obtain an \$8 million grant from the United States Department of Agriculture for the Tree Equity Project. This project is a four-part program that aims to actively improve environmental justice for underserved frontline communities in Oakland through urban forestry by 1) equitably increasing the tree canopy on public and private land, 2) preserving the current tree canopy by addressing deferred maintenance, 3) increasing engagement through public outreach, and 4) providing job opportunities to increase the green sector workforce. Trees clean the air, create shade, enhance physical and mental health, improve water quality, absorb greenhouse gasses, reduce energy use, beautify neighborhoods, foster a sense of community, support wildlife, provide jobs, reduce stormwater runoff, and mitigate climate change.
4. The City maintains green stormwater infrastructure information at www.oaklandca.gov/resources/green-streets-raingardens.
5. See attachment 3.2, GSI Addendum, for additional outreach and education activities pertaining to GSI planning and implementation.



C.3.j.v.(1)(a) ► Non-Regulated (Green Infrastructure) Projects Reporting

Fill in attached table **C.3.j.v.(1)(a)** with information on non-regulated GI projects that have completed construction during the reporting period, or attach your own table including the same information.

One community-driven, EPA-funded non-regulated green stormwater infrastructure project will be constructed in FY 24-25. A bioretention area will be built in the City's right-of-way on a street in Oakland located next to Sausal Creek. The City approved permits needed for the community to build this "Oakland EcoBlock" project (visit webpage at <https://ecoblock.berkeley.edu/2023/07/epa-invests-over-50-million-to-protect-san-francisco-bay-and-its-watersheds-build-resilience-to-climate-change/>).

No private or public non-regulated green stormwater infrastructure projects were completed in FY 23-24, but the City did make progress on public projects that will incorporate bioretention or self-retaining areas and is evaluating GSI potential on projects where GSI could be implemented. See C.3.j.iii.(2) tables for the list of public nonregulated GSI projects that were evaluated for GSI potential.

C.3.j.v.(1)(d) ► Tracking and Mapping Tools

Provide a summary report on the implementation of tracking and mapping tools and provide a link to the component which is available to the public.

Summary Report:
Please refer to the ACCWP's FY 23-24 Annual Report for a summary of implementation of the tracking and reporting tools, and a link to the component which is available to the public.

C.3.j.v.(2) ► Green Infrastructure Plan Implementation

(For FY 2023-24 Annual Report Only) **Report on updates, addenda, and changes to the programmatic implementation of your Green Infrastructure Plan.**

Guidance: Describe how your agency is implementing the GI Plan, including any updates, addenda, and changes to the following items listed in Provision C.3.j.ii.(1).

- Attachment 3.2, City of Oakland Green Stormwater Infrastructure (GSI) Plan Addendum 2024 covers the City's updates on the following:
- Revising implementation mechanisms to include consideration, or reconsideration, of cooperation with non-municipal entities such as schools on GI implementation, and otherwise updating implementation mechanisms as appropriate;
 - Following through with the development or updates of other planning documents with a GI nexus to include language which is supportive of GI implementation (e.g., general plans, specific plans, complete streets plans, etc. as identified in Permittee GI Plans);
 - Developing funding and funding mechanisms identified in GI Plans;
 - Reviewing and updating Countywide GI implementation guidance and standard specifications as appropriate;
 - Continuing to implement the tools developed during the Previous Permit term to track and map completed public and private GI projects, and making the information publicly available;

- Continuing to adopt or amend policies, ordinances, and/or other appropriate legal mechanisms to ensure GI Plan implementation in accordance with MRP Provision C.3 requirements;
- Conducting public education and outreach, including:
 - Outreach and training for professionals involved in infrastructure planning and design;
 - Training appropriate staff (e.g, planning, engineering, public works maintenance, finance, fire/life safety, and management) on GI requirements and methods of implementation; and
 - Educating elected officials (e.g., mayors, city council members, county supervisors, district board members) on GI requirements and methods of implementation.

C.3.j.v.(3) ► Numeric Retrofit Requirements
 In each Annual Report, report on progress made towards the retrofit requirements described in Provision C.3.j.ii.(2).

Guidance – Each Permittee must report on its own individual progress towards the retrofit requirements. Provide a narrative summary of progress made by your jurisdiction toward meeting the numeric retrofit requirement based on information provided in C.3.j.ii.(2) ► Table B - Planned and/or Completed Green Infrastructure Projects and C.3.j.v.(1)(a)► Non-Regulated (Green Infrastructure) Projects Reporting Table (part 1) – Projects Constructed During the Fiscal Year Reporting Period. Report on any non-regulated projects that are in planning, design, or construction phases, or have been constructed since January 1, 2021, or funding provided to such projects. Include any projects that have received funding from outside sources.

Please refer to the ACCWP’s FY 23-24 Annual Report for a summary of progress made towards the retrofit requirements described in Provision C.3.j.ii.(2) at the countywide level.

In addition, in FY 2022-2023, the City hired a team of consultants to implement the Oakland Storm Drain Master Plan Regional Green Stormwater Infrastructure Project Screening and Concept Designs project. This project identified opportunities for multi-benefit stormwater capture projects to provide water quality and flood mitigation benefits. A detailed process was conducted to identify and prioritize sites and develop concepts for three multi-benefit stormwater capture project opportunities. Concept designs were developed and evaluated. Each concept design describes large watershed areas that would be treated by GSI (bioretention) and includes the impervious areas located in old industrial areas and Caltrans jurisdiction to show how and if the project could potentially remove PCBs from stormwater and be eligible for Caltrans funding. If implemented, one of these projects would allow the City to meet the C.3.j.v.(3) numeric retrofit requirements. See Section 3.2 of attachment 3.2 City of Oakland Green Stormwater Infrastructure (GSI) Plan Addendum 2024 for an update on this effort.

C.3.j.v.(6) ► One-time Offset of Numeric Implementation Retrofit Requirements

In FY 2022-23, did your jurisdiction submit a report to offset numeric implementation retrofit requirements by a one-time credit of up to 25 percent? (If no, move to the next table.)	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
Retrofit impervious area treated due to implementation of the ordinance in FY 23-24 (acres):	N/A			

Cumulative area of retrofit impervious area treated due to implementation of the ordinance up to the end of FY 23-24 (acres):	N/A
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C.3.b.iv.(2) ► Regulated Projects Reporting Table (part 1) – Projects Approved During the Fiscal Year Reporting Period

Project Name Project No.	Project Location ⁶ , Street Address	Name of Developer	Project Phase No. ⁷	Project Type & Description ⁸	Project Watershed ⁹	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area (ft ²) ¹⁰	Total Replaced Impervious Surface Area (ft ²) ¹¹	Total Pre- Project Impervious Surface Area ¹² (ft ²)	Total Post- Project Impervious Surface Area ¹³ (ft ²)
Private Projects											
Lifelong Medical	10605 Foothill Blvd	Macarthur Blvd Assoc.	N/A	26,275-square-foot, three-story (approximately 52-foot-tall) medical office building above a ground-level parking garage	San Leandro Bay	.32	.32	12,007	0	0	12,007
3600 Alameda	3600 Alameda	Duke Realty Limited Partnership	N/A	425,000 square-foot, 50' tall distribution warehouse and loading berths, parking	San Leandro Bay	26.5	26.5	219,460	743,794	1,139,116	963,254
7300 Macarthur	7300 Macarthur	Kalpesh Patel	N/A	six-story building with 200 residential units (18 very low- and 2 low-income units), 24,700 sq ft ground-floor retail and non-residential uses and 91 parking spaces	Arroyo Viejo	1.27	1.27	48,421	0	55,327	48,421
EBMUD Willow Service Center	2430 Willow Street	EBMUD	N/A	5,921 sf office building, 754 sf warehouse, material storage and parking	West Oakland	1.84	1.84	75,076	1,839	64,879	76,915
Residence for Aries Skyline Trust	0 Skyline Blvd	Jeffrey Haw	N/A	Single Family Home	Temescal Creek	1.54	.47	10,524	0	0	10,524
Stanford Medicine Sutter Health Cancer Center	3023 Summit / 370 Hawthorne	Sutter East Bay Hospitals	N/A	5-story medical office building	Glen Echo Creek	1.3	1.3	23,461	24,368	51,219	47,829

⁶ Include cross streets

⁷ 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".

⁸ 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.

⁹ State the watershed(s) in which the Regulated Project is located. Downstream watershed(s) may be included, but this is optional.

¹⁰ All impervious surfaces added to any area of the site that was previously existing pervious surface.

¹¹ All impervious surfaces added to any area of the site that was previously existing impervious surface.

¹² For redevelopment projects, state the pre-project impervious surface area.

¹³ For redevelopment projects, state the post-project impervious surface area.

C.3.b.iv.(2) ► Regulated Projects Reporting Table (part 1) – Projects Approved During the Fiscal Year Reporting Period

Project Name Project No.	Project Location ⁶ , Street Address	Name of Developer	Project Phase No. ⁷	Project Type & Description ⁸	Project Watershed ⁹	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area (ft ²) ¹⁰	Total Replaced Impervious Surface Area (ft ²) ¹¹	Total Pre- Project Impervious Surface Area ¹² (ft ²)	Total Post- Project Impervious Surface Area ¹³ (ft ²)
Kenilworth	Kenilworth Road APNs: 048-761500303 through 6	Sven Khatri	N/A	Construction of a new road and associated improvements for seven single family units	Temescal Creek	2.95	2.3	15,469	0	0	15,469
2140 Mandela	2140 Mandela / 2001 Poplar	American Steel	N/A	Parking Lot expansion	West Oakland	6.5	1.377	43,560	11,250	5,600	54,810
International Station Phase II	10550 International Blvd	AMG Associates	N/A revised from 2022- 2023 report	6-story building with 140 100% affordable units	San Leandro Bay	1.08	1.08	18,137	19,747	46,492	37,884
1919 Webster	1919 Webster	1919 Webster, LLC/Ellis Partners	N/A	17-story, 406,000 sf office building	Oakland Estuary	.60	.73	0	26,017	26,017	26,017
3801 Telegraph	3801 Telegraph	Riaz Development	N/A	5-story building with 110 units (20 affordable) and 2,346 sf of retail	West Oakland	.33	.33	4,992	7,982	14,498	12,974
2114 Macarthur	2114 Macarthur	Daniel Ochstein	N/A	6-story building with 44 units and 3,700 sf of ground floor commercial	Sausal Creek	.3	.3	13,328	12,815	0	12,815
533 Kirkham	533 Kirham	TC II 533 Kirkham	N/A	8-story building with 289 units and 2,999 sf of ground floor commercial	Oakland Estuary	1.16	1.16	39,430	50,345	50,345	39,430
430 Broadway	430 Broadway	The Related Company	N/A	5-story building with 71 units and 2,300 sf of ground floor commercial	Oakland Estuary	.58	.58	0	19,355	52,694	19,355
2305 Webster	2305 Webster	Associated Investment Company	N/A	19-story building with 197 dwelling units including 20 affordable units	Oakland Estuary	.43	.43	11,745	6,652	18,835	18,379
Edward Shands Workforce Housing	2455 Church Street	OUSD/Eagle Environmental Construction	N/A	Remodel and convert four school buildings to 48 units, construct two 6-story buildings with 65 dwelling units	Elmhurst Creek	1.149	1.149	29,000	4,679	43,033	29,000

C.3.b.iv.(2) ► Regulated Projects Reporting Table (part 1) – Projects Approved During the Fiscal Year Reporting Period

Project Name Project No.	Project Location ⁶ , Street Address	Name of Developer	Project Phase No. ⁷	Project Type & Description ⁸	Project Watershed ⁹	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area (ft ²) ¹⁰	Total Replaced Impervious Surface Area (ft ²) ¹¹	Total Pre- Project Impervious Surface Area ¹² (ft ²)	Total Post- Project Impervious Surface Area ¹³ (ft ²)
1510 Webster	1510 Webster	OWOW	N/A	19-story building with 236 units with 56 affordable units	Oakland Estuary	.3	14,231	0	14,231	14,231	14,231
Oakland Museum Garden Renovation	100 Oak Street at 10th	Oakland Museum	N/A	Site improvement project including planters, new entrance, hardscape softscape, walkways, plazas and ADA	Oakland Estuary	6.2	.99	14,170	16,980	128,285	31,150
Public Projects											
Lincoln Park Recreation Center Expansion – Project #1004858	250 10th Street at Harrison Street	City of Oakland	N/A	Lincoln Park Recreation Center Expansion	Oakland Estuary	1.39	.99	16,261	22,139	34,670	38,400
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.	Project Status ¹⁴	Estimated or Actual Completion Date ¹⁵	Source Control Measures ¹⁶	Site Design Measures ¹⁷	Treatment Systems Approved ¹⁸	Type of Operation & Maintenance Responsibility Mechanism ¹⁹	Hydraulic Sizing Criteria ²⁰	Alternative Compliance Measures ^{21/22}	Alternative Certification ²³	HM Controls ^{24/25}
Private Projects										
Lifelong Medical	Approved	TBD	Install stenciling at storm drain inlets; plumb interior and parking garage floor drains to sanitary sewer; cover and enclose outdoor equipment areas, discharge air conditioning fire sprinkler test water to on-site vegetated areas or sewer; use sustainable landscape practices	Minimize land disturbance, cluster development, use micro-detention, Direct roof and runoff from sidewalks, walkways, and/or patios runoff onto vegetated areas, use self-treating/self-retaining areas	Flow through planters (100%)	Maintenance Agreement with Owner	2c	Not Applicable	No	Not required; not creating more than 1 acre; post impervious surface; not exceeding pre-impervious surface; not located in susceptible area
3600 Alameda	Approved	TBD	Install stenciling at storm drain inlets; plumb interior and parking garage floor drains to sanitary sewer; cover and enclose trash areas, cover or grade loading area drain to sanitary sewer, discharge air conditioning fire sprinkler test water to on-site vegetated areas	Minimize land disturbance; maximize permeability, use micro detention areas; use self-treating/self-retaining areas, protect sensitive areas, direct runoff from roof and sidewalks, walkways, and/or patios, and driveways onto vegetated areas	Bio-treatment areas (100%)	Maintenance Agreement with Owner	2c	Not Applicable	No	Not required; not exceeding pre-impervious surface; not located in susceptible area

¹⁴ Provide status of project (e.g., application date, application deemed complete date, project approval date).

¹⁵ Provide an estimate of the construction completion date (e.g., specific month and year, or year). If not known, write "TBD" or not available.

¹⁶ 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.

¹⁷ 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.

¹⁸ 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.).

¹⁹ 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.

²⁰ 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).

²¹ 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.iv.(2)(m)(i) for the offsite project.

²² 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.iv.(2)(m)(ii) for the Regional Project.

²³ Note whether a third party was used to certify the project design complies with Provision C.3.d.

²⁴ If HM control is not required, state why not.

²⁵ 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.	Project Status ¹⁴	Estimated or Actual Completion Date ¹⁵	Source Control Measures ¹⁶	Site Design Measures ¹⁷	Treatment Systems Approved ¹⁸	Type of Operation & Maintenance Responsibility Mechanism ¹⁹	Hydraulic Sizing Criteria ²⁰	Alternative Compliance Measures ^{21/22}	Alternative Certification ²³	HM Controls ^{24/25}
			or sewer; use sustainable landscape practices, discharge architectural copper to sewer							
7300 Macarthur	Approved	TBD	Install stenciling at storm drain inlets; plumb interior to sanitary sewer; cover and enclose trash areas, discharge air conditioning fire sprinkler test water to on-site vegetated areas or sewer	Minimize land disturbance; use micro detention areas; use self-treating/self-retaining areas, direct runoff from roof and sidewalks, walkways, and/or patios and driveways onto vegetated areas	Bio-retention areas (100%)	Maintenance Agreement with Owner	3	Not Applicable	No	Not required; not exceeding pre-impervious surface; not located in susceptible area
EBMUD Willow Service Center	Approved	TBD	Install stenciling at storm drain inlets; plumb interior floor drains to sanitary sewer; discharge fire sprinkler test water to on-site vegetated areas or sanitary sewer; sustainable landscaping practices	Direct runoff from roof and sidewalks, walkways, and/or patios and driveways onto vegetated areas	Bio-treatment areas (100%)	Maintenance Agreement with Owner	2c	Not Applicable	No	Not required; not located in susceptible area
Residence for Aries Skyline Trust	Approved	TBD	Plumb interior, parking garage floor drains and pools to sanitary sewer; cover and enclose trash areas, discharge air conditioning fire sprinkler test water to on-site vegetated areas or sewer; use sustainable landscape practices	Minimize land disturbance, cluster development, use micro-detention, Direct roof runoff to cisterns, direct roof and runoff from sidewalks, walkways, and/or patios runoff onto vegetated areas, use permeable materials	Bioswale (100%)	Maintenance Agreement with Owner	1a	Not Applicable	No	Not required; not creating more than 1 acre
Stanford Medicine Sutter Health Cancer Center	Approved	TBD	Plumb interior floor drains to sanitary sewer; discharge air conditioning water and fire sprinkler test water to on-site vegetated areas or sanitary sewer;	Minimize land disturbance; cluster development, use self-treating/self-retaining areas, direct runoff from roof and sidewalks, walkways, and/or patios	Flow through planters and bio-retention areas (100%)	Maintenance Agreement with Owner	1b	Not Applicable	No	Not required; post impervious surface; not exceeding pre-impervious surface; not located in

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.	Project Status ¹⁴	Estimated or Actual Completion Date ¹⁵	Source Control Measures ¹⁶	Site Design Measures ¹⁷	Treatment Systems Approved ¹⁸	Type of Operation & Maintenance Responsibility Mechanism ¹⁹	Hydraulic Sizing Criteria ²⁰	Alternative Compliance Measures ^{21/22}	Alternative Certification ²³	HM Controls ^{24/25}
			sustainable landscaping practices	and driveways onto vegetated areas						susceptible area
Kenilworth	Approved	2024	Install stenciling at storm drain inlets	Cluster development, plant receptor trees; direct runoff from sidewalks, walkways, and/or patios and driveways onto vegetated areas	Bio-retention planters (100%)	Maintenance Agreement with Owner	2c	Not Applicable	No	Not required; not creating more than 1 acre
2140 Mandela	Approval	2024	Install stenciling at storm drain inlets; use sustainable landscape practices	Minimize land disturbance; use micro detention areas; direct runoff from driveways onto vegetated areas	Bio-retention ponds (100%)	Maintenance Agreement with Owner	3	Not Applicable	No	Not required; not located in susceptible area
International Station Phase 11	Approved	Begin 2025	Install stenciling at storm drain inlets; plumb interior floor drains to sanitary sewer; enclose trash/recycling storage areas and design area to prevent storm water run-on; discharge fire sprinkler test water to on-site vegetated areas or sanitary sewer	Minimize land disturbance; use micro detention areas; use self-treating/self-retaining areas, direct runoff from roof and sidewalks, walkways, and/or patios onto vegetated areas	Bio-treatment areas and self-retaining area (100%)	Maintenance Agreement with Owner	2c	Not Applicable	No	Not required; not creating more than 1 acre; post impervious surface; not exceeding pre-impervious surface; not located in susceptible area
1919 Webster	Approved	TBD	Install stenciling at storm drain inlets; plumb interior and parking garage floor drains to sanitary sewer; cover and enclose loading areas, discharge air conditioning fire sprinkler test water to on-site vegetated areas or sewer; use sustainable landscape practices	Direct runoff from sidewalks, walkways, and/or patios runoff onto vegetated areas, use self-treating/ self-retaining areas	Media filter vault (100%)	Maintenance Agreement with Owner	2c	Not Applicable	No	Not required; not creating more than 1 acre; post impervious surface; not exceeding pre-impervious surface; not located in susceptible area

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.	Project Status ¹⁴	Estimated or Actual Completion Date ¹⁵	Source Control Measures ¹⁶	Site Design Measures ¹⁷	Treatment Systems Approved ¹⁸	Type of Operation & Maintenance Responsibility Mechanism ¹⁹	Hydraulic Sizing Criteria ²⁰	Alternative Compliance Measures ^{21/22}	Alternative Certification ²³	HM Controls ^{24/25}
3801 Telegraph	Approved	TBD	Install stenciling at storm drain inlets; plumb interior and parking garage floor drains to sanitary sewer; cover and enclose trash areas, connect sink to a grease interceptor prior to sanitary sewer discharge, discharge air conditioning fire sprinkler test water to on-site vegetated areas or sewer; use sustainable landscape practices	Minimize land disturbance; cluster development, use micro detention areas; use self-treating/self-retaining areas, direct runoff from sidewalks, walkways, and/or patios onto vegetated areas	Old Castle Perk Filter (76%) Bio-retention planters (24%)	Maintenance Agreement with Owner	3	Not Applicable	No	Not required; not creating more than 1 acre; post impervious surface; not exceeding pre-impervious surface; not located in susceptible area
2114 Macarthur	City of Oakland	TBD	plumb interior and parking garage floor drains to sanitary sewer; discharge air conditioning, architectural copper, and fire sprinkler test water to on-site vegetated areas or sewer;	Minimize land disturbance; use self-treating/self-retaining areas, direct roof runoff onto vegetated areas	Flow through planters (100%)	Maintenance Agreement with Owner	2c	Not Applicable	No	Not required; not creating more than 1 acre; post impervious surface; not exceeding pre-impervious surface
533 Kirham	Approved	TBD	Install stenciling at storm drain inlets; plumb interior and parking garage floor drains to sanitary sewer; cover and enclose trash areas, cover outdoor material storage and loading, area drain to sanitary sewer, discharge air conditioning fire sprinkler test water to on-site vegetated areas or sewer; use sustainable landscape practices, discharge	Minimize land disturbance; cluster development, use micro detention areas; use self-treating/self-retaining areas, plant receptor trees, direct runoff from roof and sidewalks, walkways, and/or patios and driveways onto vegetated areas, construct with permeable surfaces	Flow Through Planters (100%)	Maintenance Agreement with Owner	3	Not Applicable	No	Not required; not exceeding pre-impervious surface; not located in susceptible area

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.	Project Status ¹⁴	Estimated or Actual Completion Date ¹⁵	Source Control Measures ¹⁶	Site Design Measures ¹⁷	Treatment Systems Approved ¹⁸	Type of Operation & Maintenance Responsibility Mechanism ¹⁹	Hydraulic Sizing Criteria ²⁰	Alternative Compliance Measures ^{21/22}	Alternative Certification ²³	HM Controls ^{24/25}
			architectural copper to sewer							
430 Broadway	Approved	TBD	Plumb interior and parking garage floor drains to sanitary sewer; discharge air conditioning fire sprinkler test water to on-site vegetated areas or sewer; use sustainable landscape practices	Minimize land disturbance; cluster development, use micro detention areas; use self-treating/self-retaining areas, plant receptor trees, direct runoff from roof and sidewalks, walkways, and/or patios and driveways onto vegetated areas, construct with permeable surfaces	Flow Through Planters (25%) Media Filters (75%)	Maintenance Agreement with Owner	1b/2c	Not Applicable	No	Not required; not creating more than 1 acre; post impervious surface; not exceeding pre-impervious surface
2305 Webster	Approved	TBD	Install stenciling at storm drain inlets; plumb interior and parking garage floor drains to sanitary sewer; cover and enclose trash areas, cover outdoor material storage, discharge air conditioning fire sprinkler test water to on-site vegetated areas or sewer; use sustainable landscape practices	Minimize land disturbance; use micro detention areas; use self-treating/self-retaining areas, direct runoff from sidewalks, walkways, and/or patios and driveways onto vegetated areas	Bio-Retention Planters (38%) Media Filters (62%)	Maintenance Agreement with Owner	1b/2c	Not Applicable	No	Not required; not creating more than 1 acre; post impervious surface; not exceeding pre-impervious surface
Edward Shands Workforce Housing	Approved	TBD	Plumb interior and parking garage floor drains to sanitary sewer; discharge air conditioning fire sprinkler test water to on-site vegetated areas or sewer; use sustainable landscape practices, discharge architectural copper to sewer	Use self-treating/self-retaining areas, plant receptor trees, direct roof runoff to cisterns	Bio-Retention Basin (100%)	Maintenance Agreement with Owner	1b	Not Applicable	No	Not required; not creating more than 1 acre; post impervious surface; not exceeding pre-impervious surface
1510 Webster	Approved	TBD	Install stenciling at storm drain inlets; plumb interior drains to sanitary	Cluster development	Media Filter (100%)	Maintenance Agreement with Owner	2c	Not Applicable	No	Not required; not creating more than 1

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.	Project Status ¹⁴	Estimated or Actual Completion Date ¹⁵	Source Control Measures ¹⁶	Site Design Measures ¹⁷	Treatment Systems Approved ¹⁸	Type of Operation & Maintenance Responsibility Mechanism ¹⁹	Hydraulic Sizing Criteria ²⁰	Alternative Compliance Measures ^{21/22}	Alternative Certification ²³	HM Controls ^{24/25}
			sewer; cover and enclose trash areas, discharge air conditioning fire sprinkler test water to on-site vegetated areas or sewer							acre; post impervious surface; not exceeding pre-impervious surface; not located in susceptible area
Oakland Museum Garden Renovation	Approved	July 2024	Install stenciling at storm drain inlets; use sustainable landscape practices	Minimize land disturbance; cluster development and preserve open space, use micro detention areas; use self-treating/self-retaining areas, direct runoff from sidewalks, walkways, and/or patios onto vegetated areas	Mechanical Filter (100%)	Maintenance Agreement with Owner	2c	Not Applicable	No	Post impervious surface; not exceeding pre-impervious surface; not located in susceptible area

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 ²⁶	Date Construction Scheduled to Begin or Date of Completion	Source Control Measures ²⁷	Site Design Measures ²⁸	Treatment Systems Approved ²⁹	Operation & Maintenance Responsibility Mechanism ³⁰	Hydraulic Sizing Criteria ³¹	Alternative Compliance Measures ^{32/33}	Alternative Certification ³⁴	HM Controls ^{35/36}
Public Projects										
Lincoln Square Recreation Center – Project #1004858	10/2/2023	Begin Summer / Fall 2024	Install stenciling at storm drain inlets; plumb interior drains to sanitary sewer; cover and enclose trash areas, discharge air conditioning fire sprinkler test water to on-site vegetated areas or sewer; use sustainable landscape practices	Minimize land disturbance; cluster development, use micro detention areas; use self-treating/self-retaining areas, direct roof runoff and runoff from sidewalks, walkways, and/or patios onto vegetated areas	Bio-treatment areas (100%)	Maintenance Agreement with Owner	2c	Not Applicable	No	Not required; not creating more than 1 acre; post impervious surface; not exceeding pre-impervious surface; not located in susceptible area
Comments:										

²⁶ For public projects, enter the plans and specifications approval date.

²⁷ 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.

²⁸ 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.

²⁹ 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.).

³⁰ 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.

³¹ 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).

³² 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.iv.(2)(m)(i) for the offsite project.

³³ 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.iv.(2)(m)(ii) for the Regional Project.

³⁴ Note whether a third party was used to certify the project design complies with Provision C.3.d.

³⁵ If HM control is not required, state why not.

³⁶ 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.e.v. Special Projects Reporting Table
 Reporting Period – July 1, 2023- June 30, 2024

Project Name & No.	Permittee	Address	Application Submittal Date ³⁷	Status ³⁸	Description ³⁹	Site Total Acreage	Total Impervious Surface Created / Replaced ⁴⁰ (ft ²)	Gross Density DU/Acre	Density FAR	Special Project Category ⁴¹	Category C Projects: # of DUs in each AMI Category and # of Manager's DUs	LID Treatment Reduction Credit Available ⁴²	List of LID Stormwater Treatment Systems ⁴³	List of Non-LID Stormwater Treatment Systems ⁴⁴
International Station Phase II	City of Oakland	10550 International Blvd	9/18/2023	Approved 2/20/2024 Plans dated 5/1/2024	6-story building with 140 100% affordable units	1.08	18,137	140 units	N/A	Category A N/A Category B N/A Category C Mainly Residential Over 40 units / acre 100% affordable	Total DUs: 140 Moderate: 0 Low: 111 Very Low: 28 Extremely Low: 0 Acutely Low: 0 Manager's Dus:1	Category A N/A Category B Total credit N/A Category C = 100% AMI- 100% Location: within a PDA = 10% >100 units per acre = 15% No surface parking = 5%	Bio-treatment areas and self-retaining area(100%)	N/A
1919 Webster	City of Oakland	1919 Webster	1/25/2022	Approved 9/26/2023 Plans dated 5/19/2023	17-story, 406,000 sf office building	.60	26,017	N/A	20	Category A N/A Category B Location: Located Downtown Create 0.5-2.0 acres impervious surface Non-auto related project 85% lot covered	Not a Cat C Project No residential units	Category A N/A Category B Total credit = 100% Category C NA	N/A	Media Filter (100%) 20,617 sf Project to comply with the ACCWP technical guidance manual TAPE/GULD

³⁷ Date that a planning application for the Special Project was submitted. If a planning application has not been submitted, include a projected application submittal date.

³⁸ 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.

³⁹ Type of project (commercial, mixed-use, residential), number of floors, number of units, type of parking, and other relevant information.

⁴⁰ The total impervious surface in acres created or replaced by the project, which is subject to the treatment requirements listed in Provision C.3.e.ii.(1).

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

⁴² 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.

⁴³ 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.

⁴⁴ 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.

Project Name & No.	Permittee	Address	Application Submittal Date ³⁷	Status ³⁸	Description ³⁹	Site Total Acreage	Total Impervious Surface Created / Replaced ⁴⁰ (ft ²)	Gross Density DU/Acre	Density FAR	Special Project Category ⁴¹	Category C Projects: # of DUs in each AMI Category and # of Manager's DUs	LID Treatment Reduction Credit Available ⁴²	List of LID Stormwater Treatment Systems ⁴³	List of Non-LID Stormwater Treatment Systems ⁴⁴
										Over minimum density Category C N/A				
3801 Telegraph	City of Oakland	3801 Telegraph	7/8/2022	Approved 7/5/2023 Plans dated 5/12/2023	5-story building with 110 units (20 affordable) and 2,346 sf of retail	0.33	12,974	333 units/acre	N/A	Category A N/A Category B N/A Category C Location: Within ½ mile of existing or planned transit hub Non-auto related project Over minimum density	Submitted Prior to MRP 3.0 Total DUs: Above Moderate: 90 Moderate: 20	Category A N/A Category B NA Category C Total credit = 100% Within ¼ mile of existing transit hub= 50% Density: >100 units/acre = 30% No surface parking = 20%	N/A	OldCastle Perk-Filter (80%) 12,974 sf Project to comply with the ACCWP technical guidance manual TAPE/GULD
2114 Macarthur	City of Oakland	2114 Macarthur	10/25/2022	Approved 5/30/24 Plans dated 4/11/2024	6-story building with 44 units and 3,700 sf of ground floor commercial	0.3	12,815	146 units/acre	N/A	Category A Location: CN:3 zone Create/ replace less than .5 acres Not auto related project 85% lot covered Category B N/A Category C N/A	Not a Cat C project	Category A Total credit = 100% Category B N/A Category C NA	Flow through planters (100%)	N/A
533 Kirkham	City of Oakland	533 Kirkham	10/13/2022	Approved 1/3/2024 Plans dated 10/10/223	8-story building with 289 units and 2,999 sf of ground floor commercial	1.16	39,430	248 units/acre	N/A	Category A N/A Category B N/A Category C Location: Within ½ mile of	Submitted Prior to MRP 3.0 and is a Vesting SB330 project Total DUs:	Category A N/A Category B NA Category C Total credit = 80%	Flow through planters (100%)	N/A

Project Name & No.	Permittee	Address	Application Submittal Date ³⁷	Status ³⁸	Description ³⁹	Site Total Acreage	Total Impervious Surface Created / Replaced ⁴⁰ (ft ²)	Gross Density DU/Acre	Density FAR	Special Project Category ⁴¹	Category C Projects: # of DUs in each AMI Category and # of Manager's DUs	LID Treatment Reduction Credit Available ⁴²	List of LID Stormwater Treatment Systems ⁴³	List of Non-LID Stormwater Treatment Systems ⁴⁴
										existing or planned transit hub Non-auto related project Over minimum density	Above Moderate: 128 Very Low: 15	Within ¼ mile of existing transit hub= 50% Density: >100 units/acre = 30%		
430 Broadway	City of Oakland	430 Broadway	3/28/2023	Approved 8/2/2023 Plans dated 7/10/2023	5-story building with 71 units and 2,300 sf of ground floor commercial	.58	19,355	122 units / acre	N/A	Category A N/A Category B N/A Category C Location: Within ½ mile of existing or planned transit hub Non-auto related project Over minimum density	Submitted Prior to MRP 3.0 and is an SB330/SB35 Vesting project Total DUs: Low: 70	Category A N/A Category B NA Category C Total credit = 75% Within a PDA=25% of existing transit hub Density: 100 units/acre = 30% No surface parking = 20%	Flow through planters (25%)	Media Filter (75%)
2305 Webster	City of Oakland	2305 Webster	5/26/2023	Approved 6/4/2024 Plans dated 10/10/23	19-story building with 197 dwelling units including 20 affordable units	.43	18,379	729 units/ acre	N/A	Category A Location: Downtown Create/ replace less than .5 acres No surface parking 85% lot covered Category B N/A Category C N/A	Not a Cat C project	Category A Total credit = 100% Category B N/A Category C NA	Bio-retention planters (38%)	Media Filter (62%)
Edward Shands Workforce Housing	City of Oakland	2455 Church Street	5/20/24	Approved 6/21/2024	Remodel and convert four school buildings	1.149	1.149	98 units/ acre	N/A	Category A N/A Category B	Total DUs: 113 Moderate: 65 Low: 0	Category A N/A Category B	Bio-retention (100%)	N/A

Project Name & No.	Permittee	Address	Application Submittal Date ³⁷	Status ³⁸	Description ³⁹	Site Total Acreage	Total Impervious Surface Created / Replaced ⁴⁰ (ft ²)	Gross Density DU/Acre	Density FAR	Special Project Category ⁴¹	Category C Projects: # of DUs in each AMI Category and # of Manager's DUs	LID Treatment Reduction Credit Available ⁴²	List of LID Stormwater Treatment Systems ⁴³	List of Non-LID Stormwater Treatment Systems ⁴⁴
				Plans dated 6/14/24	to 48 units, construct two 6-story buildings with 65 dwelling units					N/A Category C Mainly Residential Over 40 units / acre 100% affordable	Very Low: 47 Extremely Low: 0 Acutely Low: 0 Manager's Dus:1	Total credit N/A Category C = 100% AMI- 100% Location: within a PDA = 10% >60 units per acre = 10%		
1510 Webster	City of Oakland	1510 Webster	9/18/2023	Approved 1/3/2024 Plans Dated 9/15/2022	19-story building with 236 units with 56 affordable units	.326	14,231	728 units/acre	N/A	Category A Location: Downtown Create/ replace less than .5 acres No surface parking 85% lot covered Category B N/A Category C N/A	Not a Cat C project	Category A Total credit = 100% Category B N/A Category C NA	N/A	Media Filter (100%)
4207 Broadway	City of Oakland	4207 Broadway	12/10/2018	Assigned	6-story building with 143 units and ground floor commercial	0.979	46,451	127 units/acre	1.65	Category A N/A Category B N/A Category C Location: Within ½ mile of existing or planned transit hub Non-auto related project Over minimum density	Submitted Prior to MRP 3.0 and is a Vesting SB330 project Total DUs: Above Moderate: 128 Very Low: 15	Category A N/A Category B NA Category C Total credit = 90% Within ¼ mile of existing transit hub= 50% Density: >60 units/acre = 20% No surface parking = 20%	Bio-treatment (41%)	Bay Filter (59%) 27,719 sf Project to comply with the ACCWP technical guidance manual TAPE/GULD

Project Name & No.	Permittee	Address	Application Submittal Date ³⁷	Status ³⁸	Description ³⁹	Site Total Acreage	Total Impervious Surface Created / Replaced ⁴⁰ (ft ²)	Gross Density DU/Acre	Density FAR	Special Project Category ⁴¹	Category C Projects: # of DUs in each AMI Category and # of Manager's DUs	LID Treatment Reduction Credit Available ⁴²	List of LID Stormwater Treatment Systems ⁴³	List of Non-LID Stormwater Treatment Systems ⁴⁴
465 25th Street / 460 24th	City of Oakland	465 25th Street	5/6/2019	Incomplete	6-story, 99,080 sf retail and office building	0.916	37,429	N/A	2.39	Category A N/A Category B N/A Category C Location: Within ½ mile of existing or planned transit hub Non-auto related project Over minimum density	Submitted Prior to MRP 3.0 and has a Vesting Tentative Map No Residential Units	Category A N/A Category B NA Category C Total credit = 80% Within ¼ mile of existing transit hub= 50% FAR >2.0 = 10% No surface parking = 20%	Bio-treatment (20%)	Storm Filter (80%) 7,985 sf Project to comply with the ACCWP technical guidance manual TAPE/GULD
5616 MLK	City of Oakland	5616-5622 MLK	4/12/2021	Under Review	5-story building with 20 units	0.146	6,387	136 units/acre	NA	Category A Location: CN:3 zone Create/ replace less than .5 acres Not auto related project 85% lot covered Category B N/A Category C N/A	Not a Cat C project	Category A Total credit = 100% Category B N/A Category C NA	N/A	Non-LID measures (100%) 6,387 sf Project to comply with the ACCWP technical guidance manual TAPE/GULD
1901 Park	City of Oakland	1901 Park	3/17/2022	Incomplete	5-story building with 23 units and ground floor commercial	.18	8,000	128 units / acre	N/A	Category A Location: CN:3 zone Create/ replace less than .5 acres Not auto related project 85% lot covered Category B N/A	Not a Cat C project	Category A Total credit = 100% Category B N/A Category C NA	N/A	Tree Well Filters (100%) 8,000 sf Project to comply with the ACCWP technical guidance manual TAPE/GULD

Project Name & No.	Permittee	Address	Application Submittal Date ³⁷	Status ³⁸	Description ³⁹	Site Total Acreage	Total Impervious Surface Created / Replaced ⁴⁰ (ft ²)	Gross Density DU/Acre	Density FAR	Special Project Category ⁴¹	Category C Projects: # of DUs in each AMI Category and # of Manager's DUs	LID Treatment Reduction Credit Available ⁴²	List of LID Stormwater Treatment Systems ⁴³	List of Non-LID Stormwater Treatment Systems ⁴⁴
										Category C N/A				
220 Alice St	City of Oakland	220 Alice St	6/28/2022	Assigned/ Under Review	5-story building with 160 units and 1,250 sf of retail	0.40	16,868	399 units/acre	NA	Category A N/A Category B N/A Category C Location: Within ½ mile of existing or planned transit hub Non-auto related project Over minimum density	Submitted Prior to MRP 3.0 and is an SB330 Vesting project Total DUs: Above Moderate: 130 Moderate: 30	Category A N/A Category B NA Category C Total credit = 100% Within ¼ mile of existing transit hub= 50% Density: >100 units/acre = 30% No surface parking = 20%	Raised bioretention planters (20%)	OldCastle Perk-Filter (80%) 16,868 sf Project to comply with the ACCWP technical guidance manual TAPE/GULD
707 Washington Street	City of Oakland	707 Washington	10/3/2022	Assigned/ Under Review	7-story building with 38 units and 3,371 sf of ground floor commercial	.17	8,509	223 units / acre	N/A	Category A Location: Downtown Create/ replace less than .5 acres No surface parking 85% lot covered Category B N/A Category C N/A	Not a Cat C project	Category A Total credit = 100% Category B N/A Category C NA	Bioretention planters (100%)	N/A
1523 Harrison Street	City of Oakland	1523 Harrison	06/21/2024	Assigned/ Under Review	28-story building with 496 units and ground floor commercial	.475	15,814	547 units / acre	N/A	Category A Location: Downtown Create/ replace less than .5 acres No surface parking	Not a Cat C project	Category A Total credit = 100% Category B N/A Category C NA	N/A	Manhole Stormfilter (100%)

Project Name & No.	Permittee	Address	Application Submittal Date ³⁷	Status ³⁸	Description ³⁹	Site Total Acreage	Total Impervious Surface Created / Replaced ⁴⁰ (ft ²)	Gross Density DU/Acre	Density FAR	Special Project Category ⁴¹	Category C Projects: # of DUs in each AMI Category and # of Manager's DUs	LID Treatment Reduction Credit Available ⁴²	List of LID Stormwater Treatment Systems ⁴³	List of Non-LID Stormwater Treatment Systems ⁴⁴
										85% lot covered Category B N/A Category C N/A				
Shattuck Place	City of Oakland	6341 Shattuck Ave	1/11/2024	Assigned/ Under Review	3-story building with 14 units and 1,642 s.f of ground floor retail	.16	5,832	87 units /acre	N/A	Category A Location: CN3 Create/ replace less than .5 acres No surface parking 85% lot covered Category B N/A Category C N/A	Not a Cat C project	Category A Total credit = 100% Category B N/A Category C NA	Flow through planter (100%)	N/A
Joshua Christian Center Senior and Supportive Housing	City of Oakland	779-793 Grand / 2214 West	4/4/2024	Assigned/ Under Review	8-story building with 71 affordable units and a church, clarroms and parking	.20	8,865	340 units / acre	N/A	Category A N/A Category B N/A Category C Mainly Residential Over 40 units / acre 100% affordable	Total DUs: 70 Moderate: Low: 0 Very Low: 10 Extremely Low: 55 Acutely Low: 5 Manager's Dus:1	Category A N/A Category B Total credit N/A Category C = 100% AMI- 100% Location: within a PDA = 10% >100 units per acre = 15% No surface parking = 5%	Bio-retention (98%)	Storm filters (2%)

Project Name & No.	Permittee	Address	Application Submittal Date ³⁷	Status ³⁸	Description ³⁹	Site Total Acreage	Total Impervious Surface Created / Replaced ⁴⁰ (ft ²)	Gross Density DU/Acre	Density FAR	Special Project Category ⁴¹	Category C Projects: # of DUs in each AMI Category and # of Manager's DUs	LID Treatment Reduction Credit Available ⁴²	List of LID Stormwater Treatment Systems ⁴³	List of Non-LID Stormwater Treatment Systems ⁴⁴
Foothill Teacher Housing	City of Oakland	1715 Foothill	5/29/24	Assigned/ Under Review	5-story building with 29 100% affordable units	.24	8,746	120 units / acre	N/A	Category A N/A Category B N/A Category C Mainly Residential Over 40 units / acre 100% affordable	Total DUs: 29 Moderate: 5 /6 Low: 24 /23 Very Low: Extremely Low: Acutely Low: Manager's Dus:1	Category A N/A Category B Total credit N/A Category C = 56% AMI- 26% Location: within a PDA = 10% >100 units per acre = 15% No surface parking = 5%	Bio-retention (98%)	Storm filters (2%)

Special Projects Narrative –

- 1919 Webster- This is a Cat B project which allows the project to take a 100% reduction. Building takes up most of the entire site, minimal open space planters are inadequate size for the drainage area.
- 3801 Telegraph- This is a Cat C project which allows the project to take a 100% reduction. However, the project is only taking 76% reduction. The rest of the run-off (24%) will be treated via bio-treatment planters. Project takes up most of the site, the ultimate low point is at the southwest corner, the roof drainage will be drained to two planters but there is limited landscaping areas to treat more water.
- 430 Broadway- Project is a Cat C Special Project and is allowed a 65% LID credit. The building takes up the entire site to maximize the units, and the project is entirely affordable to low incomes. The site is divided into multiple management areas. Roof-runoff will flow to media filter and bio-retention planters. The small courtyard shall be pervious paving and landscaping and self-treating. It is not possible to route the entire roof run-off to the planters. Green roofs are not possible due to solar panels
- 2305 Webster - This is a Cat A project which allows the project to take a 100% reduction. The building takes up most of the site and does not have space to accommodate the entire area needed for treatment. However, the project is only taking a 62% reduction. The rest of the run-off (38%) will be treated via bio-treatment planters.
- 1510 Webster- This is a Cat A project which allows the project to take a 100% reduction. The project is a lot line to lot line building, only changing the number of units and is already under construction using a media filter for treatment. It is a wooden structure, the first of its kind in Oakland under the new Building Code and cannot accommodate the extra weight on the roof.
- 4207 Broadway-This is a Cat C project which allows the project to take a 90% reduction. However, the project is only taking 59% reduction. The rest of the run-off (41%) will be treated via bio-treatment facilities. Project takes up most of the site, the ideal area for LID does not have access to the storm drain system, and the soil and high ground water conditions exist.
- 465 25th Street- This is a Cat C project which allows the project to take up to an 80% reduction. The building takes up the entire site and minimal open space planters are inadequate size for the drainage area.
- 5616 MLK-This is a Cat A project which allows the project to take a 100% reduction. The site is very small and the project needs all the site area to accommodate the units.
- 1901 Park – This is a Cat A project which allows the project to take a 100% reduction. Building takes up most of the entire site, minimal open space planters are inadequate size for the drainage area.
- 220 Alice Street- This is a Cat C project which allows the project to take up to a 100% reduction. However, the project is only taking 80% reduction. The rest of the run-off (20%) will be treated via bio-treatment planters. Project takes up most of the site, the ultimate low point is at the southeast corner, the roof drainage will be broken up into 5 management areas and 4 small, raised planters will handle a portion of the run-off. The other portion will be routed to a media filter. There are limited landscaping areas to treat more water.
- 1523 Harrison- This is a Cat A project which allows the project to take a 100% reduction. Building takes up most of the entire site, minimal open space planters are inadequate size for the drainage area.
- 779-793 Grand / 2214 West - This is a Cat C project which allows the project to take a 100% reduction. Building takes up most of the entire site, minimal open space planters are inadequate size for the drainage area. However, the project is providing almost all the area needed to treat 100%.
- 1715 Foothill – This is a Cat C project which allows the project to take a 100% reduction.

C.3.j.iii.(2) ► Table A - Public Projects Reviewed for Green Infrastructure (GSI)						
Project Name	Project Location	Brief Project Description	GSI Included?	GSI Type(s) Included	June 30, 2024 Status	Why GSI is impracticable if not included
14th Ave. Phase I and III	E 8th St to International Blvd.	Streetscape Improvements. Tree well(s) and potential for medians with landscaping components	No		Bid-Award	14. Very constrained site with design conflicts (ADA, fire access, no storm drain nearby, dock repair)
14th Street Safe Routes in the City (ATP)	14th St. Brush St. to Lakeside Drive	Lane reduction, adding Class IV protected bicycle lanes, transit boarding islands, improve ped facilities including refuges, crossing & signals	No		Construction	2. Planned and designed before January 2016
27th St. Complete Streets	27th and Bay Pl from Telegraph Ave. to Grand Ave.	Complete street improvements consisting of protected bike lanes, crosswalk enhancements, curb extensions, signal modifications, ADA curb ramps, and road diet	Evaluating GSI Potential		Design	
7th St Connection	7th Street from Mandela Pkwy to MLK Jr Way and on Gerry Adams Way from 7th St to 8th St	complete streets improvements on 7th Street from Mandela Pkwy to MLK Jr Way and on Gerry Adams Way from 7th St to 8th St which include protected bikeways, bus boarding islands, ADA improvements, and a road diet.	Evaluating GSI Potential		Design	
Arroyo Viejo Recreation Center Renovation	7701 Krause Ave.	Renovation and possible expansion of existing 12,300 sf recreation center. May be a C.3 Regulated Project	Evaluating GSI Potential		On hold	
Branch Library Improvement - Brookfield	9255 Edes Ave.	Improve lighting, carpet, paint, electric/data, interior space conversion	No		Pre-Bid	12. No alterations to building drainage or site drainage

Project Name	Project Location	Brief Project Description	GSI Included?	GSI Type(s) Included	June 30, 2024 Status	Why GSI is impracticable if not included
Brookdale Recreation Center	2521 and 2535 High St	Renovation and expansion of recreation center building and discovery center	Evaluating GSI Potential		Design	
Caldecott Trailhead Improvements (R12 #1001)	North Oakland Sports Field Trailhead	Expand existing trail, ADA parking, tot lot, seating, landscaping	No	N/A	Design	17. Impervious trail designed to direct stormwater to adjacent vegetated or other non-erodible permeable areas.
East 12th St. Bikeway	E. 12th St.	Installation of bike lanes to connect International Blvd. with Fruitvale BART station. Work includes roadway paving, pavement marking, striping & signage, ADA curb ramps, traffic lanes realignment, bicycle detectors, & raised median	No		Pre-Bid	17. Impervious trail designed to direct stormwater to adjacent vegetated or other non-erodible permeable areas.

Project Name	Project Location	Brief Project Description	GSI Included?	GSI Type(s) Included	June 30, 2024 Status	Why GSI is impracticable if not included
East Bay Greenway (City of Oakland portion)	Adjacent to BART tracks, Fruitvale to San Leandro border	Complete multi-use pathway under or alongside BART tracks. This is an affordable housing grant project to provide safe pedestrian and bicycle access to BART and adjacent areas. A five-foot-wide permeable landscape strip has been incorporated into the project to separate the path from vehicular traffic and allow for planting of 65 deciduous trees along the path. The project has removed roadway area to create the pervious area adjacent to the path, so that there is over 4,700 SF of increased pervious area. There is no change to the drainage patterns in general.	No		Construction	14. Very constrained site with design conflicts (ADA, fire access, no storm drain nearby, dock repair)
Fire Station #29	1016 66th Ave (905 66th Ave is potential location)	New Fire station, Training Facility, USAR (Urban Search and Rescue) and Fire Services Facilities on new site.	Evaluating GSI Potential	Multiple GSI measures	Design	
Fire Station #4	1745 14th Avenue	New Fire Station 4	Evaluating GSI Potential		Design	
Fruitvale Alive Gap Closure	Fruitvale Bridge to International Ave.	Complete street improvements consisting of a raised cycle track (Class 4), widen sidewalks, improve ped crossings, add ped lights, landscape buffers, and restriping to increase safety	No	Self-retaining areas	Construction	2. Planned and designed before January 2016

Project Name	Project Location	Brief Project Description	GSI Included?	GSI Type(s) Included	June 30, 2024 Status	Why GSI is impracticable if not included
I-880/42nd/High Freeway Access Project	42nd Street and High Street 880 on-ramp	Reconstruct surface street at 42nd/High I-880 entrance	No		Design	14. Very constrained site with design conflicts (ADA, fire access, no storm drain nearby, dock repair)
Lake Merritt to Bay Trail	Lake Merritt to Bay Trail	Spanning from Lake Merritt Channel to the Oakland Waterfront Bay Trail	Design Suspended		Design suspended indefinitely. Removing from project list. Effectively cancelled for now.	
Lakeside Family Streets	Harrison St. from Lakeside to 27th; Grand Ave. from Harrison to Bay Pl.	Complete street improvements: protected bicycle intersection, access into bicycle track, protected bike lanes, crosswalk enhancements, curb extensions, signal modifications, and ADA curb ramps. Seek opportunities to build or expand GI components of Lakeside Green Streets project	No		Design	4. Re-surfacing or repaving, no change to drainage patterns, no increased impervious.
San Antonio Recreation Center and Head Start CIP Request	1701 East 19th St.	Renovate existing 1,764 sf recreation center	Evaluating GSI Potential		On hold	
San Leandro Bike Lanes Connection to 75th Avenue	San Leandro Street from 69th to 75th Avenues	Road surface improvements for bikes such as bike lanes.	No		Construction	4. Re-surfacing or repaving, no change to drainage patterns, no increased impervious.
Tyrone Carney Park Renovation	10501 Acalanes Drive,	Community led renovation project. New play areas, par courses, paving. Net decrease in impervious surface. Project approved/funded by Council in Fiscal Year 2021-2023 Capital Improvement Plan.	Yes	Bioretention facilitie(s)	Design	
Waterfront Trails – E. 7th St. to 23rd. Ave.	From Union Point Park/Con Agra property line to Lonestar/Park Street Bridge – E. 7th St. to 23rd. Ave.	Oakland Waterfront trail segment	Design suspended.		Design suspended indefinitely. Removing from project list. Project effectively cancelled for now.	

C.3.j.iii.(2) ► Table B - Planned Green Infrastructure Projects During the Permit Term

Project Name	Project Location	Brief Project Description	GSI Type(s) Included	June 30, 2024 Status
Estuary Park (R12 #100085)	115 Embarcadero	Renovation and expansion of existing City Park	Bioretention	Design – This is a Regulated Project and will be constructed in phases. The first phase of the project will be added to the C.3.b.iv.(2) tables in the FY 24-25 Annual Report.
Lakeside Drive and Lake Merritt Blvd. Cycletrack Project	Lakeside Drive and Lake Merritt Blvd.	Extending the Lakeside Drive two-way protected cycletrack around the Lake to International Boulevard (www.oaklandca.gov/projects/lake-merritt-bikeway)	Bioretention	Design
Lincoln Square Recreation Center Renovation and Expansion	261 11th St	Expand and renovate existing 6,910 square foot building. Add additional 6,400 square feet. Project approved and funded by City Council in 2019. All impervious surface draining to bioretention.	Bioretention and Pervious Pavers	Pre-Bid – This is a Regulated Project and is reported in the the C.3.b.iv.(2) tables of this report.
Mosswood Community Center	3612 Webster Street	New recreation center building and park improvements	Bioretention	Construction – This is a Regulated Project. Newly installed bioretention facilities will be reported next year.

Project Name	Project Location	Brief Project Description	GSI Type(s) Included	June 30, 2024 Status
Park Blvd Intersection Improvement Project	Intersections of Park Blvd/E. 38th St. and Park Blvd/Excelsior Ave./Alma Pl	intersection re-alignment and traffic signal improvements at intersections of Park Blvd/E.38th and Park Blvd/Excelsior Ave.	Bioretention	Construction
Sobrante Mini Park Renovation	10800 Pueblo Dr, Oakland	Community led park renovation project, includes new Community Services Center building, play area, par course area, picnic areas, murals, pathways, lawn areas, fencing and gates, landscaping and renovation of an existing restroom.	Pervious pavement	Design
West Oakland Branch Library Improvement	1801 Adeline	Garage remodel to fit the City's Mobile Outreach Vehicle (MOVE) vehicle and modify parking lot. Bioretention will treat runoff from parking lot.	Bioretention	Cancelled

C.3.j.v.(1)(a)► Non-Regulated (Green Infrastructure) Projects Reporting Table – Projects Constructed During the Fiscal Year Reporting Period

Project Location, Street Address	Name of Owner	Project Description	Construction Completion Date	Treatment Measures	Party Responsible for O&M	Hydraulic Sizing Criteria ⁴⁵	Total Area Draining to Treatment Measures (ft ²)	Impervious Area Treated (ft ²)	Pervious Area Treated (ft ²)
Comments: No projects to report this year.									

⁴⁵ 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).

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

Program Highlights and Evaluation

Highlight/summarize activities for reporting year:

Summary:

1. Inspections for each business are scheduled to occur once every two years for industrial businesses, and once every five years for commercial businesses. Additional inspections are scheduled as needed to follow-up on complaints or observed stormwater pollution prevention violations at past inspections. The inspections were planned geographically to sweep across the City and then reset upon completion.
2. The Business Stormwater Inspection Program had 258 business "touches" this year, meaning completed inspections, closed records (out of business or not meeting stormwater inspection requirements), or uncompleted inspection attempts (denied access, or not available during the time of inspector arrival).
 - a. 143 businesses were culled from the list after they were determined to be permanently closed, or to not meet the criteria for business stormwater inspections.
 - b. 103 businesses that meet the criteria of the program were inspected.
 - c. Taken together with inspections from 2019 through the present, the City of Oakland has nearly completed a full cycle of its business stormwater inspections. The completed inspections account for most of the businesses with categorically higher potential for stormwater pollution such as Industrial General Permit (IGP) sites, non-IGP industrial sites, automobile repair businesses, and restaurants that handle used cooking fats, oils, and grease (FOG).
 - i. There are 15 businesses remaining to be inspected from the list of 2,615. Attempts were made to inspect those 15, though the inspectors were not able to gain access to the businesses for a variety of reasons that will be troubleshot in the next fiscal year.
 - ii. A new cycle of inspections will begin in the next fiscal year.
3. The City continued and expanded partnerships with other inspection and enforcement agencies:
 - a. The City continued collaboration with the Alameda County Public Health Department for inspections at restaurants of concern for violations of handling and disposal of used cooking Fats, Oils, and Grease (FOG). In several cases, the County and City conducted joint inspections, or follow-up inspections to the other's findings. This collaboration led to quicker and more complete compliance.
 - b. The City collaborated closer with the Water Board, referring businesses to the Industrial General Permit program, and conducting joint inspections at several facilities.
 - c. The City collaborated with the East Bay Municipal Utility District (EBMUD) on joint inspections by request of either the City or EBMUD. These joint inspections have led to quicker and more complete resolution of stormwater and sanitary sewer discharge concerns and complaints.
 - d. The City of Oakland initialed collaboration with the California Department of Fish and Wildlife Central Coast Cannabis Enforcement Team, following up on a complaint inspection.
 - e. The City initiated collaboration with the United States Environmental Protection Agency to conduct joint inspections and support each other on investigations of industrial businesses as needed, especially in environmental justice areas prioritized by the EPA.

Permittee Name: City of Oakland

4. The City continued to update its business stormwater inspection application, improving messaging and notification protocols. The application runs on iPhones and iPads and connects to the City's Accela planning, permitting, invoicing, and inspection database. The application sends inspection reports and violation follow-up instructions to business representatives immediately after an inspection is completed. The inspection application provides real time client communications and improved invoicing functionality and inspection data access. Considerable staff and contractor time has and continues to be invested in developing, testing, and refining the application.
5. The City continued program efficiencies, such as geographic route planning, remote research for each business's hours and status, improved program oversight and inspection evaluation, continual improvements to the inspection application, continual inspector training, and continual improvements to public facing program and stormwater pollution prevention information for inspected businesses.
6. The City continued to provide fast feedback to inspectors on their reports in service to clear, concise, complete and actionable comments in inspection reports.
7. The City updated its inspection fees.
8. The City maintains its business stormwater inspection public information on its [website](#) and [website of Best Management Practices for Stormwater Pollution Prevention for businesses](#).
9. The City of Oakland maintains www.oaklandca.gov/topics/restaurants, with information for restaurants on various regulations that when followed, prevent stormwater pollution.
10. Routine stormwater inspections are conducted annually by an environmental consultant.
11. City of Oakland Public Works Watersheds Division staff conduct enforcement follow up actions and refer follow up inspections to the consultant.
12. Each business stormwater inspection includes:
 - a. Review of the facility's Stormwater Pollution Prevention Plan (SWPPP), if applicable.
 - b. Evaluation of best management practices (BMPs) in use, and provision of BMP recommendations as needed.
 - c. Recommendations for additional or improved BMPs.
 - d. Provision of industry relevant BMP packets in English, Spanish, Chinese, and/or Vietnamese as needed.
 - e. Abatement of illicit discharge to the storm water system.
 - f. Documentation of observed violations, required corrective actions, and compliance deadlines and reporting requirements.
 - g. Evaluation of compliance with the City's recycling and trash management requirements.
 - h. Evaluation of polystyrene, plastic bag, and straw bans at restaurants, cafes, and food markets.
 - i. Assessment of the level of trash in the public right-of-way areas adjacent to each property.
13. When actual and potential discharges were observed, inspectors directed the business owner or manager to cease the actual discharges immediately and to improve BMPs to address potential discharges. The inspectors communicated inspection findings to City Watersheds Division staff when follow-up enforcement was needed. City Watersheds Division staff took appropriate enforcement action and referred violation re-inspections back to the consultant or OFD inspector as necessary.
14. City staff participated in the Alameda Countywide Clean Water Program (ACCWP) Industrial & Illicit Discharge Committee (covers MRP Provisions C.4 and C.5).

FY 23-24 Annual Report

C.4 – Industrial and Commercial Site Controls

Permittee Name: City of Oakland

C.4.d.iii.(1)(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 at each site.

	Number
Total number of inspections conducted (C.4.d.iii.(1)(a))	103
Total number of enforcement actions, or discrete 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.(1)(c))	11

Comments:
 All actual discharges have been corrected. 4 businesses are still in the process of correcting their stormwater violations. All businesses in violation have been noticed multiple times and are scheduled for reinspection with the goal of correcting the outstanding violations as soon as possible. Most violations are minor, such as administrative (not having SWPPP records available onsite), or relating to the need for secondary containment of hazardous materials. Businesses are also inspected for trash/recycling/compost service levels, and in the case of food service, compliant food ware and packaging. Follow-up inspections are planned for 2024-2025 with the goal of ensuring all corrections are in place.

C.4.d.iii.(1)(b) ► Number of Each Type of Enforcement Conducted

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

	Enforcement Action (As listed in ERP) ¹	Number of Enforcement Actions Taken
Level 1	Verbal Warning	0
Level 2	Warning Notice	15
Level 3	Administrative Action w/ Monetary Fines	0
Level 4	Referral to the City and/or County District Attorney's Office	0
Total		15

¹Agencies to list specific enforcement actions as defined in their ERPs.

C.4.d.iii.(1)(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 ²	Number of Actual Discharges	Number of Potential Discharges
Auto repair	0	4
Building Materials Store	0	0
Construction Operations	0	0
Food Production	0	0
Food Service	0	0
Gas Station and Car Wash	0	4
Liquor Store	0	0
Manufacturing	0	0
Market	0	0
Other	0	1
Recycling	0	0
Restaurant	2	5

²List your Program's standard business categories.

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
Stormwater Business and Illicit Discharge Inspectors Workshop	February 22, 2024	<ul style="list-style-type: none"> • Inspection Procedures - What Should Stormwater Inspectors Know About Hazardous Materials/Wastes? • Business and IDDE Inspector Resources • Best Management Practices – Illicit Discharge Containment and Clean Up BMPs • Business Inspection Case Studies: Restaurant and Industrial Facility 	1	.25	2	50%
<p>Comments:</p> <p>City of Oakland staff assisted with the planning the Alameda Countywide Clean Water Program (ACCWP)'s training. At the training, City of Oakland staff presented business inspection case studies for restaurant and industrial facilities.</p> <p>The Bay Area Stormwater Management Agencies Association (BASMAA) PowerPoint training module Inspecting Industrial/Commercial Facilities for Pollutants of Concern (POC) Copper (Cu), Mercury (Hg) and Polychlorinated Biphenyls (PCBs) was shared with contracted inspectors. Those inspectors recommended updates to the training materials. City of Oakland staff shared the recommended updates with the Alameda Countywide Clean Water Program ACCWP. ACCWP is considering sharing an updated training with its members in 2025.</p> <p>The City of Oakland's standard PowerPoint training overview of the Business Stormwater Inspection Program is shared with all new inspectors. Then new inspectors shadow seasoned inspectors for a few days before conducting inspections on their own.</p> <p>As new technical information or approaches are developed, these are shared with the entire inspection team through emails and meetings as part of on-going training.</p> <p>Reports of violations are thoroughly reviewed to ensure that instructions are clear and actionable. Fast feedback is given to inspectors as needed to improve comments, and to clarify instructions to the businesses.</p> <p>In these ways, there is constant program improvement and training.</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:

Illicit discharge staff inspectors inspect and enforce against incidents identified by complaints and field-identified issues. Staff use Geographic Information System (GIS) with aerial maps, sewer sheet plans, storm drain and creek locations, and other features to help research and contextualize issues. City staff use cell phones and tablet computers in the field to document and research inspections. The City of Oakland Public Works (OPW) Storm Drainage Division can assist with more complex investigations where storm drain grates need to be lifted, and/or closed captioned television (CCTV) filming is need.

City staff in the OPW – Storm Drainage Maintenance Division inspect, monitor, and maintain the storm drain collection system. The City also inspects survey/screening point locations (creeks and flood control channels) to enhance the storm collection system screening program.

City staff participate in the Industrial and Illicit Discharge Control Subcommittee (I&IDC) and the Municipal Maintenance Subcommittee and associated work groups of the Alameda Countywide Clean Water Program (ACCWP).

City of Oakland continues to maintain a variety of stormwater infrastructure types, including weirs, tree wells, storm drain [SD] inlets, SD inlet baskets, SD inlet screens, culvert and storm pipes, manholes, "V" ditches, pump stations, and continuous deflective separation [CDS] trash collection units. The main function of the stormwater infrastructure is to convey stormwater and prevent flooding. Where trash interceptors are in place, stormwater water quality is improved through the collection and removal of trash, organic material, and other types of debris before it enters nearby waterbodies (creeks, estuary and lakes such as Lake Merritt, and the San Francisco Bay).

A summary of maintenance conducted in the FY 2023-2024 reporting period on the City's storm drain system by City staff is shown below.

Maintenance Activity	Work Conducted
Inspect and Clean Storm Drain Inlets	12,435 inlets
Clean Stormwater Pipes	36,900 linear feet
CCTV Stormwater Pipes	9,533 linear feet
Inspect/Service 8 Pump Stations	73 inspections
Service/Maintain Trash collection devices	Maintained: <ul style="list-style-type: none"> • 20 storm drain inlet baskets • 230 inlet screens • 106 weirs • 11 full trash capture units

	Replaced: <ul style="list-style-type: none"> 22 storm drain grates
Emergency Point Repairs of Stormwater Pipe	19
Maintain/Service Street Gutter, Public Drainage Swales and V-Ditches	9,266 linear feet
Creek Areas Cleaned	8
Resolve Clogged Storm Drain Incidents	277 incidents

Training

City of Oakland staff assisted the Alameda Countywide Clean Water Program (ACCWP) to plan and present a training workshop for Stormwater Business and Illicit Discharge Inspectors, held on February 22, 2024.

Power wash enforcement and education success



In response to City of Oakland enforcement, the Uptown and Downtown Oakland Community Benefit District upgraded their power wash equipment to comply with storm and wastewater disposal regulations. The flexible grey hose shown above connects to a vacuum and a collector tank. Collected wash water is disposed to the sanitary sewer, keeping 200-300 gallons of power wash water and pollutants out of the storm drain system daily. This is a model practice for other cleaning efforts. The City is reaching out to Business Improvement Districts throughout Oakland to inform them of the power wash water disposal regulations and best practices.

Permittee Name: City of Oakland

City of Oakland coordinated with the Alameda Countywide Clean Water Program, the Water Board, and the Bay Area Municipal Stormwater Collaborative (BAMSC) to update regional guidance on power wash water disposal to be consistent with City, County, and California laws that prohibit discharge to the storm drain system. This update is shown on [page 5 of BAMSC's outdoor surface cleaning guidance](#) and will support stormwater pollution prevention practices not just in Oakland, but throughout the region.

So Where Should Wash Water Go?

- Onto landscaping or unpaved surface**
Wash water from cleaning unpainted building exteriors, sidewalks, or plazas, if:
- Down a sink, toilet, or cleanout — through the sewer to a wastewater treatment plant**
Wash water from surface cleaning of painted building exteriors,
- To the street or storm drain**
NEVER!

Additional Countywide information

See Provision C.5 Illicit Discharge Detection and Elimination section of the ACCWP FY 2023-2024 Annual Report for a summary and description of activities at the countywide and/or regional level.

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

(for FY 23-24 Annual Report only)

C.5.c.iii.(1)(a) List below your complaint and spill response phone number

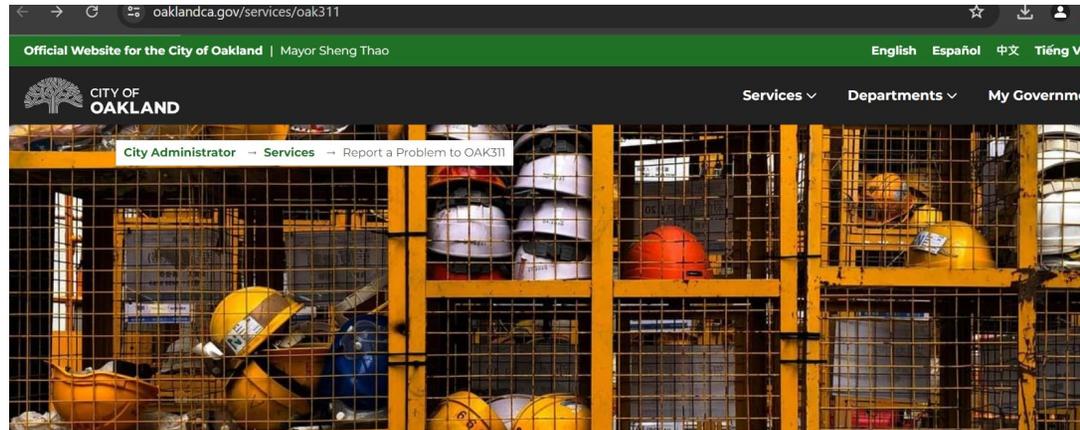
311 or (510) 615-5566

C.5.c.iii.(1)(a) Provide your complaint and spill response web reporting address or a link to a web-based reporting application, if used

311.oaklandca.gov

C.5.c.iii.(1)(b) Is a screen shot of your website showing the central contact point included?

Yes No



OAK311

Please report active infrastructure emergencies to OAK311 by dialing 311 or (510) 615-5566. Emergencies includes downed trees or tree limbs, flooding or sewer overflows, and street signal outages. Please report all non-emergency issues online at this page.

[Report Online](#) [Call 311](#)

For urgent issues, call **311** or **(510) 615-5566**.

C.5.c.iii.(1)(c) Provide a discussion of how the central contact point (complaint and spill response phone number and, if used, web reporting address or web-based reporting application) is being publicized to your staff and the public.

The Oak311 complaint and spill response contact (phone number, email, web application and online reporting via website) are publicized on the City website, in staff email signatures, verbally shared with community members, on social media posts and via physical handout sheets.

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C.5 – Illicit Discharge Detection and Elimination

Permittee Name: City of Oakland

C.5.d.iii.(1) ► 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)(a))	33
Discharges reaching storm drains and/or receiving waters (C.5.d.iii.(1)(b))	16
Discharges resolved in a timely manner (C.5.d.iii.(1)(c))	33

Comments:

During FY 2023-2024, 33 illicit discharge incidents were reported to the City. These incidents are summarized in the table below.

Type	Number of Incidents
Not a Potential or Actual Discharge/Violation (allowed discharge [i.e., property drainage system, exempt discharges, etc.])	9
Unsubstantiated (not found/located in the field)	8
Unresolved (discharge observed, but no source was identified)	0
Actual Illicit Discharge to Storm Drain System or Nearby Receiving Water	16 ¹

The illicit discharges listed above do not include Hazardous Materials responses conducted by the Oakland Fire Department Hazardous Materials (Haz Mat) Response Teams, Sanitary Sewer Overflow (SSO) responses conducted by the OPW Sanitary Sewer Maintenance or Business Stormwater Inspection responses conducted by the City's C4 Business Stormwater Inspection Program.

Hazardous Materials Response

OFD Haz Mat operates under standard operating procedure (SOP) and protocols requiring staff to respond within 48 hours to reported discharges. Responses are prioritized by the type/volume of material discharged and the location of the discharge. Larger, more hazardous, and closer to more sensitive areas are prioritized higher. Discharges to storm drains and/or receiving waters are prioritized as a top priority for immediate response.

OFD staff is trained in Hazardous Material First Responder Operational (FRO) and Hazardous Waste Operations and Emergency Response (HAZWOPER). All members of the OFD receive initial Hazardous Material FRO training at the Recruit Academy and take annual refresher FRO training. The curriculum meets the requirements of the Federal HAZWOPER standards, and Occupational Safety and Health Administration (OSHA)

¹ Illicit discharge incidents were either resolved or abated/cleaned up immediately or prior to 10 business days (and prior to any subsequent rain events).

FY 23-24 Annual Report

C.5 – Illicit Discharge Detection and Elimination

Permittee Name: City of Oakland

training requirements under 29 Code of Federal Regulations (CFR) 1910.120 (q). In addition, the curriculum meets the National Fire Protection Association (NFPA) 472 Standards for Professional Competence of Responders to Hazardous Materials, First Responder Operations Level.

SSO Response

Sanitary Sewer Overflow (SSO) Response is conducted by Sanitary Sewer Maintenance of the Oakland Public Works Department. SSO incidents are reported separately to the California Regional Water Quality Control Board and are not included in this report.

Illicit Discharge Complaints Related to Homeless Encampments

1. A description of the City's overall response to homelessness and trash discharge issues associated with encampments is provided in the City of Oakland Direct Discharge Plan Progress Report in Attachment C.10.4 of this report.
2. The City receives illicit discharge complaints associated with homeless encampments, including vehicle encampments. If the discharged material is reported as a hazardous or unknown material, the Oakland Fire Department is dispatched to inspect and ensure that the hazard is abated and/or referred to the appropriate City Department for abatement. If the hazardous material is considered a biohazard, such as human waste or used hypodermic needles, the City dispatches a biohazard cleanup contractor, or City Public Works sewers and drainage maintenance personnel, to abate the discharge. Abatement is completed as quickly as possible, however, the City must follow the City Council-approved Encampment Management Policy if encampment intervention and Oakland Police Department assistance is needed before a contractor or City staff can access an area requiring abatement. The City's Infrastructure Maintenance Division provides storm drain cleaning services when necessary and as soon as the site can be accessed. Complaints, Service Requests, and Work Orders are tracked in Oakland's Cityworks asset management system/database. The Public Works Keep Oakland Clean and Beautiful (KOCB) Division dispatches crews to conduct thorough encampment clean-ups and closures as directed by the City's Encampment Management Team (EMT). EMT decisions are guided by the City's Encampment Management Policy. For more information on encampment management see the City's EMT webpage: www.oaklandca.gov/topics/encampment-management-team.
3. Watershed and Stormwater Management (WSM) staff coordinate with the Encampment Management Team (EMT) to provide water quality and waterway protection and regulations information to the EMT to inform their encampment intervention prioritization process.
4. WSM staff provide for distribution an informational flyer about proper wastewater disposal for Oakland residents living in recreational vehicles (RVs). City of Oakland social services, cleanup, and parking enforcement staff distribute this flyer [English](#), [Spanish](#), and [Chinese](#) to Oakland RV residents.

C.5.e.iii.(2)(a)&(c) ► Mobile Sources Inspections and Enforcement

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

	Number
Mobile business inspections conducted (C.5.e.iii.(2)(a))	2
Summary of the enforcement actions taken against mobile businesses during the reporting year (C.5.e.iii.(2)(c)).	

FY 23-24 Annual Report

C.5 – Illicit Discharge Detection and Elimination

Permittee Name: City of Oakland

Summary:

Oakland is in the process of developing a robust list of the mobile businesses within the city, but until that list is finalized, the City only conducts mobile business inspections in response to complaints. During FY 23-24, the City received two such complaints. One case was referred to the Port of Oakland the other case was handled internally where the responsible party received education about proper pollution prevention practices. These numbers are included in the Spill and Discharge Complaint Tracking data reported above.

C.5.e.iii.(2)(b) ► Frequency of Mobile Sources Inspections by Business Type

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

Mobile Business Type ²	Number Inspected ³
Pressure washing	2
Comments: see comments in C.5.e.iii.(2)(a)&(c)	

C.5.f.iii ► MS4 Map(s) Availability

(for FY 23-24 Annual Report only)

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

This map is publicized on Oakland's Creeks and Watersheds webpage, www.oaklandca.gov/topics/creeks-watershed-and-stormwater.
 The map is available at: <https://oakgis.maps.arcgis.com/apps/MapSeries/index.html?appid=8eaa0f5374ca45abb16649e8e5c4d736>

² Including, but not limited to, automobile washing, vehicle fueling, power washing, steam cleaning, graffiti removal and carpet cleaning.

³ The number of each type of mobile business inspected

Section 6 – Provision C.6 Construction Site Controls – PUBLIC Projects

C.6.e.iii.(1)(a), (b), (c), (d), (e) ► Site/Inspection Totals – Public Projects				
Total number of construction sites requiring inspections during at least part of the Permit year; (C.6.e.iii.1.a)	Total number of active hillside sites disturbing <1 acre of soil requiring inspection (C.6.e.iii.1.b)	Number of High Priority Sites (sites disturbing < 1 acre of soil requiring storm water runoff quality inspection) (C.6.e.iii. 1.d)	Number of sites disturbing ≥ 1 acre of soil (C.6.e.iii.1.c)	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. 1.e)
6	1	0	5	192
<p>Comments: See Attachment C.6.2 for Summary of Construction Site Control Inspections – Public Projects FY 2023-2024. All reported sites are in the flat areas of Oakland. During this period, staff performed daily inspections and found no incidents or major BMP issues. All sites were well maintained including stockpile management. No corrections were required during action construction.</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>In addition to the reported sites above, staff performed daily inspections and observations of BMPs at 33 lower priority sites. No major incidents were reported.</p>				

C.6.e.iii.(1)(f) ► Construction Related Storm Water Enforcement Actions – Public Projects

Provide a brief description of each enforcement action level (e.g., verbal warning, notice of violation, stop work order, legal action, etc.)

	Enforcement Action (as listed in ERP) ¹	Number Enforcement Actions Issued
Level 1 ²	Verbal Notice	19
Level 2	Correction Notice	0
Level 3	Stop Work Notice	0
Level 4	Legal Action	0
Total		19

C.6.e.iii.(1)(g), ► Illicit Discharges – Public Projects

	Number
Number of illicit discharges, actual and potential, of sediment or other construction-related materials	0

C.6.e.iii.(1)(h) ► Corrective Actions – Public Projects

Indicate your reporting methodology below.

<input type="checkbox"/>	Permittee reports multiple discrete potential and actual discharges at a site as one enforcement action.
<input checked="" type="checkbox"/>	Permittee reports the total number of discrete potential and actual discharges on each site.
	Number
Enforcement actions or discrete potential and actual discharges fully corrected within 10 business days after violations are discovered or otherwise considered corrected in a timely period (C.6.e.iii.1.h)	17
Comments:	

¹ Agencies should list the specific enforcement actions as defined in their ERPs.

² For example, Enforcement Level 1 may be Verbal Warning.

C.6.f.iii ▶ Staff Training Summary – Public Projects

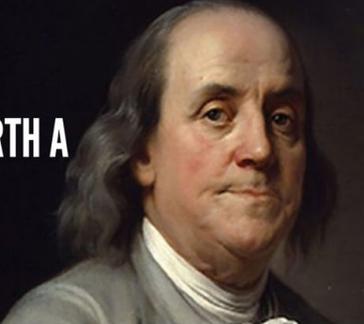
Training Name	Training Dates	Topics Covered	Total Number of C.6 inspectors (both municipal and non-municipal staff)	No. of C.6 inspectors in Attendance (both municipal and non-municipal staff)
Construction Stormwater Inspector Training	8/21/2024 and 8/26/2024	<ul style="list-style-type: none"> • C.6 Requirements and BMPs • Creekside BMPs 	16	16

Comments:
 City of Oakland resident engineers and inspectors were trained in the above sections taken from the April 30 Alameda Countywide Clean Water Program workshop. (Slide excerpts below).

BMPs
"The C.6 Six"

1. Erosion Control
2. Sediment Control
3. Run-on and Runoff Control
4. Active Treatment Systems (as necessary)
5. Good Site Management
6. Non-stormwater Management

Erosion control *prevents soil from becoming sediment!*



AN OUNCE OF PREVENTION IS WORTH A POUND IN CURE
Benjamin Franklin

Section 6 – Provision C.6 Construction Site Controls– PRIVATE Projects

C.6.e.iii.(1)(a), (b), (c), (d), (e) ▶ Site/Inspection Totals – Private Projects				
Total number of construction sites requiring inspections during at least part of the Permit year; (C.6.e.iii.1.a)	Total number of active hillside sites disturbing <1 acre of soil requiring inspection (C.6.e.iii.1.b)	Number of High Priority Sites (sites disturbing < 1 acre of soil requiring storm water runoff quality inspection) (C.6.e.iii. 1.d)	Number of sites disturbing ≥ 1 acre of soil (C.6.e.iii.1.c)	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. 1.e)
149	54	3	47	373
Comments:				
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.				
Does not apply.				

C.6.e.iii.(1)(f) ▶ Construction Related Storm Water Enforcement Actions – Private Projects		
Provide a brief description of each enforcement action level (e.g., verbal warning, notice of violation, stop work order, legal action, etc.)		
	Enforcement Action (as listed in ERP) ¹	Number Enforcement Actions Issued
Level 1 ²	Verbal or Very Minor Issue Noted in Inspection Report	19
Level 2	Correction notice sent	2
Level 3	Stop Work Order issued	2
Level 4		0
Total		23

¹ Agencies should list the specific enforcement actions as defined in their ERPs.

² For example, Enforcement Level 1 may be Verbal Warning.

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

C.7.g.iii.(1) ► Reporting

Submit a table listing the types of outreach programs implemented during that Permit year along with a brief description. The table should be a cumulative table showing the number, if applicable, of each type of outreach campaigns or events occurring during each Permit year. To ensure the table reflects cumulative efforts, include information reported in the previous fiscal year (FY 22-23) in the appropriate column.

Please see the table below for a summary of local outreach efforts. Please also see the ACCWP FY 23-24 Annual Report for Countywide outreach efforts.

Type of Outreach Program Implemented	Brief Description of Current Year Campaigns	Number of outreach campaigns or events occurring during each Permit Year, if applicable				
		FY 22-23	FY 23-24	FY 24-25	FY 25-26	FY 26-27
C.7.a. Outreach Campaigns	Describe the outreach campaign(s) implemented, including target audience, pollution prevention message(s), and media type	Total outreach campaigns reported in the FY 22-23 Annual Report 18	Total countywide and local C.7.a campaigns 17			
Oaktown PROUD anti-illegal dumping outreach program	Target Audience is people who live and work and play in Oakland. Pollution Prevention message is Help to reduce the amount of littering and dumping in Oakland. Media types are flyers, posters and billboards.	1	0			
City-wide volunteer event days outreach campaigns – for Creek to Bay Day, Martin Luther King Jr. Day of Service, and Earth Day	Target Audience is people who live, work and play in Oakland. These are City-wide volunteer events promoted through social media and digital and print advertising. Promotion aims to: invite participation in the	3	3			

Type of Outreach Program Implemented	Brief Description of Current Year Campaigns	Number of outreach campaigns or events occurring during each Permit Year, if applicable				
		FY 22-23	FY 23-24	FY 24-25	FY 25-26	FY 26-27
	events, increase awareness of actions people can take to reduce dumping and improve the health of local waterways, and promote year-round environmental volunteerism.					
Adopt a Drain Outreach Program	Target Audience is people who live, work and play in Oakland. To publicize our Adopt a Drain program, the City continues to promote the program via flyers, in e-newsletters, and on social media. The flyer describes the importance of maintaining storm drains, how to maintain a storm drain, and how to sign up for Oakland Adopt a Drain.	1	1			
Adopt a Spot Outreach Program	Target Audience is people who live, work and play in Oakland. To publicize our Adopt a Spot program, the City continues to promote the program via flyers, in e-newsletters, and on social media. Oakland's Adopt a Spot program supports volunteers in their efforts to clean, green, and beautify Oakland's parks, creeks, shorelines, storm drains, streets, trails, and other public spaces.	1	1			

Type of Outreach Program Implemented	Brief Description of Current Year Campaigns	Number of outreach campaigns or events occurring during each Permit Year, if applicable				
		FY 22-23	FY 23-24	FY 24-25	FY 25-26	FY 26-27
ACCWP Social Media Campaigns See the Countywide Program Annual Report for details.	<ul style="list-style-type: none"> • Coastal Cleanup/Litter • Pick-up Pet Waste • HHW Mercury Bulbs • Watershed/Storm Drain Awareness • BANG Media: Detain the Rain • Healthy Gardening • OWOW Resources • Litter/Earth Day • "Where Izzy" Social Media Campaign • Car Washing • Sweep, Don't Hose • Fishing Advisories 	12	12			
C.7.c. Public Outreach and Citizen Involvement Events	Describe public outreach and citizen involvement events conducted	Total public outreach and citizen involvement event days reported in the FY 22-23 Annual Report 27	Total countywide and local C.7.c event days 21			
Local Events	Oakland Creek to Bay September 16, 2023: Local event including cleanups at Oakland neighborhood, creek and shoreline sites. 1,000 volunteers removed 7,600 gallons of trash from sites across Oakland.	1	1			

Type of Outreach Program Implemented	Brief Description of Current Year Campaigns	Number of outreach campaigns or events occurring during each Permit Year, if applicable				
		FY 22-23	FY 23-24	FY 24-25	FY 25-26	FY 26-27
	Martin Luther King Jr. Day of Service, January 15, 2023: Local event including cleanups at Oakland neighborhood, creek, and shoreline sites. 2,152 volunteers removed 56,240 gallons of trash from sites across Oakland.	1	1			
	Oakland Earth Day, April 20, 2022: One-day citywide cleanup event including cleanups at Oakland neighborhood, creek, and shoreline sites. Over 1,500 volunteers removed 49,963 gallons of trash from sites across Oakland.	1	1			
ACCWP Events	Alameda County Fair	24	18			
C.7.d. Watershed Stewardship Collaboration	Describe watershed stewardship efforts	Total meetings/ events reported in the FY 22-23 Annual Report 44	Total countywide and local C.7.d meetings/ events 42			
Local collaboration	City staff collaborates on watershed stewardship with the Friends of Sausal Creek (FOSC) . City staff provide planning and technical assistance for the group's	3	4			

Type of Outreach Program Implemented	Brief Description of Current Year Campaigns	Number of outreach campaigns or events occurring during each Permit Year, if applicable				
		FY 22-23	FY 23-24	FY 24-25	FY 25-26	FY 26-27
	habitat restoration, watershed, stormwater protection, and native plant nursery efforts. The City continues to work with FOSC to monitor riparian health and maintain riparian vegetation at the Sausal Creek Restoration Project in Dimond Park.					
Local collaboration (continued)	City staff collaborates on watershed stewardship with the Friends of Courtland Creek (FOCC) . City staff attend their monthly meetings every other month and provide planning and technical assistance. The City continues to work with FOCC and the Oakland Parks and Recreation Foundation to create opportunities for community engagement with the Courtland Creek Restoration Project.	12	8			
	Courtland Creek Park community clean up and engagement events. The City partnered with the Oakland Parks and Recreation Foundation, the Friends of Courtland Creek, and two local schools to host three events with an emphasis on watershed	3	3			

Type of Outreach Program Implemented	Brief Description of Current Year Campaigns	Number of outreach campaigns or events occurring during each Permit Year, if applicable				
		FY 22-23	FY 23-24	FY 24-25	FY 25-26	FY 26-27
	stewardship at Courtland Creek Park. Community volunteers removed trash from the park and learned about the City's upcoming restoration project.					
	<p>City staff collaborates on watershed stewardship with the Measure DD Community Coalition.</p> <p>City staff attend Measure DD meetings. At these meetings, the Measure DD Community Coalition provides oversight, input, feedback, and recommendations to City staff on organizing, prioritizing, and spending for DD projects. The purpose of Measure DD, the "Oakland Trust for Clean Water and Safe Parks" is to "improve water quality, provide educational and recreational facilities for children, clean up Lake Merritt, restore Oakland's creeks, waterfront and Estuary, preserve and acquire open space, renovate parks, provide safe public spaces, and provide matching funds to quality for state and federal funding for these projects."</p>	6	6			

Type of Outreach Program Implemented	Brief Description of Current Year Campaigns	Number of outreach campaigns or events occurring during each Permit Year, if applicable				
		FY 22-23	FY 23-24	FY 24-25	FY 25-26	FY 26-27
	The City supports the San Leandro Creek Alliance efforts to protect the San Leandro Creek watershed. The City tracks this group's efforts and will provide input on plans for restoration and a greenway along San Leandro Creek if requested.	1	1			
	Participated in Bay Area Municipal Stormwater Collaborative (BAMS Collaborative) Bay Area Trash Workgroup, Monitoring of Pollutants of Concern Workgroup and the Unsheltered Populations BMP Report Workgroup, all teams of municipal staff, RWQCB, and non-governmental organizations.	11	11			
	Participated in the City and Port of Oakland inter-jurisdictional coordination quarterly meetings. These meetings focus on coordinating responses across jurisdictions for illegal dumping cleanup, water quality impacts associated with homelessness, and stormwater treatment facility management. The group consists of representatives from OPW, Port of Oakland,	6	4			

Type of Outreach Program Implemented	Brief Description of Current Year Campaigns	Number of outreach campaigns or events occurring during each Permit Year, if applicable				
		FY 22-23	FY 23-24	FY 24-25	FY 25-26	FY 26-27
	East Bay Municipal Utility District, California Department of Transportation, Union Pacific Railroad, and an active Oakland Adopt a Spot volunteer.					
ACCWP Collaboration	Community Stewardship Grants Program Reinstated, 5 grantees chosen for grants of \$6,000 each.	2	5			
C.7.e. School-Age Children Outreach	Describe school outreach activities conducted	Total: 196	Total = 132 countywide and local C.7.e classroom presentations, school assemblies, etc.			
Local Outreach	Lake Merritt Institute School Outreach. Program. 333 students reached. Watershed awareness activities, reduction of litter in Lake Merritt, Lake Merritt habitat information, and stormwater pollution awareness. See Attachment C.7.1 for school outreach events conducted by the Lake Merritt Institute on behalf of the City of Oakland. Students learned	11	12			

Type of Outreach Program Implemented	Brief Description of Current Year Campaigns	Number of outreach campaigns or events occurring during each Permit Year, if applicable				
		FY 22-23	FY 23-24	FY 24-25	FY 25-26	FY 26-27
	about impacts of urban runoff on the lake and lake wildlife, people, and history.					
ACCWP Outreach	Caterpillar Puppets K-3 rd grade education	50	50			
ACCWP Outreach	Kids for Bay 3 rd -5 th grade education Storm Drain Rangers	85	70			
C.7.f. Outreach to Municipal Officials	Describe outreach conducted to municipal officials	FY 22-23	FY 23-24			
Local Outreach	City of Oakland Watershed and Stormwater Management staff presented in June 20224 to City Council and the public about the City's efforts to reduce stormwater pollution. The report and presentation covered trash compliance including the City's trash management actions and	1	1			

Type of Outreach Program Implemented	Brief Description of Current Year Campaigns	Number of outreach campaigns or events occurring during each Permit Year, if applicable				
		FY 22-23	FY 23-24	FY 24-25	FY 25-26	FY 26-27
	their effectiveness in reducing trash from reaching waterways.					

C.7.g.iii.(2) ► Stormwater Pollution Prevention Education

No Change

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C.6 – Construction Site Controls – Private Projects

Permittee Name: City of Oakland

C.6.e.iii.(1)(g), ► Illicit Discharges – Private Projects

	Number
Number of illicit discharges, actual and potential, of sediment or other construction-related materials	0

C.6.e.iii.(1)(h) ► Corrective Actions – Private Projects

Indicate your reporting methodology below.

X	Permittee reports multiple discrete potential and actual discharges at a site as one enforcement action.	
	Permittee reports the total number of discrete potential and actual discharges on each site.	
		Number
Enforcement actions or discrete potential and actual discharges fully corrected within 10 business days after violations are discovered or otherwise considered corrected in a timely period (C.6.e.iii.1.h)		21
Comments: 21 enforcement actions were corrected within 10 days, and 2 stop work orders issued require additional follow up with new owner.		

C.6.f.iii ► Staff Training Summary – Private Projects

Training Name	Training Dates	Topics Covered	Total Number of C.6 inspectors (both municipal and non-municipal staff)	No. of C.6 inspectors in Attendance (both municipal and non-municipal staff)
Construction Stormwater Inspector Training	April 30, 2024, August 23, 2024	<ul style="list-style-type: none"> • C.6 Requirements and BMPs • Documenting Inspections • BMP Implementation <ul style="list-style-type: none"> ○ Demolition BMPs; ○ Creekside BMPs • Regional Water Board Perspective 	6	6
<p>Comments: City of Oakland staff assisted with organizing the April 30 training for the Alameda Countywide Clean Water Program. City of Oakland staff also developed and presented the C.6 Requirements and BMPs and Creekside BMPs. Approximately 80 people attended including City of Oakland building inspectors and inspectors from municipalities throughout Alameda County. City of Oakland Building inspectors that could not attend the original date reviewed the training slides and recordings on their own in August 2024.</p> <p>In addition, Oakland's Building Department conducts a C.6, BMP, and safety training annually before the wet weather moratorium.</p>				

Section 9 – Provision C.9 Pesticides Toxicity Controls

C.9.a. ► Implement IPM Policy or Ordinance								
Is your municipality implementing its IPM Policy/Ordinance and Standard Operating Procedures?					X	Yes		No
Links to IPM policies or ordinances and IPM standard operating procedures: No change, see www.oaklandca.gov/topics/integrated-pest-management-policies .								
Report implementation of IPM BMPs by showing trends in quantities and types of pesticides used, and suggest reasons for increases in use of pesticides that threaten water quality , specifically organophosphates, pyrethroids, carbamates, fipronil, indoxacarb, diuron, and diamides. A separate report can be attached as evidence of your implementation.								
Trends in Quantities and Types of Pesticide Active Ingredients Used ¹								
Pesticide Category and Specific Pesticide Active Ingredient Used	Amount ² of Active Ingredient							
	FY 22-23	FY 23-24	FY 24-25	FY 25-26	FY 26-27			
Organophosphates	None Reported	None Reported						
Active Ingredient Chlorpyrifos	None Reported	None Reported						
Active Ingredient Diazinon	None Reported	None Reported						
Active Ingredient Malathion	None Reported	None Reported						
Pyrethroids (see footnote #2 for list of active ingredients)	None Reported	None Reported						
Active Ingredient Type X	None Reported	None Reported						
Active Ingredient Type Y	None Reported	None Reported						

¹ Includes all municipal structural and landscape pesticide usage by employees and contractors.

² Weight or volume of the active ingredient, using same units for the product each year. Please specify units used. 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, lambda-cyhalothrin, and permethrin.

Carbamates	None Reported	None Reported			
Active Ingredient Carbaryl	None Reported	None Reported			
Active Ingredient Aldicarb	None Reported	None Reported			
Indoxacarb	None Reported	None Reported			
Diuron	None Reported	None Reported			
Diamides	None Reported	None Reported			
Active Ingredient Chlorantraniliprole	None Reported	None Reported			
Active Ingredient Cyantraniliprole	None Reported	None Reported			
Neonicotinoids	None Reported	None Reported			
Active Ingredient Imidacloprid	None Reported	None Reported			
Active Ingredient Acetamiprid	None Reported	None Reported			
Active Ingredient Dinotefuran	None Reported	None Reported			
Fipronil	None Reported	None Reported			

Reasons for increases in use of pesticides that threaten water quality: Not Applicable

IPM Tactics and Strategies Used:

City staff in the Bureau of Environment, Parks and Tree Services Division (PTSD) and Keep Oakland Clean and Beautiful (KOCB):

- Minimize amount of chemical pesticide (herbicide) applied by using only when necessary, on street medians.
- Use non-pesticide weed control methods such as mulching.
- Conduct manual weed removal when applicable and feasible.

The table above demonstrates that the City has not used pesticides of concerns.

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C.9 – Pesticides Toxicity Controls

Permittee Name: City of Oakland

Currently, staff in PTSD and KOCB, are not using products that contain glyphosphate, the active ingredient in non-selective, post emergent herbicides such as Roundup and Ranger Pro. Alternatively, the City is using Avenger (active ingredient is d-limonene (citrus oil)) for organic gardening and Diquat (active ingredient is diquat dibromide) for aquatic weed control on a trial basis to control weeds between April - October. To control weeds before they germinate, the City uses pre-emergent herbicides Surflan AS (active ingredient is the sulfonamide oryzalin) and Isoxaben 75WG (active ingredient is a benzamizole).

C.9.b ▶ Train Municipal Employees

Enter the number of employees that apply or use pesticides (including herbicides) within the scope of their duties.	12
Enter the number of these employees who received training on your IPM policy and IPM standard operating procedures within this reporting year.	30
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/Comments:

All City Of Oakland staff that apply pesticides are required to attend an annual two hour in person Herbicide/Pesticide Safety Training. The training took place on September 26, 2023.

Additionally, staff may elect to take additional trainings through the Pesticide Applicators Professional Association (PAPA) classes online and/or in person.

In addition to staff that apply pesticides, other Parks Maintenance staff also received IPM training. Staff safety meetings and tailgate trainings periodically address pesticide safety.

Each contracted pest control technician is required to complete a minimum of 16 hours of training per three-year license renewal period. A technician with a single pest control license is required to complete 8 hours of rules and regulation training, 4 hours of technical training pertaining to his license, 2 hours of general classes, and 2 hours of IPM training. Additionally, the contractor does annual in-house label training for products they apply. Staff can take California Department of Consumer Affairs certified classes online or in person from many different parties ranging from product distributors, manufacturers, University of California and other higher learning institutions. Classes fall into 4 categories; Rules and Regulations, General, Technical and Integrated Pest Management.

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C.9 – Pesticides Toxicity Controls

Permittee Name: City of Oakland

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?	X	Yes		No
If yes, did your municipality evaluate the contractor's list of pesticides and amounts of active ingredients used?	X	Yes		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>The City notifies its contractor providing pesticide control, Omega Termite and Pest Control, of all City of Oakland Integrated Pest Management (IPM) Ordinances. These are posted at www.oaklandca.gov/topics/integrated-pest-management-policies.</p> <p>The contractor is an IPM certified (or equivalent) pesticide applicator. The contractor's Green Pro certificate is included as Attachment C.9.1.</p> <p>City requests assistance as needed for pest control issues at city of Oakland buildings. Typical treatment targets are ants, rats, and roaches. The pest control contractor inspects the site, recommends measures to control detected pest problems, and applies pesticides as deemed appropriate and in compliance with City IPM ordinances. The pest control contractor provides the City with a Service Summary Report with the monthly invoice for work performed.</p> <p>The reports may include, but are not limited to the following information:</p> <ul style="list-style-type: none"> • Indoor vs. outdoor application • Type of applications – non-chemical trap/deterrent, soap wipe downs, monitoring device • Product type used – natural, EPA Exempt product, or specific pesticide • Volume of product used • Volume of active ingredient • Volume of applied diluted product <p>City staff reviews the Service Summary Reports submitted with monthly invoices.</p>				

Permittee Name: City of Oakland

C.9.d ▶ Interface with County Agricultural Commissioners

How 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?

An Alameda County Agricultural Commissioner Inspector visited the City's Municipal Service Center (MSC) at 7101 Edgewater Drive in Oakland, California on March 26, 2024. The site visit included the annual facility inspection, a review of record keeping, and issuance of the City's pesticide spray permit.

In addition, the Alameda County Agricultural Commissioner Inspectors conduct random, unannounced inspections throughout the year at various pesticide application locations on City of Oakland properties.

Also, refer to the Alameda Countywide Program's (ACCWP) Annual Report, C.9 Pesticides Toxicity Control section.

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 ACCWP's FY 23-24 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 ACCWP's FY 23-24 Annual Report for information on point of purchase public outreach conducted countywide and regionally.

Permittee Name: City of Oakland

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 ACCWP's FY 23-24 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 23-24, we participated in regulatory processes related to pesticides through contributions to ACCWP and CASQA. For additional information, see the Pesticide Annual Report prepared by CASQA in the ACCWP's FY 23-24 Annual Report.

C.10.a.i ► Trash Load Reduction Summary

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-v and C.10.f.i-ii. Provide a discussion of the calculation used to produce the reduction percentage

Trash Load Reductions

Percent Reduction in All Trash Management Areas (TMAs) due to Full Trash Capture Systems (as reported C.10.b.i) ¹	21%
Percent Reduction in all TMAs due to Control Measures Other than Full Trash Capture Systems (as reported in C.10.a.ii(b) & C.10.b.iii) ^{1,2}	51%
Subtotal for Above Actions	72%

Trash Reduction Credits and Offsets (Optional)

Reduction Credits due to Jurisdiction-wide Source Control Actions (as reported in C.10.b.v) ³	0%
Reduction Offset Associated with Additional Creek and Shoreline Cleanups (as reported in C.10.f.i)	10%
Reduction Offset Associated with Direct Trash Discharge Controls (as reported in C.10.f.ii)	15%

Total (Jurisdiction-wide) % Trash Load Reduction through FY 2023-24 **97%**

Discussion of Permittee Trash Load Reduction and the Load Reduction Calculation: UPDATE FOR FY 2023-24

- **Full Capture Systems (21%):** The City began the installation of two large trash capture devices (on Carey Avenue and Mandela Parkway) in FY 2023-24. Collectively, the systems/devices installed to-date treat over 2,543 acres of land in the City. Areas treated by full trash capture systems (see Attachment C.10.1) receive trash reduction credit under Section C.10.b.i and are not eligible for reduction credit through On-Land Visual Trash Assessment (OVTA) results in C.10.b.ii. As the City installs additional full trash capture systems, the OVTA Program will be modified to discontinue sites within areas treated by full trash capture systems.
- **Other Trash Management Actions (51%):** In addition to full capture systems, the City continued to implement numerous trash reduction controls in FY 2023-24 (see Citywide Summary below). A total of 776 OVTA's were conducted by the City in FY 2023-24. See Attachment C.10.2 for a map that illustrates baseline trash generation and locations of OVTA sites assessed in FY 2023-24.
- **Additional Creek/Shoreline Cleanups (10%):** The City continued to implement numerous trash removal/cleanup events in Lake Merritt and local creeks and on the Bay shorelines. Over 613,000 gallons of trash were removed from local waterways during FY 2023-24 through these creek/shoreline cleanup efforts of City staff and volunteers.
- **Direct Discharge (15%):** On August 2, 2023, the Water Board's Executive Officer approved the City's Direct Discharge Control Measures Plan (Direct Discharge Plan). The Direct Discharge Plan includes actions that the City will take to prevent and reduce the impacts of trash generated by illegal dumping and homeless encampments within the City. A Progress Report on the actions taken by the City in FY 2023-24 as part of its Direct Discharge Plan is included in Attachment C.10.3. A total of 2,236,256 gallons of trash within 500 feet of waterways were removed in FY 2023-24 via actions included in the City's Direct Discharge Plan. The trash load reduction associated with the Direct Discharge Plan is based on calculation methods described in the MRP.

C.10.a.i ► Trash Load Reduction Summary

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-v and C.10.f.i-ii. Provide a discussion of the calculation used to produce the reduction percentage

Planned Actions for FY 2024-25

In FY 2024-25, the City will continue to implement its three-part plan to achieve future trash load reduction benchmarks:

- Installation of full trash capture systems;
- Implementation of other control measures; and
- Program development and research

Moving forward, actions the City will undertake include, but are not limited to:

- Leverage existing capital and transportation funding, grants, and private development projects to install full capture systems. The City completed a Citywide trash capture feasibility study to identify the most cost-effective and feasible locations and types of devices for installation. The City will be implementing a contract to install 250 connector pipe screens. The City is also collaborating with Caltrans to explore the possibility of installing an additional 2 large trash capture devices.
- Continue to grow and support the extensive volunteer cleanup and Adopt-a-Spot programs and improve the data collection on the volume of trash removed.
- Examine the fee structure, fee amount, and definition of Excess Litter Fee eligible businesses.
- Work with stakeholders to encourage the formation of Business Improvement Districts in other areas (e.g., East Lake/Little Saigon Area, Dimond).
- Continue implementing the Updated Direct Discharge Control Plan approved in August 2023.
- Consider recommendations and findings from a citywide street sweeping evaluation on how the City can improve trash levels on streets, reduce redundancies in trash control measures, and improve the cost-efficiency of the City's Street Sweeping Program.
- Begin implementing a trash inspection program to address trash on Private Land Drainage Areas (PLDAs).

¹ See Appendix 10-1 for changes between 2009 and FY 23-24 in trash generation by TMA as a result of Full Capture Systems and Other Trash Control Measures.

² This percentage includes reductions associated with other trash controls implemented to address moderate, high or very high trash generating areas in the public right-of-way and on applicable private lands.

³ To claim a load percentage reduction value, Permittees must provide substantive and credible evidence that new source control actions are being implemented jurisdiction-wide and reduce trash by the claimed value. Permittees may no longer claim source control actions implemented under previous Permits (i.e., foam foodware and single-use plastic bags).

C.10.a.ii(a) ► Full Trash Capture Systems – Population-based Permittees
C.10.c ► Full Trash Capture Systems – Flood Management Agencies

Provide the following:

- 1) Total number and types of full capture systems (publicly and privately-owned) installed during FY 23-24, and prior to FY 23-24, 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 flood management agencies compared to the total required by the permit.

Type of System	# of Systems	Areas Treated (Acres)
Installed in FY 23-24		
High-flow Capacity Systems (Public)	2	1,326.3
Installed Prior to FY 23-24⁴		
Catch Basin Inserts Devices (Public)	197	262.1
High-flow Capacity Systems (Public)	12	955.0
Total for all Devices or Systems Installed To-date	211	2,543.4
Total # of Systems Required by Permit (Flood Management Agencies)		N/A

⁴ Drainage boundaries (i.e., areas treated) for previously installed Catch Basin Insert Devices (Public) and High-flow Capacity Systems (Public) were reevaluated in FY 23-24. Based on these analyses, some drainage boundaries were refined based on more accurate information on drainage patterns and the configuration of the City's MS4. These refinements are reported in this table and in Appendix 10-1. Areas treated include jurisdictional and non-jurisdictional lands (e.g., public K-12 schools and colleges, and freeways).

C.10.a.ii(b) ▶ Trash Generation Area Management - Private Lands

Provide a summary of implementation actions and progress towards meeting the July 1, 2025 requirement for all private lands that are moderate, high, or very high trash generating, and that drain to storm drain inlets that Permittees do not own or operate (private), but that are plumbed to Permittees' storm drain systems. Include descriptions of any trash control measures implemented, or caused to be implemented, by your agency, including full trash capture systems and/or trash discharge control actions equivalent to or better than full trash capture systems. For trash discharge control actions equivalent to or better than full trash capture systems that were implemented on private lands, summarize the methods used to demonstrate that trash discharges are controlled and the extent to which these methods were implemented in FY 23-24.

Summary of Implementation Actions and Trash Load Reduction Progress:

As described in MRP 3.0 Provision C.10.a.ii(b), private properties that 1) generate moderate, high, or very high level of trash, 2) are plumbed to the City's MS4, and 3) are not already addressed by a Full Trash Capture (FTC) system are required to be equipped with a FTC system or be managed by trash control measures equivalent to or better than a FTC system by July 1, 2025. To address trash contributions from these properties, which are referred to as Private Land Drainage Areas (PLDAs), the City will begin the implementation of a PLDA Trash Inspection Program (TIP) in FY 2024-25. Through the TIP, inspections are performed on PLDAs and if the level of trash observed on the property via OVTAs is greater than low trash generation, property owners and/or managers will be required to implement additional trash control measures and achieve low trash generation. Trash control measures may include FTC systems or other types of trash control actions. The goal of the TIP is to address trash from all PLDAs in the City by July 1, 2025.

In FY 23-24, the City thoroughly reviewed its PLDAs inventory. Based on this review, the City identified 827 PLDAs, a modification from the roughly 600 PLDAs initially identified in FY 22-23. All PLDAs will be inspected prior to December 2025, as part of attaining the 100% trash load reduction goal by December 31, 2025. As such, no trash load reduction percentage associated with trash control measures being implemented on these 827 PLDAs is being reported in FY 23-24. Load reductions for trash controls on PLDAs will be documented and reported in FY 2024-25.

C.10.a.ii(b) ▶ Trash Generation Area Management – Trash Generation Area Map

(For FY 23-24 Annual Report only)

Does your FY 23-24 Annual Report include a Revised Trash Generation Area Map that includes trash management areas, as well as private land drainage areas that will be retrofitted with full trash capture devices, or equivalent, by June 30, 2025?

X	Yes. See link below		No		N/A
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Link to Revised Trash Generation Area Map:

The ArcGIS on-line version available to Regional Water Board staff can be viewed at: <https://eoa-water.maps.arcgis.com/home/group.html?id=92995bfa56f94a4eb08b21f5fba0ca78#overview>

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

Provide the following:

- 1) Jurisdiction-wide trash reduction in FY 23-24 attributable to 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 23-24 that exhibited significant plugged/blinded screens or were $\geq 50\%$ full when inspected or maintained;
- 4) A narrative summary of any maintenance issues and the corrective actions taken to avoid future performance issues; and
- 5) A certification that each full capture system is operated and maintained to meet full capture system requirements in the permit.

TMA	Jurisdiction-wide Reduction (%)	Total # of Full Capture Systems	% of Systems Exhibiting Plugged/Blinded Screens or $\geq 50\%$ full in FY 23-24	Summary of Maintenance Issues and Corrective Actions
1	7.0%	211	0%	The City's maintenance program includes cleaning and maintaining all full trash capture systems once per year. In High and Very High trash generation areas, all trash capture devices are inspected at least twice per year and maintained as necessary. The City has found this cleaning frequency to be sufficient to avoid any clogging or flooding issues. The City has not had any maintenance issues or corrective actions in FY 2023-24.
2	1.8%			
3	0.2%			
4	0.0%			
5	2.4%			
6	0.5%			
7	2.1%			
8	2.3%			
9	0.3%			
10	0.1%			
11	1.0%			
12	3.5%			
13	0.0%			
14	0.0%			
15	0.0%			
16	0.0%			
Total	21.1%			

Certification Statement:
 The City of Oakland certifies that a full capture system maintenance and operation program is currently being implemented to maintain all applicable systems in a manner that meets the full capture system requirements included in the Permit.

Did your agency provide the names and locations of new and existing full trash capture systems to the County vector control agency for FY 23-24?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	N/A
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C.10.b.iii(a) ► Trash Reduction – Other Trash Management Actions
C.10.c ► Requirements for Flood Control Agencies

Provide a summary of trash control actions other than full capture systems, jurisdictional source controls, and trash control actions on private lands that were implemented within each TMA in FY 23-24, including the types of actions, levels, timing, frequency, and areal extent of implementation, whether actions are new, including initiation date, and information relevant to effective implementation of the action or combination of actions.

TMA	Summary of Trash Control Actions Other than Full Capture Systems
Citywide Summary	<p>The City implemented trash control actions other than full capture systems or jurisdictional source controls in TMAs throughout the City. This report section describes these trash control actions. See Attachment C.10.4 for a map of Oakland's TMAs.</p> <p>Street Sweeping</p> <p>The City's intensive Street Sweeping Program is the most widespread control measure the City uses to remove its trash. The City has posted signs on all routes and uses a rigorous enforcement program to help ensure compliance with the parking restrictions. The City targets some of its street sweeping efforts to "Very High" trash producing areas including downtown Oakland, business districts and major arterials. This targeted street sweeping effort provides three or more street sweeping events per week in those designated high trash areas. Throughout the rest of the City, sweeping is conducted monthly, bi-weekly, and weekly, depending on the trash level. Street sweeping frequency is noted in Attachment C.10.5 (also available online here). To enhance performance above its baseline street sweeping levels, the City has implemented many control measures since 2009:</p> <ul style="list-style-type: none"> • In 2010, all sweeper units were equipped with GPS devices that log the route and speed of each vehicle. This helps ensure sweepers are operated in a way that provides the most effective result. • In 2012, the City added a regenerative air sweeper that in high trash areas is used in tandem with a mechanical broom sweeper to ensure full trash removal. • In FY 2013-2014, the City added three more regenerative air sweepers and eight new mechanical broomsweepers. • In FY 2014-2015, sweeping operators received training on trash reduction goals for the City and the importance of the Street Sweeping Program in meeting those goals. • In 2015 and 2016, the City conducted a routing efficiency analysis of its Street Sweeping Program. Applying the results of the efficiency analysis, the City was able to improve sweeping efficiency and effectiveness. • In 2018, the City replaced five aging mechanical street sweepers with five new mechanical street sweepers, which are more efficient and effective.

	<ul style="list-style-type: none"> • In FY 2019-2020, the City continued to implement the Street Sweeping Program. It takes four weeks of each month to complete planned street sweeping throughout the City. On the remaining days each month (not including February), City staff conduct additional sweeping. They consider trash generation levels when prioritizing street sweeping on the “extra” days each month and increased the number of streets swept on these “extra” days. In addition, the City began sweeping select streets in and around the former Oakland Army Base (i.e., Maritime Street, Burma Road, Wake Avenue, Admiral Toney Way). The service is provided once a week and accounts for an additional 5.1 miles of street cleaning per week. • In FY 2020-2021, the City completed a citywide Street Sweeping Evaluation Study. The Study evaluated the effectiveness of the City’s current street sweeping program and assessed whether modifications could be made to improve the levels of trash in stormwater, while bringing greater efficiencies to this resource-intensive program. • In FY 2022-23 the City purchased a multi-hog mechanical mini-street sweeper unit to provide street sweeping service to the protected bike lanes that have been added to several major arterials for bike safety and continued trash mitigation and reduction. • In FY 2022-23 the City reviewed the Street Sweeping Program to consider possible changes to improve service delivery and more timely information that is provided to the public. <p>Planned actions in FY 2024-2025 to improve the performance of the Street Sweeping Program include:</p> <ul style="list-style-type: none"> • Review the Street Sweeping program and implement possible changes to improve service delivery and more timely information that is provided to the public. • Consider the addition of an inter-active street sweeping hub, that would send out notifications to the public when their street is not going to be swept, to help improve public communication. • Consider the purchase of four to eight new street sweeper units, to improve the delivery of service and to replace the current aging and worn-out equipment. <p>Planned actions in FY 2024-2025 to improve the performance of the Street Sweeping Program include:</p> <ul style="list-style-type: none"> • To begin replacement of the current aging and outdated street sweeping equipment with the addition of two all-electric of hydrogen zero emissions street sweeper units that will help the program meet the Oakland City Council mandate of an all-electric City fleet by FY 2030. • Begin implementation of an interactive mapping and signage for protected bike lanes for monthly bike lane sweeping. <p>On-Land Cleanup</p> <p>Oakland’s award-winning Adopt a Spot program supports individuals, neighborhood groups, civic organizations, and businesses in the ongoing cleaning and greening of parks, creeks, shorelines, storm drains, streets, trails, medians, and other public spaces. The program supports volunteers in “adopting” individual sites, picking up trash at the site, and tracking and reporting their volunteer hours. The City tracks the active “adopt” sites by asking “adopters” to record the number of volunteers and hours spent at an adopted site. These volunteer hours are recorded and used to estimate the total volume of trash removed through volunteer efforts.</p>
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Creek and shoreline sites and storm drain inlets can also be adopted and are described below in this report. See section C.10.e for information on these events. The table also excludes other on-land clean-up efforts, such as community cleanups, not completed by Adopt a Spot program volunteers.

Adopt A Drain

In 2013, the City officially launched an “Adopt a Drain” program (for more information see: <https://www.oaklandca.gov/services/adopt-a-drain>). Prior to 2013, and beginning in 2002, volunteers adopted drains as part of their Adopt a Spot agreement. In FY 2013-14 an online Adopt a Drain registration system was implemented, and volunteers adopted 177 storm drain inlets that year. The number of adopted drains has been steadily increasing each year for a total number of 1,782 since the online registration program was initiated in 2013. This translates to regular debris and trash removal for 13.38% of the City’s estimated 13,314 storm drains. While the primary focus of the Adopt a Drain program is the removal of debris before and during storm events (adopters receive notification from City staff on approaching storms), volunteers also remove litter at their adopted storm drains throughout the year.

Partial Capture Devices

The City has installed a total of 110 partial trash capture devices. This includes 100 auto-retractable screens and 10 trash booms at Lake Merritt. The City inspects and maintains the auto-retractable screens at least once a year and the Lake Merritt Institute is contracted by the City to maintain the trash booms at Lake Merritt on a weekly basis.

Storm Drain Cleaning

The City continues to maintain a variety of stormwater infrastructure types (including weirs, tree wells, storm drain [SD] inlets, SD inlet baskets, SD inlet screens, culvert and storm pipes, manholes, “V” ditches, pump stations, hydrodynamic separator units, and gross solid removal devices). The main function of the stormwater infrastructure is to convey stormwater and prevent flooding. An indirect function of the City’s stormwater infrastructure includes the improvement of water quality by collecting and removing trash, organic material, and other types of debris before it enters nearby waterbodies (i.e., creeks, the estuary, lakes such as Lake Merritt, and the San Francisco Bay). In addition, the network of Adopt a Drain volunteers provides additional cleaning resources throughout the year (see On-Land Cleanup summary above). The following table summarizes storm drain cleaning and maintenance conducted in FY 2023-24 (see Section C.10.b.1 for a summary of full capture systems maintenance).

Maintenance Activity	Work Conducted
Inspect and Clean Storm Drain Inlets	12,435 inlets
Clean Stormwater Pipes	36,900 linear feet
CCTV Stormwater Pipes	9,533 linear feet
Inspect/Service Pump Stations Twice Monthly (8 pump stations)	73 inspections

Service/Maintain Trash collection devices	Maintained: <ul style="list-style-type: none"> • 20 storm drain inlet baskets • 230 inlet screens • 106 weirs • 11 full trash capture units Replaced: <ul style="list-style-type: none"> • 22 storm drain grates
Emergency Point Repairs of Stormwater Pipe	19
Maintain/Service Street Gutter, Public Drainage Swales and V-Ditches	9,266 linear feet
Resolve Clogged Storm Drain Incidents	277 incidents
<p>Anti-littering and Public Education Outreach See the Provision C.7.e Public Information and Outreach section of the Alameda Countywide Clean Water Program (ACCWP) FY 2023-24 Annual Report for a summary of related outreach activities.</p> <p>Illegal Dumping Abatement A summary of illegal dumping abatement activities is provided in the Direct Discharge Plan Progress Report (see Attachment C.10.3).</p> <p>Homeless Encampment Abatement A summary of homeless encampment abatement activities is provided in the Direct Discharge Plan Progress Report (see Attachment C.10.3).</p> <p>Excess Litter Fee In 2006, the City passed an ordinance (Ordinance 12727 C.M.S) enacting an Excess Litter Fee (ELF) on fast food businesses, convenience markets, gasoline station markets, and liquor stores. Revenue generated from the fee is used to defray the cost of litter and trash clean-up resulting from the operation of these businesses. In February 2015, the City initiated a new contract with a professional vendor to begin removing trash from areas around ELF businesses. The contractor employs 3 full-time staff and an operations manager. The crew works 160 hours per week and services more than 800 ELF sites throughout the City. Crews refer illegal dumping or very high levels of trash to the City for abatement. Each employee is equipped with a work truck and cleaning supplies, as well as a mobile device to input real time statistics and submit work orders to the City. In late FY 2016-2017, the City launched a Mobile Food Vendor Program and included an Excess Litter Fee of \$100 in the mobile food vendor permit fees. This allowed the City's contractor to expand litter abatement efforts in areas where mobile food vendors operate.</p>	

Beginning April 1, 2018, the City implemented a new program protocol with the intention of targeting high frequency trash and illegal dumping locations across the City. This new approach changed the program from a fixed route deployment to a proactive response team that focused on known locations of high street litter and illegal dumping. This new service required the staff to identify neighborhood “zones” throughout Oakland, with each zone containing between 20 to 40 blocks. Currently there are 16 zones identified within the City and each zone is subsequently divided into three identifiable work areas. Each area is assigned to a specific cleaning employee for trash removal and maintenance. This Program is implemented citywide with emphasis in TMA 1, TMA 2, TMA 8, TMA 11 and TMA 12. In November 2020 the City expanded the contract with Oakland Venue Management (OVM) from \$400,000 to \$750,000 per year to implement the ELF program. This expansion of the contract allows OVM to partner with local service providers that support the unsheltered community, increase the number of work hours by 87%, and provide valuable job training and paid employment opportunities to homeless Oakland residents. Due to budget constraints the contract was reduced back to \$400,000 in June 2024.

Business Improvement Districts

Business Improvement Districts (BIDs) are self-imposed assessment districts established by a majority vote of licensed businesses and/or property owners in the district and through technical assistance from the City. There are currently 11 BIDs in Oakland, consisting of 8 property-based BIDs, 2 business-based BIDs, and the Oakland Tourism BID which does not fund trash reduction efforts. Traditional BIDs provide services beyond the City’s baseline services by hiring staff or contractors to remove litter, increase the number and/or capacity of trash containers in specific BIDs, maintain landscaping, assist commercial establishments with trash container management, and install cigarette butt receptacles and public signage designed to discourage littering.

On July 26, 2021, the Oakland City Council adopted Resolution No. 88781 C.M.S., establishing the Chinatown Community Benefit District, the City’s newest BID. The Fruitvale Property Business Improvement District, initially established in 2001 and last renewed in 2011, expired on December 31, 2021 after an unsuccessful renewal effort. In the Dimond area, two associations provide some of the same services as those provided by BIDs. The Dimond Improvement Association’s (DIA) volunteer work group, Keep Dimond Clean, removes about 12,000 lbs. of sidewalk litter every year. In addition, the DIA and the Dimond Business & Professional Association collaborate to hire a work crew to remove additional litter and debris annually. In Fiscal Year 2023-24, City staff assisted stakeholders with BID feasibility efforts in East Lake/Little Saigon Area and Dimond, though both have yet to progress to formation. City staff have also been in discussions with the Unity Council, who are considering an effort to reestablish the Fruitvale BID. Early merchant organizing discussions are underway in Deep East Oakland, particularly in the Oakland Airport Area, and in West Oakland. Merchants in Piedmont Avenue continue to consider a possible BID formation effort.

Facility Inspection and Control

The City’s Business Stormwater Inspection Program (BSIP) is described fully in the C.4 section. The BSIP assists with C.10 compliance through inspection and enforcement of trash containment, trash conditions in the right-of-way, and compliance with City

	ordinances that prohibit plastic utensils and to-go items known to contribute to plastic pollution. Restaurants are transitioning from plastic straws, utensils, to-go boxes, and bags to recyclable and compostable ones as required by regulation and as enforced by business stormwater inspections. Restaurants at scales from national chains to independent are making these changes. The City has also setup a hotline to report violations of the Disposable Food Service Ware Ordinance.
TMA 1 – Arterials	TMA 1 includes arterials (i.e., high capacity urban roads) and major road thoroughfares. This TMA covers 2,701 acres (10%) of the City's jurisdiction. The Trash Generation Rate is High or Very High in 76% of this TMA. Refer to Citywide Summary above for trash management actions other than full trash capture in TMA 1 – Arterials.
TMA 2 – Commercial Areas	TMA 2 includes geographic areas with concentrated retail and commercial land uses. These commercial centers attract high volumes of car and pedestrian traffic and often have transit stations and hubs. This TMA covers 657 acres (2%) of the City's jurisdiction. Refer to Citywide Summary above for trash management actions other than full trash capture in TMA 2 – Commercial Areas.
TMA 3 – North Oakland	TMA 3 borders the City of Berkeley to the north and the City of Emeryville to the west. Litter in TMA 3 is generated by commercial centers and high density residential land uses. This TMA covers 978 acres (3%) of the City's jurisdiction. Refer to Citywide Summary above for trash management actions other than full trash capture in TMA 3 – North Oakland.
TMA 4 - Former Army Base	TMA 4 served as a US Army facility until it was closed in 1999. It is being redeveloped by a public-private partnership. This redevelopment effort will provide all new infrastructure for the site. This TMA covers 141 acres (0.5%) of the City's jurisdiction. Refer to Citywide Summary above for trash management actions other than full trash capture in TMA 4 – Former Army Base.
TMA 5 - West Oakland	TMA 5 includes industrial/warehouse, transportation and residential land uses in West Oakland. Trash in the area is generated by the regional freeway system and transportation activity, and there is significant illegal dumping in this TMA. TMA 5 covers 946 acres (3%) of the City's jurisdiction. Refer to Citywide Summary above for trash management actions other than full trash capture in TMA 5 – West Oakland.
TMA 6 - Shoreline	TMA 6 includes areas along the waterfront of the Oakland Estuary with the predominant sources of trash being the regional freeway system and litter associated with recreational use of parks and trails in the area. Many of the waterfront properties are owned by the Port of Oakland and leased to private tenants. The City works with the Port of Oakland and the East Bay Regional Park District to ensure proper trash container management on its shoreline properties. This TMA covers 809 acres (3%) of the City's jurisdiction. Refer to Citywide Summary above for trash management actions other than full trash capture in TMA 6 – Shoreline.
TMA 7 - Lake Merritt Watershed	TMA 7 consists of high density housing, arterials and commercial districts around Lake Merritt. This TMA covers 1,330 acres (5%) of the City's jurisdiction. Refer to Citywide Summary above for trash management actions other than full trash capture in TMA 7 – Lake Merritt Watershed.
TMA 8 - Downtown Oakland	TMA 8 is a high litter area due to a combination of transit hubs, high pedestrian traffic, and high density land uses. This TMA covers 306 acres (1%) of the City's jurisdiction. Refer to Citywide Summary above for trash management actions other than full trash capture in TMA 8 – Downtown Oakland.
TMA 9 - San Antonio	TMA 9 has retail and high density housing. This TMA covers 777 acres (3%) of the City's jurisdiction. Refer to Citywide Summary above for trash management actions other than full trash capture in TMA 9 – San Antonio.

TMA 10 - Sausal Creek	TMA 10 has a combination of high density housing and commercial/retail land uses. This TMA covers 475 acres (2%) of the City's jurisdiction. Refer to Citywide Summary above for trash management actions other than full trash capture in TMA 10 – Sausal Creek.
TMA 11 - East Oakland 1	TMA 11 has some commercial areas and predominant high-density residential housing. Trash sources include pedestrian litter, poor trash container management and illegal dumping. This TMA covers 1,416 acres (5%) of the City's jurisdiction. Refer to Citywide Summary above for trash management actions other than full trash capture in TMA 11 – East Oakland 1.
TMA 12 – East Oakland 2	TMA 12 has some commercial areas and predominant high-density residential housing. Trash sources include pedestrian litter, poor trash container management and illegal dumping. This TMA covers 2,672 acres (9%) of the City's jurisdiction. Refer to Citywide Summary above for trash management actions other than full trash capture in TMA 12 – East Oakland 2.
TMA 13 – Industrial East Oakland 1	This TMA has predominantly industrial land uses. This area has high litter from BART and railway lines and the adjacent freeway. This TMA has a high incidence of illegal dumping. TMA 13 covers 374 acres (1%) of the City's jurisdiction. Refer to Citywide Summary above for trash management actions other than full trash capture in TMA 13 – Industrial East Oakland 1 – West.
TMA 14 – Industrial East Oakland 2	This TMA has predominantly industrial land uses. This area has high litter from BART and railway lines and the adjacent freeway. This TMA has a high incidence of illegal dumping. TMA 13 covers 576 acres (2%) of the City's jurisdiction. Refer to Citywide Summary above for trash management actions other than full trash capture in TMA 14 – Industrial East Oakland 2 – East.
TMA 15 – Oakland Port/Airport	TMA 15 is managed by the Port of Oakland and has highly restricted access to Port and Airport facilities. Source of trash is primarily traffic-related and windblown. Airport personnel clean up property on regular basis. TMA 15 is not in the City's jurisdiction. The City did not conduct OVTAs in FY 2021-2022 in this TMA and is not taking any trash load reduction.
TMA 16 - Hills	This TMA primarily has low-density residential housing and is a low trash generating area. TMA 16 covers 14,179 acres (50%) of the City's jurisdiction. Refer to Citywide Summary above for trash management actions other than full trash capture in TMA 16 – Hills.

C.10.b.iii(b) ► Trash Reduction – Other Trash Management Actions

Provide the following:

- 1) A summary of the on-land visual assessments conducted in each TMA to demonstrate improvements in the levels of trash generation associated with the public right-of-way, including the street miles available for assessment (i.e., those associated with VH, H, or M trash generation areas not treated by full capture systems), the street miles assessed, the % of available street miles assessed, and the average number of assessments conducted per site within the TMA; and
- 2) Percent jurisdictional-wide trash reduction in FY 23-24 attributable to trash management actions other than full capture systems that have been implemented to address trash generation associated with the public right-of-way in each TMA; OR
- 3) Indicate that no on-land visual assessments were performed.

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

Explanation: No OVTAs were conducted in TMA #15 because there are no jurisdictional land areas in this TMA.

TMA ID or (as applicable) Control Measure Area	Total Street Miles ⁵ Available for Assessment	Summary of On-land Visual Assessments			Jurisdictional-wide Reduction (%)
		Street Miles Assessed	% of Available Street Miles Assessed	Avg. # of Assessments Conducted at Each Site	
1	74.3	7.2	10%	5.8	15.0%
2	22.3	2.3	10%	6.3	6.1%
3	31.7	4.3	13%	5.1	3.0%
4	1.3	0.4	33%	7.0	0.0%
5	31.9	4.2	13%	6.1	2.1%
6	16.2	1.8	11%	5.6	0.0%
7	34.7	3.5	10%	5.9	3.1%
8	7.9	1.0	12%	6.4	2.8%
9	27.7	3.1	11%	6.3	4.6%
10	9.7	1.4	14%	6.6	1.2%
11	42.6	4.7	11%	6.2	0.0%
12	78.7	7.3	9%	5.8	4.0%
13	8.7	2.1	24%	5.9	0.6%
14	9.0	1.0	11%	6.2	7.7%
15	0.0	NA	NA	NA	NA
16	6.7	1.4	20%	6.6	0.2%
Total		45.7	--	--	50.5%

⁵ Street miles are defined as the street length and do not include street median curbs.

C.10.b.v ▶ Trash Reduction – Source Controls

Provide a description of each jurisdiction-wide trash source control action implemented to-date other than those addressed under previous Permits (i.e., foam foodware and single-use plastic bags). For each new 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
Single-use Plastic Bag Ordinance or Policy	The Alameda County Waste Management Authority adopted the expanded Single-Use Bag Ban. As of May 1, 2017 all retail stores were covered by the ban, and all restaurants were covered by the ban as of November 1, 2017. A copy of the Ordinance is available on the Alameda County Waste Management Authority's website: http://www.reusablebagsac.org/acwma-ordinance-2012-2-amended-ordinance-2016-2 .	See Section C.10 of the ACCWP FY 2020-2021 Annual Report.	See Section C.10 of the ACCWP FY 2020-2021 Annual Report.	NA ⁶
Expanded Polystyrene Food Service Ware Ordinance or Policy	In 2008, the City adopted an Ordinance to Prohibit the Use of Polystyrene Foam Disposable Food Service Ware and Require the Use of Biodegradable or Compostable Disposable Food Service Ware by Food Vendors and City Facilities (Oakland Municipal Code Chapter 8.07 Polystyrene Foam Food Service Ware, Ordinance No.12747). This ordinance applies to ALL food vendors at City-sponsored events and on City-owned property, and to all food service vendors.	See Sections C.10 of the ACCWP FY 2023-24 Annual Report. In addition, see C.10.b.ii (PART A) Facility Inspections and Control for a descriptions of the City's polystyrene ban inspections.	See Sections C.10 of the ACCWP FY 2023-24 Annual Report. In addition, see C.10.b.ii (PART A) Facility Inspections and Control for a descriptions of the City's polystyrene ban inspections.	NA

⁶ To claim a load percentage reduction value, Permittees must provide substantive and credible evidence that new source control actions are being implemented jurisdiction-wide and reduce trash by the claimed value. Permittees may no longer claim source control actions implemented under previous Permits (i.e., foam foodware and single-use plastic bags). The City continued to implement source control actions in FY 2023-24 even though load reduction credit is no longer allowed for these trash control measures.

C.10.d ► Long-Term Trash Load Reduction Plan						
Did your agency previously submit an Updated Trash Load Reduction Plan to the Water Board in response to the June 30, 2023, 90% benchmark?	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No	<input type="checkbox"/>	NA
Provide descriptions of significant revisions made to your Long-term Trash Load Reduction Plan submitted to the Water Board in February 2014 or (if applicable) to your Updated Long-term Trash Load Reduction Plan submitted in 2023 in response to the 90% benchmark. Describe significant changes made to 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.						
Description of Significant Revision						Associated TMA
Since submitting the 2014 Trash Load Reduction Plan the City did not make any revisions in the intervening years. The 2023 Long-Term Trash Load Reduction (see Attachment C.10.10 of FY 2022-23 Annual Report) describes: the current status of trash reduction efforts first described in 2014; planned actions; the total number of planned trash capture devices to be installed; secured budget and funding directed towards trash reduction efforts; and anticipated trash load reductions and schedules.						All TMAs

C.10.f.i ► Trash Reduction Offsets –Creek and Shoreline Cleanups			
Provide a summary description of creek and shoreline cleanups conducted during FY 23-24 and the water quality benefit achieved. Include information that is sufficient to demonstrate sustained improvement of the creek or shoreline area, the volume of trash removed, and the offset claimed in FY 23-24. Provide the number and frequency of cleanups conducted, locations and cleanup dates.			
Offset Program	Summary Description of Cleanup Actions and the Benefit of Water Quality Achieved	Volume of Trash (CY) Removed/Controlled in FY 23-24	Offset (% Jurisdiction-wide Reduction)
Additional Creek and Shoreline Cleanups (Max 10% Offset)	<p>The methods used to calculate the volume of trash removed for the additional creek and shoreline cleanup offset are consistent with the requirements in the MRP (Section C.10.e).</p> <p>Since 1992, the City has managed a community stewardship program that organizes two citywide cleanup events per year (Earth Day and Creek to Bay Day). Starting in 2018, the City added Martin Luther King Jr Day of Service as an annual cleanup. In addition, the City supports volunteers to “adopt” individual sites. These individual sites are both on-land (Adopt a Spot, Adopt a Drain, Adopt a Park, Community Cleanups) and at creek/shoreline sites (Adopt a Creek). The City has recorded information pertaining to the “active” sites by asking volunteers to document the number of volunteers and hours spent on an “adopted” site, and the volume of trash removed.</p> <p>In addition to the continued expansion in participation at annual Earth Day, Creek to Bay Day and Martin Luther King Jr Day of Service cleanup efforts, the City’s “Adopt a Spot” program has grown enormously over the past 10 years.</p> <p>In FY 2018-2019 the City developed, and the Water Board approved, a volunteer trash removal rate of 11.6 gallons per hour. In FY 2023-24 the City continued to use directly reported data on the amount of trash removed during volunteer cleanup events where available but supplemented this total with the estimated cleanup volumes using the approved volunteer trash removal rate (11.6 gallons per hour) for events that have only reported volunteer hours. This approach provides a more accurate accounting of the total volume of trash removed from the City’s volunteer cleanup program.</p> <p>In total, 613,077 gallons (3,035 cubic yards) of trash were removed through our creek/shoreline cleanup programs. Using the calculation provided in MRP C.10.e.i, this equates to a 10% citywide reduction in trash (i.e., using the 10:1 offset). The</p>	3,035 cubic yards (613,700 gallons)	10%

C.10.f.i ► Trash Reduction Offsets –Creek and Shoreline Cleanups

Provide a summary description of creek and shoreline cleanups conducted during FY 23-24 and the water quality benefit achieved. Include information that is sufficient to demonstrate sustained improvement of the creek or shoreline area, the volume of trash removed, and the offset claimed in FY 23-24. Provide the number and frequency of cleanups conducted, locations and cleanup dates.

	City is claiming a 10% offset credit for these additional creek and shoreline cleanup events that occurred during FY 2023-24.		
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C.10.f.ii ► Trash Reduction Offsets – Direct Trash Discharge Controls

For those Permittees with a Direct (Trash) Discharge Control (offset) Program (DDCP) approved by the Water Board Executive Officer, provide a summary description of the trash controls implemented, the volume of trash removed via the DDCP, and the offset claimed in FY 23-24. Attach a report that includes the following:

- For Permittees whose DDCPs address significant discharges from **unsheltered homeless populations**, include a narrative description and quantitative information for the following for the current year and for each prior year of the permit term:
 - The estimated number of people experiencing unsheltered homelessness in their jurisdiction;
 - the estimated number of people experiencing unsheltered homelessness living within approximately 500 feet of receiving waters;
 - the estimated portion of those populations provided housing as described in Provision C.10.f.ii.b.(i);
 - the estimated portion of those populations served with the services described in Provision C.10.f.ii.b.(i);
 - the number and scope of sanitation controls and services provided to homeless encampments;
 - the number and scope of trash controls and services provided to homeless encampments; and
 - the number and scope of sanitary cleanouts and other services provided to RVs.

- For Permittees whose DDCPs address significant discharges from **illegal dumping sites**, include a narrative description and quantitative information for the following for the current year and for each prior year of the permit term:
 - The total number of active illegal dumping sites;
 - the number of active illegal dumping sites within approximately 500 feet of receiving waters;
 - the number of illegal dumping sites where trash was collected, and the amount of material collected;
 - dumping vouchers (or equivalent) provided (and who they are provided to);
 - dumping vouchers (or equivalent) used; and
 - outreach and education provided to the public regarding illegal dumping and the availability of dumping vouchers (or equivalent).

- For Permittees whose DDCPs address significant discharges from **both unsheltered homeless populations and illegal dumping sites**, include a narrative description and quantitative information for all of the elements listed above for the current year and for each prior year of the permit term.

C.10.f.ii ► Trash Reduction Offsets – Direct Trash Discharge Controls			
Offset Program	Summary Description of Actions and Assessment Results	Volume of Trash (CY) Removed/Controlled in FY 23-24	Offset (% Jurisdiction-wide Reduction)
Direct Trash Discharge Controls (Max 15% Offset)	<p>The City received approval on August 2, 2023 for its Direct Trash Discharge Control Plan (Direct Discharge Plan). The Direct Discharge Plan includes actions that the City will take to prevent and reduce the impacts of trash generated by illegal dumping and homeless encampments within the City.</p> <p>A Progress Report on the actions taken by the City in FY 2023-24 as part of our Direct Discharge Control Plan is included in Attachment C.10.3. A total of 11,071CYs (2,236,256 gallons) of trash were removed in FY 2023-24 via actions included in the City's Direct Discharge Plan. The trash load reduction associated with the Direct Discharge Plan is based on calculation methods described in the MRP. The City is claiming a 15% offset credit for implementation of the Direct Discharge Plan in FY 2023-24.</p>	11,071	15%

Appendix 10-1. Baseline trash generation and areas addressed by full capture systems and other control measures in Fiscal Year 23-24.⁷

TMA	2009 Baseline Trash Generation (Acres)					Trash Generation (Acres) in FY 23-24 After Accounting for Full Capture Systems					Jurisdiction-wide Reduction via Full Capture Systems (%)	Trash Generation (Acres) in FY 23-24 After Accounting for Full Capture Systems and Other Control Measures ⁸					Jurisdiction-wide Reduction via Other Control Measures (%) ⁸	Jurisdiction-wide Reduction via Full Capture AND Other Control Measures (%)
	L	M	H	VH	Total	L	M	H	VH	Total		L	M	H	VH	Total		
1	103	515	773	1,252	2,643	633	475	607	928	2,643	7.0%	810	1,192	593	49	2,643	15.0%	22.0%
2	4	170	101	440	714	113	169	85	347	714	1.8%	207	455	51	1	714	6.1%	7.9%
3	52	329	546	28	955	86	321	519	28	955	0.2%	252	678	25	0	955	3.0%	3.1%
4	0	141	0	0	141	0	141	0	0	141	0.0%	10	40	90	0	141	0.0%	NA
5	0	82	740	95	918	358	39	461	60	918	2.4%	402	338	153	24	918	2.1%	4.5%
6	0	786	1	23	809	58	751	0	1	809	0.5%	208	389	200	12	809	0.0%	0.5%
7	55	858	88	290	1,291	295	726	84	186	1,291	2.1%	479	678	132	2	1,291	3.1%	5.3%
8	0	0	50	291	341	157	0	8	177	341	2.3%	201	105	27	7	341	2.8%	5.2%
9	22	197	320	226	765	42	197	312	213	765	0.3%	155	511	94	5	765	4.6%	4.9%
10	145	169	95	53	462	148	169	95	50	462	0.1%	214	212	35	1	462	1.2%	1.2%
11	40	1,101	179	52	1,373	185	1,068	91	29	1,373	1.0%	351	759	249	14	1,373	0.0%	1.0%
12	88	647	1,754	100	2,589	693	561	1,249	86	2,589	3.5%	808	1,176	561	45	2,589	4.0%	7.5%
13	4	209	144	11	368	4	209	144	11	368	0.0%	70	245	44	8	368	0.6%	0.6%
14	0	0	0	568	568	1	0	0	567	568	0.0%	31	239	256	42	568	7.7%	7.7%
15	0	0	0	0	0	0	0	0	0	0	NA ⁹	0	0	0	0	0	NA ⁸	NA ⁸
16	13,834	178	14	0	14,026	13,849	164	13	0	14,026	0.0%	13,963	62	1	0	14,026	0.2%	0.3%
Totals	14,347	5,383	4,803	3,429	27,963	16,621	4,991	3,667	2,684	27,963	21.1%	18,161	7,080	2,510	212	27,963	50.5%	71.6%

⁷ Due to rounding, total acres and percentages presented in this table may be slightly different than the sum of the acres/percentages in the corresponding rows/columns.

⁸ Acreage changes and percent reductions reported here include those associated with other trash controls implemented to address moderate, high or very high trash generating areas in the public right-of-way and on applicable private lands.

⁹ "NA" indicates that the TMA has no moderate, high, or very high trash generating areas (i.e., all low trash generation and/or non-jurisdictional) and therefore no additional trash control measures are needed.

Section 11 – Provision C.11 Mercury Controls

C.11.a ▶ Assess Mercury Load Reductions from Stormwater

Submit documentation confirming that all control measures effectuated during the previous Permit term for which load reduction credit was recognized continue to be implemented at an intensity sufficient to maintain the credited load reduction.

Summary: Refer to the ACCWP Mercury and PCBs Control Measures Update Report attached to the ACCWP FY 2023-24 Annual Report.

C.11.b.iii (1), (2) ▶ Program for Source Property Identification and Abatement

Report progress on the acreage of land areas investigated, including progress toward investigation of 100 percent of old industrial land uses. The reporting shall indicate what action was taken for the parcels investigated (e.g., abatement, referral, enforcement). Permittees shall submit all supporting data and information including referral reports.

Summary: Refer to the ACCWP's Mercury and PCBs Control Measures Update Report attached to the ACCWP FY 2023-24 Annual Report.

Report on ongoing O&M activities associated with all past contaminated property referrals. Prior to all new referrals, Permittees shall submit, for staff review and comment, a detailed description of the enhanced O&M plan for the referred properties.

Summary: Refer to the ACCWP Mercury and PCBs Control Measure Update Report attached to the ACCWP FY 2023-24 Annual Report.

C.11.c.iii (2) ▶ Program for Control Measure Implementation in Old Industrial Areas

Submit an account of control measure and stormwater diversion implementation consistent with the plan submitted in March 2023 and any modifications thereto. Include maps of the areas treated, the acreage of catchments addressed, and a description of all control measures, installed treatment devices and routing facilities for each treated catchment.

Summary: Refer to the ACCWP Mercury and PCBs Control Measures Update Report attached to the ACCWP FY 2023-24 Annual Report.

C.11.d.iii (1) ► Mercury Collection and Recycling Implemented throughout the Region

Report on efforts to promote recycling of mercury-containing products and efforts to increase effectiveness of those recycling efforts. Report on the mass of mercury-containing material collected throughout the region along with an estimate of the mass of mercury contained in recycled material using the methodology contained in load reduction accounting system described and cited in the Fact Sheet.

Summary: Refer to the ACCWP Mercury and PCBs Control Measures Update Report attached to the ACCWP FY 2023-24 Annual Report.

C.11.h ► Implement a Risk Reduction Program

Report on the status of the risk reduction program, including a brief description of actions taken, an estimate of the number of people reached, and why these people are deemed likely to consume Bay fish.

Summary: A summary of Program and regional accomplishments for this sub-provision, including a brief description of actions taken, an estimate of the number of people reached, and why these people are deemed likely to consume Bay fish are included in the C.11 Mercury Controls section of the ACCWP FY 23-24 Annual Report.

Section 12 – Provision C.12 PCBs Controls

C.12.a.iii.(1) ▶ Assess PCBs Load Reductions from Stormwater

Submit documentation confirming that all control measures effectuated during the previous Permit term for which load reduction credit was recognized continue to be implemented at an intensity sufficient to maintain the credited load reduction.

See the ACCWP Mercury and PCBs Control Measures Update Report attached to the ACCWP FY 2023-24 Annual Report.

C.12.b.iii.(1), (2) ▶ Program for Source Property Identification and Abatement

C.12.b.iii.(1). Report progress on the acreage of land areas investigated, including progress toward investigation of 100 percent of old industrial land uses. The reporting shall indicate what action was taken for the parcels investigated (e.g., abatement, referral, enforcement). Permittees shall submit all supporting data and information including referral reports.

Refer to the ACCWP Mercury and PCBs Control Measures Update Report attached to the ACCWP FY 2023-24 Annual Report.

C.12.b.iii.(2). Report on ongoing O&M activities associated with all past contaminated property referrals. Prior to all new referrals, Permittees shall submit, for staff review and comment, a detailed description of the enhanced O&M plan for the referred properties.

Summary: Refer to the ACCWP Mercury and PCBs Control Measure Update Report attached to the ACCWP FY 2023-24 Annual Report.

C.12.c.iii.(2) ▶ Program for Control Measure Implementation in Old Industrial Areas

Submit an account of control measures and stormwater diversion implementation consistent with the plan submitted in March 2023 and any modifications thereto. Include maps of the areas treated, the acreage of catchments addressed, and a description of all control measures, installed treatment devices and routing facilities for each treated catchment.

Summary: Refer to the ACCWP Mercury and PCBs Control Measures Update Report attached to the ACCWP FY 2023-24 Annual Report.

C.12.d.iii.(1), (3) ► Program for Controlling PCBs from Bridges and Overpasses			
C.12.d.iii.(1). In the 2022 Annual Report or the Annual Report immediately following availability of the specification, include a description of the Caltrans specification for managing PCBs-containing materials in bridge or roadway expansion joints during roadway replacement or repair.			
Summary: Refer to the PCBs Control Section of ACCWP FY 2023-24 Annual Report.			
C.12.d.iii.(3). Submit documentation confirming the use of the Caltrans specification (once it is available) during all instances of bridge roadway replacement or repair in their jurisdiction during the reporting year and provide an estimate of the volume of material managed and total PCBs mass load reduced resulting from implementation of the specification.			
Summary: The Caltrans specification was not available to be implemented during FY 23-24.			

C.12.e.iii.(3), (4) ► Program for Controlling PCBs from Electrical Utilities				
Does your municipality own an electrical utility? If yes, follow the directions below.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
C.12.e.iii.(3). Submit a summary of plans to maintain and upgrade OFEE for municipally owned electrical utilities.				
Summary: We do not own OFEE.				
C.12.e.iii.(4). Submit a summary of the actions undertaken during the FY 2023-24 that remove municipally owned PCBs-containing OFEE along with loads avoided and the details of the calculations and assumptions used to estimate the load reduced.				
Summary: We do not own OFEE.				

C.12.g.iii.(1), (3), (4) ► Manage PCB-Containing Materials and Wastes During Building Demolition Activities				
C.12.g.iii.(1). Did your agency obtain an exemption in FY 2022-23 from Provision C.12.g requirements? If Yes, skip the remainder of this C.12.g section.	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	No
C.12.g.iii.(3)(a),(b),(c) and (d). Provide the following:				
<ul style="list-style-type: none"> (a) The number of applicable structures that applied for a demolition permit during the reporting year; (b) A running list of the applicable structures that applied for a demolition permit since July 1, 2019, the number of samples each structure collected, and the concentration of PCBs in each sample; (c) The project address, the demolition date, and a brief description of the PCBs-containing materials for each applicable structure with a PCBs concentration of 50 mg/kg or greater; and 				

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:

The City of Oakland Illicit Discharge Inspectors treat cases of wash water and waste generated from the cleaning and treatment of copper architectural features, including copper roofs, during and post-construction as illicit discharges. Complaints, inspection, and enforcement of the cleaning and treatment of copper architectural features are handled in the same manner as any illicit discharge and are handled under the City's Enforcement Response Plan (ERP) standards for illicit discharges.

How copper architectural features are addressed through the issuance of building permits is summarized here:

The City continues to implement the following standard condition of approval to all projects involving new installation and use of architectural copper. The condition of approval contains Best Management Practice (BMP) information for protecting water quality during construction and post-construction.

The project applicant shall implement BMPs for the installation, treatment, and maintenance of exterior architectural copper during and after construction of the project to reduce potential water quality impacts in accordance with Provision C.13 of the Municipal Regional Stormwater Permit issued under the National Pollutant Discharge Elimination System (NPDES). The required BMPs include, but are not limited to, the following:

1. If possible, use copper materials that have been pre-patinated at the factory
2. If patination is done on-site, ensure rinse water is not discharged to the storm drain system by protecting storm drain inlets and implementing one or more of the following:
3. Discharge rinse water to landscaped area;
4. Collect rinse water in a tank and discharge to the sanitary sewer, with approval by the City; or haul off-site for proper disposal;
5. During maintenance activities, protect storm drain inlets to prevent wash water discharge into storm drains; and
6. Consider coating the copper with an impervious coating that prevents further corrosion.

The City has also posted informational flyers containing BMP information for the use of architectural copper in the City's Permit Center.

Permittee Name: City of Oakland

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:

A building permit is required for the installation of a swimming pool and/or hot tub and the discharge connection to sanitary sewer.

The City of Oakland Illicit Discharge Inspectors treats cases of discharges from pools, spas, and fountains that contain copper-based chemicals as illicit discharges. Complaint, inspection, and enforcement of discharges from pools, spas, and fountains that contain copper-based chemicals are handled in the same manner as any illicit discharge, and handled under the City's Enforcement Response Plan standards for illicit discharges.

The City of Oakland had no spa or fountain discharges in FY23-24. The City of Oakland had one discharge from a pool in FY23-24 and confirmed that no copper-containing chemicals were used by the party responsible for the discharge.

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:

Under the C.4 inspection program the City of Oakland inspected one business in the 2023-2024 fiscal year that handles significant amounts of copper: scrap metal recycler JD RECYCLING LLC (JD SERVICES). This inspection was conducted jointly with East Bay Municipal Utility District and the Water Board. The inspection documented proper stormwater pollution prevent practices, including total capture and reuse of stormwater from the site.

The Bay Area Stormwater Management Agencies Association (BASMAA) PowerPoint training module Inspecting Industrial/Commercial Facilities for Pollutants of Concern (POC) Copper (Cu), Mercury (Hg) and Polychlorinated Biphenyls (PCBs) was shared with contracted inspectors. Those inspectors recommended updates to the training materials. City of Oakland staff shared the recommended updates with the Alameda Countywide Clean Water Program ACCWP. ACCWP is considering sharing an updated training with its members in 2025.

(d) The address, date building was constructed, and date of demolition for each structure that was constructed or remodeled between the years 1950 and 1980 and requires emergency demolition to protect public health and/or safety.

Refer to the ACCWP Mercury and PCBs Control Measure Update Report attached to the ACCWP FY 2023-24 Annual Report.

C.12.g.iii.(3)(c) and (4). For active demolition sites in FY 2023-24 with structures with PCBs concentrations ≥ 50 ppm, list the project address and demolition date, describe the PCBs-containing materials, state whether the site was inspected during demolition, and provide the hazardous waste manifest prepared for transportation of material to a disposal facility for those cases where notification and advance approval from U.S. EPA is not required and were approved for demolition after June 30, 2023.

C.12.g.iii.(4) ► Demolition Sites with PCBs Concentrations ≥ 50 ppm

Site Address	Demolition date	Brief description of the PCBs-containing materials	Was this site inspected during demolition? (Yes/No)	If this site was approved for demolition after June 30, 2023 and did not require notification to and advanced approval from EPA, attach the hazardous waste manifest and indicate it is attached.
8301 MacArthur Blvd	2/4/2023	Caulk, fiberglass insulation, thermal insulation, adhesive mastic, window gasket rubber, wall paint	No	N/A

Comments: 8301 MacArthur Blvd was demolished without permits, though otherwise done properly. Necessary permits were obtained after the demolition.

Refer to the PCBs Controls section of the ACCWP FY 2023-24 Annual Report for additional information.

C.12.j.iii. ► Implement a Risk Reduction Program

Report on the status of the risk reduction program, including a brief description of actions taken, an estimate of the number of people reached, and why these people are deemed likely to consume Bay fish.

Refer to the PCBs Controls section of the ACCWP FY 2023-24 Annual Report.

C.15.b.iii.(3) ► Emergency Discharges of Fire Fighting Water and Foam Ongoing Implementation Practices

Annually report on the following ongoing practices:

- Ensuring proper BMPs and SOPs are included in contracts for non-municipal (contracted) staff hired by Permittees to assist with containment and cleanup, and to assist with prevention and mitigation of adverse impacts, of discharges associated with firefighting emergencies; and
- Evaluating the adequacy of large industrial sites' BMPs and SOPs for the prevention, containment and cleanup of emergency firefighting discharges into storm drains and receiving waters within Permittees' jurisdictions and cause those BMPs and SOPs to be improved as appropriate.

Summary:

- Most municipal cleanup after firefighting emergencies in Oakland is done by City staff. City staff are required to implement BMP's to prevent stormwater pollution. Bayview Services is contracted by the City to help with spill cleanup and other hazardous materials cleanup. Bayview Services specialize in hazardous materials remediation, and compliance with pollution prevention laws.
- Industrial sites meeting the inspection criteria in section C.4 of the MRP are inspected by the City of Oakland to ensure best management practices are in place for stormwater pollution prevention. As part of this inspection plan, Oakland inspected the four priority large industrial sites in Oakland listed by the ACCWP (Flyers Energy, Transene Company, Chemical Compounding Co, and Excellent Metal Processing Inc.) in fiscal years 22-23 and 23-24. Industrial facilities are also inspected by the Oakland Fire Department to ensure fire code compliance.
- The City of Oakland has three representatives participating in the Bay Area Municipal Stormwater Collaborative (BAMSC) Regional Firefighting Discharges Work Group. The group is working to address recommended BMPs/SOPs in a Regional BMP Report due September 30, 2025. This work will help inform updates to the inspection program.

Additional information may be found in the ACCWP FY 23-24 Annual Report.

Permittee Name: City of Oakland

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 of Oakland promotes conservation of wildlands and open spaces through its Watershed Acquisition and Preservation Program. www.oaklandca.gov/resources/watershed-acquisition-and-preservation-program

The City of Oakland promotes native plants for creekside projects. The City promotes native and drought tolerant plant information resources at www.oaklandca.gov/resources/vegetation-management-for-creeks.

The City of Oakland promotes non-toxic pest control and landscaping information at www.oaklandca.gov/topics/integrated-pest-management-policies. That webpage lists Oakland's integrated pest management policies as well as information for home and garden settings.

The City's Watershed and Stormwater Management Division staffed a public outreach table at an Earth Day event in Courtland Creek Park on April 20, 2024. Approximately 40 people attended. Staff provided information and brochures to the public about water conservation, less toxic pest control and landscape management, use of drought tolerant and native vegetation, and appropriate watering/irrigation practices.

The City of Oakland requires all municipal buildings and newly constructed homes to follow Bay Friendly Landscape Guidelines. These guidelines align with conservation, less toxic pest control and landscape management, promotion of drought tolerant and native vegetation, and water conservation irrigation. See www.oaklandca.gov/resources/oakland-policies-on-water-conservation.

The City of Oakland requires compliance with the Water Efficiency Landscape Ordinance for new or redevelopment of single-family or multi-family residential, public, institutional or commercial projects that requires a permit, plan check or design review and meets certain size thresholds.

The City of Oakland publishes its water conservation policies at www.oaklandca.gov/resources/oakland-policies-on-water-conservation.

The City of Oakland facilitates gray water irrigation systems that conserve water. Information about permitting for this program is posted at www.oaklandca.gov/services/apply-for-simple-residential-gray-water-irrigation-system-permits.

FY 23-24 Annual Report

C.15 – Exempted and Conditionally Exempted Discharges

Permittee Name: City of Oakland

The City continues to implement water conservation actions in municipal buildings, on City property, and in the community. These actions are defined in 2020 Oakland Energy and Climate Plan (ECAP). Relevant 2020 ECAP Actions implemented last fiscal year are:

- BE-36: Encourage the installation of rainwater and greywater systems where appropriate in accordance with State and local codes.
- BE-41: As part of the LEED certification process, all municipal new construction and major renovation projects include a minimum of 20% reduction in water use. This is accomplished through efficient faucets, low-flow bathroom fixtures, and drip irrigation systems. Parks and landscape projects use only Bay Friendly plants and irrigation practices, reducing water use in outdoor spaces as well.

In July 2020 Oakland City Council adopted an update to Oakland's Climate Action Plan. The 2030 Equitable Climate Action Plan (ECAP) establishes actions that the City and its partners will take by 2030 within a racial equity framework to reduce Oakland's climate emissions and adapt to changing climate. The 2030 ECAP is available at: www.oakland2030.com.

Action A-6 in the ECAP calls for the City to expand and protect green infrastructure and biodiversity. Green infrastructure installed to treat roadway runoff will also help prevent impacts from over-irrigation.

See also the ACCWP's FY 2023-24 Annual Report, sections C.3 New Development and Redevelopment, C.7. Public Information and Outreach, and C.9. Pesticide Toxicity Control sections.

ATTACHMENT C.3.1

City of Oakland

Letter to

Alameda County

Mosquito and Vector Control District

Fiscal Year 2023-2024

CITY OF OAKLAND



250 FRANK H. OGAWA PLAZA OAKLAND, CALIFORNIA 94612-2033

Oakland Public Works Department
Bureau of Design & Construction
Watershed & Stormwater Management Division

(510) 238-7276
FAX (510) 238-6333
TDD (510) 238-7644

August 21, 2024

Joseph Huston
Field Operations Supervisor
Alameda County Mosquito Abatement District
23187 Connecticut Street
Hayward, CA 94545-1605
joseph@mosquitoes.org

Re: Stormwater Treatment Measures Installed in the City of Oakland, fiscal year 20223-2024

Dear Mr. Huston:

Provision C.3.h.v.(2) of the Municipal Regional Stormwater National Pollutant Discharge Elimination System Permit (MRP), issued by the San Francisco Bay Regional Water Quality Control Board (Water Board), requires the City of Oakland to provide a list of newly installed stormwater treatment and control systems to the Alameda County Mosquito Abatement District (District) on an annual basis before the wet season (September 30). The following table and attached maps list and describe the stormwater treatment and control systems installed in the City of Oakland in during Fiscal Year 2023-2024. Site plans for each project are included in the attachment.

Address	Party Responsible for Maintenance	Treatment/HM Control(s) Type	Project Completion Date
238 13th St.	Owner: NASH-Holland 14th & Alice Investors, LLC	2 Media filters	4/13/2023
385 14th St.	Owner: CP VI Franklin, LLC	2 Media filters	10/20/2023
A-1 Self Storage, 4356 Coliseum Way	Owner: Oakland Coliseum Storage, LLC	Bioretention area	6/20/2023
3511 E. 12th St.	Owner: 3511 E. 12th Street L.P.	9 Flow-Through Planters	4/9/2024

Address	Party Responsible for Maintenance	Treatment/HM Control(s) Type	Project Completion Date
5441 International Blvd	Owner: Bridge Point Oakland	3 Flow-Through Planters	10/13/2023
9415 International Blvd	Owner: MNCVAD II-Holiday Union JV LCC	1 Media Filter	12/6/2023
2242 Magnolia St.	Owner: 2242 Magnolia LLC	12 areas permeable pavers	4/30/2024
Audi of Oakland, 7201 Oakport St.	Owner: SC Oakland RE, LLC	Bioretention area	1/19/2024
532 Union St.	Owner: MNCVAD II-Holiday Union JV LCC	1 Media Filter	3/27/2024
Oakland Museum of California, 1000 Oak St.	Oakland Museum of California	1 Media Filter	6/28/2024

Please contact me with questions: 510-238-7267. tfashing@oaklandca.gov.

Sincerely,


Terri Fashing (Aug 21, 2024 09:09 PDT)

Terri Fashing

Acting Watershed and Stormwater Division and DD Program Manager

City of Oakland Public Works, Watershed and Stormwater Management Division

CC (email only):

Emily Ehlers, Interim Oakland Public Works Bureau of Design and Construction Assistant Director,

Mike Perlmutter, Watershed Programs Specialist, City of Oakland Watershed and Stormwater Management Division

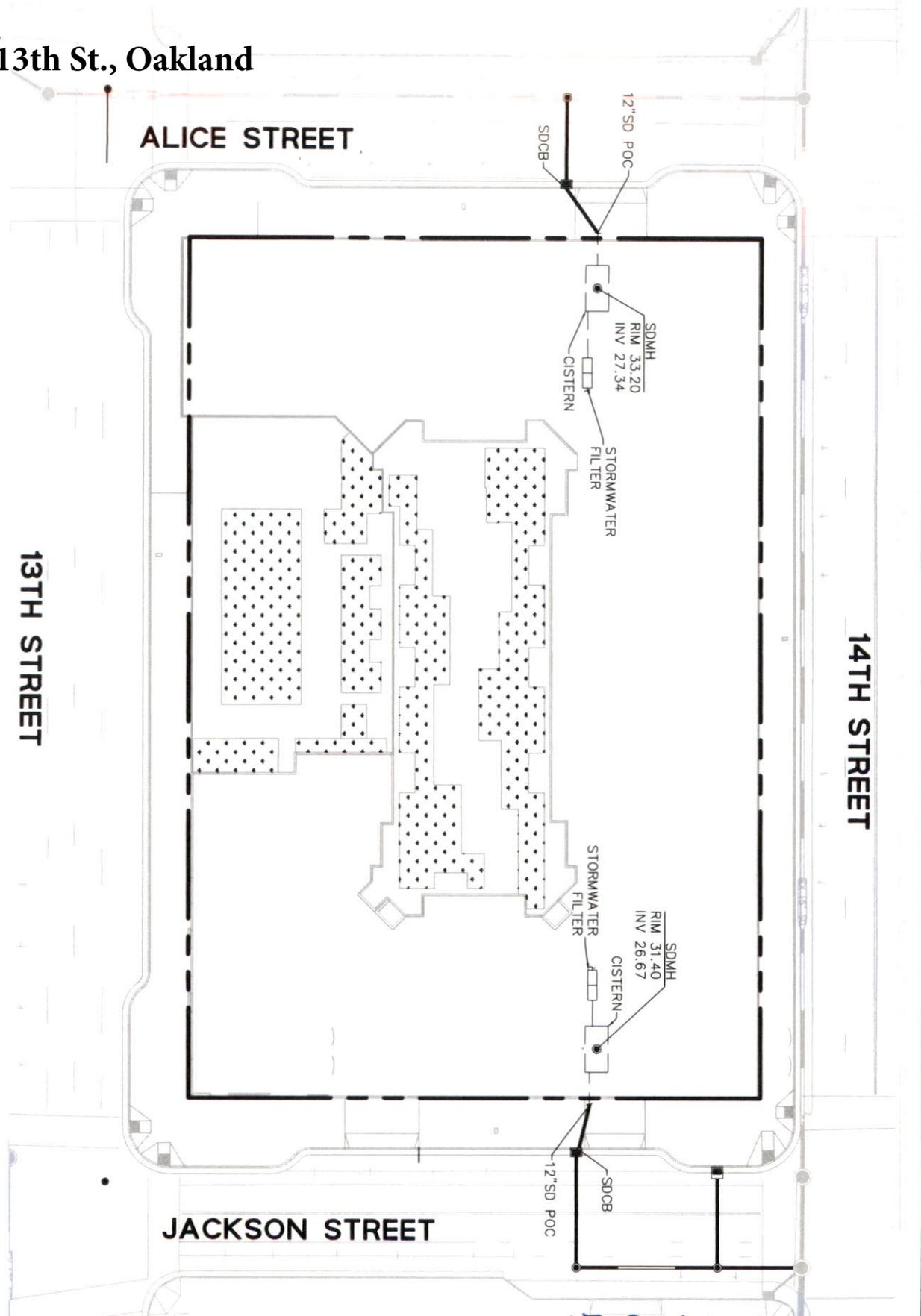
Hoang Bahn, City of Oakland Department of Planning & Building

Aidan R. Cecchetti, Water Resource Control Engineer, San Francisco Bay Regional Water Quality Control Board

Attachments: Site plan for projects listed in table above.

238 13th St., Oakland

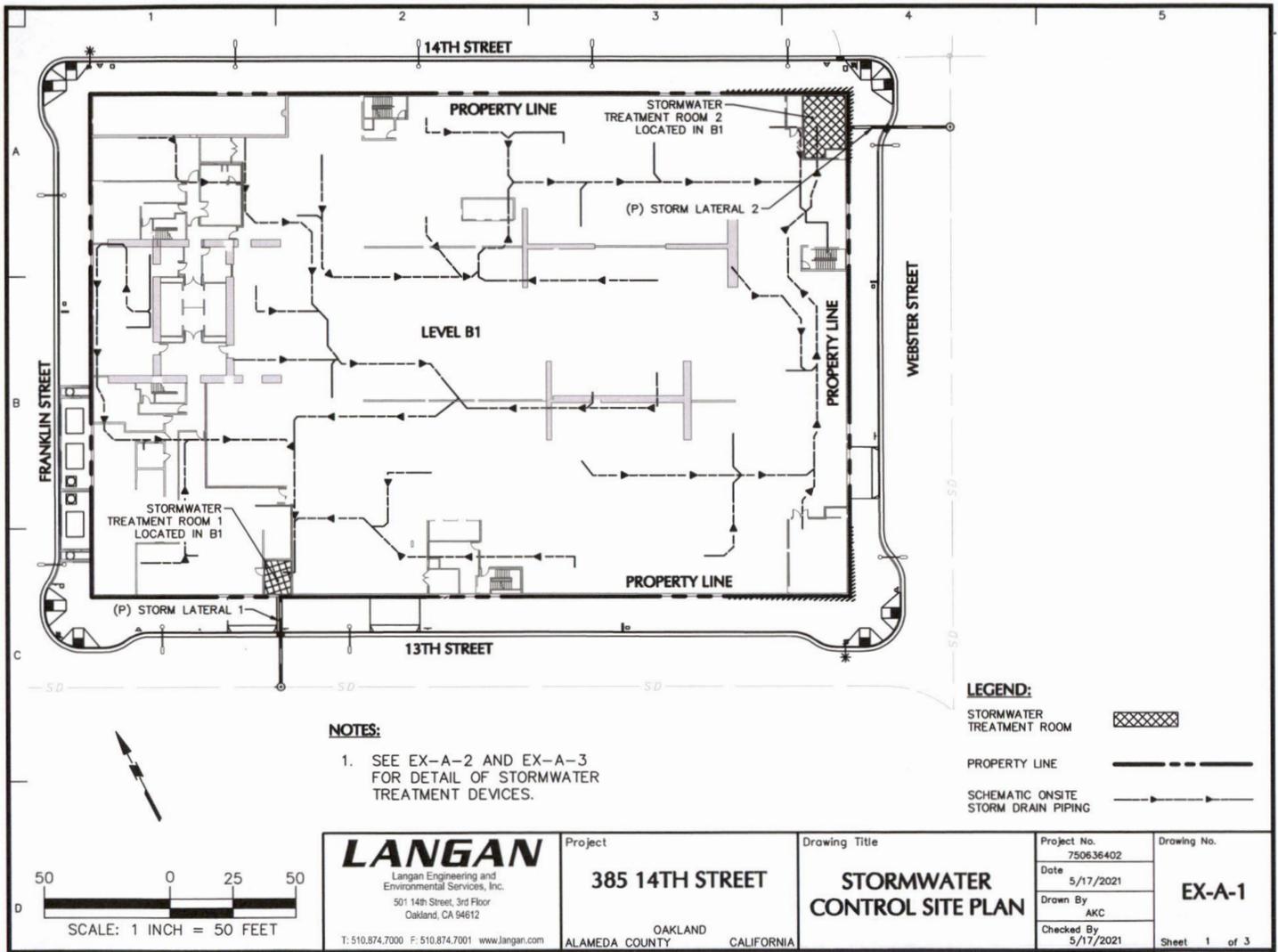
PROPERTY: 238 13TH STREET, OAKLAND, CA 94612
GM: 17GM00067



1730 N. FIRST STREET
 SUITE 600
 SAN JOSE, CA 95112
 408-467-9100
 408-467-9199 (FAX)

Subject 14TH AND ALICE PLN 15320
 EXHIBIT A
 Job No. 20176014
 By CT Date 04/27/21 Chkd. _____
 SHEET 1 OF 1

385 14th Street, Oakland



NOTES:

1. SEE EX-A-2 AND EX-A-3 FOR DETAIL OF STORMWATER TREATMENT DEVICES.

LEGEND:

- STORMWATER TREATMENT ROOM
- PROPERTY LINE
- SCHEMATIC ONSITE STORM DRAIN PIPING

LANGAN
 Langan Engineering and Environmental Services, Inc.
 501 14th Street, 3rd Floor
 Oakland, CA 94612
 T: 510.874.7000 F: 510.874.7001 www.langan.com

Project
385 14TH STREET
 OAKLAND
 ALAMEDA COUNTY CALIFORNIA

Drawing Title
STORMWATER CONTROL SITE PLAN

Project No. 750636402	Drawing No. EX-A-1
Date 5/17/2021	
Drawn By AKC	
Checked By 5/17/2021	Sheet 1 of 3

Exhibit A 18GM00027

EXHIBIT "A"

ORIGINAL DOCUMENT MAY BE FOUND AT:
CITY OF OAKLAND
250 FRANK H. OGAWA PLAZA, 2ND FLOOR
OAKLAND CA 94612

SOUTHERN PACIFIC TRANSPORTATION COMPANY



SCALE : 1" = 50'

A-1 SELF STORAGE

COLISEUM WAY

PROPOSED
BIORETENTION
NO. 1

45TH AVE

LEGEND

DESCRIPTION
STORMWATER BIORETENTION

SYMBOL



PLN18-360
21GM00002



K&S ENGINEERING, INC.
Planning . Engineering . Surveying

7801 Mission Center Court, Suite 100 San Diego, CA 92108 (619) 296-5565

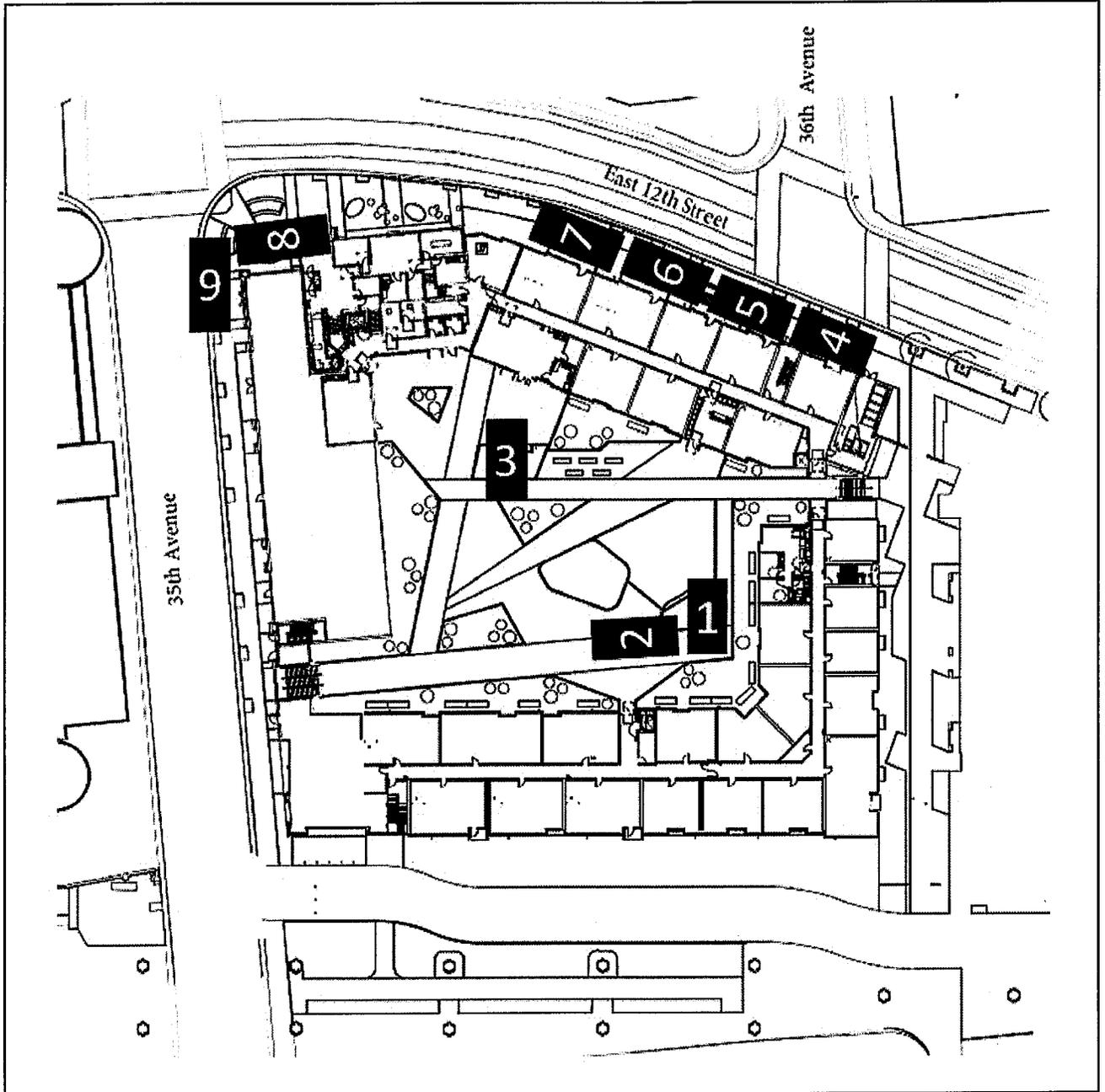
SITE PLAN
4356 COLISEUM WAY
CITY OF OAKLAND - ALAMEDA COUNTY

EXHIBIT "A"

SHEET: 1 OF 1

3511 E. 12th Street, Oakland, CA

Exhibit A Site Plan



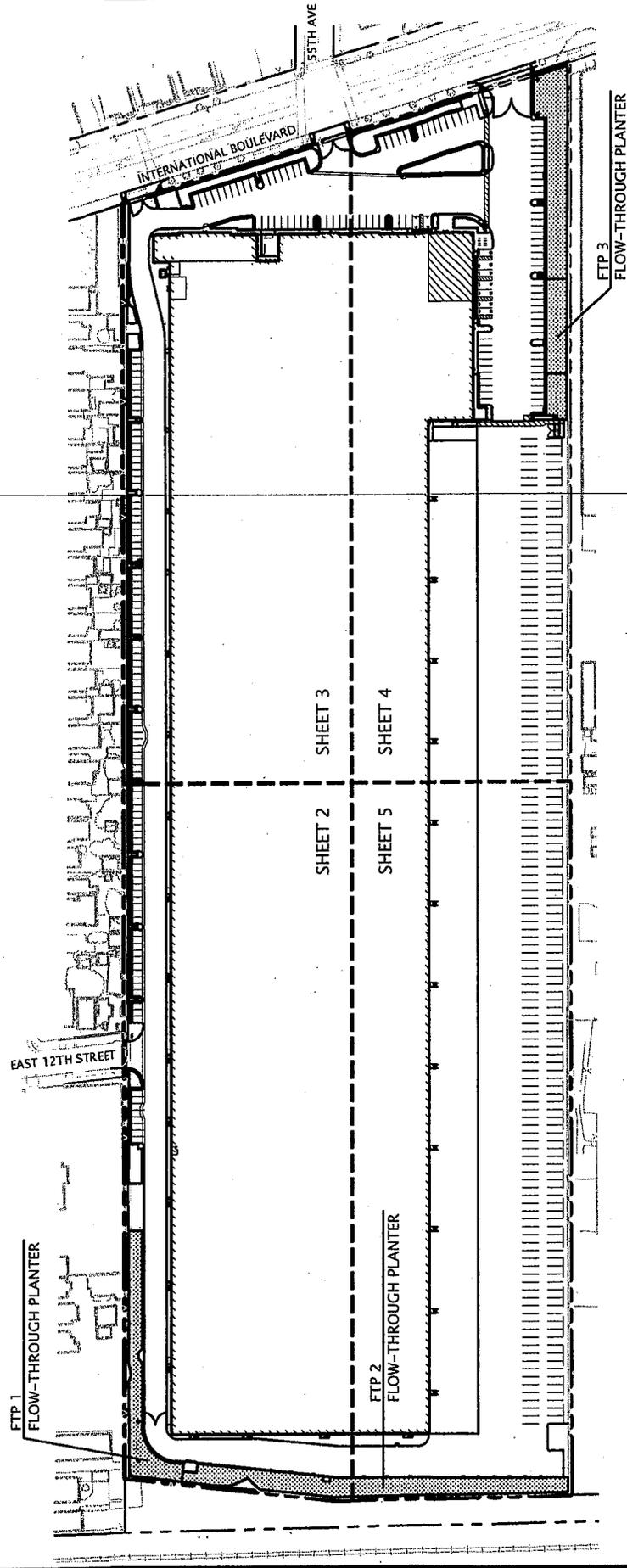
= 9 Flow-Thru Planters

- *Better copy of this document is available at the City of Oakland*



LEGEND

FTP = FLOW-THROUGH PLANTER



DATE	01.05.2023
SCALE	1" = 200'
BY	KR
JOB NO.	A18535
SHEET	1 OF 5

EXHIBIT A
SITE PLAN WITH STORMWATER TREATMENT MEASURES
5441 INTERNATIONAL BOULEVARD
INSPECTION CASE #: 20GM00016
OAKLAND
CALIFORNIA

KIER+WRIGHT
 10395 Old Placerville Rd, SUITE 100 Phone: (916)538-1905
 Sacramento, CA 95827 www.kierwright.com



0 40 80 160 240

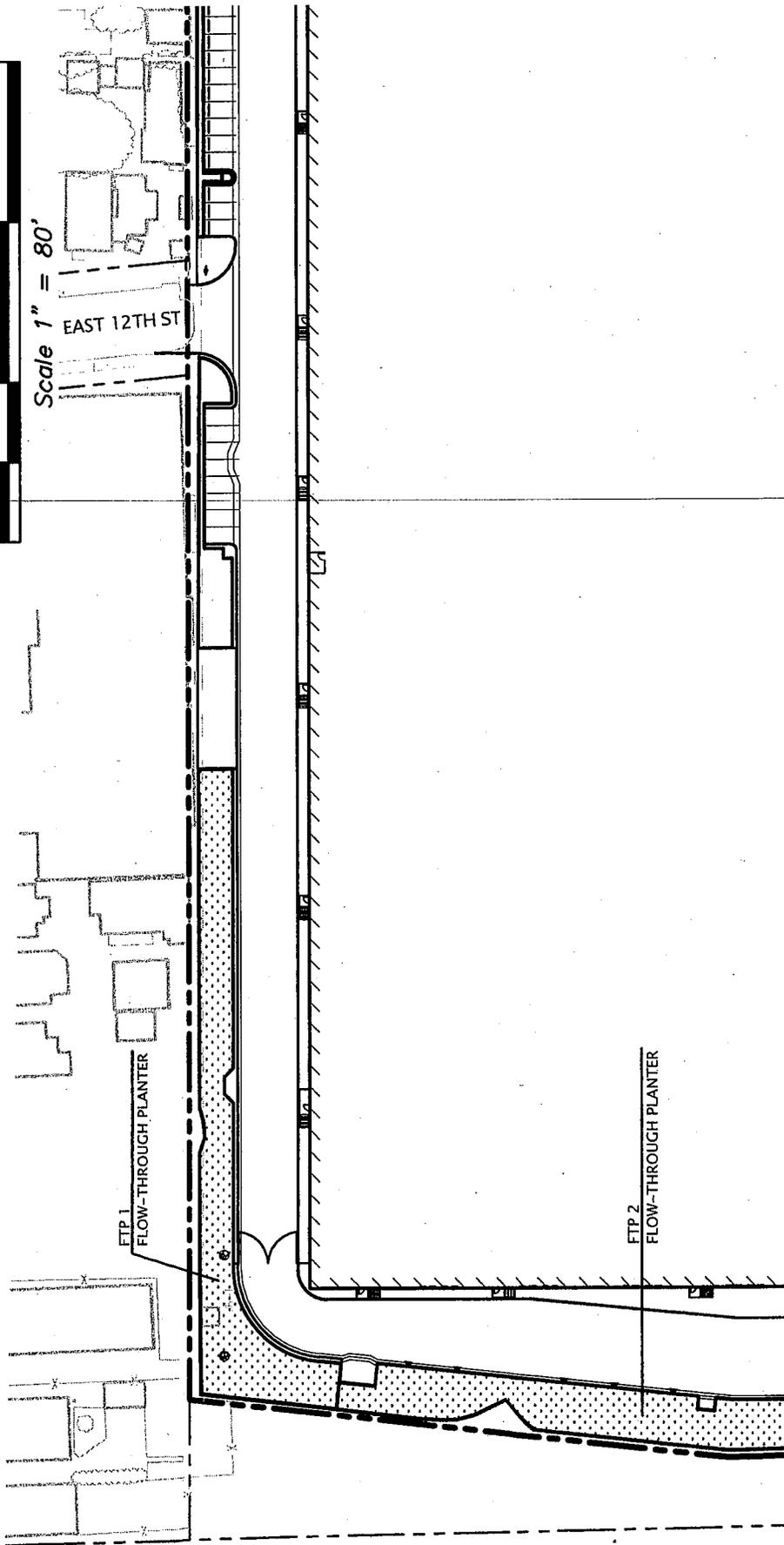


Scale 1" = 80'

EAST 12TH ST

LEGEND

FTP = FLOW-THROUGH PLANTER



FTP 1
FLOW-THROUGH PLANTER

FTP 2
FLOW-THROUGH PLANTER

DATE	01.05.2023
SCALE	1" = 80'
BY	KR
JOB NO.	A18535
SHEET	2 OF 5

EXHIBIT A
SITE PLAN WITH STORMWATER TREATMENT MEASURES
5441 INTERNATIONAL BOULEVARD
INSPECTION CASE #: 20GM00016

CALIFORNIA



KIER+WRIGHT
 10395 Old Placerville Rd, SUITE 100 Phone: (916)538-1905
 Sacramento, CA 95827 www.kierwright.com

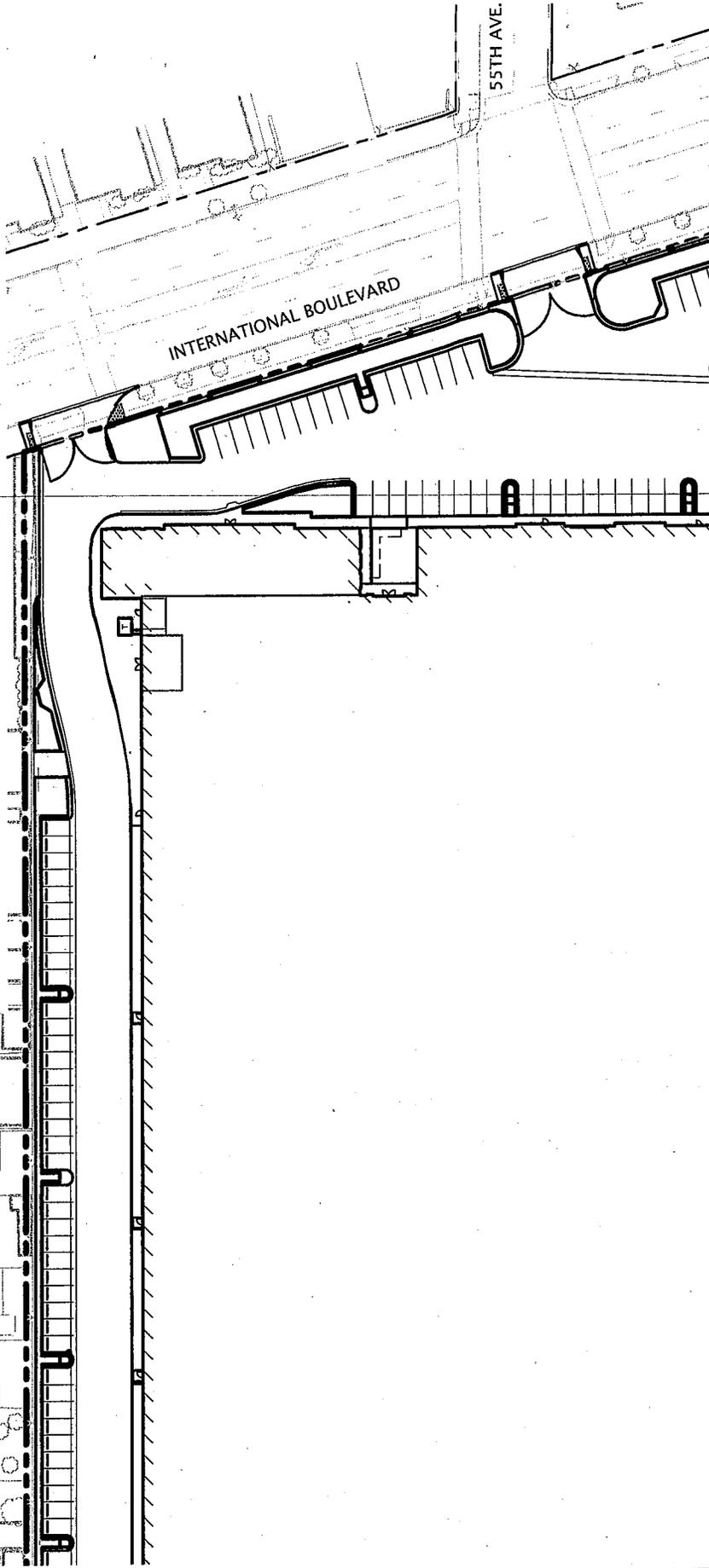
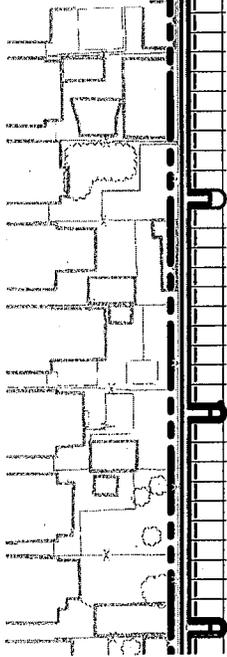
OAKLAND



Scale 1" = 80'

LEGEND

FTP = FLOW-THROUGH PLANTER



DATE	01.05.2023
SCALE	1" = 80'
BY	KR
JOB NO.	A18535
SHEET	3 OF 5

EXHIBIT A
SITE PLAN WITH STORMWATER TREATMENT MEASURES
5441 INTERNATIONAL BOULEVARD
INSPECTION CASE #: 20GM00016
OAKLAND
CALIFORNIA

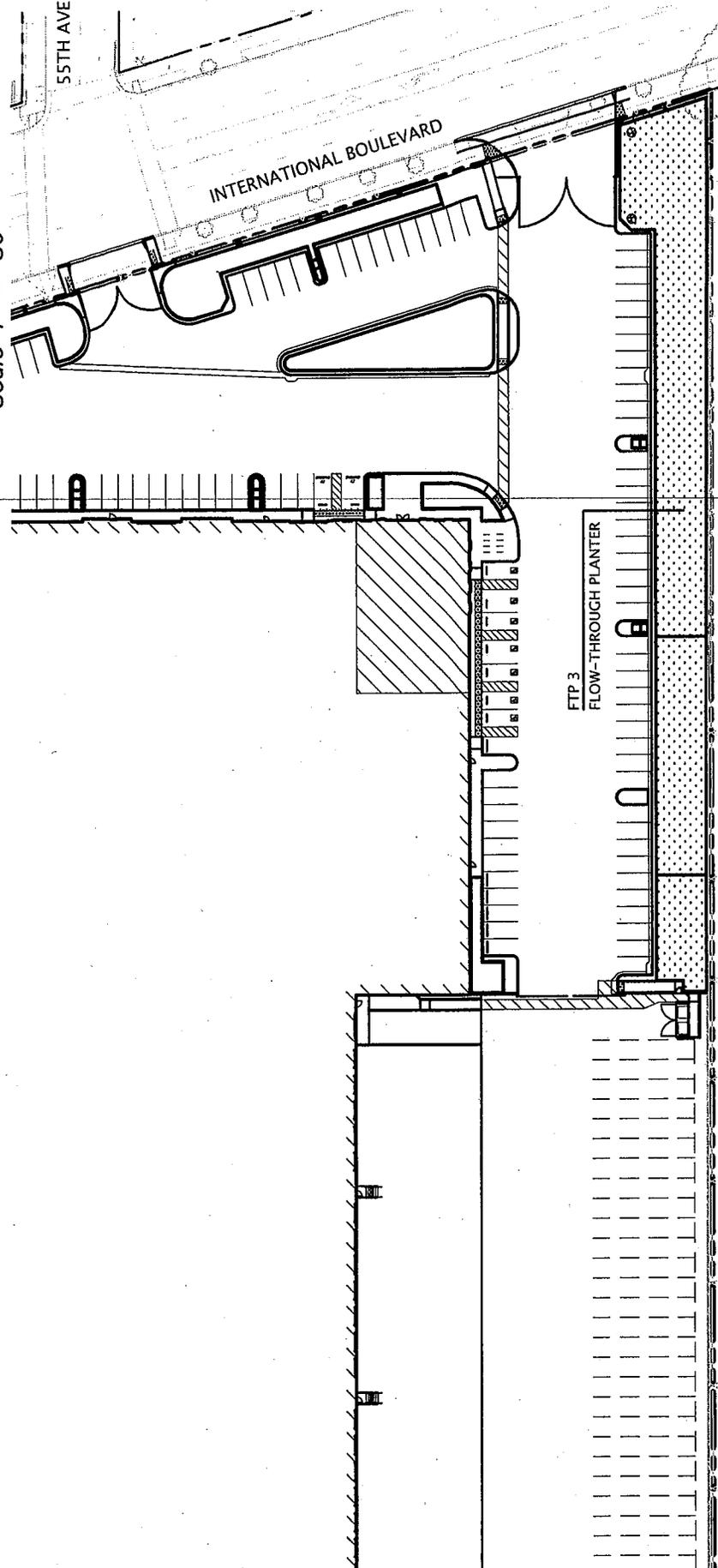


KIER+WRIGHT
 10395 Old Placerville Rd, SUITE 100 Phone: (916)538-1905
 Sacramento, CA 95827 www.kierwright.com



LEGEND

FTP = FLOW-THROUGH PLANTER



DATE	01.05.2023
SCALE	1" = 80'
BY	KR
JOB NO.	A18535
SHEET	4 OF 5

EXHIBIT A
SITE PLAN WITH STORMWATER TREATMENT MEASURES
5441 INTERNATIONAL BOULEVARD
INSPECTION CASE #: 20GM00016

OAKLAND CALIFORNIA

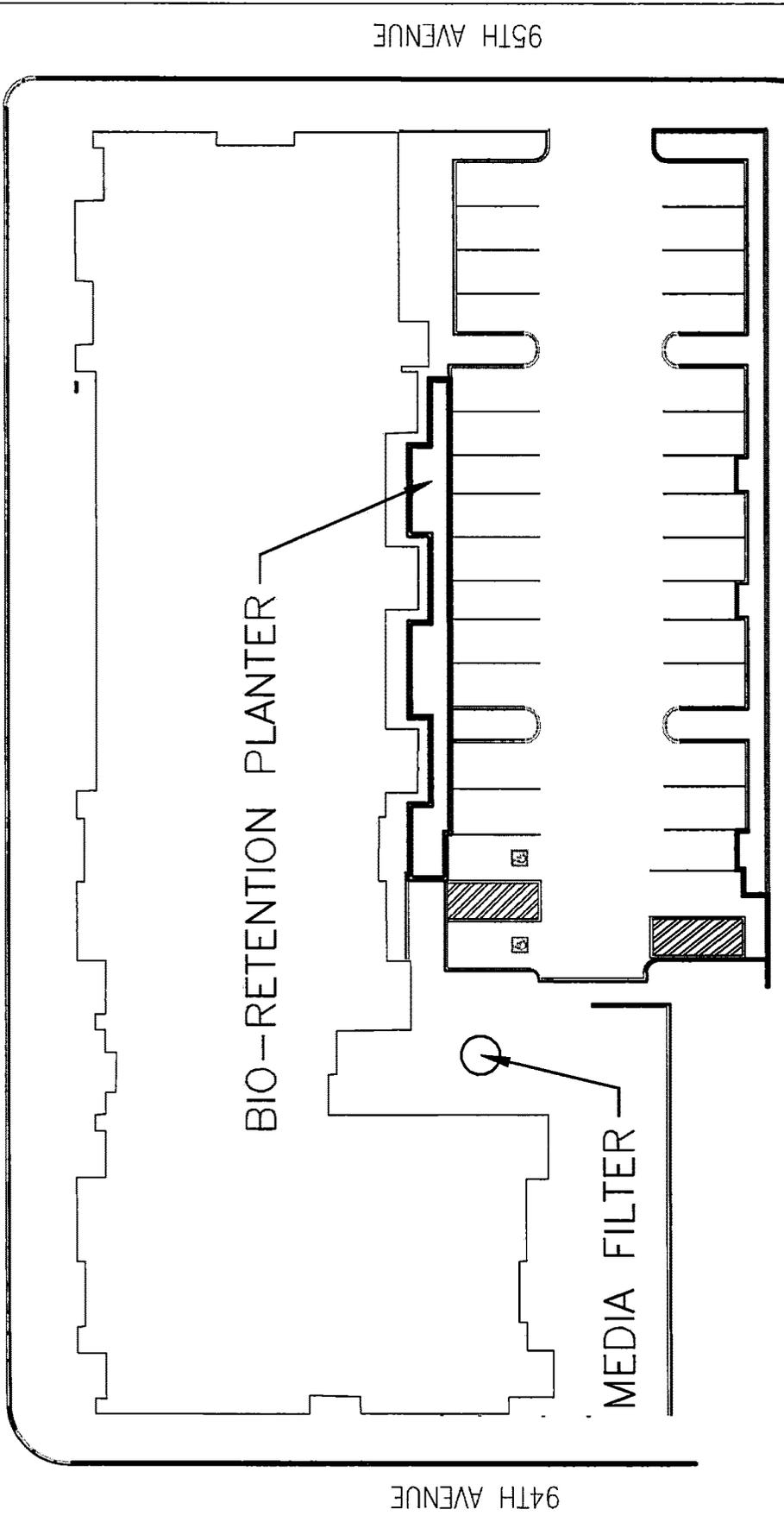


KIER+WRIGHT
 10395 Old Placerville Rd, SUITE 100 Phone: (916)538-1905
 Sacramento, CA 95827 www.kierwright.com

9415 International Blvd, Oakland, CA

Exhibit A: Site Plan

INTERNATIONAL BOULEVARD

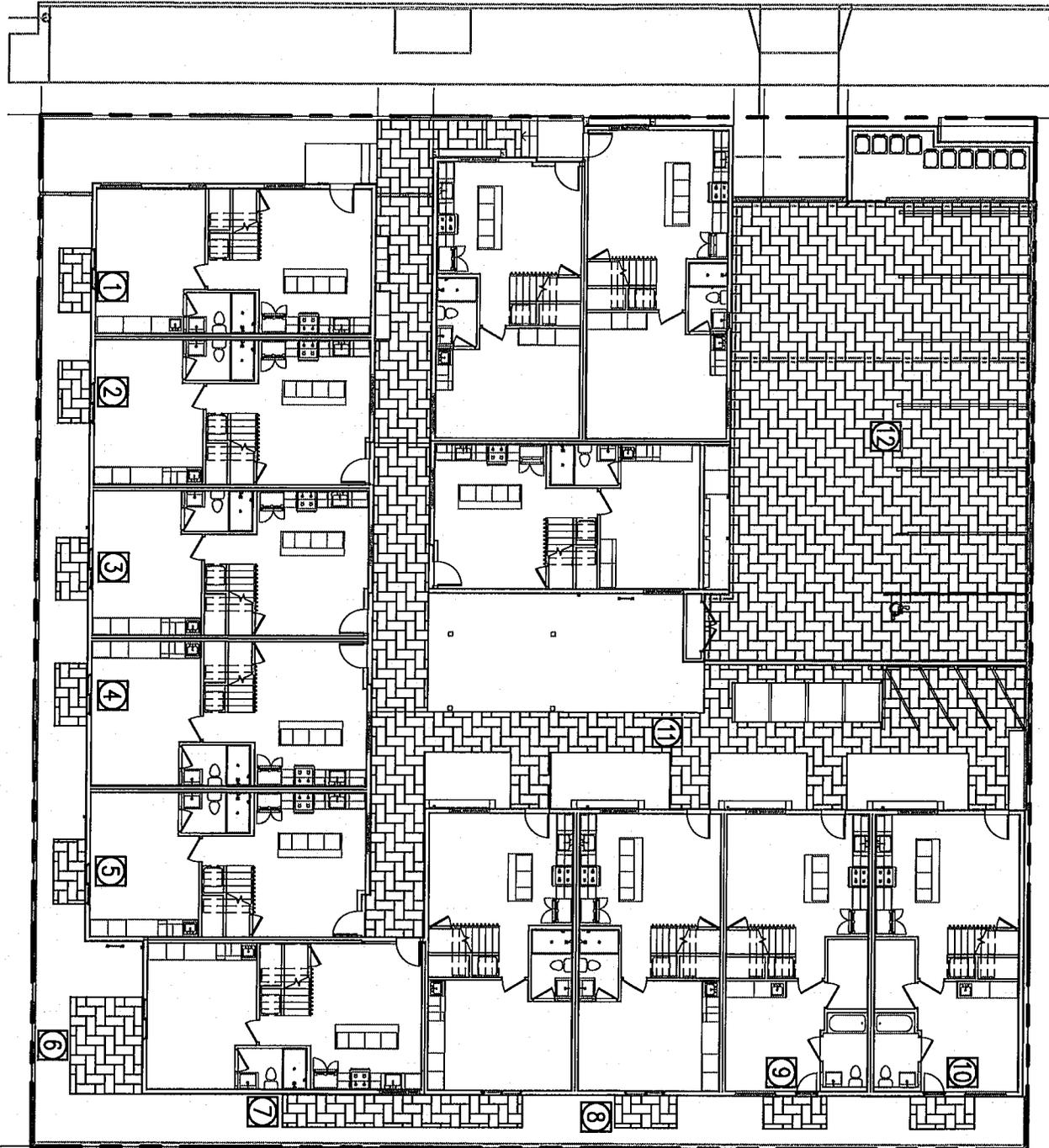


PLN18399
21GM00009

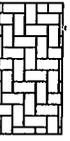
SCALE: AS SHOWN DATE: 07/19/2023	95th & INTERNATIONAL 9415 INTERNATIONAL BLVD, OAKLAND, CALIFORNIA 94603	CALICHI DESIGN GROUP 3240 Peralta Street #3 Oakland, CA 94608	STORMWATER MAINTENANCE EXHIBIT	DRAWING NUMBER: SME-1
-------------------------------------	--	---	--------------------------------------	-----------------------------

2242 Magnolia St, Oakland, CA

MAGNOLIA STREET



LEGEND



PERVIOUS PAVING (PERMEABLE PAVERS)

①

PERVIOUS PAVING FACILITY NO.

20
0 10 20
40

GRAPHIC SCALE



(IN FEET)
1 inch = 20 ft.



2242 MAGNOLIA STREET OAKLAND, CA

21GM00004

SCALE: 1"=20'

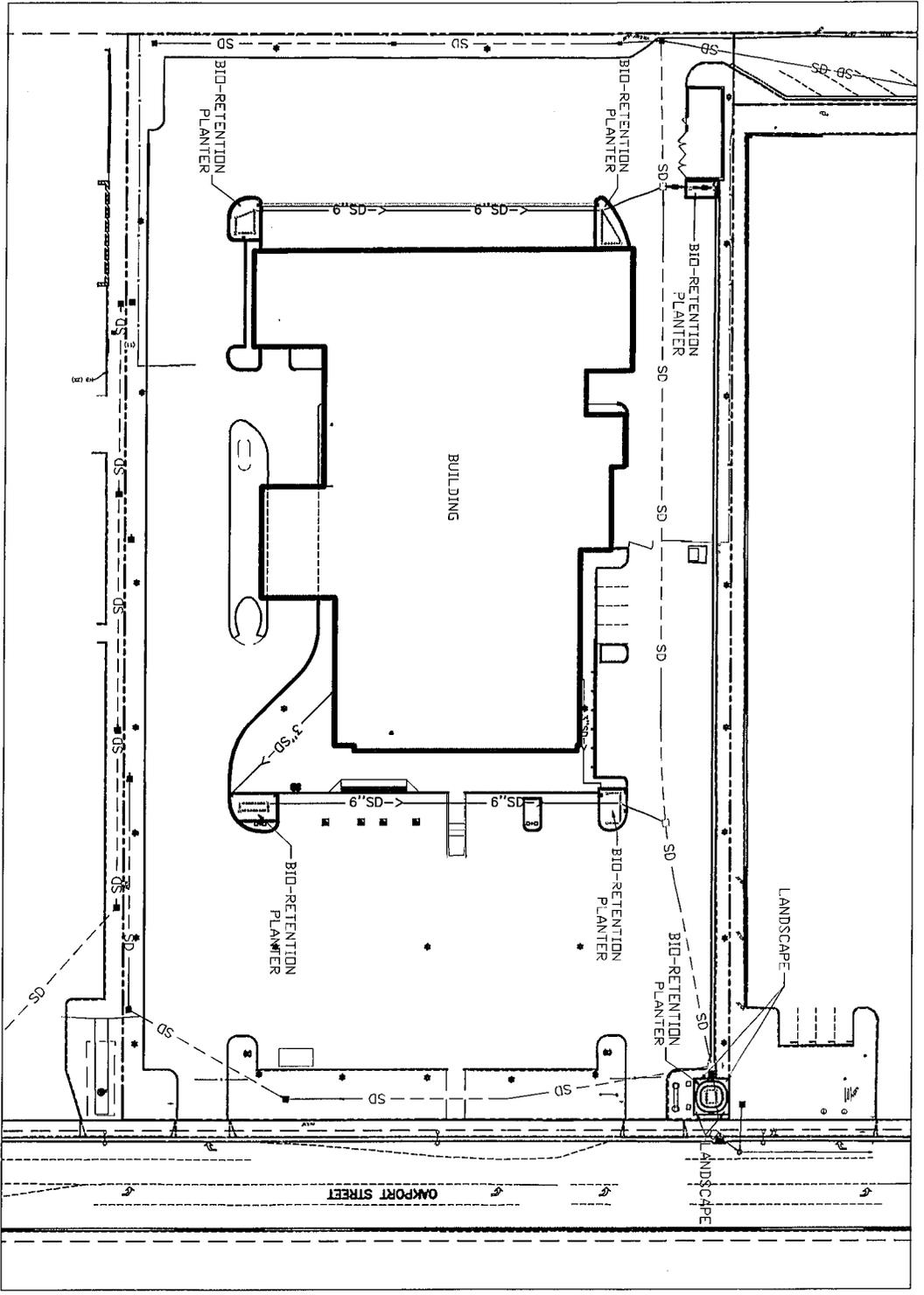
Job No.: 19115A10

GM No.: 21GM00004

SITE PLAN

SHEET NO.:
EXHIBIT-A

7201 Oakport Street, Oakland, CA



Storm Water Treatment Measures
Maintenance Agreement

CM13-217-RO1
22GMM00001

Better quality copy available in City Offices

URS
PAUL BOUNDY
ARCHITECTS
720 NW Davis, Suite 300
Portland OR 97209
503.221.1121
503.221.2077
www.urscorp.com

CONSULTANT:

CALICHI
CALICHI DESIGN GROUP
3240 PARALTA STREET #3
OAKLAND, CA 94608
(510) 250-7877
WWW.CALICHI.COM

PROJECT NUMBER: 220181

Audi of Oakland
7201 Oakport Street
Oakland, CA, 94621

SHEET TITLE:

EXHIBIT A
SITE PLAN

DRAWN BY: DC 2023/11/28

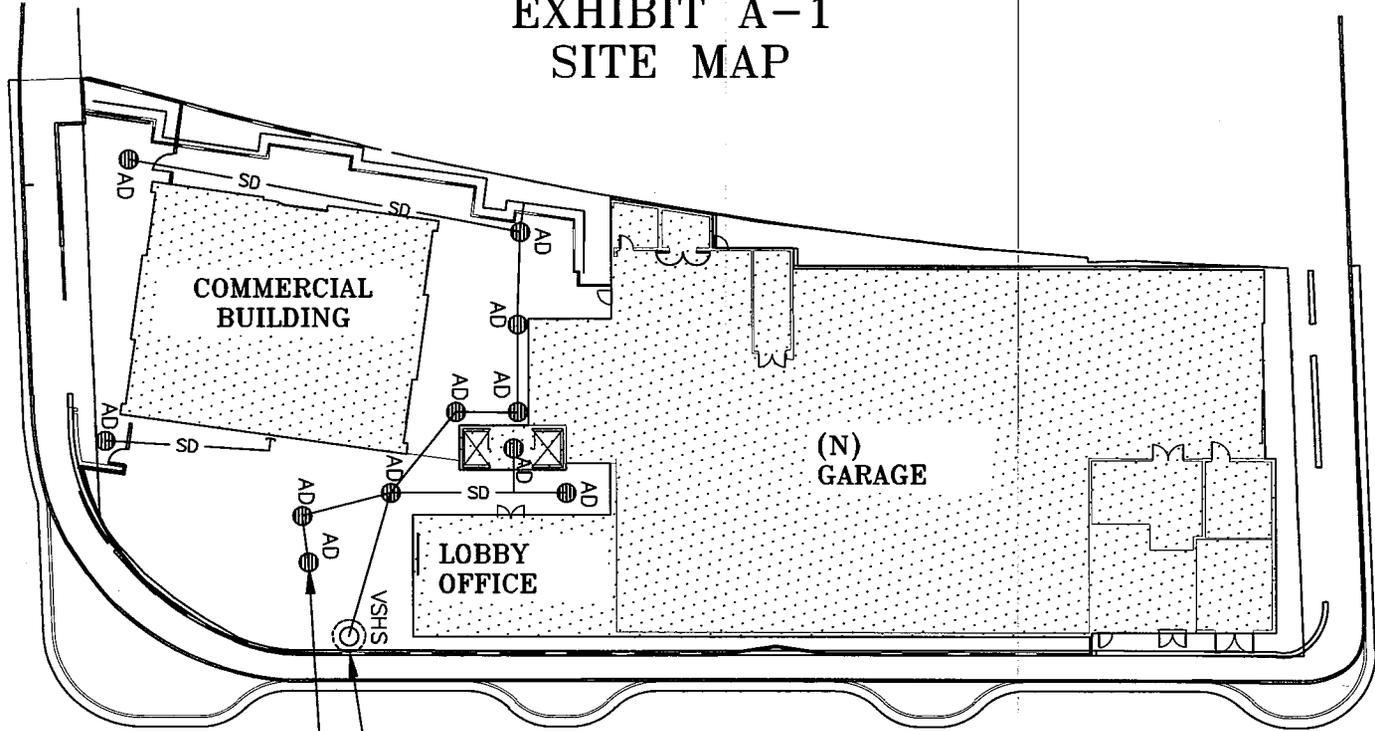
EX-A

532 Union Street, Oakland, CA

EXHIBIT A-1
SITE MAP

UNION STREET

MAGNOLIA STREET



STORMWATER TREATMENT UNIT
CONTECH VORTSENTRY HS48

5TH STREET

AREA DRAINS

Date: 1/25/2024
Scale: NTS
Case No. PLN16-164
19GM00001

532 UNION STREET
OAKLAND,
CALIFORNIA



LEA & BRAZE ENGINEERING, INC.

CIVIL ENGINEERS • LAND SURVEYORS

MAIN OFFICE:
2495 INDUSTRIAL PKWY WEST
HAYWARD, CALIFORNIA 94545
(510) 887-4086

REGIONAL OFFICES:
ROSEVILLE
DUBLIN
SAN JOSE

EX A-1
01 OF 01 SHEETS

ALAMEDA COUNTY

APN: 004-0043-004-00

WWW.LEABRAZE.COM

MEDIA FILTER 1

AREA TREATED BY MEDIA FILTER 1

AREA TREATED BY MEDIA FILTER 1

MEDIA FILTER 1 TREATMENT AREA
— SD — CONVEYANCE TO MEDIA FILTER 1

NOTE:
AREAS NOT TREATED BY MEDIA FILTER 1 ARE EITHER
SELF-TREATING OR SELF-RETAINING.

CASE NUMBER:
DS190405
23GM00009

0 50' 100' 200'



EXHIBIT B - SITE PLAN

1000 OAK ST.
OAKLAND, CA 94607

MARCH 18, 2024

DS190405
23GM00009

ORIGINAL COPY

WITH

CITY OF OAKLAND

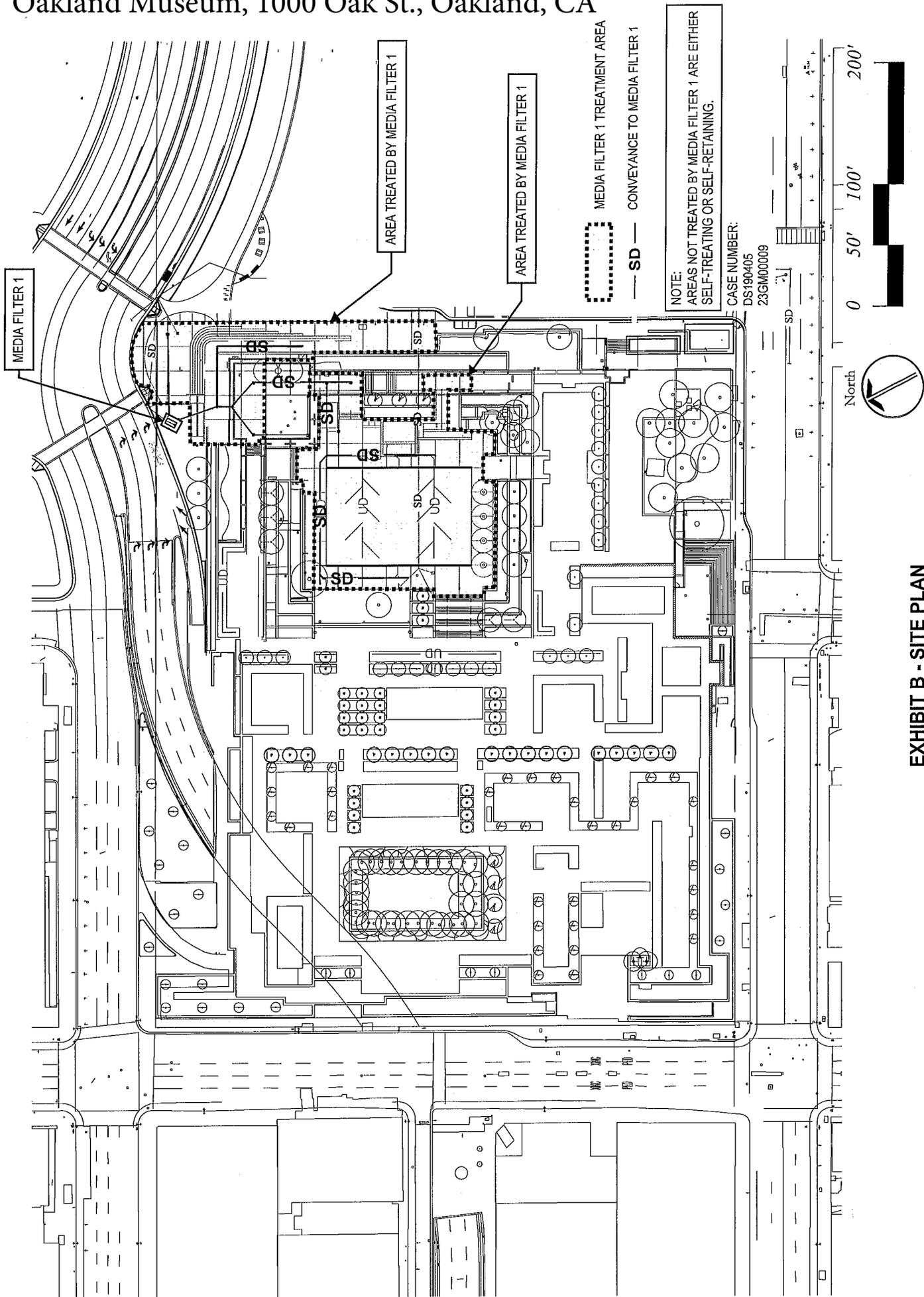


EXHIBIT B - SITE PLAN

1000 OAK ST.
OAKLAND, CA 94607

MARCH 18, 2024

DS190405
23GM00009

RECORDING REQUESTED BY AND
WHEN RECORDED MAIL TO:

City of Oakland
CEDA
Building Services Division
250 Frank H. Ogawa Plaza, Suite 2340
Oakland, CA 94612
Attn: City Engineer/Stormwater Reporting

NO FEE DOCUMENT PURSUANT TO
GOVERNMENT CODE SECTION 6103

2024059845

05/10/2024 04:00 PM

24 PGS

OFFICIAL RECORDS OF ALAMEDA COUNTY
MELISSA WILK, CLERK-RECORDER
RECORDING FEES: \$0.00



THIS SPACE FOR RECORDER'S USE ONLY

APN: 018-0450-004

**CITY OF OAKLAND
STORMWATER TREATMENT MEASURES MAINTENANCE
AGREEMENT**

This Stormwater Treatment Measures Maintenance Agreement (“**Agreement**”) is entered into this March 19, 2024 by and between the City of Oakland, a California Municipal Corporation (“**City**”) and the Oakland Museum of California., a California nonprofit public benefit corporation (“**OMCA**”) (each individually a “**Party**” and collectively, the “**Parties**”).

RECITALS

This Agreement is entered into upon the basis of the following facts, understandings and intentions of the City and OMCA.

A. Pursuant and subject to the provisions of that certain Lease Agreement (1000 Oak Street & 450 Lancaster Street) by and between City, as landlord, and OMCA, as tenant, as successor in interest to the Oakland Museum of California Foundation, a California nonprofit corporation, dated as of July 1, 2011, as disclosed by that certain Memorandum of Lease dated as of May 19, 2020, recorded in the Official Records of Alameda County, California (the “**Official Records**”), on May 20, 2020 as Instrument No. 2020116209 (collectively, the “**Lease**”), the City leases to OMCA, and OMCA leases from the City, certain real property located in the City of Oakland, including the property commonly known as 1000 Oak Street, as more particularly described on **Exhibit A** attached hereto (the “**Property**”).

B. The Commencement Date of the Lease is July 1, 2011 and the Term of the Lease shall expire on June 30, 2061, unless earlier terminated by subsequent mutual written agreement of Landlord and Tenant or otherwise in accordance with the Lease.

C. The Property was developed as the museum campus of the Oakland Museum of California (the “**Museum**”) and OMCA has implemented an \$18 million Museum campus capital improvement project (the “**Project**”) that includes improved accessibility to the Museum through entrances at 10th and 12th Streets, replanting of the gardens, improvements to the Museum café, and a stronger connection to Lake Merritt.

D. The Capital Improvements also include the landscaped areas (the “**Landscape Areas**”) adjacent to the Property within the 11th Street right-of way depicted on **Exhibit B** attached hereto, pursuant to, and as more particularly described in plans and specifications prepared by, or on behalf of, OMCA (collectively, the “**Plans**”) pursuant to that certain permit PZ2000062 Oak Street (the “**Building Permit**”) on file with the City.

E. The conditions of approval for the Project require that the stormwater treatment measure(s) (“**Measures**”) and/or any hydromodification controls(s) described and shown on the approved Site Plan, of which full-scale plans and any amendments thereto are on file with the Community and Economic Development Agency of the City, be installed/constructed, operated, and maintained by OMCA and that OMCA enters into this Agreement.

F. On November 19, 2015, the California Regional Water Quality Control Board, San Francisco Bay Region, adopted Order R2-2015-0049 (CAS612008), reissuing the Alameda Countywide National Pollutant Discharge Elimination System Municipal Regional Stormwater Permit (“**NPDES**”) municipal stormwater permit (“**Permit**”) for the Alameda Countywide Clean Water Program, pursuant to the Federal Clean Water Act.

F. Provision C.3.h. of this NPDES Permit, and as it may be amended or reissued, requires the permittee (public agency) to provide minimum verification and access assurances that all stormwater treatment measures and hydromodification controls (if any) shall be adequately installed/constructed, operated, and maintained by entities responsible for the stormwater treatment measures.

G. Oakland Municipal Code Chapter 13.16 (Creek Protection, Storm Water Management and Discharge Control Ordinance) is designed to, in part, protect and enhance water quality in a manner consistent with and pursuant to the Federal Clean Water Act; and

H. The City is the permittee (public agency) with jurisdiction over the Property; and

I. OMCA, its administrators, co-owners, executors, successors, heirs, assigns, legal representatives, all persons acquiring any part or portion of the Property, whether by operation of law or otherwise, or any other persons, recognizes that the Measure(s) must be installed/constructed, operated, and maintained as indicated in this Agreement and as required by the NPDES Permit; and

J. The City and OMCA agree that the health, safety and welfare of the citizens of the City require that the Measure(s) detailed in the Site Plan be installed/constructed, operated, and maintained adequately.

K. OMCA recognizes that the City’s approval of the Building Permit is based on OMCA’s commitment to the long-term maintenance, repair, care, and, if and when necessary, replacement of the stormwater treatment measures within the Landscape Areas (collectively, the “**Improvements**”), and that the Building Permit would not have been approved without the assurance that this Agreement would be executed by OMCA for recordation in the Official Records prior to any acceptance of public improvements by the City.

L. The City and OMCA desire to enter into an agreement pursuant to which OMCA will maintain the Improvements within the Landscape Areas.

THEREFORE, in consideration of the foregoing and also the benefit received by OMCA as a result of the City’s approval of the Project, all of which are hereby acknowledged, OMCA hereby covenants and agrees with the City as follows:

SECTION 1: CONSTRUCTION OF TREATMENT MEASURES

The Measure(s) shall be installed/constructed, operated, and maintained by OMCA in strict accordance with the approved plans and specifications identified for the Project and any other requirements thereto which have been approved by the City in conformance with appropriate City ordinances, guidelines, criteria and other written direction.

SECTION 2: OPERATION & MAINTENANCE RESPONSIBILITY

This Agreement shall serve as the signed statement by OMCA accepting responsibility for installation/construction, operation, and maintenance of the Measure(s) as set forth in this Agreement until the responsibility is legally transferred to another entity.

SECTION 3: MAINTENANCE OF STORMWATER TREATMENT MEASURE(S)

OMCA shall not destroy, neglect, or remove the Measure(s) from the Property nor modify the stormwater treatment system in a manner that lessens its effectiveness, and shall, at its sole cost and expense, adequately inspect and maintain the Measure(s) in good working order acceptable to the City and in accordance with the maintenance plan agreed hereto and attached as Exhibit B. This includes all pipes, channels, or other conveyances built to convey stormwater to the Measure(s), as well as all structures, improvements, and vegetation provided to control the quantity and quality of the stormwater. Adequate maintenance is herein defined as maintaining the described facilities in good working condition so that these facilities continue to operate as originally designed and approved. The Maintenance Plan shall include a detailed description of and schedule for long-term maintenance activities. OMCA shall cause the Measure(s) to be inspected, at a minimum, on an annual basis prior to the wet-weather season. This inspection shall occur between August 1st and October 15th each year. Said inspection shall be conducted by a licensed professional with experience in stormwater management unless an unlicensed person is expressly authorized by the City in writing to conduct said inspection. More frequent inspections may be required by the Maintenance Plan.

SECTION 4: SEDIMENT MANAGEMENT

Sediment accumulation resulting from the normal operation of the Measure(s) will be managed appropriately by OMCA. OMCA will provide for the removal and proper disposal of accumulated sediments. Disposal of accumulated sediments shall not occur on the Property, unless provided for in the Maintenance Plan. Any disposal or removal of accumulated sediments or debris shall be in compliance with all federal, state, and local law and regulations.

SECTION 5: ANNUAL REPORT

OMCA shall, on an annual basis and no later than October 15th of each year, complete and submit an annual report to the City along with payment of the required fee to the City in accordance with the City of Oakland Master Fee Schedule. The Annual Report shall list the dates of inspections of the Measure(s) and the dates of maintenance activities performed on the Measure(s) during the previous 12 months. The Annual Report shall include the results of said inspections, the specific maintenance activities performed, any problems identified, and any corrective action taken. The Annual Report shall be submitted no later than October 15th of each year, to the Building Services Division of the Community and Economic Development Agency or as otherwise directed by the City. OMCA shall provide in the Annual Report a record of the volume of all accumulated sediment removed.

SECTION 6: NECESSARY CHANGES AND MODIFICATIONS

At its sole cost and expense, OMCA shall make changes or modifications to the Measure(s) and/or the Maintenance Plan as may be determined reasonably necessary by the City to ensure that the Measure(s) are properly maintained and continue to operate adequately. OMCA shall not make any changes or modifications to the Measure(s) and/or the Maintenance Plan without the express written approval of the City.

SECTION 7: ACCESS TO THE PROPERTY

OMCA hereby grants permission to the City, the San Francisco Bay Regional Water Quality Control Board, the Alameda County Mosquito Abatement District, and/or their authorized agents, employees, and/or contractors to enter upon the Property at reasonable times and in a reasonable manner, and with written notice of not less than ten (10) calendar days (except in case of emergency which requires immediate remedial action) to inspect, the Measure(s) in order to ensure that the Measure(s) are being properly maintained and are continuing to perform in an adequate manner to protect water quality and the public health and safety. This includes the right to enter upon the Property when it has a reasonable basis to believe that a violation of this Agreement, the conditions of approval for the Project, the City of Oakland Municipal Code, City guidelines, criteria, or other written direction, or the NPDES Permit, is occurring, has occurred, or may occur. The above listed agencies also have a right to enter the Property when necessary for abatement of a public nuisance or correction of a violation of the above listed regulations. OMCA agrees to submit payment to the City of the required inspection fee in accordance with the City of Oakland Master Fee Schedule within thirty (30) calendar days of all inspections performed under this Agreement, or otherwise authorized by law, by the City and/or its authorized agents, employees, or contractors. OMCA may also be required to cover the full costs of independent third party review of the installation/construction, operation, maintenance, and/or repair of the Stormwater Treatment Measure(s) if such independent third party review is determined by the City, in its sole and absolute discretion, to be necessary.

SECTION 8: FAILURE TO MAINTAIN STORMWATER TREATMENT MEASURE(S)

In the event OMCA fails to install/construct, operate, maintain, and/or repair the Measure(s) in good working order acceptable to the City and in accordance with the Maintenance Plan, the City, and/or its authorized agents, employees, or contractors shall provide written notice of a violation to OMCA. If such a violation is not corrected to the reasonable satisfaction of the City within thirty (30) calendar days thereafter, or if not corrected within such a reasonable time as may be required to cure the violation if said violation cannot be cured within thirty (30) calendar days provided that acts to cure the violation commence within thirty (30) calendar days and must thereafter be diligently pursued to completion by OMCA, the City may, without further notice, (a) enter the Property and take whatever steps it deems necessary and appropriate to return the Measure(s) to good working order or (b) declare a default under the terms of this Agreement and may bring any action necessary to specifically enforce the obligations of OMCA growing out of the terms of this Agreement, or apply for such other relief as may be appropriate. Notwithstanding the above, if an emergency situation exists, the City may take whatever actions are reasonably necessary in the circumstances to abate the imminent threat.

This provision shall not be construed to allow the City to erect any structure of a permanent nature on the Property. It is expressly understood and agreed that the City is under no obligation to install/construct, operate, maintain, and/or repair the Stormwater Treatment Measure(s) and in no event shall this Agreement be construed to impose any such obligation on the City.

In the event the City, and/or its authorized agents, employees, or contractors, pursuant to this Agreement, elects to perform work of any nature, both direct or indirect, including any inspections or any

actions it deems necessary or appropriate to return the Measure(s) to good working order as indicated in this section, or expends any funds in the performance of said work for labor, use of equipment, supplies, materials, and the like, OMCA shall reimburse the City, and/or its authorized agents, employees, or contractors, or shall forfeit any required bond, upon demand within thirty (30) calendar days of receipt thereof for the costs incurred by the City, and/or its authorized agents, employees, or contractors, hereunder. If these costs are not paid within the prescribed time period, the City may recover the cost of the work, both direct and indirect, and applicable penalties by all available means including, but not limited to, a Special Assessment and Lien against the Property, and collected as set forth in Oakland Municipal Code Section 15.08.130.

The actions described in this section are in addition to and not in lieu of any and all legal remedies as provided by law available to the City as a result of OMCA's failure to install/construct, operate, maintain, and/or repair the Measure(s).

SECTION 9: INDEMNIFICATION

OMCA shall indemnify, hold harmless, and defend (with counsel reasonably acceptable to the City) the City, City Council, City Planning Commission, Oakland Redevelopment Agency (or successor agency), and its authorized agents, officers, officials, employees, contractors, representatives, volunteers, and other third-party vendors (hereinafter collectively referred to as "CITY") from and against any and all actions, causes of actions, claims, demands, suits, damages, liabilities, losses, accidents, casualties, occurrences, claims, and payments (including without limitation reasonable fees for attorneys, consultants, experts, and related costs, City Attorney or staff time, expenses or costs, and CITY's cost of investigating) (hereinafter collectively referred to as "Lawsuit"), arising from, related to, or connected with the construction, presence, existence, operation, maintenance, repair, replacement, or lack thereof of the Measure(s) by OMCA or the City. In the event of a Lawsuit against CITY, CITY shall notify OMCA. CITY may elect to participate in the Lawsuit at its sole discretion and OMCA shall reimburse CITY for its reasonable legal costs and attorneys' fees.

OMCA acknowledges that it has an immediate and independent obligation to defend CITY from any and all Lawsuits which potentially falls within this section, which obligation shall arise at the time such Lawsuit is tendered to OMCA by CITY and continues at all times thereafter. All of OMCA's obligations under this section are intended to apply to the fullest extent of the law but shall not apply to any Lawsuits which arise due solely to the gross negligence or willful misconduct of CITY.

Within ten (10) calendar days of the filing of any Lawsuit, OMCA shall execute a Letter of Agreement with the City, acceptable to the Office of the City Attorney, which memorializes the above obligations. These obligations and the Letter of Agreement shall survive termination, extinguishment, expiration or invalidation of this Agreement. Failure to timely execute the Letter of Agreement does not relieve OMCA of any of the obligations contained in this Section or any other requirements or conditions that may be imposed by the City.

SECTION 10: NO ADDITIONAL LIABILITY/NO THIRD PARTY BENEFICIARY

It is the intent of this Agreement to insure the proper installation/construction, operation, and maintenance of the Measure(s) by OMCA; provided, however, that this Agreement shall not be deemed to create or effect any additional liability not otherwise provided by law of any party for damage alleged to result from or caused by stormwater runoff. This Agreement is not intended to, and does not, create any private rights of action to third parties; no third parties are the intended beneficiaries of this Agreement.

SECTION 11: PERFORMANCE FINANCIAL ASSURANCE

The City may request OMCA to provide a performance bond, cash deposit, security, or other appropriate financial assurance, acceptable in amount and form to the City, providing for the installation/construction, operation, and/or maintenance of the Measure(s) pursuant to the Maintenance Agreement and the City's ordinances, guidelines, criteria, or written direction.

SECTION 12: SEVERABILITY

If any phrase, clause, section, subsection, paragraph, subdivision, sentence, term, or provision of this Agreement, or the application of any term or provision of this Agreement to a particular situation, shall be finally found to be void, invalid, illegal, or unenforceable by a court of competent jurisdiction, then notwithstanding such determination, such term or provision shall remain in force and effect to the extent allowed by such ruling and all other terms and provisions of this Agreement or the application of this Agreement to other situation shall remain in full force and effect.

Notwithstanding the foregoing, if any material term or provision of this Agreement or the application of such material term or condition to a particular situation is finally found to be void, invalid, illegal, or unenforceable by a court of competent jurisdiction, then the Parties hereto agree to work in good faith and fully cooperate with each other to amend this Agreement to carry out its intent.

SECTION 13: RECORDATION

This Agreement shall be recorded by OMCA, or by the City by mutual agreement after the execution date of this Agreement as stated above among the deed records of the County Recorder's Office of the County of Alameda, California, at OMCA's expense. A copy of the recorded Agreement shall immediately be provided to the City.

SECTION 14: RELEASE OF AGREEMENT

In the event that the City determines that the Measure(s) located on the Property are no longer required, then the City, at the request of OMCA, shall execute a release of this Agreement, which OMCA, or the City by mutual agreement, shall record in the County Recorder's Office at OMCA's expense. The Measure(s) shall not be removed from the Property unless such a release is so executed and recorded.

SECTION 15: EFFECTIVE DATE AND MODIFICATION

This Agreement is effective upon the date of execution as stated at the beginning of this Agreement. This Agreement shall not be modified except by written instrument executed by the City and OMCA at the time of modification. Such modifications shall be effective upon the date of execution and shall be recorded.

SECTION 16: MISCELLANEOUS PROVISIONS

- A. **Governing Law.** The interpretation, validity, and enforcement of this Agreement shall be governed by and interpreted in accordance with the laws of the State of California. Any action, cause of action, lawsuit, claim, or legal proceeding of any kind related to or arising under this Agreement shall be filed and heard in a court of competent jurisdiction in the County of Alameda.
- B. **No Limitations on City's Police (or Authorized) Powers.** Nothing herein is intended to, nor does, limit the City's police power, nor limit the ability of the City, the San Francisco Bay Regional Water Quality Control Board, the Alameda County Mosquito Abatement District, and/or their authorized agents,

employees, contractors, officers, officials, representatives, volunteers, and/or other third-party vendors from taking any and all actions authorized under federal, state, or local law.

- C. **No Waiver.** No failure by the City to insist on the strict performance of any obligation of Property OMCA under this Agreement or to exercise any right, power, or remedy arising out of a breach hereof, shall constitute a waiver of such breach or of the City's right to demand strict compliance with any terms of this Agreement. No acts or admissions by the City, or any agent(s) of the City, shall waive any or all of the City's rights under this agreement.
- D. **Complete Agreement.** This Agreement represents the complete understandings and agreement of the parties and no prior oral or written understandings are in force and effect.
- E. **Headings.** The headings in this Agreement are for reference and convenience of the parties and do not represent substantive provisions of this Agreement.
- F. **Notices.** If either party shall desire or be required to give notice to the other, such notice shall be given in writing, via facsimile or email, and concurrently by prepaid U.S. certified or registered postage, addressed to recipient as follows:

City of Oakland

City of Oakland
CEDA
Building Services Division
250 Frank H. Ogawa Plaza, Suite 2340
Oakland, CA 94612
Attention: City Engineer/Stormwater Reporting

Property OMCA

Oakland Museum of California
1000 Oak Street
Oakland, CA 94607
Attn: Director & CEO

Any party to this Agreement may change the name or address of representatives for purpose of this Notice paragraph by providing written notice to all other parties ten (10) business days before the change is effective.

CITY OF OAKLAND,
a California Municipal Corporation

Alain Placido

4/16/24

Signature for the City of Oakland

Date

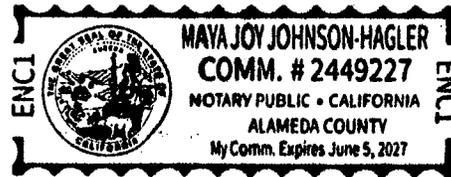
Alain Placido Acting Building Official
Type or print name and title

OAKLAND MUSEUM OF CALIFORNIA
a California nonprofit public benefit corporation

Lori M. Fogarty
Signature for Oakland Museum of California

3/27/24
Date

By: Lori G. Fogarty
Its: Director & CEO



CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

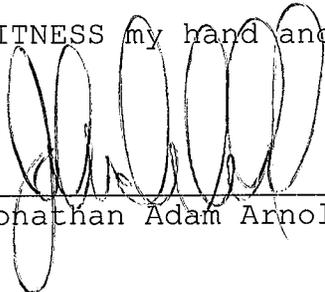
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA }
COUNTY OF ALAMEDA } ss.

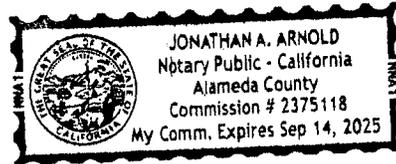
On 17 April 2024, before me, Jonathan A Arnold, Notary Public, personally appeared Alain Placido, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity and that by his/her/their signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Jonathan Adam Arnold



Commission # 2375118
Notary Public – California
Alameda County
My Comm. Expires: 09/14/2025

CALIFORNIA ALL-PURPOSE CERTIFICATE OF
ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California }

County of ALAMEDA }

On MARCH 27, 2024 before me, MAYA JOY JOHNSON-HAGLER, NOTARY PUBLIC
(insert name and title of the officer)

personally appeared LORI G. FOGARTY
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Maya Joy Johnson-Hagler
Notary Public Signature



(Seal)

OPTIONAL INFORMATION

DOCUMENT

STORMWATER TREATMENT MAINTENANCE
(name or type of document)

1
(number of pages)

MARCH 27, 2024
(document date)

SIGNER CAPACITY
DIRECTOR & CEO

Lori M Fogarty
(capacity claimed by the signer)

NOTICE

THE NOTARY PUBLIC DOES NOT
CERTIFY THE AUTHORIZED
CAPACITY OF THE SIGNER

Exhibit A

Property Legal Description

The land referred to is situated in the County of Alameda, City of Oakland, State of California, and is described as follows:

Parcel 1, as shown on the parcel map 9956, filed January 24, 2012 in Book 318 of Parcel Maps, page 91 through 93, inclusive, Alameda County Records.

EXCEPTING THEREFROM:

That portion of the strip of land 40.00 feet wide, measured at right angles and radially, lying below elevation 21.00 feet per City of Oakland datum (based of City B.M. No. CS90, 21.047 feet) the centerline of which is described as follows:

Beginning at a point on the Northwesterly line of the above described parcel South 26° 14' 24" West, 194.14 feet from the most Northerly corner of said parcel, and being a point on a non-tangent curve with a radial bearing of South 05° 48' 52" East; thence Easterly on the arc of said curve to the left with a radius of 368.00 feet, through a central angle of 12° 25' 30", a distance of 79.80 feet; thence North 71° 45' 38" East, 60.00 feet; thence Easterly on the arc of a curve to the right with a radius of 368.00 feet, through a central angle of 14° 01' 03", a distance of 90.03 feet to a point with a radial bearing of North 04° 13' 19" West, on the Northeasterly line of said parcel, which point is South 63° 45' 25" East, 36.87 feet from the Westerly terminus of that course in said parcel cited as North 63° 45' 25" West, 80.30 feet. The side lines of said strip of land to be shortened or lengthened to terminate at the Northwesterly and Northeasterly lines of the above described Parcel.

APN: 018-0450-004

Exhibit B

Landscaped Areas and Maintenance Plan

Exhibit B

Maintenance of Stormwater Treatment Measures

- **Media Filter Maintenance Plan**
- **Exhibit B-Site Plan**
- **Filtterra Bioscape Owner's Manual**

**Media Filter Maintenance Plan for
OAKLAND MUSEUM OF CALIFORNIA**

11/07/2023

Project Address and Cross Streets Oak Street and 10th Street, Oakland, CA 94607

Assessor's Parcel No.: 18-450-4

Property Owner: OAKLAND MUSEUM OF CALIFORNIA Phone No.: _____

Designated Contact: Kimberly O. Carim Phone No.: 510.318.8551

Mailing Address: 1000 Oak Street, Oakland, CA 94607

The property contains 1 media filter(s), located as described below and as shown in the attached site plan³⁹.

- **Media Filter No. 1** is located at the 11th Street intersection on the northeastern side of the property.

I. Routine Maintenance Activities

The principal maintenance objective is to prevent sediment buildup and clogging, which reduces pollutant removal efficiency and may lead to Media Filter failure. Routine maintenance activities, and the frequency at which they will be conducted, are shown in Table 1.

Table 1 Routine Maintenance Activities for Media Filters		
No.	Maintenance Task	Frequency of Task
1	Inspect for standing water, sediment, trash and debris.	Monthly during rainy season
2	Remove sediment, trash and debris from sedimentation basin, riser pipe and filter bed. Dispose of sediment, trash and debris properly.	As needed
3	Ensure that media filter drains completely within 72 hours.	After major storm events and as needed.
4	For media filters with a filter bed, inspect media depth to ensure proper drainage.	Monthly during rainy season, or as needed after storm events
5	For manufactured media filter, follow manufacturer's guidelines for maintenance and cartridge replacement.	As per manufacturer's specifications.
6	Inspect Media Filter using the attached inspection checklist.	Monthly, or after large storm events, and after removal of accumulated debris or material

II. Prohibitions

Trees and other large vegetation shall be prevented from growing adjacent to the media filter to prevent damage.

Standing water shall not remain in the treatment measures for more than 72 hours, to prevent mosquito generation. Should any mosquito issues arise, contact the Alameda County Mosquito Abatement District (ACMAD), as needed for assistance. In Albany, contact the Alameda County

³⁹ Attached site plan must match the site plan exhibit to Maintenance Agreement.

Media Filter Maintenance Plan Date of Inspection: _____

Property Address: ^{1000 Oak Street,} Oakland, CA 94607 Treatment Measure No.: _____

Vector Control Services District (ACVCSD). Mosquito larvicides shall be applied only when absolutely necessary, as indicated by the ACMAD or ACVCSD, and then only by a licensed professional or contractor. Contact information for ACMAD and ACVCSD is provided below.

III. Vector Control Contacts

Alameda County Mosquito Abatement District
23187 Connecticut St.
Hayward, CA 94545
Phone: (510) 783-7747

Alameda County Vector Control Services District
1131 Harbor Bay Parkway, Ste. 166
Alameda, CA 94502
Phone: (510) 567-6800

III. Inspections

The attached Media Filter Inspection and Maintenance Checklist shall be used to conduct inspections monthly (or as needed), identify needed maintenance, and record maintenance that is conducted.

Media Filter Inspection and Maintenance Checklist

Property Address: 1000 Oak Street, Oakland, CA 94607

Property Owner: _____ Treatment Measure No.: _____

Date of Inspection: _____ Inspector: _____

Type of Inspection: Monthly Pre-Wet Season
 After heavy runoff End of Wet Season
 Other: _____

Defect	Conditions When Maintenance Is Needed	Maintenance Needed? (Y/N)	Comments (Describe maintenance completed and if needed maintenance was not conducted, note when it will be done)	Results Expected When Maintenance Is Performed
1. Sediment, trash and debris accumulation	Sediment, trash and debris accumulated in the sedimentation basin, riser pipe and filter bed. Filter does not drain as specified.			Sediment, trash and debris removed from sedimentation basin, riser pipe and filter bed and disposed of properly. Filter drains per design specifications.
2. Standing water	Media filter does not drain within 72 hours after rainfall.			Clogs removed from sedimentation basin, riser pipe and filter bed. Filter drains per design specifications.
3. Mosquitoes	Evidence of mosquito larvae in media filter.			Clogs removed from sedimentation basin, riser pipe and filter bed. Filter drains per design specifications.
4. Filter bed	Overall media depth 300 millimeters (12 inches) or less.			Media depth restored to 450 millimeters (18 inches).
5. Miscellaneous	Any condition not covered above that needs attention in order for the media filter to function as designed.			Meet the design specifications.

Filtrerra Bioscape Owner's Manual

(No Precast Vault Provided)



This Owner's Manual applies to Filterra Bioscape ONLY (Filtrerra installed directly into an excavated basin or other customer provided container, such as a large cast-in-place vault).

Why Maintain?

All stormwater treatment systems require maintenance for effective operation. This necessity is often incorporated in your property's permitting process as a legally binding BMP maintenance agreement. Other reasons to maintain are:

- Avoiding legal challenges from your jurisdiction's maintenance enforcement program.
- Prolonging the expected lifespan of your Filterra® media.
- Avoiding more costly media replacement.
- Helping reduce pollutant loads leaving your property.

Simple maintenance of the Filterra® Bioscape® is required to continue effective pollutant removal from stormwater runoff before discharge into downstream waters. This procedure will also extend the longevity of the living biofilter system. The unit will recycle and accumulate pollutants within the biomass, but is also subjected to other materials entering the inlet. This may include trash, silt and leaves etc. which will be contained above the mulch layer. Too much silt may inhibit the Filterra's flow rate, which is the reason for site stabilization before activation. Regular replacement of the mulch stops accumulation of such sediment.

When to Maintain?

Maintenance visits are typically scheduled seasonally; the spring visit aims to clean up after winter loads including salts and sands while the fall visit helps the system by removing excessive leaf litter.

It has been found that in regions which receive between 30-50 inches of annual rainfall, (2) two visits are generally recommended; In regions with less rainfall often only (1) one visit per annum is sufficient. Varying land uses can affect maintenance frequency; e.g. some fast food restaurants require more frequent trash removal. Contributing drainage areas which are subject to new development wherein the recommended erosion and sediment control measures have not been implemented may require additional maintenance visits.

Some sites may be subjected to extreme sediment or trash loads, requiring more frequent maintenance visits. This is the reason for detailed notes of maintenance actions per unit, helping the Manufacturer and Owner predict future maintenance frequencies, reflecting individual site conditions.

Owners must promptly notify the maintenance provider of any damage to the plant(s), which constitute(s) an integral part of the bioretention technology.

Exclusion of Services

Clean up due to major contamination such as oils, chemicals, toxic spills, etc. will result in additional costs and are not included as part of the Final Site Assessment (if applicable). Should a major contamination event occur the Owner must block off the outlet pipe of the Filterra® (where the cleaned runoff drains to, such as drop inlet) and block off the throat of the Filterra®. The Supplier should be informed immediately.

Maintenance Visit Summary

Maintenance visits are typically scheduled seasonally; the spring visit aims to clean up after winter loads including salts and sands while the fall visit helps the system by removing excessive leaf litter.

1. Inspection of Filterra® Bioscape® and surrounding area
2. Removal of erosion control stones
3. Removal of debris, trash and mulch
4. Removal and disposal of erosion control sock from system perimeter (should be completed at 6 month or 12 month maintenance depending upon site characteristics). A new erosion control sock is no longer needed after the first year.
5. Mulch replacement
6. Plant health evaluation and pruning or replacement as necessary
7. Clean area around Filterra®
8. Complete paperwork

Plant Care for Filterra® Systems

After Activation, the Contractor is responsible for proper care of the vegetation until the site is handed over to the Owner. After that, it is the Site Owner's responsibility to care for the vegetation. Contech recommends the following care for the plants:

1. To prevent transplant shock (especially if planting takes place in the hot season), it may be necessary to prune some of the foliage to compensate for reduced root uptake capacity. This is accomplished by pruning away some of the smaller secondary branches or a main scaffold branch if there are too many. Too much foliage relative to the root ball can dehydrate and damage the plant.
2. Plant staking may be required.
3. With all trees/shrubs, remove dead, diseased, crossed/rubbing, sharply crotched branches or branches growing excessively long or in wrong direction compared to majority of branches.
4. Contech recommends irrigation of the Filterra® Vegetation. The following guidance will help to ensure the vegetation is properly irrigated.

Irrigation Recommendations:

- Each Filterra® system must receive adequate irrigation to ensure survival of the living system during periods of drier weather.
- Irrigation sources include rainfall runoff from downspouts and/or gutter flow, applied water through the tree grate or in some cases from an irrigation system with emitters installed during construction.
- At Activation: Apply about one (cool climates) to two (warm climates) gallons of water per inch of trunk diameter over the root ball.
- During Establishment: In common with all plants, each Filterra® plant will require more frequent watering during the establishment period. One inch of applied water per week for the first three months is recommended for cooler climates (2 to 3 inches for warmer climates). If the system is receiving rainfall runoff from the drainage area, then irrigation may not be needed. Inspection of the soil moisture content can be evaluated by gently brushing aside the mulch layer and feeling the soil. Be sure to replace the mulch when the assessment is complete. Irrigate as needed**.
- Established Plants: Established plants have fully developed root systems and can access the entire water column in the media. Therefore irrigation is less frequent but requires more applied water when performed. For a mature system assume 3.5 inches of available water within the media matrix. Irrigation demand can be estimated as 1" of irrigation demand per week. Therefore if dry periods exceed 3 weeks, irrigation may be required.

** Five gallons per square yard approximates 1 inch of water. Therefore for a 6' x 6 foot Filterra® approximately 20-60 gallons of applied water is needed. To ensure even distribution of water it needs to be evenly sprinkled over the entire surface of the filter bed, with special attention to make sure the root ball is completely wetted. NOTE: if needed, measure the time it takes to fill a five gallon bucket to estimate the applied water flow rate. Then calculate the time needed to irrigate the Filterra®, For example if the flow rate of the sprinkler is 5 gallons/minute then it would take 12 minutes to irrigate a 6'x6' filter.

Plant Replacement:

In some cases, plants will require replacement. Please follow the procedures below to ensure a properly functioning Filterra® system.

1. Remove the existing plant, and leave as much of the Filterra® media in place as possible.
2. Select a replacement per the Filterra® Bioscape® Activation Package.
3. Prior to removing the plant from the container, ensure the soil moisture is sufficient to maintain the integrity of the root ball. If needed, pre-wet the container plant.
4. Cut away any roots which are growing out of the container drain holes.
5. Plant(s) should be carefully removed from the pot by gently pounding on the sides of the container with the fist to loosen root ball. Then carefully slide out. Do not lift plant(s) by trunk as this can break roots and cause soil to fall off. Extract the root ball in a horizontal position and support it to prevent it from breaking apart. Alternatively, the pot can be cut away to minimize root ball disturbance.
6. Excavate a hole with a diameter 4" greater than the root ball, gently place the plant(s).
7. Plant the tree/shrub/grass with the top of the root ball 1" above surrounding media to allow for settling.
8. All plants should have the main stem centered in the tree grate (where applicable) upon completion of installation.
9. Reinstall or add mulch to a depth of 3" per Contech's mulch specifications for Filterra® systems.

Maintenance Visit Procedure

Keep sufficient documentation of maintenance actions to predict location specific maintenance frequencies and needs. An example Maintenance Report is included in this manual.

1. Inspection of Filterra and surrounding area

- Record individual unit before maintenance with photograph (numbered). Record on Maintenance Report (see example in this document) the following:

Record on Maintenance Report the following:

Standing Water	yes no
Is Bypass Clear	yes no

If yes answered to any of these observations, record with close-up photograph (numbered).

2. Removal of erosion control stones

- Set aside erosion control stones for reuse after mulch has been replaced.
- Dig out silt (if any) and mulch and remove trash & foreign items.

Record on Maintenance Report the following:

Is scour present around the inlet areas?	yes no
--	----------

If answering yes, consider adding additional erosion control stone.

3. Removal of debris, trash and mulch

- After removal of mulch and debris, measure distance from the top of the Filterra engineered media soil to the top of the top slab. Compare the measured distance to the distance shown on the approved Contract Drawings for the system. Add Filterra media (not top soil or other) to bring media up as needed to distance indicated on drawings.

Record on Maintenance Report the following:

Silt/Clay	yes no
Bypass Clear	yes no
Leaves	yes no
# of Buckets Removed	_____

4. Removal and Disposal of Erosion Control Sock

- Remove and dispose of erosion control sock if site conditions allow (site should be fully stabilized). Erosion control sock is no longer needed after 1-year post activation.

5. Mulch Replacement

- Add mulch evenly across entire system to a depth of three inches.

6. Vegetation health evaluation and pruning

- Examine the vegetation health and replace if necessary. Prune vegetation to encourage growth in the correct directions. Since Filterra® Bioscape® systems can contain many plants, only notation of individual damaged or unhealthy plants is necessary.
 - » Record on Maintenance Report the following:
 - » Vegetation Health
 - » Vegetation Damage

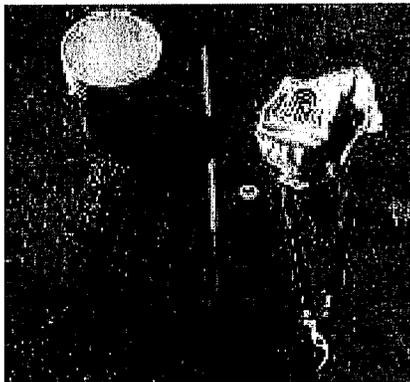
Document damaged or unhealthy plants with photographs.

7. Clean side slopes and area around the Filterra Bioscape system

- Remove all trash and debris to be disposed of appropriately.

8. Complete paperwork

- Complete Maintenance Report. Some jurisdictions require submission of maintenance reports in accordance with approvals. It is the responsibility of the owner to comply with local regulations.



Maintenance Tools, Safety Equipment and Supplies

Ideal tools include: camera, bucket, shovel, broom, pruners, hoe/rake, and tape measure. Appropriate Personal Protective Equipment (PPE) should be used in accordance with local or company procedures. This may include impervious gloves where the type of trash is unknown, high visibility clothing, barricades when working in close proximity to traffic and safety hats, glasses, and shoes.

Most visits require minor trash removal and a full replacement of mulch. Mulch should be a double shredded, hardwood variety.

ORIGINAL COPY
WITH
CITY OF OAKLAND

Maintenance Checklist

Drainage System Failure	Problem	Conditions to Check	Condition that Should Exist	Actions
Inlet	Excessive sediment or trash accumulation.	Accumulated sediments or trash impair free flow of water into Filterra.	Inlet should be free of obstructions allowing free distributed flow of water into Filterra.	Sediments and/or trash should be removed.
Mulch Cover	Trash and floatable debris accumulation.	Excessive trash and/or debris accumulation.	Minimal trash or other debris on mulch cover.	Trash and debris should be removed and mulch cover raked level. Ensure bark nugget mulch is not used.
Mulch Cover	"Ponding" of water on mulch cover.	"Ponding" in unit could be indicative of clogging due to excessive fine sediment accumulation or spill of petroleum oils.	Stormwater should drain freely and evenly through mulch cover.	Recommend contact manufacturer and replace mulch as a minimum.
Vegetation	Plants not growing or in poor condition.	Soil/mulch too wet, evidence of spill. Incorrect plant selection. Pest infestation. Vandalism to plants.	Plants should be healthy and pest free.	Contact manufacturer for advice.
Vegetation	Plant growth excessive.	Plants should be appropriate to the species and location of Filterra.		Trim/prune plants in accordance with typical landscaping and safety needs.

Maintenance is ideally to be performed twice annually.

Filterra Inspection & Maintenance Log

Filterra System Size/Model: _____ Location: _____

Date	Mulch & Debris Removed	Depth of Mulch Added	Mulch Brand	Vegetation Species	Issues with System	Comments
1/1/17	5 - 5 gal Buckets	3"	Lowe's Premium Brown Mulch	Galaxy Magnolia	- Standing water in downstream structure	- Removed blockage in downstream structure

ATTACHMENT C.3.2

City of Oakland

Green Stormwater Infrastructure (GSI)

Plan Addendum 2024



City of
Oakland

Geosyntec 
consultants
engineers | scientists | innovators

City of Oakland Green Stormwater Infrastructure (GSI) Plan

Addendum 2024

Prepared for

City of Oakland
Department of Public Works
250 Frank H. Ogawa Plaza

Oakland, CA 94612

Prepared by

Geosyntec Consultants, Inc.
1111 Broadway, 6th Floor
Oakland, California 94607

Project Number: CWR0706

Final version incorporates edits by City of Oakland staff

September 2024

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Table 2: GSI and Hydraulic Sizing Guidance by Project Type

FIGURES

Figure 1: CIP Development Process

Figure 2: Citywide Prioritization Factors and Weighting System

ACRONYMS AND ABBREVIATIONS

Acronym	Definition
ACCWP	Alameda County Clean Water Program
BASMAA	Bay Area Stormwater Management Agencies Association
C.3	Provision C.3 New Development and Redevelopment of MRP 3
CIP	Capital Improvement Program
City	City of Oakland
FY	Fiscal Year
GIS	Geographic Information System
GSI	Green Stormwater Infrastructure
HM	Hydromodification Management
MRP	Municipal Regional Stormwater NPDES Permit
NPDES	National Pollutant Discharge Elimination System
OakDOT	City of Oakland Department of Transportation
OUSD	Oakland Unified School District
O&M	Operations and Maintenance
PCB	Polychlorinated Biphenyl
RAA	Reasonable Assurance Analysis
ROW	Rights-of-Way
SWRP	Stormwater Resource Plan
TMDL	Total Maximum Daily Load
Water Board	California Regional Water Quality Control Board San Francisco Bay Region

1. INTRODUCTION AND PURPOSE

The City of Oakland (City) developed the Green Stormwater Infrastructure (GSI) Plan dated September 30, 2019, (2019 GSI Plan) to comply with the California Regional Water Quality Control Board San Francisco Bay Region (Water Board) Municipal Regional Stormwater NPDES Permit (MRP) Order No. R2-2015-0049 (NPDES Permit No. CAS612008), adopted on November 15, 2015 (MRP 2.0). The 2019 GSI Plan describes how the City will meet targets for shifting impervious surfaces and traditional storm drain infrastructure to GSI systems. The plan also describes how GSI projects are identified, prioritized, implemented, tracked, and reported in Oakland. Specifically, the 2019 GSI Plan demonstrates how City of Oakland Capital Improvement Projects (CIPs) are prioritized using scoring factors that rank projects higher if they invest in underserved areas of Oakland. This promotes the equitable geographic distribution of CIPs, which are required to incorporate GSI where feasible.

GSI is infrastructure that uses vegetation, soils, and natural processes to manage rainwater and improve water quality and watershed health. It includes landscape-based stormwater treatment systems that use soil and plants, pervious paving systems, rainwater harvesting systems, and other methods to capture and clean stormwater before it reaches waterways. By reducing the volume and velocity of stormwater, GSI can reduce downstream creek erosion and can help alleviate nuisance flooding. Where GSI adds vegetation to the urban environment it help mitigate heat island effects during hot weather and provides aesthetic improvements. GSI's benefits carry downstream to help San Francisco Bay fisheries.

On May 11, 2022, the Water Board issued MRP Order No. R2-2022-0018 (NPDES Permit No. CAS612008) (MRP 3), which provided updated requirements for GSI planning and implementation in MRP 3 Provision C.3.j. This includes MRP 3 Provision C.3.j.ii.(1), which identifies the programmatic implementation requirements for Permittee GSI Plans.

This GSI Plan Addendum summarizes the updated requirements in the MRP 3 related to GSI and describes how the City complies with the programmatic implementation components. This GSI Plan Addendum is being submitted in accordance with the reporting requirement for the 2024 Annual Report (Provision C.3.j.v.(2)), which states that permittees must:

“In the 2024 and 2026 Annual Reports, report on updates, addenda, and changes to their programmatic implementation, including, but not limited to, the items listed in Provision C.3.j.ii.(1).”

2. MRP 3 PROVISION C.3.J REQUIREMENTS

The MRP 3 Provision C.3.j.ii.(1) includes the following programmatic implementation requirements for Permittees' GSI Plans:

“The Permittees shall, individually or in a coordinated manner, update and/or supplement their Green Infrastructure Plans as needed to ensure that municipal processes and ordinances allow and appropriately encourage the implementation of green infrastructure, and incorporate lessons learned, by:

- (a) *Revising implementation mechanisms to include consideration, or reconsideration, of cooperation with non-municipal entities such as schools on green infrastructure implementation, and otherwise updating implementation mechanisms as appropriate.*
- (b) *Following through with the development or updates of general plans, specific plans, urban forestry plans, climate change adaptation plans, complete streets plans and other planning documents with a green infrastructure nexus to include language which is more supportive of green infrastructure implementation, as identified by Permittees in their Green Infrastructure Plans. Upon request by Water Board staff, Permittees shall provide justifications for planning documents that they assert do not need to be updated to further support green infrastructure implementation.*
- (c) *Developing funding and funding mechanisms identified in the Green Infrastructure Plans, such as by working with the relevant agencies to expand the scope of transportation grants to include an allocation for green infrastructure; establishing green infrastructure-based or green infrastructure-incorporating stormwater fees, including work that sets the foundation for additional future stormwater fees; establishing or increasing application review fees, and evaluating other opportunities to leverage municipal approval of private development to fund green infrastructure implementation.*
- (d) *Reviewing countywide green infrastructure implementation guidance documents and adapting them as necessary to account for local considerations if this has not already been completed during the Previous Permit term, and otherwise reviewing and updating general guidelines and standard specifications as appropriate.*
- (e) *Continuing to implement the tools developed during the Previous Permit term to track and map completed public and private green infrastructure projects, and making the information publicly available.*
- (f) *Continuing to adopt or amend policies, ordinances, and/or other appropriate legal mechanisms to ensure implementation of the Green Infrastructure Plan in accordance with the requirements of this Provision, as necessary.*
- (g) *Continuing to conduct outreach and education as follows:*
 - (i) *Conduct public outreach on the requirements of this Provision, including outreach coordinated with the adoption or revision of standard specifications and planning documents, and with the initiation and planning of infrastructure projects. Such outreach shall include general outreach and targeted outreach to and training for professionals involved in infrastructure planning and design.*

- (ii) *Train appropriate staff, including planning, engineering, public works maintenance, finance, fire/life safety, and management staff on the requirements of this Provision and methods of implementation.*
- (iii) *Educate appropriate Permittee elected officials (e.g., mayors, city council members, county supervisors, district board members) on the requirements of this Provision and methods of implementation.”*

Additionally, MRP 3 Provision C.3.j.ii.(2) requires the City to retrofit 5.0 acres of impervious area within Oakland by June 30, 2027, as listed in MRP 3 Table H-1, Numeric Retrofit Requirements (MRP 3 Table H-1).

Table 1 below links each section of this addendum to the applicable MRP 3 provision.

Table 1: GSI Plan Addendum Sections and Applicable MRP 3 Provisions

Section of 2023 GSI Plan Addendum	Applicable MRP 3 Provision
3.1 Revising Implementation Mechanisms	C.3.j.ii.(1)(a)
3.2 Updates of City Plans	C.3.j.ii.(1)(b)
3.3 Developing Funding and Funding Mechanisms	C.3.j.ii.(1)(c)
3.4 Review of Countywide GSI Implementation	C.3.j.ii.(1)(d)
3.5 Track and Map Completed Public and Private GSI Projects	C.3.j.ii.(1)(e)
3.6 Policies, Ordinances, and/or Legal Mechanisms	C.3.j.ii.(1)(f)
3.7 Outreach and Education	C.3.j.ii.(1)(g)
3.8 Numeric Requirements	C.3.j.ii.(2)

3. CITY OF OAKLAND MRP 3 IMPLEMENTATION

3.1 Revising Implementation Mechanisms

The City's Capital Improvement Program (CIP) guides the City's long-term, strategic decisions regarding the construction, repair, and replacement of the City's assets, including libraries, public safety facilities, sewers, recreation centers, and parks. Transportation and street improvements are also part of the City's CIP. The City develops a new CIP Budget every two years for inclusion in the overall City Budget, and the assets identified for repair, replacement, or purchase in a budget cycle become CIP Projects. For more information on the City's current Capital Improvement Program visit <https://www.oaklandca.gov/topics/capital-improvement-program>.

In 2018, the Oakland City Council adopted a new, inclusive forum for Oakland community members to incorporate their feedback and introduce new project ideas to be considered for the CIP selection process. Along with it came a new CIP Prioritization Model that would weigh the urgency and projected impact of applicant projects to ensure the effective allocation of City dollars. The City's Department of Race and Equity partnered with other City departments to develop internal guidance to ensure the updated CIP incorporated equity in a meaningful manner aligned with City objectives, and included subsequent performance measures to assess equitable outcomes. A worksheet was prepared to guide and implement City programs and projects by explicitly naming equity outcomes, identifying and engaging those most impacted by disparities, and taking an analytical approach to designing and implementing community-informed equity solutions. The CIP prioritization process approved by the Oakland City Council scores projects on the factors in Figure 2 below (City of Oakland 2024).

Citywide Prioritization Factors and Weighting System



Figure 1: Citywide Prioritization Factors and Weighting System

The process uses nine factors to prioritize projects: 1) equity, 2) health and safety, 3) economy, 4) environment, 5) improvement, 6) existing conditions, 7) shovel-ready, 8) collaboration, and 9) required work. These prioritization factors are applied to implementation projects for funding determinations and will be applied to stand alone GSI implementation projects. Funded projects with GSI potential are required to incorporate GSI where feasible and the City’s Watershed and Stormwater Management Division reaches out to City project management staff routinely to ensure that GSI is being considered.

The City supports the Oakland Unified School District (OUSD) in removing impervious surfaces and implementing GSI and other stormwater treatment improvements in and around schools across the City. One way this is done is through the City of Oakland Department of Transportation (OakDOT) Neighborhood Traffic Safety / Safe Routes to School program, where OakDOT participates with Alameda County Transportation Commission and the OUSD in identifying school safety improvements around Oakland school sites. These improvements can include traffic calming structures, which can incorporate GSI.

In addition, the City’s Watershed and Stormwater Management Division encourages the implementation of green infrastructure, and incorporate lessons learned, by considering cooperation with non-municipal entities such as schools on green infrastructure implementation.

3.2 Updates of City Plans

The City is actively exploring updates of City plans such as general plans, specific plans, urban forestry plans, climate change adaptation plans, complete streets plans, and other planning documents with a GSI nexus to include language more supportive of GSI implementation.

Oakland's 2045 General Plan will be adopted in 2025, including Environmental Justice Elements, Zoning Code Amendments, Safety Elements, and Climate Change Vulnerability Elements, among other project documents. Once the 2045 General Plan is implemented, these elements will be key components in future planning of GSI implementation in the City.

In 2023, Geosyntec conducted a regional stormwater capture project opportunity screening for the City on the 232 regional facility opportunities identified within Oakland in the Alameda County Stormwater Resource Plan (SWRP) and 26 additional mini-parks. The screening identified potential stormwater capture locations that:

- Provide treatment for legacy pollution (PCBs/mercury);
- Could be implemented with other CIP projects;
- Are in Priority Neighborhoods¹;
- Provide flood control and other community multi-benefits; and
- Could treat Caltrans drainage.

The following steps were taken during the screening:

Geospatial Pre-Screening: removed opportunities that were not owned by the City, were further than 25 feet from a storm drain line, were within marshlands, had less than one acre of non-building area, and did not have contiguous open space. After this step, 43 project opportunities remained in Oakland.

Desktop Feasibility Analysis: ranked the 43 project opportunities based on their potential for multiple benefits. Benefits characterized included Caltrans drainage area within project tributary areas, old industrial and moderate PCBs loading area within project tributary area, priority neighborhood ranking, flood risk ratio, and number of planned/unfunded CIP projects nearby. The top 11 ranked sites were further analyzed in an engineering feasibility analysis.

Engineering Feasibility Analysis: characterized the feasibility of implementing GSI at the top 11 sites by determining their depth to groundwater, hydrological soil group, geotechnical hazard, landslide susceptibility classification, parking lot footprint, and contiguous open space footprint. The top 11 sites were further prioritized based on potential benefits and engineering constraints to identify the top eight sites.

The eight highest-ranked sites were selected for field reconnaissance to observe their general topography, typical site usages, tree locations, underground utilities, site hydrology, existing

¹ Priority Neighborhoods are ranked based the following factors: People of Color, Low-Income Households, People with Disability, Single Parent Families, Severely Rent-Burdened Households, and Low Educational Attainment.

drainage features, storm drain depth, and pipe size. Following the site visits, three sites were deemed infeasible.

Potential GSI configurations were developed, and flood mitigation modeling was conducted for the remaining five sites. The City discussed these configurations and benefits with Caltrans to explore potential options for partnership with them. Following these discussions, three sites were selected for concept design: Raimondi Park, Coliseum Gardens/66th Avenue and San Leandro (combined project over two sites), and Robert Mason Fields. The concept designs were completed in September 2023. Of these, the Raimondi Park project provides the best opportunity to treat a large watershed area using GSI.

In addition, a community project known as Green Stormwater Infrastructure By and 4 Communities, is underway.² This EPA-funded project is implemented by Hood Planning Group and San Francisco Estuary Institute and aims to build the capacity of residents in East Oakland to understand and influence local water quality. The City of Oakland submitted a letter of support during grant application phase for this project and has provided information to the project team and the community on how the City responds to flooding complaints and creek issues, on the City's Green Stormwater Infrastructure efforts, and on the City's plan to implement the Empire Road Storm Drain Improvement project in the Columbian Gardens neighborhood of East Oakland. The City's project will be partially funded by Measure U and will reduce flooding in portions of the neighborhood.

3.3 Developing Funding and Funding Mechanisms

Limited internal funding sources are available for capital improvements, including GSI projects, typically with restrictions on their use within broad categories. For this reason, outside grants are a significant funding source for capital projects and are typically needed to advance major capital investments. The City continues to seek grants for a wide variety of needs. While by their nature, these grants are only available for specific projects and purposes and are often cyclical and competitive; they represent a significant addition to local funds. Grants are the most viable source to fund new improvements and allow internal funds to be kept available for existing assets. Internal funds are also necessary for leverage and matching fund requirements of grants and for the significant annual operations and maintenance (O&M) costs.

The City receives funding from sources outside the biennially adopted CIP. These include grants received after CIP adoption and projects funded through previously approved sources and bonds, such as local Measure Q, Measure KK, and Measure U, Alameda County Transportation Commission, State of California (including Caltrans) Metropolitan Transportation Commission, Federal Highway Administration, etc. Outside grants fund many projects, including parks, libraries, recreational facilities, bicycle and pedestrian facility improvements, bridge reconstruction and retrofits, transportation and safety projects, and projects associated with transit-oriented developments.

² See the Hood Planning website for more information: <https://hoodplanning.com/east-oakland>.

The City adopted its FY 2021-2023 CIP Budget,³ which is available for public review on its [website](#). As per the adopted [FY 2023-2025 CIP Budget](#)⁴, the City has allocated funding toward Storm Drainage and Watershed projects, which include reconstructing failing storm drain facilities and implementing projects that protect and improve watersheds throughout the City, such as trash capture devices and Lake Merritt water quality management projects. This includes funding for emergency repair and replacement of storm drain facilities. In addition, approved transportation and other CIP projects use project funding to incorporate GSI where feasible.

In 2024, the City submitted a request to fully fund the proposed Raimondi Park Green Stormwater Infrastructure Project (Raimondi Park GSI Project) through the Monsanto Class Action Settlement's Part B Application⁵. As of September 2024 the City is waiting to hear back from the funder. The City will continue seeking funding for this project which is designed to help the City and other Alameda County Permittees reduce PCB loads to the Bay and implement the 2024 Old Industrial Area Control Measure Plan. The conceptual designs for the project include high-rate media or bio-filters along Wood Street that would clean runoff from a 129-acre West Oakland drainage area. The filters would remove PCBs in stormwater by treating 46 acres of old industrial land use area. The Raimondi Park GSI Project would also treat four acres of roadway using GSI bioretention facilities along the park perimeter adjacent to 20th Street, Campbell Street, and at the corner of Wood and 18th Streets, and would incorporate trash capture if feasible.

The City's Empire Road Storm Drain Improvement project was renamed "Columbian Gardens Flood Risk Mitigation" and included in the Oakland Alameda Flood Mitigation and Community Benefits Project, which may be funded through a Federal Emergency Management Administration (FEMA) Building Resilient Infrastructure and Communities (BRIC) 2023 Grant in 2025. The Oakland Alameda Flood Adaptation and Community Benefits Project would reduce existing and future flood risk (up to two feet of future sea level rise) within the Oakland International Airport (the Airport) Community Disaster Resilience Zone (CDRZ) and would address existing and future flood risks along San Leandro Creek within east Oakland underserved communities, and is a major project of the Oakland Alameda Adaptation Committee (OAAC).⁶ The Columbian Gardens Flood Risk Mitigation Project would include urban creek restoration/greening elements, if feasible. In addition, if the OAAC project is funded it will include a GSI project that may include bioretention and tree planting in the East Oakland Columbian Gardens neighborhood and would be informed by the Green Stormwater Infrastructure By and 4 Communities project and would be developed with input from the community.

³ City of Oakland, Adopted Capital Improvement Program (FY 2021-2023). [FY-21-23-Adopted-CIP-Book-9.29.21.pdf \(cao-94612.s3.amazonaws.com\)](#)

⁴ City of Oakland, Adopted Capital Improvement Program (FY 2023-2025). [FY23-25-Adopted-CIP_08.31.2023.pdf \(cao-94612.s3.amazonaws.com\)](#)

⁵ Application was submitted on April 28, 2024. See the Monsanto Class Action Settlement webpage for more information: <https://pcbclassaction.com/>.

⁶ See https://www.alamedaca.gov/files/content/public/v/65/departments/planning-building-and-transportation/sustainability-and-resilience/oakland-alameda-adaptation-committee/adaptationpresentation_march20_2024.pdf.

The City is updating its Storm Drainage Master Plan (SDMP). The SDMP will be completed in 2026 and includes an inventory and assessment of the City’s storm drainage system; studies to evaluate if drains and pipes are large enough to handle storm drainage flows; a prioritized list of projects that will repair and improve the City’s storm drainage system to rehabilitate deteriorated structures, reduce local flooding, and incorporate GSI where feasible; preliminary cost estimates of storm drainage system improvements; and suggestions for funding sources to implement the planned storm drainage improvements. The project list will be prioritized based on factors such as flooding severity and frequency, infrastructure condition, and racial and other equity indicators.

In March 2023, Geosyntec performed Operations and Maintenance (O&M) Assessments at 30 GSI facility sites in the City of Oakland.. Geosyntec also performed design assessments for five GSI facilities in the City. The analysis estimated personnel cost of GSI maintenance for the 30 sites is approximately \$139,700 annually. This cost estimate does not include other costs of employment and maintenance (e.g., benefits, materials, equipment, mileage, etc.). The City is using this report to improve public GSI O&M.

3.4 Review of Countywide GSI Implementation Guidance Documents

The City is developing and/or updating the following documents to increase the implementation of GSI:

1. This GSI Plan Addendum
2. An updated CIP Project MRP C.3 Sign Off and GSI Potential Evaluation Worksheet
3. A Drainage Area Delineation Guide
4. Instructions for City-hired GSI Project Design Consultants
5. Updated GSI Guide (draft, in progress)
6. Storm Drain Master Plan (draft, in progress)

Items 1-5 will be made available at [/www.oaklandca.gov/resources/green-infrastructure-resources](http://www.oaklandca.gov/resources/green-infrastructure-resources). Item 6 will be made available at <https://www.oaklandca.gov/topics/sdmp>.

The Alameda Countywide Clean Water Program (ACCWP) updated and/or is updating the following documents:

- Stormwater Resource Plan (dated January 2019);
- Regional Project Analysis (dated January 5, 2022); and
- C.3 Technical Guidance Manual (dated May 19, 2024).

As a compilation of available resources, Table 2 below provides information on GSI technical guidance options for various project types.

Table 2: GSI and Hydraulic Sizing Guidance by Project Type

Project Type	Required and/or Recommended Technical GSI Design Guidance Documents	Typical Details or Standard Specifications Documents
<p>Non-Regulated Street Project that qualifies as a constrained site.</p>	<p>Evaluate GSI potential and follow: Green Infrastructure chapter of the City’s Great Streets Design Guide, AND City of Oakland Green (Stormwater) Infrastructure Guide</p> <p>AND BASMAA Guidance for Sizing Green Infrastructure Facilities in Street Projects with companion analysis: Green Infrastructure Facility Sizing for Non-Regulated Street Projects</p>	<p><i>Green Infrastructure Example Details</i>, ACCWP. See 2019 GSI Plan Appendix D or: https://cleanwaterprogram.org/c3-popular-files/</p> <p>See typical details finalized in August 2024 provided as an appendix to the City’s City of Oakland Green (Stormwater) Infrastructure Guide</p>
<p>Regulated Roads Project – creates ≥ 10,000 square feet (SF) of contiguous impervious surface.</p>	<p>Required: Follow ACCWP C.3 Technical Guidance.</p> <p>See Green Infrastructure chapter of the City’s Great Streets Design Guide, AND City of Oakland Green (Stormwater) Infrastructure Guide</p>	<p>ACCWP C.3 Technical Guidance (https://cleanwaterprogram.org/wp-content/uploads/2024/05/C3TG-8.2-compiled-20240519.pdf)</p> <p><i>Green Infrastructure Example Details</i>, ACCWP. See 2019 GSI Plan Appendix D or: https://cleanwaterprogram.org/c3-popular-files/</p>
<p>Project creates or replaces < 2,500 SF of impervious surface</p>	<p>Public projects: Evaluate GSI potential and follow a most recent version of the City of Oakland Green (Stormwater) Infrastructure Guide</p>	<p>See typical details finalized in August 2024 provided as an appendix to the City of Oakland Green (Stormwater) Infrastructure Guide</p>
<p>Single-Family Home Project creates or replaces ≥ 2,500 SF of impervious surface.</p>	<p>Private projects: Implement one site design. Follow Site Design Measure Requirements for Small Projects from ACCWP C.3 Technical Guidance (ACCWP C.3 Appendix L).</p>	<p>See ACCWP’s Detain the Rain</p>

Project Type	Required and/or Recommended Technical GSI Design Guidance Documents	Typical Details or Standard Specifications Documents
Project creates or replaces between 2,500 and 10,000 SF of impervious surface and is not an auto service, maintenance, food facility, or an uncovered parking area (including rooftop areas).	<p>Public projects:</p> <ul style="list-style-type: none"> Evaluate GSI potential and follow a most recent version of the City of Oakland Green (Stormwater) Infrastructure Guide Required: Implement at least one site design measure from ACCWP C.3 Appendix L. <p>Private projects:</p> <ul style="list-style-type: none"> Required: Implement at least one site design measure from ACCWP C.3 Appendix L. 	<p>https://cleanwaterprogram.org/wp-content/uploads/2024/05/C3TG-8.2-compiled-20240519.pdf</p> <p>See typical details finalized in August 2024 provided as an appendix to the City of Oakland Green (Stormwater) Infrastructure Guide</p>
Regulated Project (Not Hydromodification Management)	Private and public projects: Must follow ACCWP C.3 Technical Guidance	ACCWP C.3 Technical Guidance (See Chapters 7 and 8)
Regulated Hydromodification Management (HM) Project	Private and public projects: ACCWP C.3 Technical Guidance , Chapter 9, Hydromodification Management Measures.	

3.5 Track and Map Completed Public and Private GSI Projects

The City continues to utilize the ArcGIS Online tracking tool, managed by ACCWP, to track planned and installed GSI in Oakland. This map is accessible to the public on the ACCWP website: <https://cleanwaterprogram.org/programs/green-infrastructure/>. Additionally, a desktop geographic information system (GIS) analysis was conducted to identify locations for potential GSI projects. The desktop GIS analysis consisted of a multi-criteria screening process. The screening process first identified publicly-owned parcels and rights-of-way (ROW) without physical feasibility constraints that could preclude project implementation. Then, potential projects on publicly-owned parcels and ROWs were categorized as parcel-based projects (i.e., treating only the drainage on the identified parcel); regional projects (i.e., treating a larger area draining to the parcel); and ROW/green street projects (i.e., treating the road and portions of adjacent parcels). Additional details of the project opportunity analysis are further described in the ACCWP SWRP dated January 2019.

3.6 Policies, Ordinances, and/or Legal Mechanisms

At this time, the City has not adopted or amended policies, ordinances, and/or other appropriate legal mechanisms related to implementing the GSI Plan. The City continues to review policies, ordinances, and/or other appropriate legal mechanisms to improve the implementation of the GSI Plan throughout Oakland. The City has the legal authority needed to comply with MRP 3.

3.7 Outreach and Education

The City will continue to conduct public outreach and provide updated education based on the requirements of the MRP 3 through actions such as preparing informative flyers for public distribution and updating the City's website⁷ with the most up-to-date information for public review. Appropriate elected officials for the City will be educated, and appropriate staff will be trained on the MRP 3. Additionally, the City conducts targeted outreach to Oakland Public Works and the Department of Transportation to train staff on guidance and tools developed and to obtain feedback on improvements to guidance and tools.

3.8 Numeric Requirements

As required by MRP 2.0 Provision C.3.j, the City calculated the target estimated acres of existing impervious surface to be retrofitted within Oakland by 2020, 2030, and 2040 with GSI, which is provided in the 2019 GSI Plan. However, the MRP 3 has provided updated numeric requirements for GSI implementation based on the 2019 US Census Bureau Population Estimate for each city, as listed in MRP 3 Table H-1. MRP 3 Table H-1 requires the City to retrofit 5.0 acres of impervious areas within Oakland by June 30, 2027. The City will track the progress toward achieving the targets presented in MRP 3 Table H-1, identify any challenges that arise in achieving the target, and propose solutions, in coordination with other MRP Permittees, if needed.

The City has not explored alternative compliance options for off-site treatment. The City plans to meet the numeric retrofit requirements listed in MRP 3 Table H-1 by June 30, 2027. The City tracks progress towards meeting these numeric retrofit requirements in their MRP Annual Reports⁸ C.3.j.iii.(2) Tables A and B.

⁷ www.oaklandca.gov

⁸ www.oaklandca.gov/topics/clean-water-program-compliance (FY 2022-23 onward)

4. REFERENCES

- Alameda Countywide Clean Water Program. 2007. *Guidance and Glossary for the Flow Duration Control Review Worksheet for HM Submittals*. November 13.
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- City of Oakland, California. 2021. *Capital Improvement Program FY 2021-2023*.
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ATTACHMENT C.9.1

City of Oakland

Contractor IPM Certification(s) or Equivalent

QualityPro

GREENPRO SERVICE CERTIFICATION



Presenting this certificate of excellence to

Omega Termite & Pest Control, Inc.

in acknowledgment of your continuing efforts toward professional excellence and environmental awareness in the pest management industry by meeting the requirements to provide GreenPro Certified Service.

OFFICIAL SIGNATURE



EXPIRES 1/2025

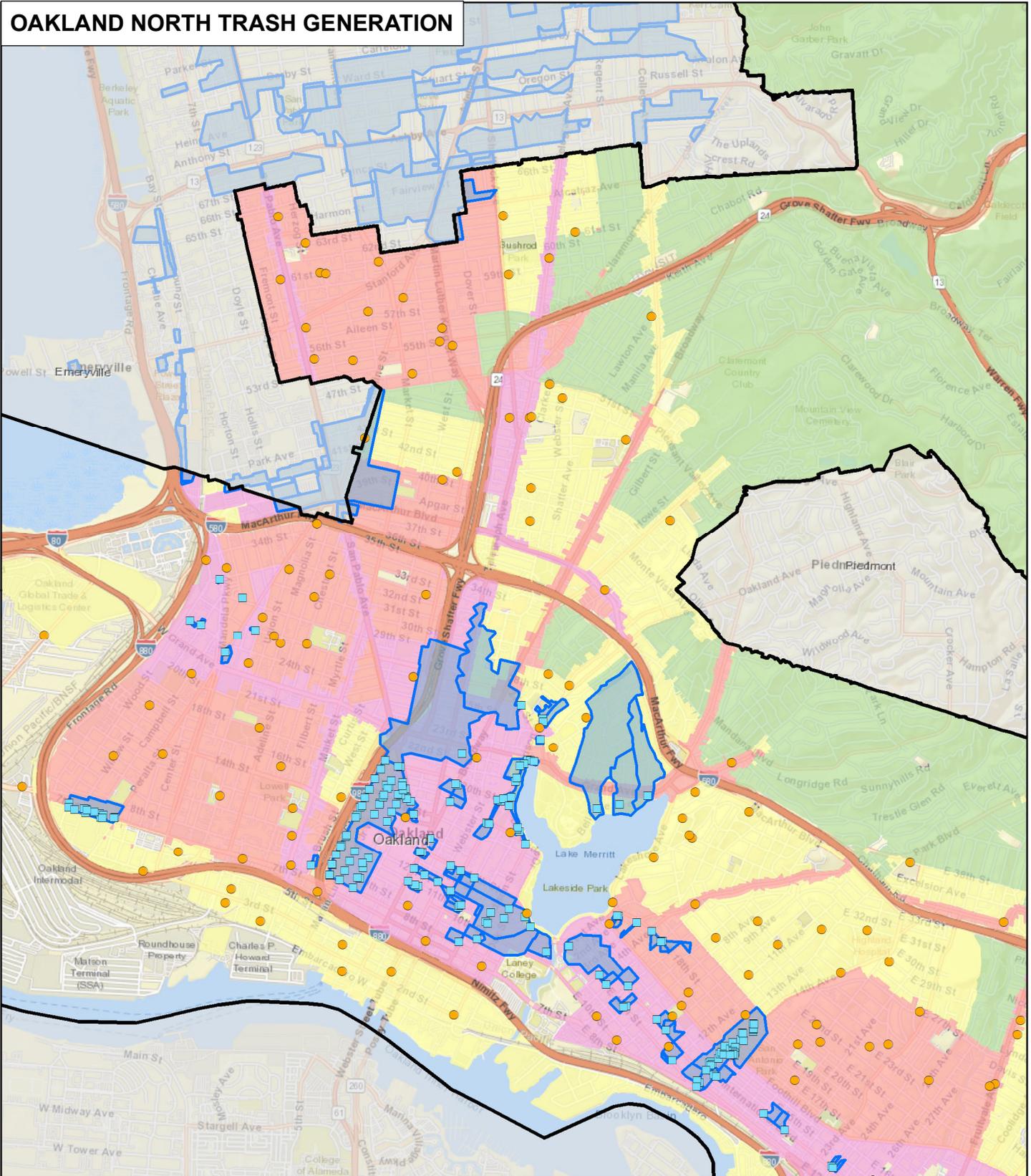
ATTACHMENT C.10.1

City of Oakland Full Trash Capture

Maps

FY 2023-24

OAKLAND NORTH TRASH GENERATION

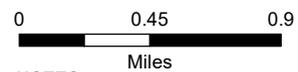


LEGEND

- FULL TRASH CAPTURE DEVICE
- ON-LAND VISUAL TRASH ASSESSMENT SITE
- CITY BOUNDARY
- FULL TRASH CAPTURE DRAINAGE AREA

BASELINE TRASH GENERATION

- LOW
- MODERATE
- HIGH
- VERY HIGH



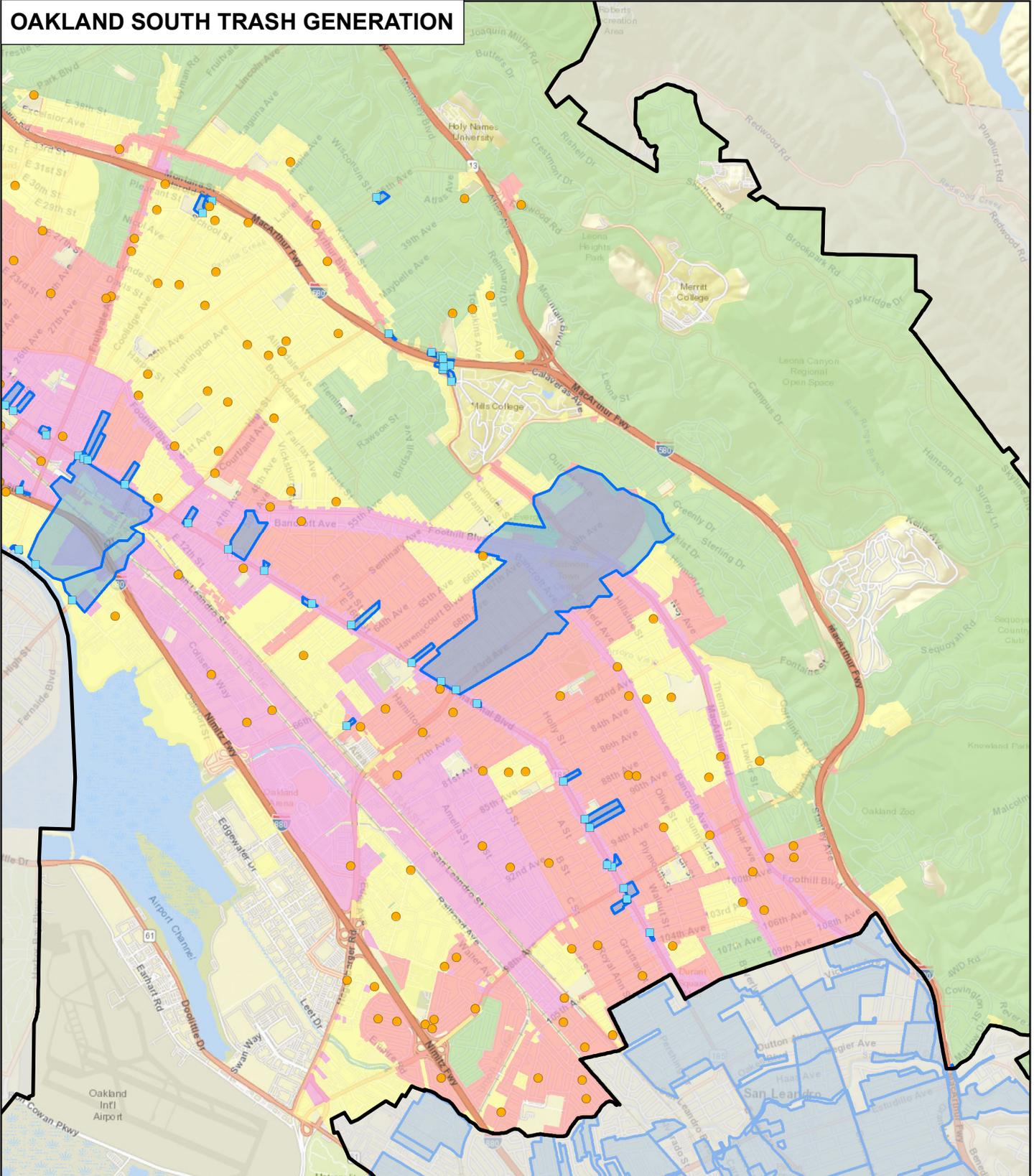
NOTES

1. ALL LOCATIONS ARE APPROXIMATE.
2. BASEMAP SOURCE: ESRI

Date Created: September 21, 2023



OAKLAND SOUTH TRASH GENERATION

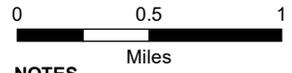


LEGEND

- CITY BOUNDARY
- ON-LAND VISUAL TRASH ASSESSMENT SITE
- FULL TRASH CAPTURE DEVICE
- FULL TRASH CAPTURE DRAINAGE AREA

BASELINE TRASH GENERATION

- LOW
- MODERATE
- HIGH
- VERY HIGH



NOTES

1. ALL LOCATIONS ARE APPROXIMATE.
2. BASEMAP SOURCE: ESRI

Date Created: September 21, 2023



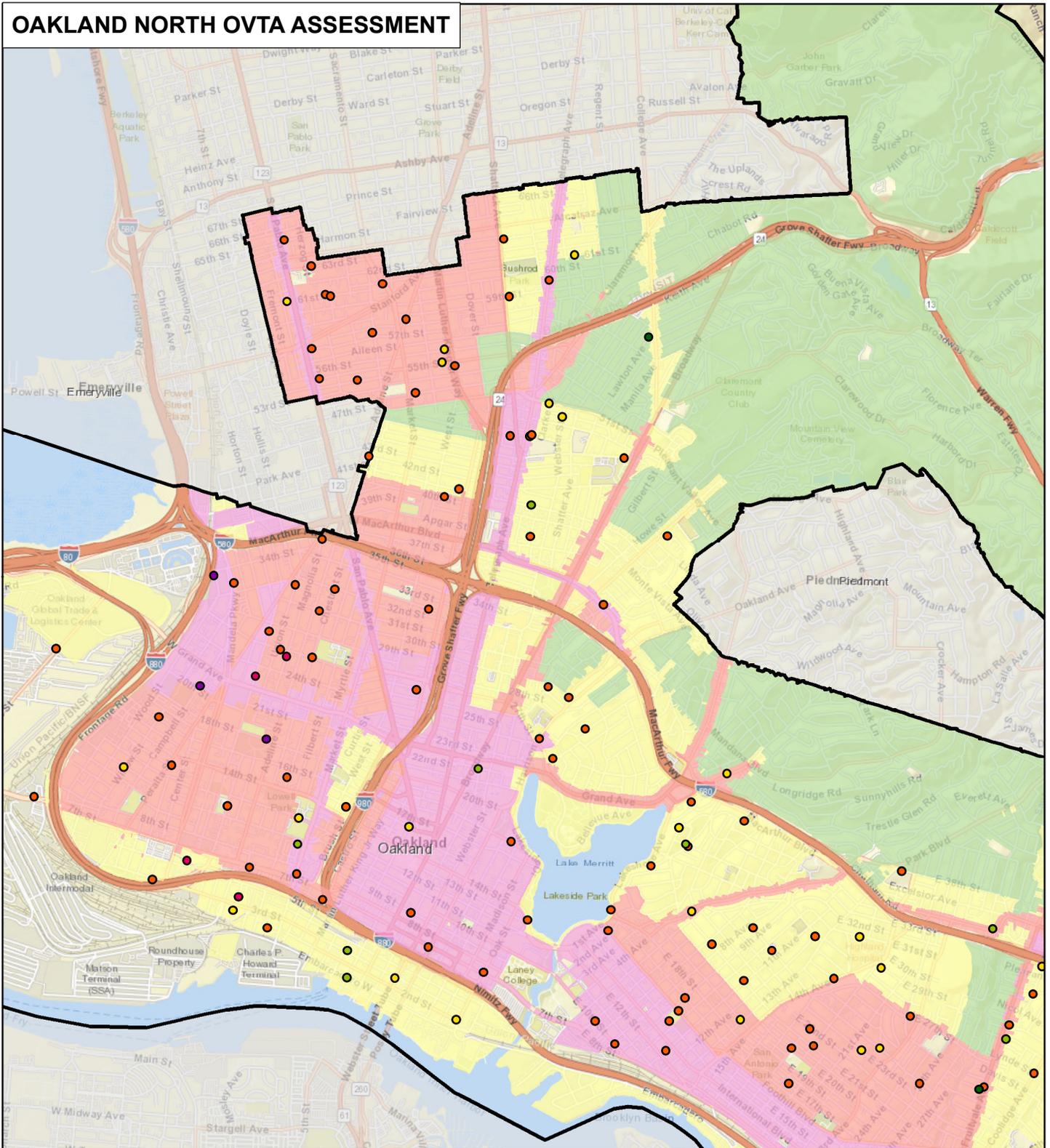
ATTACHMENT C.10.2

City of Oakland

On-Land Visual Trash Assessment Maps

FY 2023-24

OAKLAND NORTH OVTA ASSESSMENT



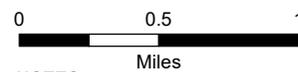
LEGEND

ON-LAND VISUAL TRASH ASSESSMENT SITE

- LOW
- LOW-MODERATE
- MODERATE
- MODERATE-HIGH
- HIGH
- HIGH-VERY HIGH

BASELINE TRASH GENERATION

- LOW
- MODERATE
- HIGH
- VERY HIGH
- ▭ CITY BOUNDARY



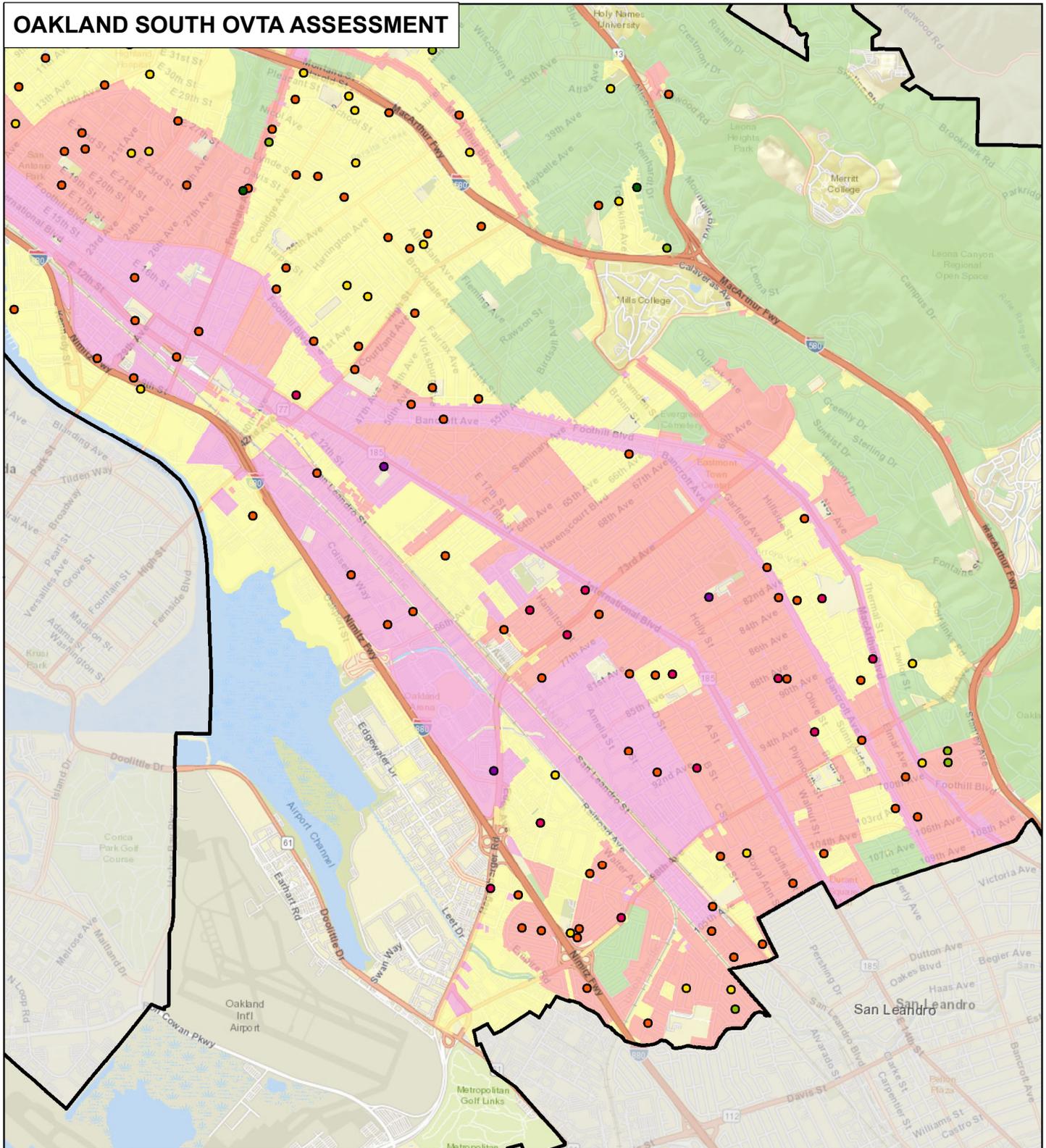
NOTES

1. ALL LOCATIONS ARE APPROXIMATE.
2. BASEMAP SOURCE: ESRI

Date Created: September 21, 2023



OAKLAND SOUTH OVTA ASSESSMENT



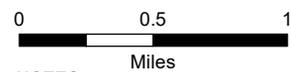
LEGEND

ON-LAND VISUAL TRASH ASSESSMENT SITE

- LOW
- LOW-MODERATE
- MODERATE
- MODERATE-HIGH
- HIGH
- HIGH-VERY HIGH

BASELINE TRASH GENERATION

- LOW
- MODERATE
- HIGH
- VERY HIGH
- ▭ CITY BOUNDARY



NOTES

1. ALL LOCATIONS ARE APPROXIMATE.
2. BASEMAP SOURCE: ESRI

Date Created: September 21, 2023



ATTACHMENT C.10.4

City of Oakland

Direct Discharge Plan

Progress Report FY 2023-24

CITY OF OAKLAND DIRECT TRASH DISCHARGE CONTROL REPORT PROGRESS REPORT FISCAL YEAR 2023-24

1.1 INTRODUCTION

The City of Oakland (City) submitted an updated Direct Trash Discharge Control Plan (DDCP) to the Regional Water Board in FY 2022-23. The Direct Discharge Plan was approved by the Regional Water Board Executive Officer in August 2023. Implementation began that year in FY 2023-24. The purpose of this Direct Trash Discharge Control Report Tables (Tables) is to provide an update on the progress that the City has made on the implementation of its Direct Discharge Trash Control Program, which is designed to reduce the impacts of trash from homeless encampments and illegal dumping into local creeks, lakes and the San Francisco Bay. The trash control measures implemented by the City as part of the Direct Discharge Program are described in more detail with its FY 2022-23 Direct Discharge Control Plan Report dated September 25, 2023. The Tables below provide updates per the MRP Provision C.10.g.xi.(1) for both homeless encampments and Illegal dumping. Additionally, links for and summaries of City of Oakland Agenda Reports are included for more information on the work that the City is doing.

1.2 HOMELESS ENCAMPMENTS

Table 1 provides a summary of the MRP homelessness reporting metrics (MRP Provision (C.10.g.xi.(1))) and where the City will use a “proxy” reporting metric or begin collecting data to supply the necessary information as required by the MRP.

Table 1: Summary of Homeless Reporting Metrics

MRP Requirement	2023 DDCP		FY23-24 Data
	Proxy (Y/N)	Explanation/Data Source	
The estimated number of people experiencing unsheltered homelessness in their jurisdiction.	N	The City will provide direct information for the metric.	5,490
The estimated number of people experiencing unsheltered homelessness living within approximately 500 feet of receiving waters.	N	The City will provide direct information for the metric. The City will begin implementation of a homeless encampment visual inspection program to acquire more accurate data on the number and location of homeless individuals and encampments including individuals and encampments	The City has not yet implemented the homeless encampment visual inspection protocol due to staffing levels. The 2024 Point in Time data is not available, but when it becomes available, the City can evaluate it by census tract to estimate the number of people experiencing

		within 500 feet of a waterway and will use this data in future MRP Annual Report DDCP Progress Reports.	homelessness within 500 feet of a waterway and can provide that data as it becomes available.
The estimated portion of those populations provided housing as described in Provision C.10.f.ii.b.(i).	Y	The City contracts out most homeless social services to Operation Dignity ¹ who then refers homeless individuals to third-party support and/or services provided by Alameda County. Social services providers have incomplete data on where homeless individuals are living and cannot release data due to privacy concerns. When the City closes a homeless encampment affected encamped individuals are offered shelter and/or alternative housing. The City will use the proxy: Number of encampment closures within 500 feet of receiving waters.	7
The estimated portion of those populations served with the services described in Provision C.10.f.ii.b.(i).	Y	The City will use the proxy: Number of encampment closures within 500 feet of receiving waters.	73
The number and scope of sanitation controls and services provided to homeless encampments.	Y	The City will provide direct information for the metric.	40 sites receiving porta potties and wash stations
The number and scope of trash controls and services provided to homeless encampments.	N	The City will provide direct information for the metric.	101 encampments received deep cleaning 46 encampments receive twice weekly pile removal and garbage cart service 31 encampments receive weekly garbage removal
The number and scope of sanitary cleanouts and other services provided to RVs.	Y	The City has established Safe RV Parking Sites that have porta-potties. The City will use the proxy: Number of Safe RV Parking Site spaces.	There are three RV safe parking programs for adults within the City: 1) Housing Consortium of the East Bay, (71st Avenue, District 6); 2) Urban Alchemy, (66th Avenue, District 6); and 3) Building Opportunities for Self-Sufficiency (Wood Street, District 3). The number of RV stalls for each program ranges

			from 40 to 100 stalls.
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The City, in addition to supplying the MRP required reporting metrics, is providing summary reports on the City's homelessness efforts and development of low-income housing by referencing reports prepared by HCD and/or Human Services Department and by connecting the Water Board to information provided on the City's website through embedded links. Reports from FY 2023-24 include:

- March 7, 2024 City Council [Agenda Report](#) on the State Trailer Donation and Programming: summarizes the City's acceptance and use of donated habitable trailers from the City and County of San Francisco. Fifteen trailers will be relocated to an existing site managed by the Housing Consortium of the East Bay (HCEB) and up to 25 will be deployed to privately owned lots to support the unsheltered population in Oakland, including individuals who are identified as homeless, victims of trafficking, and gender-based violence.
- April 9, 2024 Life Enrichment Committee [Agenda Report](#) on City Managed Homeless Interventions: summary of the work managed by the Community Homelessness Services Division including, (1) a list of all interventions and which district each intervention is located in, (2) the service provider and specific amenities and services provided at each location; (3) the managing City staff for each intervention; and (4) if and how the City ensures all of the necessary facilities and services for residents are in place and fully functional.
- April 23, 2024 Life Enrichment Committee [Agenda Report](#) on the Encampment Management Policy: summary of the activities of the 2020 Encampment Management Policy including high-level data on operations conducted from January 2021 through December 2023. The report describes the prioritization of high and low sensitivity zones, types of interventions, roles and responsibilities, workflows, and homelessness summary data.
- April 24, 2024 City Council [Agenda Report](#) on the Jack London Inn Emergency Homelessness Services Program: summary of how the City will take over the Jack London Inn lease to use it as an emergency shelter. It will be run by the HCEB, which remains one of the highest performing programs in the Oakland shelter system. The HCEB will maintain services similar to their other location at the Lake Merritt Lodge.
- May 6, 2024 Life Enrichment Committee [Agenda Report](#) on Family Programs: This report describes how the City will appropriate and allocate funds for Oakland's family homelessness response system through Family Homelessness Challenge program (FHC), operation of the Building Futures Women and Children North County Family Coordinated Access Program (BFWC CAP) and the East Oakland Community Project's (EOCP) shelter and scattered housing sites. The funding ensures the operation of the family coordinated entry system in the City of Oakland which is responsible for connecting families to shelter and housing services. It also secures over 150 shelter beds, transitional housing beds and rapid rehousing slots for families.
- July 5, 2024 City Council [Agenda Report](#) on HHAP Funded Homeless Interventions: summary on the use of California Homeless, Housing, Assistance

and Prevention (HHAP) funds for homelessness support programs. State of California funding HHAP funds have supported the City with the ability to stand up several homeless interventions providing shelter for thousands of Oakland residents. The Report describes how the HHAP funds will be used to maintain crisis response beds/spaces, and health and hygiene interventions continuing to support the homeless community.

1.3 ILLEGAL DUMPING

Table 2 provides a summary of the MRP illegal dumping abatement reporting metrics (MRP Provision (C.10.g.xi.(2))) and where the City will use a “proxy” reporting metric or begin collecting data to supply the necessary information as required by the MRP.

Table 2: Summary of Illegal Dumping Abatement Reporting Metrics

MRP Requirement	DDCP 2023		FY 23-24 Data
	Proxy (Y/N)	Explanation/Data Source	
The total number of active illegal dumping sites.	N	The City will provide direct information for the metric.	40,070
The number of active illegal dumping sites within approximately 500 feet of receiving waters.	N	The City will provide direct information for the metric.	6,072
The number of illegal dumping sites where trash was collected and the amount of material collected.	N	The City will provide direct information for the metric.	40,070 61,431 cy
Dumping vouchers provided (and who they are provided to).	Y	At this time, the City does not have a dumping voucher program. In lieu of a dumping voucher program the City holds free Bulky Block Parties that allow Oaklanders to dispose of large, unwanted items for free on the last Saturday of every month. The City will use the proxy: Number of Bulky Block Parties held.	10 Bulky Block Parties
Dumping vouchers used.	Y	The City will use the proxy: Number of individuals serviced at Bulky Block Parties.	3,101
Outreach and education provided to the public regarding illegal dumping and the availability of dumping vouchers.	Y	The City will use the proxy: Number of press releases for Bulky Block Parties and/or Oaktown PROUD.	No press releases for Bulky Block Party, but 86 social media posts in FY 2023-24.

The City, in addition to supplying the MRP required reporting metrics, is providing summary reports on the City’s illegal dumping abatement by referencing reports and by connecting the Water Board to information provided on the City’s website via embedded links to the reports. Reports from FY 2023-24 include:

- [February 26, 2024 Public Works and Transportation Committee Agenda Report on Equitable Illegal Dumping Efforts](#): summarizes existing programs and newly implemented strategies the City is taking to attempt to solve the dumping problem citywide with a particular focus on areas of the city most impacted by this issue to ensure an equitable approach.
- [February 26, 2024 Public Works and Transportation Committee Agenda Report on the Illegal Dumping Surveillance Camera Program](#): summarizes the approach to add License Plate Recognition (LPR) capability to the City's Surveillance Camera Program (Camera Program). The Camera Program was created to respond to community calls for cleaner, safer streets. Adding 15 LPR cameras to the Camera Program will increase Environmental Enforcement Officers' ability to capture more accurate license plate information from the vehicles used by individuals who are illegally dumping.

1.4 ASSESSMENT OF RESULTING IMPROVEMENTS TO RECEIVING WATER CONDITIONS

The City is including three anecdotal examples of improvements to receiving waters from homeless encampment intervention or illegal dumping abatement activities.

In April 2024 the Oakland Public Works Department led a task force of City departments, including Oakland Police, Transportation, Fire, and Office of Emergency Services, to promptly address and mitigate the environmental and public health risks posed by activities and conditions along a significant portion of the Leet Drive homeless encampment adjacent to San Leandro Creek. Cleanup activities resulted in a measurable increase in on-land visual trash assessment scores (D to A) and visual improvements in water quality (see Figure 1 and Figure 2).

Figure 1: Leet Drive Pre-cleanup



Figure 2: Leet Drive Post-cleanup



On June 15, 2023, the City investigated a complaint received from the California Environmental Protection Agency (Cal EPA), via the Regional Water Board (COMP-57336) of trash in Glen Echo Creek across from 3355 Richmond Boulevard (see Figure 3). The area was cleaned by City Parks and Tree Services Division on July 17, 2023 resulting in visually measurable improvements in water quality.

Figure 3: Glen Echo Creek Pre-cleanup



In September 2023, the City received a Service Request of a broken fence and illegal dumping in Courtland Creek at the boundary of Walgreen's and 3347 Courtland Avenue (see Figure 4). Bureau of Building Code Enforcement sent a notice of violation to the property owner for violation of Oakland Municipal Code 13.16.110 - Watercourse Protection. The City worked with the third-party contractor the Beautification Council to clean the trash from Courtland Creek and the City installed a fence to discourage further illegal dumping activities resulting in visually measurable improvements to water quality.

Figure 4: Courtland Creek Pre-cleanup



1.5 TRASH REDUCTION OFFSET

In accordance with Provision C.10.f.ii of the MRP, the City can claim up to a 15% offset in trash load reduction using a formula identical to the offsets allowed for additional creek and shoreline cleanups (Provision C.10.f.i). This formula applies a 10:1 offset to the total trash volume collected via control measures that apply to the provision. For the City, the trash load that applies is defined as any cleanup of homeless encampments or illegal dumping that was identified as being within 500 feet of a waterway. For FY 2023-24 the City removed a total of 2,236,256 gallons of trash from homeless encampments and illegal dumping locations within 500 ft. of waterbodies.

Consistent with its Baseline Trash Generation Map for stormwater, the City has a reported baseline trash generation load of 490,396 gallons of trash. Fifteen percent of this baseline load equals 73,559 gallons. By applying the ten to one offset ratio, the trash volume increases to 735,594 gallons. The City would need to remove this volume of trash via actions conducted under its Direct Discharge Program to receive the 15% trash load reduction offset for implementing these actions. In FY 2023-24, Oakland removed approximately 2,236,256 gallons of trash which is over three times as much trash within 500 feet of receiving water than was necessary to claim the 15% reduction (Table 3). Therefore, consistent with the MRP, the City is reporting a 15% reduction offset in its FY 2022-23 Annual Report.

Table 3: FY 2023-24 Trash Load Reduction Data Summary, City of Oakland

Metric	Trash (gallons)
Baseline Load	490,396
15% of Baseline Load	73,559

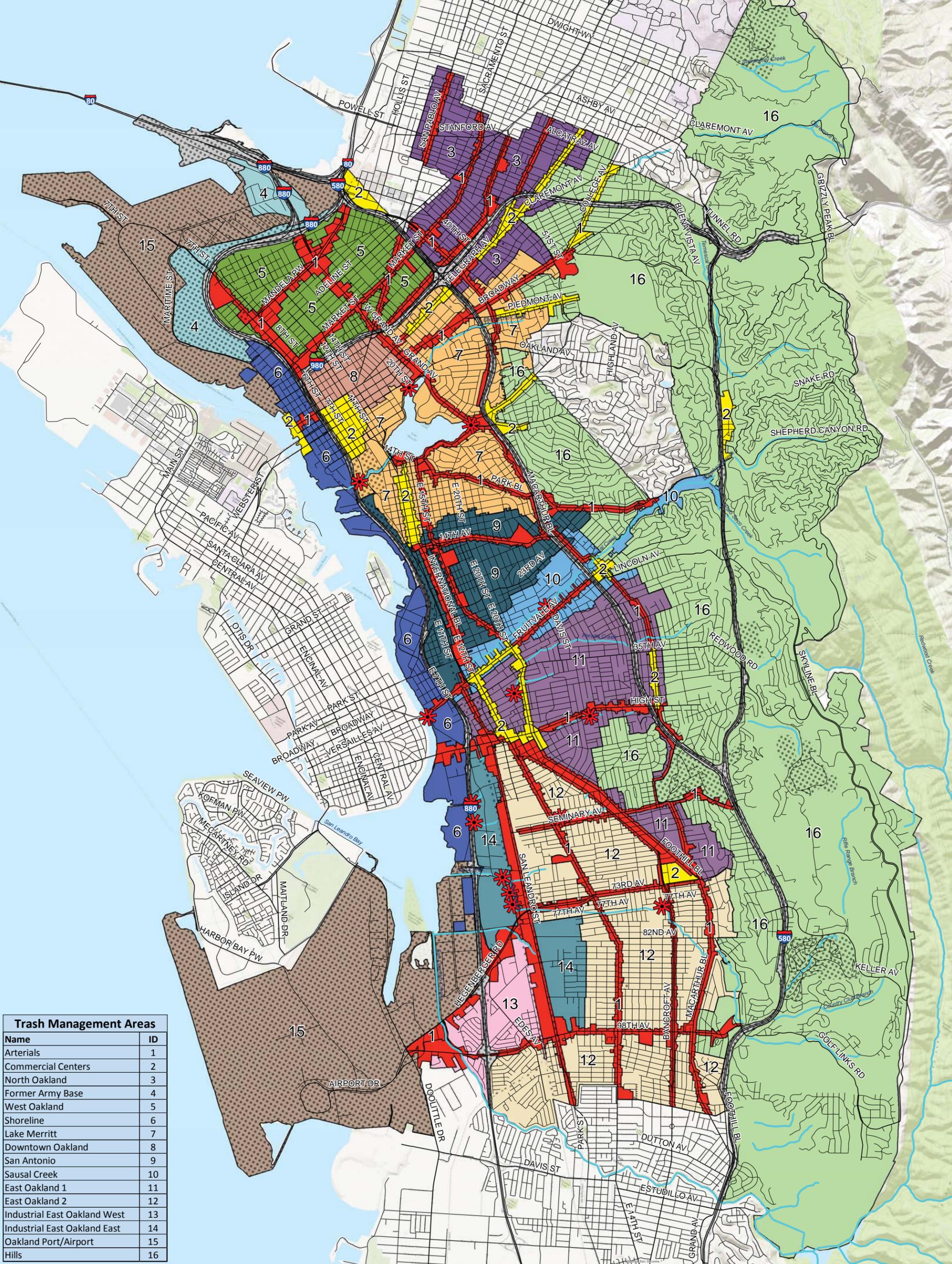
Load required to offset 15% of Baseline Load at 10:1 offset	735,594
Quantity of trash removed in FY 2023- 24 within 500 feet of waterway	2,236,256 (over 3x the Load Required to Offset 15%)

ATTACHMENT C.10.5

City of Oakland

Trash Management Areas Map

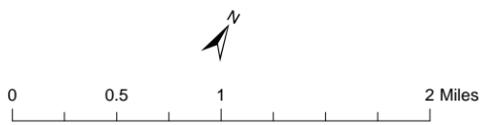
City of Oakland Trash Management Areas Map



Trash Management Areas	
Name	ID
Arterials	1
Commercial Centers	2
North Oakland	3
Former Army Base	4
West Oakland	5
Shoreline	6
Lake Merritt	7
Downtown Oakland	8
San Antonio	9
Sausal Creek	10
East Oakland 1	11
East Oakland 2	12
Industrial East Oakland West	13
Industrial East Oakland East	14
Oakland Port/Airport	15
Hills	16

Legend

- Trash Hot Spot/Assessment Area
- Non-Jurisdictional
- Streets
- Agency Boundary
- Creeks



Data Sources:
 Roads: Alameda County
 City Boundaries: Alameda County
 Background: ESRI World Topographic Map

Map Created By:
 EOA, Inc.

Date:
 January 30th, 2014

ATTACHMENT C.10.6

City of Oakland

Street Sweeping Frequency Map

FY 2023-24

