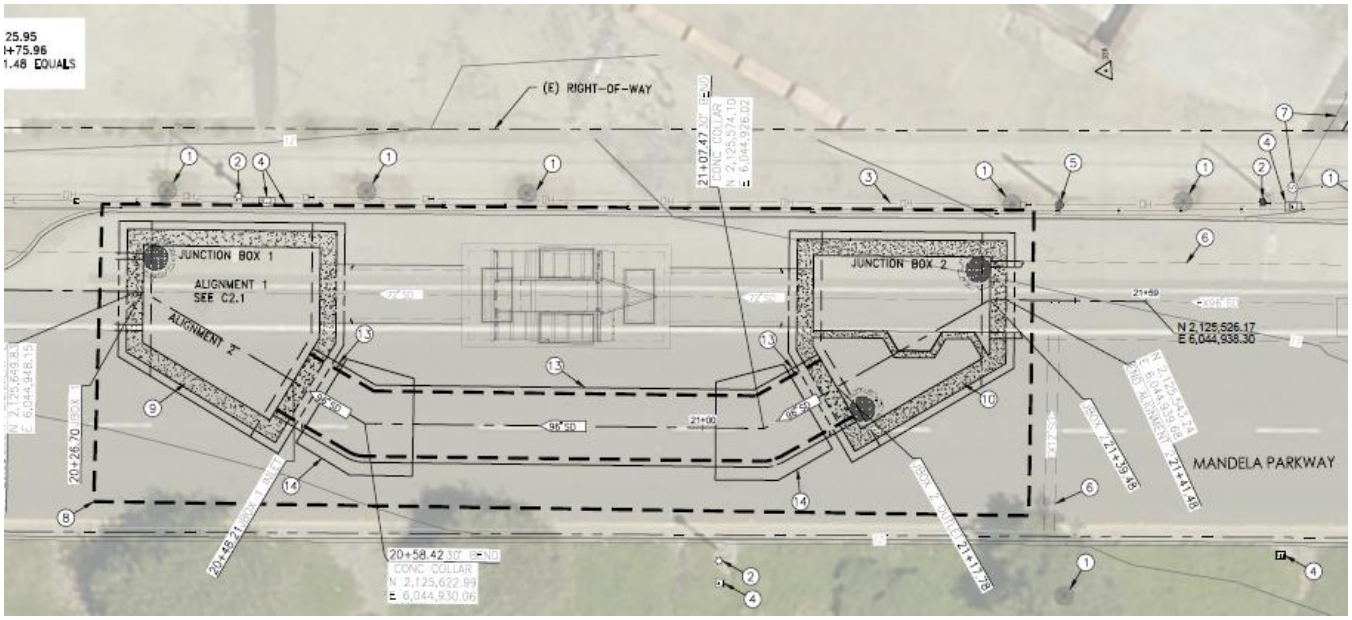
CITY OF OAKLAND

CITY OF OAKLAND MUNICIPAL REGIONAL PERMIT 2022-2023 ANNUAL REPORT



September 30, 2023

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

Cover page image:

From 100% Designs for the Mandela Parkway Large Full Trash Capture Project – Construction will be completed in 2024

CITY OF OAKLAND

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

Oakland Public Works

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September 30, 2023

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 2022–June 2023) 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 2022-2023 (FY 22-23) as required by the California Regional Water Quality Control Board, San Francisco Bay Region Municipal Regional Stormwater National Pollutant Discharge Elimination System (NPDES) Permit.

In FY 2022-23, the City worked to shorten timelines to abate verified illicit discharges to storm drains that were associated with homeless encampments and will continue this work in FY 2023-24.

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

FY 22-23 Annual Report
Permittee Name: City of Oakland

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Section **Page**

Note that Provisions C.14 Bacteria Control for Impaired Water Bodies, C.18 Control of Sediment Discharges from Coastal San Mateo County Roads, and C.19 Cities of Antioch, Brentwood, and Oakley, Unincorporated Contra Costa County, and the Contra Costa County Flood Control and Water Conservation District Requirements are not relevant to Permittees in Alameda County and are not included in this report.

Section 1 – Permittee Information

Background Information					
Permittee Name:	City of Oakland				
Population:	419,556 – 2023 2022 estimate from California Department of Finance from Estimates-E1 | Department of Finance (ca.gov). See current Excel: E-1 Cities, Counties, and the State Population Estimates with Annual Percent Change.				
NPDES Permit No.:	CAS612008				
Order Number:	R2-2022-0018				
Reporting Time Period (month/year):	July 2022 through June 2023				
Name of the Responsible Authority:	Jestin Johnson			**Title:**	City Administrator
Mailing Address:	1 Frank H. Ogawa Plaza				
City: Oakland		**Zip Code:**	94612	**County:**	Alameda
Telephone Number:	510-238-3301		**Fax Number:**		510-238-2223
E-mail Address:	jdjohnson@oaklandca.gov				
Name of the Designated Stormwater Management Program Contact (if different from above):	Terri Fashing		**Title:**	Acting Watershed and Stormwater Management Division and DD Bond Manager	
Department:	Oakland Public Works Department – Bureau of Design and Construction – Watershed and Stormwater Management Division				
Mailing Address:	250 Frank H. Ogawa Plaza				
City: Oakland		**Zip Code:**	94612	**County:**	Alameda
Telephone Number:	510-238-7276		**Fax Number:**		510-238-6333
E-mail Address:	tfashing@oaklandca.gov				

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 2022-2023, 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 2022-2023 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) conducts limited work on streets and sidewalks. Operations include preventative maintenance (such as minor asphalt and pothole repairs) and minor street repairs (including street milling and placement of new asphalt on streets and sidewalks in the City). Staff implements typical stormwater BMPs such as storm drain protection and scheduling construction work 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. 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 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	BMPs for washing down outside areas of human habitation include sanitizing procedures
Y	Implementation of the BASMAA Mobile Surface Cleaner and California Stormwater BMP Handbook (or similar) Program BMPs

Comments:

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

Staff is trained to pressure wash materials towards the permeable pavement located in the plaza so that wash water will infiltrate into the substrate. Use of soaps and/or sanitizers is minimized to eliminate 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, they are vacuumed up using an on-site mini-street sweeper and disposed of in nearby sanitary sewer maintenance holes. These operations are conducted routinely monthly and as needed.

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

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

Bi-weekly safety meetings are also conducted with staff. These tailgate 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 Public Works (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?		**Yes**	X	**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.

	Control of road-related erosion and sediment transport from road design, construction, maintenance, and repairs in rural areas
	Identification and prioritization of rural road maintenance based on soil erosion potential, slope steepness, and stream habitat resources
	Constructing roads and culverts that do not impact creek functions, including migratory fish passage
	Inspection of rural roads for structural integrity and prevention of impact on water quality
	Maintenance of rural roads adjacent to streams and riparian habitat to reduce erosion, replace damaging shotgun culverts, and address excessive erosion
	Re-grading of unpaved rural roads to slope outward where consistent with road engineering safety standards, and installation of water bars as appropriate
	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):

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

C.2.f. ►Corporation Yard BMP Implementation

Place an **X** in the boxes below that apply to your corporation yard(s):

	We do not have a corporation yard.
	Our corporation yard is a filed NOI facility and regulated by the California State Industrial Stormwater NPDES General Permit.
X	We have a **Stormwater Pollution Prevention Plan (SWPPP)** for the Corporation Yard(s).

(For FY 22-23 Annual Report only) Provide links to the Corporation Yard SWPP or include it in the FY 22-23 Annual Report.
https://drive.google.com/drive/folders/1b2j0b1EzhJFTJ3n6f3L8O4cC_RdsOEe9?usp=drive_link

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:

X	Control of pollutant discharges in stormwater such as wash water
X	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
X	Containment of all vehicle and equipment wash areas through plumbing to sanitary sewer or other collection method
X	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
X	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
X	Cover and/or berm outdoor storage areas containing pollutants

Comments:
The Stormwater Pollution Prevention Plan for 5050 Coliseum Way was updated June 2023. The SWPPPs for Oakland's Corporation Yards are posted at https://drive.google.com/drive/folders/1b2j0b1EzhJFTJ3n6f3L8O4cC_RdsOEe9?usp=drive_link.

Inspections were performed in September 2023. Follow-up items identified in the inspections have been completed.

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: Do not leave any cells blank. If you are only reporting the information in a narrative above, state that in the table below.

Corporation Yard Name	Corp Yard Activities w/ site-specific SWPPP BMPs	Inspection Date[2]	Inspection Findings/Results	Date and Description of Follow-up and/or Corrective Actions
7101 Edgewater Boulevard Municipal Service Center (MSC)	• General Housekeeping • Fuel Dispensing • Outdoor Material Storage • Outdoor Waste/Recycling Storage • Municipal Vehicle/Heavy Equipment Parking • Employee Parking	9/27/2022	Water and absorbent should be removed from the hazardous waste pallets. Metallic objects stored outside (street signs, posts, etc.) should be under cover.	All follow-up items were completed.
5050 Coliseum Way	• General Housekeeping • Vehicle/Equipment Washing • Vehicle/Equipment Maintenance & Repair • Outdoor Material Storage • Outdoor Waste/Recycling storage • Municipal Vehicle/Heavy Equipment Parking • Employee Parking	9/27/2022	Corrected on-site during inspection: missing signs on storage bins. Garbage and debris, likely from the train tracks. Not as much as prior inspections.	None needed
Shepherd Canyon	• General Housekeeping • Vehicle/Equipment Maintenance & Repair • Outdoor Material Storage • Outdoor Green Waste Storage • Municipal Vehicle/Heavy Equipment Parking • Employee Parking	9/23/2022	Site observed to be mostly free of debris. Materials stored outside were under cover and hazardous materials were stored correctly indoors. Asphalt should be resurfaced.	None needed

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

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

Comments:
Periodically at staff meetings (tailgates) and/or through other stormwater pollution prevention requirements are covered. Topics covered are: appropriate BMPs for 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.

During FY 2022-23 ACCWP did not provide Municipal Maintenance training. Training will be provided by ACCWPin 2023-24.

Section 3 – Provision C.3 Reporting New Development and Redevelopment

C.3.a.ii. ► New Development and Redevelopment Performance Standard Implementation Summary

(For FY 22-23 Annual Report only) Provide a brief summary of the methods of implementation of Provisions C.3.a.i.(1)-(8)).

Summary:

Guidance: Provide a brief summary for each of the following:

- (1) Municipality's legal authority to implement all requirements of Provision C.3;
- (2) Adequacy of municipality's development review and permitting procedures, including use of conditions of approval or other enforceable mechanisms, to implement C.3 requirements;
- (3) How potential water quality effects and appropriate mitigation measures are addressed in environmental reviews (e.g., CEQA);
- (4) C.3 training for staff in appropriate departments, and interdepartmental training (Program will report on training at the countywide level, suggested text for this item is provided below);
- (5) Outreach/education on C.3 requirements provided to staff, developers, contractors, construction site operators and owner/builders (suggested text for this item is provided below);
- (6) How municipality encourages site design measures at unregulated projects subject to Planning/Building Department review;
- (7) How municipality encourages source control measures at unregulated projects subject to Planning/Building Department review;
- (8) General Plan revisions (if needed) to integrate water quality/watershed protection with water supply, flood protection, habitat protection, groundwater recharge, and other sustainable development principles and policies. Include dates of General Plan revisions.

The City of Oakland's Municipal Code Section 13.14.040 allows the City to maintain consistency with the requirements of the Federal Clean Water Act and, acts amendatory thereof or supplementary thereto, applicable implementing regulations, and National Pollutant Discharge Elimination System Permit and any amendment, revision or reissuance thereof.

The City of Oakland reviews planning and building submittals for compliance with the Municipal Regional Permit (MRP). During the planning phase, applicants must complete the basic application and note whether their project is considered a regulated project. Regulated projects require an additional supplemental form and conceptual level plans noting stormwater areas and implementation methods. In addition, water quality effects are considered during the planning and CEQA process. Conditions of Approval are required to address erosion, sedimentation, SWPPs, drainage on hillsides, stormwater pollution, stormwater runoff, post-construction stormwater management and maintenance, and architectural copper. If necessary, additional mitigation measures are required to address significant water quality and hydrology impacts. For unregulated projects, Conditions of Approval are required for site design and source control measures. The Planning Code also has requirements that complement the MRP including but not restricted to limits on front yard impervious surface and landscape buffers for open parking or loading.

The Planning and Building Department Planning and Building Department is responsible for determining compliance with MRP C.3 requirements during the intake for plan review. After plan review and the start of construction, it is the Building inspector's responsibility to assure the stormwater

requirements have been met during construction. The Department tracks the required maintenance of stormwater treatment facilities through a computer system database (ACCELA) and conducts at least one Operations and Maintenance verification inspection every five years to assure the entire site is in compliance.

Staff attend quarterly stormwater meetings with other cities through the Alameda Countywide Clean Water Program (ACCWP) and sends relevant staff to ACCWP C.3 trainings. Staff has implemented best management practices (BMPs) from other jurisdictions.

The City provides developers and contractors resources pertaining to the C.3 regulations including the new Municipal Permit, the Clean Water Program's Technical Guidance Manual, and a fact sheet and stormwater overview on the Planning and Building forms website. This page also includes the new Supplemental Stormwater Form. If developers have questions, they can contact the Zoning Counter staff for more information regarding the requirements.

The City's General Plan Elements include water quality/watershed, habitat, and flood protection policies, objectives, and actions. Examples include the 2021-2026 Local Hazard Mitigation Plan which includes additional policies related to flooding and sea level rise; the Green Stormwater Instructure Plan adopted in 2019; the Equitable Climate Action Plan which includes green infrastructure policies; as well as a new draft Environmental Justice Element which discusses water quality, stormwater, and the effects on vulnerable populations.

ACCWP provided training on May 16, 2023 on the updated C.3 requirements and reviewed the updated ACCWP C.3 Technical Guidance Manual. In March 2023, the Countywide Program released version 8 of the C.3 Technical Guidance Manual. The manual is posted on the Clean Water Program's (ACCWP) website, https://cleanwaterprogram.org/development/, and the City's website (City of Oakland | Municipal Regional Stormwater Permit (MRP 3) (oaklandca.gov), for use by municipal staff, developers, contractors, construction site operators, and owner/builders. See Section C.3 of the ACCWP FY 2022-2023 Annual Report for additional information.

C.3.b.iv.(1) ► Regulated Projects Approved with No Provision C.3 Stormwater Treatment Requirements

(For FY 22-23 Annual Report only) Provide a complete list of development projects that were approved with no Provision C.3 stormwater treatment requirements under a previous MS4 permit and have not begun construction by July 1, 2022. Fill in attached table **C.3.b.iv.(1)** or attach your own table including the same information.

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**

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 2022-23, 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 2022-23, 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.g.vi.(1) ► Hydromodification Management (HM) Applicability Maps (CCCWP Permittees only)

(For FY 22-23 Annual Report only) Has your agency prepared new HM Applicability Maps or equivalent information?		**Yes**		**No**

This question is not applicable to permittees in Alameda County

C.3.g.vi.(2) ► Hydromodification Management (For CCCWP Permittees only)

(For FY 22-23 Annual Report only) Submit a Technical Report consisting of a HM Management Plan describing how the CCCWP Permittees will implement the HM Standard specified in Provision C.3.g.iii.
This question is not applicable to permittees in Alameda County.

C.3.h.v.(2). ► List of Newly Installed[3] 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 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

Guidance: Note that ACCWP does not compile or transmit this list, each Permittee must submit their list to local mosquito and vector control agency and include a copy of that information in the Annual Report.

	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**
1.	Is a copy of the communication, including the list of newly installed treatment/HM measures, included in your Annual Report?	X	**Yes, See Attachment C.3.2**		

C.3.h.v.(3)(a) – (c) and (f) ► 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 21-22)	133
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 22-23)	142

[3]"Newly Installed" includes those facilities for which the final installation inspection was performed during this reporting year.

Total number of Regulated Projects (including offsite projects, and Regional Projects) for which O&M verification inspections were conducted during the reporting period (FY 22-23). Include only stormwater related inspections.	23
Percentage of the total number of Regulated Projects (including offsite projects, and Regional Projects) inspected during the reporting period (FY 22-23). Include only stormwater related inspections.	17%[4]

C.3.h.v.(3)(a) – (c) and (f) ► 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 21-22)	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 22-23)	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 22-23). Include only stormwater related inspections.	8
Percentage of the total number of Regulated Projects (including offsite projects, and Regional Projects) inspected during the reporting period (FY 22-23). Include only stormwater related inspections.	100%[5]

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.

Summary:

Private Project Inspections detected deficiencies at these three sites. All issues were corrected within 10 days and confirmed by reinspection. These sites are a priority for reinspection in the next fiscal year:

1. Mechanical filter not working at 1940 Webster St during site verification.
2. Failing pumps at 805 71st Ave

[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).

3. Trash accumulation at 10 Hegenberger Rd

Public Project Inspections: We have completed an assessment of the status of all publicly owned green stormwater infrastructure facilities. Each site was ranked for ten categories which included standing water, trash, erosion, vegetation, mulch, irrigation, soil level, inlet, overflow, and outlet. The best-performing operations and maintenance category assessed was standing water, with 93% of the facilities receiving a "Good Condition" or "Excellent Condition" for this category, indicating that almost all facilities have sufficient drainage. The worst-performing operation and maintenance assessment categories were irrigation, mulch, sediment, and soil level. The landscaped stormwater treatment basins at Peralta Park are inaccessible to Park Maintenance staff due to adjacent homeless encampments that make it unsafe for City staff to perform maintenance. City management and the Encampment Management Team are aware of this issue and are evaluating potential solutions.

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

Summary:

Private Projects: We have revised our maintenance agreement to ensure proper transfer of the O & M requirements to the new owners. Our interaction with the owners has improved over the past year. The overall performance of the maintenance program has been quite satisfactory even through the large winter rain storms.

Public Projects: The City will use the assessment of the status of publicly owned green stormwater infrastructure (GSI) facilities to improve maintenance of all public regulated projects (and non-regulated GSI facilities) in FY 23-24. The City will continue to implement a citywide O&M program moving forward.

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
Pervious Paving Fact Sheet – fold and print
Rain Barrel 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 Program and BASMAA products for C.3.i implementation:

- BASMAA's site design fact sheets
- The Alameda Countywide Clean Water Program C.3 Technical Guidance Manual Appendix L: Site Design Requirements for Small Projects

The ACCWP training provided on May 16, 2023, addressed changes to the small project requirements and reviewed the updated ACCWP C.3 Technical Guidance Manual. See Section C.3 of ACCWP FY 2022-2023 Annual Report for more information.

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 Attachment C.3.1).

Summary of Planning or Implementation Status of Identified Projects:

See Attachment C.3.1 for the required information.

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 Countywide Program's FY 2022-2023 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 and Public Works Project and Grants 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. The City completed the internal draft of the Oakland Urban Forest Master Plan (UFMP). The plan will be released for public review in October/November 2023. Watershed Division staff attended planning meetings for this project and provided information on how trees can fit into green stormwater infrastructure. This plan provides vision and direction for managing our City's urban forest over the next 50 years. The UFMP lists the Watershed Division as a potential implementation partner and states: "Oakland Public Works Watershed and Stormwater Management Division ensures that the city complies with Green Stormwater Infrastructure (GSI) planning requirements in the state's National Pollutant Discharge Elimination System (NPDES) Municipal Regional Stormwater Permit (MRP). The Division looks for ways to plant more trees into GSI projects and soil-based stormwater treatment facilities."

3. In FY 2020-2021, the San Francisco Estuary Institute (SFEI) and project partners, including the City of Oakland, began implementing the "Next Generation Urban Greening: Integrating Water Quality, Biodiversity and Resilience" project, funded by the Environmental Protection Agency's San Francisco Bay Water Quality Improvement Fund (SFBWQIF). This project endeavors to help cities achieve more benefits through green infrastructure. SFEI, with support and input from project partners, is working to "develop, disseminate, and implement new information and tools that municipalities, regulators, NGOs, and other stakeholders need to simultaneously improve water quality (including capture of microplastics), flood risk reduction, habitat, and resiliency." The City plans to use project tools to update and implement the City's Green Stormwater Infrastructure Plan, with the goal of improved environmental outcomes.

   Two City Watershed Division staff attended a two-hour virtual workshop hosted by SFEI's Next Generation Urban Greening project management staff on June 15, 2021. SFEI staff shared their initial plans for the project and sought input from participants into what is most needed to support multifunctional green infrastructure in our cities. For questions or to learn more about this project, visit the project webpage: Next Generation Urban Greening | San Francisco Estuary Institute (sfei.org)

   In FY 2021-2022, SFEI staff worked on analysis and methods development and are planning to hold their second regional forum in FY 2022-2023 to share their initial results and their synthesis from the first regional forum with the larger team.

4. The City green stormwater infrastructure resources posted at www.oaklandca.gov/resources/green-streets-raingardens.

5. In FY 2022-2023, City Watershed Division staff reviewed public project plan sets to provide comments on GSI where it was incorporated and to encourage project managers to incorporate GSI where feasible.

6. 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-benefits stormwater capture project opportunities. Concept designs were developed and are being 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. In FY 2023-2024, the City will further evaluate these projects to determine if trash capture can be added and if the projects can be pursued further.

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. **Guidance: A "non-regulated" GI project is GI that is not providing treatment for a Regulated Project as defined in Provision C.3.b.ii. Refer to footnotes in the table for instructions on how to complete the table. Do not leave any cells blank. For example, enter zero or N.A. as appropriate. If a Permittee did not construct any Non-Regulated Projects during the reporting period (fiscal year), then the Permittee should state so here or in the C.3.j.v.(1)(a) Reporting Table.**

The City did not complete any private non-regulated projects that incorporated green infrastructure in FY 22-23. No public non-regulated green stormwater infrastructure projects were completed in FY 22-23, but the City did make progress on four projects that will incorporate bioretention or self-retaining areas and is evaluating GSI potential on all project where GSI could be implemented. See Attachment C.3.j. for the list of public non-regulated GSI projects that were evaluated for GSI potential in FY 2022-2023.

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

Certify in the 2023 Annual Reports that the tracking and mapping tools have been completed and are being implemented. In each Annual Report, provide summary reports on the implementation of the tracking and mapping tools and provide a link to the component which is available to the public.

Has your agency completed developing Green Infrastructure tracking and mapping tools, and are they being implemented?	X	**Yes**		**No**

Summary Reports:

Please refer to the Countywide Program's FY 2022-2023 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.(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 – 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 Countywide Program's FY 2022-2023 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-benefits stormwater capture project opportunities. Concept designs were developed and are being 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. In FY 2023-2024, the City will further evaluate these projects to determine if trash capture can be added and if the projects can be pursued further. If implemented, one of these projects would allow the City to meet the C.3.j.v.(3) numeric retrofit requirements.

C.3.j.v.(5) ► Alternative Green Infrastructure Techniques for Rural Communities –

Permittees whose jurisdictions are dominated by rural areas may collectively submit a proposal, subject to the Executive Officer's approval, for the use of alternative green infrastructure techniques.

Is your jurisdiction a rural community that is participating in a program to develop a proposal to use alternative green infrastructure techniques?		**Yes**	X	**No**

If yes, include a copy of the proposal in the FY 22-23 Annual Report.

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

Permittees with ordinances that require Regulated Projects to treat significantly more impervious surface than the minimum required by Provision C.3.c-d, may offset their Numeric Implementation retrofit requirements by a one-time credit of up to 25 percent, and by no greater than one acre.				
Is your jurisdiction submitting a report to offset numeric implementation retrofit requirements by a one-time credit of up to 25 percent?		**Yes**	X	**No**
If yes, include a copy of the report in the FY 22-23 Annual Report. Permittees may not use the offset prior to Executive Officer approval of the report.				

C.3.b.iv.(1) ►Regulated Projects Approved with No Provision C.3 Reporting Table

(For FY 22-23 Annual Report only) Fill in table below or attach your own table including the same information.

Project Name Project No.	**Project Location[6], Street Address**	**Type of Stormwater Treatment System Required**	**Specific Exemption Granted[7]**
Brooklyn Basin/ Oak to Ninth	Bounded by approximately by Embarcadero, Oak Street, Ninth Avenue, and Oakland Estuary	Hydrodynamic separators, grass swales, pervious pavements, and infiltration basins, and mechanical methods	A Vesting Tentative Tract Map and Development Agreement which means that the project has a vested right to continue per C3.b.i.2.a.i and ii
Comments: Brooklyn Basin (formerly known as Oak to Ninth) was approved in 2006 and then again in 2009 following legal challenge prior to an MRP permit. The project was reported to the Water Board in the 2006-2010 annual reports. The project would be developed in 4 phases and included approximately 64 acres of waterfront property with 3,100 residential units, 200,000 square feet of ground-floor commercial space, and approximately 32 acres of parks and public open space. The project included a Vesting Map and a Development Agreement with the City of Oakland both of which conferred legal vesting rights to the project.			

[6] Include cross streets
[7] Pursuant to Provision C.3.b.i.(2)(a) and (b) (i.e., any Regulated Project that was previously approved with a vesting tentative map approved or conditionally approved, as allowed by State law;
any Regulated Projects for which the Permittee has no legal authority to require changes to previously granted approvals; and any Regulated Project exempted from the LID requirements of Provision C.3.c as is provided with a stormwater treatment with media filters that comply with the hydraulic sizing requirements of Provision C.3.d.

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[8], Street Address	Name of Developer	Project Phase No.[9]	Project Type & Description[10]	Project Watershed[11]	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area (ft^2)[12]	Total Replaced Impervious Surface Area (ft^2)[13]	Total Pre-Project Impervious Surface Area[14](ft^2)	Total Post-Project Impervious Surface Area[15](ft^2)
Private Projects											
1090 29th Ave	1090 29th Ave	Coory Engineering	NA	5-story commercial, 164,000 sf self-storage facility	Oakland Estuary	4.01	0.590	1,225	22,850	24,200	24,100
6345 Coliseum Way	6345 Coliseum Way	Prologis	NA	1-story, 58,530 sf industrial warehouse	San Leandro Bay	2.86	2.86	110,297	0	1,140	111,437
Bishop O'Dowd High School	9500 Stearns Ave	Bishop O'Dowd High School	NA	Conversion of a natural turf baseball field to a combination synthetic turf infield and natural turf outfield baseball and softball facility with netting, dugouts, bleachers and hardscape improvements	Elmhurst Creek and Arroyo Viejo	1.97	1.97	15,225	2,349	2,349	17,574
1232 High Street Self-Storage	1232 High St	Clear Sky Capital	NA	5-story, 128, 000 sf self-storage facility	Peralta Creek	0.73	0.73	5,250	27,000	31,750	32,250
Head-Royce School	4368 Lincoln Ave	Head-Royce School	Combined Phases I & II	Head-Royce School PUD Amendment Project: Redevelopment of the existing South Campus, including demolition of seven existing buildings, site paving, and landscaping	Sausal Creek and East Creek	7.9	4.8	78,486	42,448	153,100	120,934

[8] Include cross streets
[9] 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".
[10] 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.
[11] State the watershed(s) in which the Regulated Project is located. Downstream watershed(s) may be included, but this is optional.
[12] All impervious surfaces added to any area of the site that was previously existing pervious surface.
[13] All impervious surfaces added to any area of the site that was previously existing impervious surface.
[14] For redevelopment projects, state the pre-project impervious surface area.
[15] 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[8], Street Address	Name of Developer	Project Phase No.[9]	Project Type & Description[10]	Project Watershed[11]	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area (ft^2)[12]	Total Replaced Impervious Surface Area (ft^2)[13]	Total Pre-Project Impervious Surface Area[14](ft^2)	Total Post-Project Impervious Surface Area[15](ft^2)
				features, and construction of a new facility and additions or remodels of four existing buildings, new landscaping features, and new paved walkways, driveway, and parking							
California Waste Solutions North Gateway Recycling Facility	2308 Wake Ave	RPR Architects	NA	Commercial and residential recycling facility with new 175,000 SF, 150-foot tall building	NA	14.38	12.97	438,649	102,802	102,802	541,451
2432 Chestnut St	2432 Chestnut St	Riaz Capital	NA	Three, 3-story buildings with 12 residential units and community room	West Oakland	0.57	0.57	14,488	19,081	24,725	33,567
3050 International	3050 International	Satellite Affordable Housing	NA	5-story building with 76 low and very low-income units and a 13,589 sf Health Care and Cultural Center ground floor space	Oakland Estuary	0.75	0.75	0	30,239	32,571	30,239
1431 Franklin (Office)	1431 Franklin St	TC II 1431 Franklin, LLC	NA	27-story, 419,000 sf office tower	Oakland Estuary	0.48	0.48	0	20,428	20,974	20,428
1431 Franklin (Residential)	1431 Franklin St	TC II 1431 Franklin, LLC	NA	40-story building with 381 units including 38 verry low-income units	Oakland Estuary	0.48	0.48	0	19,907	20,974	19,907
Noodle Factory	419 4th St	Lowney Architecture	NA	Eight-story building with 101 units and 1,675 sf of commercial space	Oakland Estuary	0.32	0.32	0	13,984	13,984	13,984
5976 and 5998 Telegraph Avenue	5976 and 5998 Telegraph Ave	Cole and Land LLC, Dreamers and Cultivators LLC, and Momo's Rook LLC	NA	4-story, 23-unit town home building.	Temescal Creek	0.57	0.57	6,329	14,838	23,791	21,167

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[8], Street Address	Name of Developer	Project Phase No.[9]	Project Type & Description[10]	Project Watershed[11]	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area (ft^2)[12]	Total Replaced Impervious Surface Area (ft^2)[13]	Total Pre-Project Impervious Surface Area[14](ft^2)	Total Post-Project Impervious Surface Area[15](ft^2)
International Station Phase III	1815 105th Ave (10550 International Blvd)	AMG & Associates	Phase III	6-story buildings with 210-low-income units	San Leandro Creek	1.08	1.08	0	37,085	46,492	37,085
Villa Fruitvale	3751 International Blvd	Ekundayo Sowunmi	NA	6-story building with 4,380 square-feet of ground floor commercial space and 199 residential units.	San Leandro Bay	0.88	0.88	25,435	12,620	37,115	38,055
Dr. Kenneth Anderson Senior Living	1003 East 15th St	Eden Housing	NA	5-story residential building with 68 low-income affordable units and above ground parking for the church	Oakland Estuary	0.56	0.56	22,559	0	24,500	22,559
Derby Studios	2956 International Blvd	Pacific West Communities	NA	5-story residential building with 100 low-income affordable units	Oakland Estuary	0.56	0.56	0	17,684	23,949	6,265
4821 Tidewater Ave	4821 Tidewater Ave	DLF/DP Tidewater, LLC	NA	Reconstruct the 8,000 sf Office/Shop Building, pave the parking area, install vehicle gate, and construct a new guard booth along with other site improvements.	San Leandro Bay	7.01	7.01	247,255	24,690	24,690	271,945
3419 San Pablo Ave	3419 San Pablo Ave	East Bay Asian Local Development Corporation (EBALDC)	NA	7-story building with 60 affordable units and approximately 1,386 square feet of ground floor commercial space.	West Oakland	0.347	0.347	248	9,992	14,447	11,576
121 E 12th Street	111 and 121 E 12th Street	Emily Estes	NA	6-story building with 91low to very low-income units	Oakland Estuary	0.45	0.45	15,237	0	0	15,237
BCZ Liberation Park/ Residences at Liberation Park	6955 Foothill and 73rd Ave	Black Cultural Zone Community Development	N/A	6-story building with 119 units for low, very-low and extremely low incomes, 3-story 34,841 square-foot	Arroyo Viejo	1.31	1.31	58,209	0	0	58,209

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[8], Street Address	Name of Developer	Project Phase No.[9]	Project Type & Description[10]	Project Watershed[11]	Total Site Area (Acres)	Total Area of Land Disturbed (Acres)	Total New Impervious Surface Area (ft^2)[12]	Total Replaced Impervious Surface Area (ft^2)[13]	Total Pre-Project Impervious Surface Area[14](ft^2)	Total Post-Project Impervious Surface Area[15](ft^2)
				commercial market hall, cultural performance space, co-working and office							
Kingdom Builders - Senior and Supportive Housing	7954 MacArthur Blvd	Community Housing Development Corp.- NR	NA	5-story building with 40 very low-income senior units and 1,248 sf of ground commercial area	Elmhurst Creek	0.197	0.197	6,960	0	7,590	6,960
820 West MacArthur Blvd	820 West MacArthur Blvd	Chris Batson	NA	5-story building with 166 units	West Oakland	0.52	0.52	0	16,407	21,660	16,407
Stanford Medicine Sutter Health Cancer Center	3023 Summit St	Sutter Health (David D. Clark)	NA	Stanford Medicine Sutter Health Cancer Center, an outpatient medical building for Oncology Providers located on the Alta Bates Summit Medical Center Campus; a joint venture between Stanford and Sutter.	Glen Echo Creek	1.3	1.3	2,573	40,515	51,219	43,088
300 27th Street	300 27th Street	300 27th Street LLC	NA	Parking Lot improvements.	Glen Echo	0.17	0.17	0	7,705	7,705	7,705
Samuel Merritt University Oakland Campus	525 12th T5 at 11th Street between Clay and Broadway	Strada 5, LLC	N/A	12-story, 226,289 sf civic building for a 1,250 student campus	Oakland Estuary	0.55	0.55	25,268	3,491	3,491	28,759
Public Projects – No public Regulated Projects were approved in FY 2022-2023											
Comments:											

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

Project Name Project No.	Project Status[16]	Estimated or Actual Completion Date	Source Control Measures[17]	Site Design Measures[18]	Treatment Systems Approved[19]	Type of Operation & Maintenance Responsibility Mechanism[20]	Hydraulic Sizing Criteria[21]	Alternative Compliance Measures[22/23]	Alternative Certification[24]	HM Controls[25/26]
Private Projects										
1090 29th Ave	Approved 1-4-2023	TBD	Plumb floor drains to sanitary sewer; inlet stenciling	Reduced impervious area; stenciling at storm drain inlets	Catch-basin filters/ Cultec inflitration (100%) Note: A hold has been placed on the project pending LID compliance	Maintenance Agreement with Owner	1b	Not Applicable	No	Not required; post impervious surface not exceeding pre-impervious surface; not located in susceptible area
6345 Coliseum Way	Approved 4-13-2021	4/172023	Install stenciling at storm drain inlets, plumb interior floor drains to sewer, discharge fire sprinkler test water, incorporate sustainable landscaping practices	Minimize land disturbance, maximize permeability, protect sensitive areas, use self-treating/self-retaining areas, direct runoff (roof, sidewalks, walkways, driveways) onto vegetated areas	Bio-retention planters (100%)	Maintenance Agreement with Owner	3	Not Applicable	No	Not required; not located in susceptible area

[16] Provide status of project (e.g., application date, application deemed complete date, project approval date).
[17] 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.
[18] 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.
[19] 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.).
[20] 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.
[21] 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).
[22] 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.
[23] 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.
[24] Note whether a third party was used to certify the project design complies with Provision C.3.d.
[25] If HM control is not required, state why not.
[26] 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), biodetention 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

Project Name Project No.	Project Status[16]	Estimated or Actual Completion Date	Source Control Measures[17]	Site Design Measures[18]	Treatment Systems Approved[19]	Type of Operation & Maintenance Responsibility Mechanism[20]	Hydraulic Sizing Criteria[21]	Alternative Compliance Measures[22/23]	Alternative Certification[24]	HM Controls[25/26]
Bishop O'Dowd High School	Approved 9-16-2022	TBD	Install stenciling at storm drain inlets, incorporate sustainable landscaping practices	Minimize land disturbance and impervious surfaces; maximize permeability by clustering development and preserving open space; use self-treating or self-retaining areas; direct roof runoff and impervious surface to vegetated areas	Bio-retention planters (100%)	Maintenance Agreement with Owner	1a	Not Applicable	No	Not required; does not create and/or replace one acre or more of impervious surface
1232 High Street Self-Storage	Approved 7-16-2019	TBD	Install stenciling at storm drain inlets, plumb interior floor drains, parking garage and trash to sewer, minimize run-off from loading; discharge fire sprinkler test and air conditioning water, incorporate sustainable landscaping practices	Minimize land disturbance and impervious surfaces; use micro detention; drain all roof and on-site hardscape to vegetated areas	Bio-retention planters and infiltration trenches (100%)	Maintenance Agreement with Owner	1b	Not Applicable	No	Not required; not located in susceptible area

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

Project Name Project No.	Project Status[16]	Estimated or Actual Completion Date	Source Control Measures[17]	Site Design Measures[18]	Treatment Systems Approved[19]	Type of Operation & Maintenance Responsibility Mechanism[20]	Hydraulic Sizing Criteria[21]	Alternative Compliance Measures[22/23]	Alternative Certification[24]	HM Controls[25/26]
Head-Royce School	Approved 4-20-2023 Appealed	TBD	Install stenciling at storm drain inlets; plumb interior floor drains, parking garage and trash to sewer, minimize run-off from loading; provide grease interceptor; discharge fire sprinkler test and air conditioning water, incorporate sustainable landscaping practices	Minimize land disturbance and impervious surfaces; Cluster development; use micro-detention; protect sensitive areas; utilize self-treating and self-retaining areas; plan and preserve receptor trees adjacent to hardscape surfaces; direct runoff into vegetated areas and/or bioretention facilities; and construct with permeable pavement and/or other hardscape materials	Bio-retention planters (100%)	Maintenance Agreement with Owner	2c	Not Applicable	No	Not required; not located in susceptible area and post impervious surface not exceeding pre-impervious surface
California Waste Solutions North Gateway Recycling Facility	Approved July 2021	Building Permit Submitted 2025 TBD	Covered trash and outdoor material storage areas, enclosed repair/maintenance bays on interior of building, sustainable landscaping practices, efficient irrigation, “No Dumping” stenciling at storm drains	Minimize impervious surfaces, direct sidewalk and driveway runoff to vegetated areas, construct visitor driveway and sidewalks with permeable paving, install modular wetland systems	Modular wetlands system (100%)	Maintenance Agreement with Owner	3	Not Applicable	No	Not required; not located in susceptible area

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

Project Name Project No.	Project Status[16]	Estimated or Actual Completion Date	Source Control Measures[17]	Site Design Measures[18]	Treatment Systems Approved[19]	Type of Operation & Maintenance Responsibility Mechanism[20]	Hydraulic Sizing Criteria[21]	Alternative Compliance Measures[22/23]	Alternative Certification[24]	HM Controls[25/26]
2432 Chestnut St	Approved 5-17-2021	TBD	Install stenciling; plumb interior floor drains to sanitary sewer; discharge fire sprinkler test water to on-site vegetated areas or to the sanitary sewer if discharge to on-site vegetated areas is not feasible; incorporate sustainable landscaping practices, retain existing vegetation, use efficient irrigation systems to minimize runoff, promote surface infiltration, minimize the use of pesticides and fertilizers, and other practices of Bay Friendly Landscaping	Minimize land disturbance and impervious surfaces; use micro-detention; protect sensitive areas; use self-treating or self-retaining areas; direct roof runoff, hardscape and onto vegetated areas; construct sidewalks, walkways, patios, driveways, bike lanes, and/or uncovered parking lots with permeable surfaces	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
3050 International	Approved 12-23-2019	Building Permit Submitted-TBD 2025?	Install stenciling; plumb interior floor drains and parking garage to sanitary sewer; discharge fire sprinkler test water to on-site vegetated areas	Direct roof-runoff to vegetated areras	Storm filter (25%) Flow-through Planter (75%)	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

Project Name Project No.	Project Status[16]	Estimated or Actual Completion Date	Source Control Measures[17]	Site Design Measures[18]	Treatment Systems Approved[19]	Type of Operation & Maintenance Responsibility Mechanism[20]	Hydraulic Sizing Criteria[21]	Alternative Compliance Measures[22/23]	Alternative Certification[24]	HM Controls[25/26]
			or to the sanitary sewer; incorporate sustainable landscaping practices							
1431 Franklin (Office)	Approved 5-17-2023 Appealed	TBD	Install stenciling plumb interior floor drains and interior parking garage floor drains to sanitary sewer; cover and enclose trash/recycling storage areas; discharge fire sprinkler test water and air conditioning water to on-site vegetated areas or sanitary sewer; drain air conditioning unit water to landscaping or discharge to the sanitary sewer	Use self-treating or self-retaining areas; minimize stormwater runoff by constructing sidewalks, walkways, and/or patios with permeable surfaces	Storm filter (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
1431 Franklin (Residential)	Approved 2-15-2023 Appealed	TBD	Install stenciling; plumb interior floor drains and parking garage floor drains to sanitary sewer; cover and enclose trash/recycling storage areas and connect any	Use self-treating or self-retaining areas; minimize stormwater runoff by constructing sidewalks, walkways, and/or patios with permeable surfaces	Storm filter (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

Project Name Project No.	Project Status[16]	Estimated or Actual Completion Date	Source Control Measures[17]	Site Design Measures[18]	Treatment Systems Approved[19]	Type of Operation & Maintenance Responsibility Mechanism[20]	Hydraulic Sizing Criteria[21]	Alternative Compliance Measures[22/23]	Alternative Certification[24]	HM Controls[25/26]
			drains to sanitary sewer; discharge swimming pool water, fire sprinkler test water, and air conditioning water to on-site vegetated areas or to the sanitary sewer							
Noodle Factory	Approved 11-1-2022 Revision Submitted	TBD	Install stenciling at storm drain inlets; plumb interior parking garage floor to sanitary sewer; discharge fire sprinkler test and air conditioning water to on-site vegetated area or to sanitary sewer	Use micro detention, including distributed landscaped-based detention; direct roof runoff onto vegetated area	Mechanical Treatment (50%) Flow-through Planter (50%)	Maintenance Agreement with Owner	2c	Not Applicable	No	Not required; not located in susceptible area
5976 and 5998 Telegraph Avenue	Approved 10-24-2022	TBD	Install stenciling at storm drain inlets; plumb interior floor drains to sanitary sewer; cover and enclose trash/recycling storage areas to prevent storm water run-on and run-off and connect any drains to sanitary sewer; discharge fire sprinklers to	Minimize land disturbance; use self-treating or self-retaining areas; direct runoff from sidewalks, walkways, and/or patios, driveways and/or uncovered parking lots onto vegetated areas; construct sidewalks, walkways, and/or	Storm filters (45%) Bio-retention Planters (55%)	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

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

Project Name Project No.	Project Status[16]	Estimated or Actual Completion Date	Source Control Measures[17]	Site Design Measures[18]	Treatment Systems Approved[19]	Type of Operation & Maintenance Responsibility Mechanism[20]	Hydraulic Sizing Criteria[21]	Alternative Compliance Measures[22/23]	Alternative Certification[24]	HM Controls[25/26]
			sanitary sewer; drain air conditioning water to sanitary sewer; incorporate sustainable landscaping practices	patios with permeable surfaces						
International Station Phase III	Approved 8-25-2022	TBD	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 and air conditioning water to on-site vegetated areas or sanitary sewer; incorporate sustainable landscaping practices; drain roofs to unpaved area where practicable	Minimize land disturbance; use micro detention areas; direct runoff from roof and sidewalks, walkways, and/or patios onto vegetated areas	Bio-retention Planters (100%)	Maintenance Agreement with Owner	3	Not Applicable	No	Not required; not creating more than 1 acre
Villa Fruitvale	Approved 8-25-2022	TBD	Install stenciling at storm drain inlets; plumb interior floor and parking garage drains to sanitary sewer;discharge	Minimize land disturbance; direct runoff from roof and sidewalks, walkways, and/or patios onto vegetated areas	Flow-through planters (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

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

Project Name Project No.	Project Status[16]	Estimated or Actual Completion Date	Source Control Measures[17]	Site Design Measures[18]	Treatment Systems Approved[19]	Type of Operation & Maintenance Responsibility Mechanism[20]	Hydraulic Sizing Criteria[21]	Alternative Compliance Measures[22/23]	Alternative Certification[24]	HM Controls[25/26]
			fire sprinkler test and air conditioning water to on-site vegetated areas or sanitary sewer							
Dr. Kenneth Anderson Senior Living	Approved 10-20-2022	TBD	Install stenciling at storm drain inlets; plumb interior floor and parking garage drains to sanitary sewer; cover and/or grade to minimize run-on and runoff from loading area; incorporate sustainable landscape practices	Use micro-detention; direct roof runoff onto vegetated areas; direct runoff from sidewalks, walkways, and/or patios onto vegetated areas	Media filters (75%) Bio-retention Planters (25%)	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
Derby Studios	Approved 10-10-2022	TBD	Install stenciling at storm drain inlets; plumb interior floor drains to sanitary sewer; cover and enclose trash/recycling storage areas to prevent storm water run-on and run-off and connect any drains to sanitary sewer; discharge fire sprinklers and air conditioning	Minimize land disturbance; use micro-detention; use self-treating or self-retaining areas; direct runoff from sidewalks, walkways, and/or patios, driveways and/or uncovered parking lots onto vegetated areas	Flow through Planters and bio-retention facility (100%)	Maintenance Agreement with Owner	2c	Not Applicable	No	Not required; 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

Project Name Project No.	Project Status[16]	Estimated or Actual Completion Date	Source Control Measures[17]	Site Design Measures[18]	Treatment Systems Approved[19]	Type of Operation & Maintenance Responsibility Mechanism[20]	Hydraulic Sizing Criteria[21]	Alternative Compliance Measures[22/23]	Alternative Certification[24]	HM Controls[25/26]
			water to sanitary sewer							
4821 Tidewater Ave	Approved 4-19-2023	Building Permit Submitted - 2024	Install stenciling at storm drain inlets; cover and enclose trash/recycling storage areas to prevent storm water run-on and run-off and connect any drains to sanitary sewer; discharge covered trash, food waste and outdoor wash areas to sanitary sewer; discharge fire sprinklers water to sanitary sewer; incorporate sustainable landscaping techniques	direct roof runoff and driveways and/or uncovered parking lots onto vegetated areas	Bioretention ponds (100%)	Maintenance Agreement with Owner	2c	Not Applicable	No	Not required; not located in susceptible area
3419 San Pablo Ave	Approved 11-1-2022	TBD	Storm drain stenciling, plumb interior floor drains to sewer; discharge fire sprinklers and air conditioning water to sanitary sewer; incorporate sustainable landscaping techniques	Self-treating areas, self-retaining areas, direct roof runoff and runoff from sidewalks, walkways, and/or patios to vegetated areas, use permeable surfaces	Bioretention facilities (100%)	Maintenance Agreement with Owner	2c or 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

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

Project Name Project No.	Project Status[16]	Estimated or Actual Completion Date	Source Control Measures[17]	Site Design Measures[18]	Treatment Systems Approved[19]	Type of Operation & Maintenance Responsibility Mechanism[20]	Hydraulic Sizing Criteria[21]	Alternative Compliance Measures[22/23]	Alternative Certification[24]	HM Controls[25/26]
121 E 12th Street	Approved 11-30-2022	Building Permit Submitted – 2025 TBD	Install stenciling at storm drain inlets; plumb interior and parking garage floor drains to sanitary sewer; cover and enclose trash/recycling areas, prevent storm water run-on and run-off, and connect drains to sewer; provide sink/other areas connected to grease interceptor prior to sewer, and clean indoors or outdoors to prevent stormwater run-on and run-off; discharge air conditioning fire sprinkler test water to on-site vegetated areas or sewer	Minimize land disturbance and impervious surfaces; cluster development; direct roof from sidewalks, walkways, and/or patios runoff onto vegetated areas, and/or direct runoff from driveways and/or uncovered parking lots onto vegetated areas; use permeable surfaces	Bioretention area (100%)	Maintenance Agreement with Owner	2c	Not Applicable	No	Not required; not creating more than 1 acre and not located in susceptible area
BCZ Liberation Park / Residences at Liberation Park	Approved 1-27-2023	TBD	Install stenciling at storm drain inlets; plumb interior and parking garage floor drains to sanitary sewer; cover and enclose trash/recycling areas, prevent storm water run-	Direct roof runoff from sidewalks, walkways, and/or patios runoff onto vegetated areas, and/or direct runoff from driveways and/or uncovered parking lots onto vegetated areas;	Flow through Planters and Bio-treatment Areas (100%)	Maintenance Agreement with Owner	3	Not Applicable	No	Not required; not located in susceptible area

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

Project Name Project No.	Project Status[16]	Estimated or Actual Completion Date	Source Control Measures[17]	Site Design Measures[18]	Treatment Systems Approved[19]	Type of Operation & Maintenance Responsibility Mechanism[20]	Hydraulic Sizing Criteria[21]	Alternative Compliance Measures[22/23]	Alternative Certification[24]	HM Controls[25/26]
			on and run-off, and connect drains to sewer; provide sink/other areas connected to grease interceptor prior to sewer, and clean indoors or outdoors to prevent stormwater run-on and run-off; discharge air conditioning fire sprinkler test water to on-site vegetated areas or sewer; use sustainable landscape practices	use permeable surfaces						
Kingdom Builders - Senior and Supportive Housing	Approved 5-16-2023	TBD	Plumb interior floor drains and garage drain to sanitary sewer; discharge air conditioning and fire sprinkler test water to vegetated areas or sanitary sewer; incorporate sustainable landscaping practices; discharge architectural copper rinse water to sanitary sewer	Use self-treating or self-retaining areas (bioswale and cistern); plant or preserve receptor trees; direct roof runoff into cistern or rain barrels and reuse for irrigation or other non-potable use.	Bio-swale, Bioretention basin, Cistern and Receptor Trees (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; not located in susceptible area

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

Project Name Project No.	Project Status[16]	Estimated or Actual Completion Date	Source Control Measures[17]	Site Design Measures[18]	Treatment Systems Approved[19]	Type of Operation & Maintenance Responsibility Mechanism[20]	Hydraulic Sizing Criteria[21]	Alternative Compliance Measures[22/23]	Alternative Certification[24]	HM Controls[25/26]
820 West MacArthur Blvd	Approved 5-16-2023	Building Permit Submitted – 2025 TBD	Install stenciling at storm drain inlets; plumb interior floor drains to sanitary sewer; cover and enclose trash/recycling areas and design these areas to prevent storm water run-on and run-off into trash area, and connect drains to sewer; discharge air conditioning, boiler and rooftop equipment, and fire sprinkler test water to on-site vegetated areas or sewer; sustainable landscaping practices	Minimize land disturbance and impervious surfaces; cluster development; use micro-detention, including distributed landscape-based detention; use self-treating or self-retaining areas; minimize stormwater runoff by directing roof runoff, runoff from sidewalks, walkways, and/or patios onto vegetated areas, and constructing sidewalks, walkways, and/or patios with permeable surfaces.	Bio-retention planters (100%)	Maintenance Agreement with Owner	3	Not Applicable	No	Not required; not creating more than 1 acre; post impervious surface not exceeding pre-impervious surface
Stanford Medicine Sutter Health Cancer Center	Approved 6-21-2023	Building Permit Submitted-2025 TBD	Plumb interior floor drains to sanitary sewer; discharge air conditioning and fire sprinkler test water to on-site vegetated areas or sewer; use sustainable landscaping practices,	Minimize land disturbance and impervious surfaces; cluster development; Use self-treating or self-retaining areas; direct roof runoff, runoff from sidewalks, walkways, and/or patios, and runoff from driveways and/or uncovered	Bio-retention planters (100%)	Maintenance Agreement with Owner	1b	Not Applicable	No	Not required; post impervious surface not exceeding pre-impervious surface and not located in susceptible area

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

Project Name Project No.	Project Status[16]	Estimated or Actual Completion Date	Source Control Measures[17]	Site Design Measures[18]	Treatment Systems Approved[19]	Type of Operation & Maintenance Responsibility Mechanism[20]	Hydraulic Sizing Criteria[21]	Alternative Compliance Measures[22/23]	Alternative Certification[24]	HM Controls[25/26]
				parking lots onto vegetated areas						
300 27th	Approved 11-10-2022	Building Permit Issued - 2024	Install stenciling at storm drain inlets; incorporate sustainable landscape practices;	Minimize land disturbance; cluster development; direct runoff to flow-through planters;	Bio-retention (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
Samuel Merritt University Oakland Campus	Approved 8/1/2022	TBD	Install stenciling at storm drain inlets; plumb interior and parking garage floor drains to sanitary sewer; cover and enclose trash/recycling areas, prevent storm water run-on and run-off, and connect drains to sewer; provide sink/other areas connected to grease interceptor prior to sewer, and clean indoors or outdoors to prevent stormwater run-on and run-off; discharge air conditioning fire sprinkler test water to on-site vegetated areas or sewer; use sustainable	Direct roof runoff to vegetated areas	Contech Filter (100%)	Maintenance Agreement with Owner	2c	Not Applicable	No	Not required; not creating more than 1 acre; not located in susceptible area

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

Project Name Project No.	Project Status[16]	Estimated or Actual Completion Date	Source Control Measures[17]	Site Design Measures[18]	Treatment Systems Approved[19]	Type of Operation & Maintenance Responsibility Mechanism[20]	Hydraulic Sizing Criteria[21]	Alternative Compliance Measures[22/23]	Alternative Certification[24]	HM Controls[25/26]
			landscape practices							

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

Project Name Project No.	Approval Date[27]	Date Construction Scheduled to Begin or Date of Completion	Source Control Measures[28]	Site Design Measures[29]	Treatment Systems Approved[30]	Operation & Maintenance Responsibility Mechanism[31]	Hydraulic Sizing Criteria[32]	Alternative Compliance Measures[33/34]	Alternative Certification[35]	HM Controls[36/37]
Public Projects – No public Regulated Projects were approved in FY 2022-2023 –										
Comments: The Mosswood Community Center Project was entered into this form in the FY 2020-2021 Annual Report. Construction began in July 2023.										

[27] For public projects, enter the plans and specifications approval date.
[28] 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.
[29] 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.
[30] 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.).
[31] 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.
[32] 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).
[33] 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.
[34] 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.
[35] Note whether a third party was used to certify the project design complies with Provision C.3.d.
[36] If HM control is not required, state why not.
[37] 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), biodetention unit(s), regional detention basin, or in-stream control).

C.3.h.v.(2). ►Table of Newly Installed[38] Stormwater Treatment Systems and Hydromodification Management (HM) Controls (Optional) –

Fill in table below or attach your own table including the same information. **Guidance: The table is intended to provide a list of all newly installed treatment measures and HM controls to vector control agencies on an annual basis before submission of the Annual Report (i.e., September 30). Countywide Programs (or in some cases, individual Permittees) will submit these tables to vector control agencies to fulfill this requirement. A copy of the communication to Vector Control should be included in the Permittee or Countywide Annual Report (see C.3.h.v.(2). List of Newly Installed Stormwater Treatment Systems and HM Controls). If the communication to Vector Control is not submitted in the Countywide Annual Report, individual Permittees must submit their communication to Vector Control in this section. The facility name, address, responsible party and type of treatment/HM control should be provided for all facilities installed during this fiscal year. Do not leave any cells blank.**

Name of Facility	Address of Facility	Party Responsible[39] For Maintenance	Type of Treatment/HM Control(s)
See attached letter to Alameda County Mosquito and Vector Control District (Attachment C.3.2)	See attached letter to Alameda County Mosquito and Vector Control District (Attachment C.3.2)	See attached letter to Alameda County Mosquito and Vector Control District (Attachment C.3.2)	See attached letter to Alameda County Mosquito and Vector Control District (Attachment C.3.2)

[38] "Newly Installed" includes those facilities for which the final installation inspection was performed during this reporting year.
[39] State the responsible operator for installed stormwater treatment systems and HM controls.

C.3.e.v.Special Projects Reporting Table – City of Oakland

Reporting Period – July 1 2022 - June 30, 2023

Project Name & No.	Permittee	Address	Application Submittal Date[40]	Status[41]	Description[42]	Site Total Acreage	Total Impervious Surface Created / Replaced[43] (ft^2)	Gross Density DU/Acre	FAR	Special Project Category[44]	# of DUs in each AMI Category for Category C	LID Treatment Reduction Credit Available[45]	List of LID Stormwater Treatment Systems[46]	List of Non-LID Stormwater Treatment Systems[47]
1431 Franklin (Office)	City of Oakland	1431 Franklin St	8/17/2020	Appealed Plans 2-13-2022	27-story, 419,000 sf office tower	0.48	20,428	NA	20	Category A Location: Downtown Create/ replace less than .5 acres Not auto related project 85% lot covered Category B N/A Category C Location: Within ¼ mile of transit hub Non-auto related project Over minimum density	NA	Category A Total credit = 100% Category B N/A Category C Total credit = 100% Within ¼ mile of transit hub = 50% Density: >6.0 FAR = 30% No surface parking = 20%	NA	Storm Filter (100%) 20,428 Project to comply with the ACCWP technical guidance manual TAPE/GULD

[40] 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.
[41] 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.
[42] Type of project (commercial, mixed-use, residential), number of floors, number of units, type of parking, and other relevant information.
[43] 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).
[44] For each applicable Special Project Category, list the specific criteria applied to determine applicability. For each non-applicable Special Project Category, indicate n/a.
[45] 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.
[46] 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.
[47] 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.

1431 Franklin (Residential)	City of Oakland	1431 Franklin St	8/17/2020	Appealed Plans 12-15-2022	40-story building with 381 units including 38 verry low-income units	0.48	19,907	656 units/ acre	NA	Category A Location: Downtown Create/ replace less than .5 acres Not auto related project 85% lot covered Category B N/A Category C Location: Within ¼ mile of transit hub Non-auto related project Over minimum density	Not a Cat C project	Category A Total credit = 100% Category B N/A Category C NA	NA	Storm Filter (100%) 19,907 sf Project to comply with the ACCWP technical guidance manual TAPE/GULD
Noodle Factory	City of Oakland	419 4th St	9/15/2020	Approved Plans 9-26-2022	Eight-story building with 101 units and 1,675 sf of commercial space	0.32	13,984	216 Units/ acre	NA	Category A Location: Downtown 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 Planter (50%)	Mechanical Treatment (50%) 7,000 sf Project to comply with the ACCWP technical guidance manual TAPE/GULD
5976 and 5998 Telegraph Avenue	City of Oakland	5976 and 5998 Telegraph Ave	10/25/2021	Approved Plans 10-25-2021	4-story, 23-unit town home building.	0.57	21,167	40.35 units/ acre	NA	Category A N/A Category B N/A Category C Location: Within planned Priority Development Area (PDA) Non-auto related project Over minimum density	Submitted and Approved Prior to MRP 3.0 Total DUs: Above Moderate-19 Moderate: 4	Category A N/A Category B N/A Category C Total credit = 55% Within planned PDA = 25% Density: >2.0 FAR = 10% No surface parking = 20%	Bio-retention Planters (55%)	Storm filters (45%) 13,777 sf Project to comply with the ACCWP technical guidance manual TAPE/GULD

International Station Phase III	City of Oakland	1815 105th Avenue (10550 International Blvd)	10/28/2021	Approved Plans 8-15-2022	6-story buildings with 210-low-income units.	1.08	37,085	188 units/ acre	NA	Category A N/A Category B N/A Category C Location: Within planned PDA Non-auto related project Over minimum density	Submitted and Approved Prior to MRP 3.0 Total DUs: Low: 210	Category A N/A Category B N/A Category C Total credit = 75% Within planned PDA = 25% Density: >6.0 FAR = 30% No surface parking = 20%	Bio-retention Planters (100%)	NA
Villa Fruitvale	City of Oakland	3751 International Blvd	2/24/2022	Approved Plans 7-27-2022	6-story building with 4,380 square-feet of ground floor commercial space and 199 residential units.	0.88	38,055	210 units/ acre	NA	Category A N/A Category B Location: Located in a CBD, D-BV-1, D-BV-2, D-LM-2, CN-1, CN-2, CN-3, RU-5, or S-15 zone Create 0.5-2.0 acres impervious surface Non-auto related project 85% lot covered Over minimum density Category C Location: Within ½ mile of existing transit hub Non-auto related project Over minimum density	Submitted and Approved Prior to MRP 3.0 Total DUs: Low: 98 Very Low:101	Category A N/A Category B Total Credit=100% Density:> 100 units per acre=100% Category C Total credit = 100% Within ¼ mile of existing transit hub= 50% Density: >6.0 FAR = 30% No surface parking = 20%	Flow-through planters (100%)	NA

Dr. Kenneth Anderson Senior Living	City of Oakland	1003 East 15th St	4/20/2022	Approved Plans 8/12/2022	5-story residential building with 68 low-income affordable units and above ground parking for the church	0.56	22,559	121.4 units/ acre	NA	Category A N/A Category B Location: Located in a CBD, D-BV-1, D-BV-2, D-LM-2, CN-1, CN-2, CN-3, RU-5, or S-15 zone Create 0.5-2.0 acres impervious surface Non-auto related project 85% lot covered Over minimum density Category C N/A	Not a Cat C Project	Category A N/A Category B Total Credit=100% Density:> 100 units per acre=100% Category C N/A	Bio-retention Planters (25%)	Media filters (75%) 22,559 sf Project to comply with the ACCWP technical guidance manual TAPE/GULD
3419 San Pablo Ave	City of Oakland	3419 San Pablo Ave	9/25/2022	Approved Plans 9/26/2022	7-story building with 60 affordable units and approximately 1,386 square feet of ground floor commercial space.	0.347	11,576	172 units/ acre	NA	Category A N/A Category B N/A Category C Location: Within planned PDA Non-auto related project Over minimum density	Submitted and Approved Prior to MRP 3.0 Total DUs: Low: 60	Category A N/A Category B NA Category C Total credit = 75% Within planned PDA= 25% Density: >100 units/ acre = 30% No surface parking = 20%	Bioretention facilities (100%)	NA
121 E 12th Street	City of Oakland	121 E 12th Street	9/29/2022	Approved Plans 8/15/2022	6-story building with 91low to very low-income units	0.45	15,237	202 units/ acre	NA	Category A N/A Category B N/A Category C Location: Within planned PDA Non-auto related project Over minimum density	Submitted and Approved Prior to MRP 3.0 Total DUs: Low: 56 Very Low: 35	Category A N/A Category B NA Category C Total credit = 75% Within planned PDA= 25% Density: >100 units/ acre = 30% No surface parking = 20%	Bioretention area (100%)	NA

Kingdom Builders - Senior and Supportive Housing	City of Oakland	7954 MacArthur Blvd	12/30/2022	Approved	5-story building with 40 very low-income senior units and 1,248 sf of ground commercial area	0.197	6,960	203 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 and Approved Prior to MRP 3.0 Total DUs: Low: 12 Very Low: 19 Extremely Low: 8	Category A N/A Category B NA Category C Total credit = 75% Between ¼ mile and ½ mile of existing transit hub= 25% Density: >100 units/ acre = 30% No surface parking = 20%	Bio-swale, Bioretention basin, Cistern and Receptor Trees (100%)	NA
820 West MacArthur Blvd	City of Oakland	820 West MacArthur Blvd	1/9/2023	Approved Plans 11-11-2020	5-story building with 166 units	0.52	16,407	319 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 and Approved Prior to MRP 3.0 Total DUs: Above Moderate:115 Moderate: 51	Category A N/A Category B NA Category C Total credit = 75% Between ¼ mile and ½ mile of existing transit hub= 25% Density: >100 units/ acre = 30% No surface parking = 20%	Bio-retention planters (100%)	NA
Derby Studios	City of Oakland	2956 International Blvd	6/29/2022	Approved Plans 4-1-2021	5-story residential building with 100 low-income affordable units	0.56	17,684	178.6 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 and Approved Prior to MRP 3.0 Total DUs: Low: 100	Category A N/A Category B NA Category C Total credit = 75% Between ¼ mile and ½ mile of existing transit hub= 25% Density: >100 units/ acre = 30% No surface parking = 20%	Flow through Planters and bio-retention facility (100%)	NA

3050 International Blvd	City of Oakland	3050 International Blvd	5/16/2019	Approved Plans 9/4/2019	5-story building with 76 low and very low-income units and a 13,589 sf Health Care and Cultural Center ground floor space	0.75	30,239	101 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 and Approved Prior to MRP 3.0 Total DUs: Low: 47 Very Low 28	Category A N/A Category B NA Category C Total credit = 75% Between ¼ mile and ½ mile of existing transit hub= 25% Density: >100 units/ acre = 30% No surface parking =20%	Flow-through Planter (75%)	Storm filter (25%) 24,428 sf Project to comply with the ACCWP technical guidance manual TAPE/GULD
BCZ Liberation Park/ Residences at Liberation Park	City of Oakland	6955 Foothill Blvd	11/23/2023	Approved Plans 10/26/2022	6-story building with 119 units for low, very-low and extremely low incomes, 3-story 34,841 square-foot commercial market hall, cultural performance space, co-working and office	1.31	58,209	97.5 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 and Approved Prior to MRP 3.0 Total DUs: Low: 24 Very Low: 94	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%	Flow through Planters and Bio-treatment Areas (100%)	NA
Samuel Merritt University Oakland Campus	City of Oakland	525 12th T5 at 11th Street between Clay and Broadway	12/21/2021	Approved	12-story, 226,289 sf civic building for a 1,250 student campus	0.55	28,759	N/A	9.1	Category A N/A Category B Location: Located Downtown Create 0.5-2.0 acres impervious surface Non-auto related project 85% lot covered Over minimum density Category C N/A	Not a Cat C Project Not a residential project	Category A N/A Category B Total Credit=100% Density:> 100 units per acre=100% Category C N/A	N/A	Contech filters (75%) 28,029 sf Project to comply with the ACCWP technical guidance manual TAPE/GULD

4207 Broadway	City of Oakland	4207 Broadway	12/10/2018	Assigned	5-6-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
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

1919 Webster	City of Oakland	1919 Webster	1/25/2022	Under Review	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 Over minimum density Category C N/A	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
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 Category C 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
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

3801 Telegraph	City of Oakland	3801 Telegraph	7/8/2022	Assigned/ Under Review	7-story building with 110 units and 1,900 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	Assigned/ Under Review	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
1523 Harrison	City of Oakland	1523 Harrison	10/6/2022	Assigned/ Under Review	20-story high-rise with 269 units and 750 sq ft ground floor commercial	0.475	15,814	260 units/ acre	N/A	Category A Location: Downtown 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	Stormfilter (100%) 15,814 sf Project to comply with the ACCWP technical guidance manual TAPE/GULD

430 Broadway	City of Oakland	430 Broadway	3/28/2023	Assigned/ Under Review	6-story building with 71 units and 2,300 sf ground floor commercial	0.7	19,355	144 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 SB 35/ SB330 Vesting Project Total DUs: Low: 70	Category A N/A Category B NA Category C Total credit = 65% Within a PDA= 25% Density: >60 units/ acre = 20% No surface parking = 20%	Flow through Planters (35%)	Media Filter (65%) 12,974 sf Project to comply with the ACCWP technical guidance manual TAPE/GUILD

Special Projects Narrative –

1431 Franklin St – Office – Project is a Cat C project which allows the project to take a 100% reduction. Building takes up the entire site, minimal open space planters are inadequate size for the drainage area.
1431 Franklin St – Residential – Project is a Cat C project which allows the project to take a 100% reduction. Building takes up the entire site, minimal open space planters are inadequate size for the drainage area.
Noodle Factory – Project is a Cat A project which allows the project to take a 100% reduction. However, the project is only taking a 50% credit. The rest of the run-off will be treated via bio-retention planters. Building takes up the entire site, need to treat the podium level and there is minimal space at the ground level and inadequate size for the drainage area.
5976 & 5998 Telegraph – Project is a Cat C project which allows the project to take a 55% reduction. However, the project is only taking a 45% reduction. The rest of the run-off will be treated via bio-retention planters. Building takes up most of the entire site, minimal open space planters are inadequate size for the drainage area.
Dr. Kenneth Anderson Senior Living – Project is a Cat B project which allows the project to take a 100% reduction. However, the project is only taking a 75% credit. The rest of the run-off will be treated via bio-retention planters. The building takes up almost the entire site to maximize the units, and the project is entirely affordable to low incomes.
3050 International- Project is a Cat C Special Project. The building takes up the entire site to maximize the units, and the project is entirely affordable to low and very low incomes. The project is allowed a 75% LID credit. However, the project is only taking a 25% credit for the podium level. The rest of the run-off (roof) will be treated via flow through planters.
Samuel Merritt University Oakland Campus-The project is a Cat B project which allows the project to take a 100% reduction. The building takes up the entire site and minimal open space planters are inadequate size for the drainage area.
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.
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.
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.
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.

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.
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.

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

Project Name and Location[48]	Project Description	Status[49]	GI Included?[50]	Description of GI Measures Considered and/or Proposed or Why GI is Impracticable to Implement[51]
EXAMPLE: Storm drain retrofit, Stockton and Taylor	**Installation of new storm drain to accommodate the 10-yr storm event**	**Beginning planning and design phase**	**TBD**	**Bioretention cells (i.e., linear bulb-outs) will be considered when street modification designs are incorporated**
See Attachment C.3.1				

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

Project Name and Location[52]	Project Description	Planning or Implementation Status	Green Infrastructure Measures Included
EXAMPLE: Martha Gardens Green Alleys Project	**Retrofit of degraded pavement in urban alleyways lacking good drainage**	**Construction completed October 17, 2015**	**The project drains replaced concrete pavement and existing adjacent structures to a center strip of pervious pavement and underlying infiltration trench.**
See Attachment C.3.1			

[48] List each public project that is going through your agency's process for identifying projects with green infrastructure potential.
[49] Indicate status of project, such as: beginning design, under design (or X% design), projected completion date, completed final design date, etc.
[50] Enter "Yes" if project will include GI measures, "No" if GI measures are impracticable to implement, or "TBD" if this has not yet been determined.
[51] Provide a summary of how each public infrastructure project with green infrastructure potential will include green infrastructure measures to the maximum extent practicable during the permit term. If review of the project indicates that implementation of green infrastructure measures is not practicable, provide the reasons why green infrastructure measures are impracticable to implement.
[52] List each planned (and expected to be funded) public and private green infrastructure project that is not also a Regulated Project as defined in Provision C.3.b.ii. Note that funding for green infrastructure components may be anticipated but is not guaranteed to be available or sufficient.

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[53]	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.

[53] 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 City of Oakland (City) vetted and prioritized its list of industrial and commercial businesses requiring stormwater inspections.
    a. The Business Stormwater Inspection Program had 3,035 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).
    b. 675 businesses were culled from the list after they were determined to be permanently closed, or to not meet the criteria for business stormwater inspections.
    c. The 2,132 remaining businesses on the inspection list were prioritized for inspection so that higher risk facilities such as Industrial General Permit sites and non-IGP industrial sites were inspected, as well as automobile repair businesses that had not been inspected since August 2019 when invoicing began for the business inspection program. Most of these inspections have been completed. Remaining inspections will be prioritized for the 2023-2024 fiscal year.
    d. Restaurants that had not been inspected since August 2019 were also prioritized for inspection if they were likely to handle cooking Fats, Oils, and Grease (FOG). Most of these inspections have been completed. Remaining inspections will be prioritized for the 2023-2024 fiscal year.
    e. Initial inspections of cannabis businesses found that many did not meet the stormwater inspection program criteria because they were entirely indoors with no outdoor operations or risk of stormwater pollution. The list of 216 cannabis businesses will be vetted in fiscal year 2023-2024 so that only businesses with stormwater pollution potential will be listed for inspection.
    f. Approximately 400 businesses (including cannabis mentioned above) are queued for an evaluation of suitability for inspection. Those that screen in will be inspected in 2023-2024, which will complete the inspection cycle for the list.
3. The City began closer collaboration with the Alameda County Public Health Department which also inspects restaurants that handle 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.
4. The City collaborated closely with the Water Board, referring 21 businesses to the Industrial General Permit program, and conducting joint inspections at several facilities.
5. The City initiated conversations with the Alameda County Green Business Network to explore leveraging their business certification program to help educate businesses and ensure compliance with requirements for stormwater pollution prevention, waste management, and other environmental ordinances. Businesses with low stormwater pollution potential, like small coffee shops, that are certified as a Green Business, may also be considered for a City self-certification program instead of invoiced inspections. This concept will be further explored in fiscal year 2023-2024.

6. The City initiated conversations with the East Bay Municipal Utility District (EBMUD) to align City inspector guidance with EBMUD sanitary sewer discharge regulations at businesses.
7. The City updated 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.
8. The City worked to implement 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.
9. The City worked to train inspectors to provide clear, concise, complete and actionable comments in inspection reports. For instance, rather than say "*recommend* secondary containment for used oil container," as was common in the past, inspectors are now trained to say "*install* secondary containment for used oil container and send photo documentation within 10 days to BSIP@oaklandca.gov." This communication style is resulting in much higher rates of corrections by the businesses and communications of the corrections to the City.
10. The City updated its inspection fees.
11. The City updated its business stormwater inspection public information on its website and website of Best Management Practices for Stormwater Pollution Prevention for businesses.
12. Routine stormwater inspections are conducted annually by an environmental consultant and Oakland Fire Department (OFD) Hazardous Materials Inspectors.
    a. OFD inspectors are typically assigned to inspect automotive related businesses.
    b. The consultant is typically assigned inspections of industrial facilities, non-automotive commercial facilities, and complaint-triggered inspections.
    c. City of Oakland Public Works Watersheds Division staff conduct enforcement follow up actions and refer follow up inspections to the consultant or OFD inspector.
13. 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.
14. 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.

15. City staff participated in the Alameda Countywide Clean Water Program (ACCWP) Industrial & Illicit Discharge Committee (covers MRP Provisions C.4 and C.5).

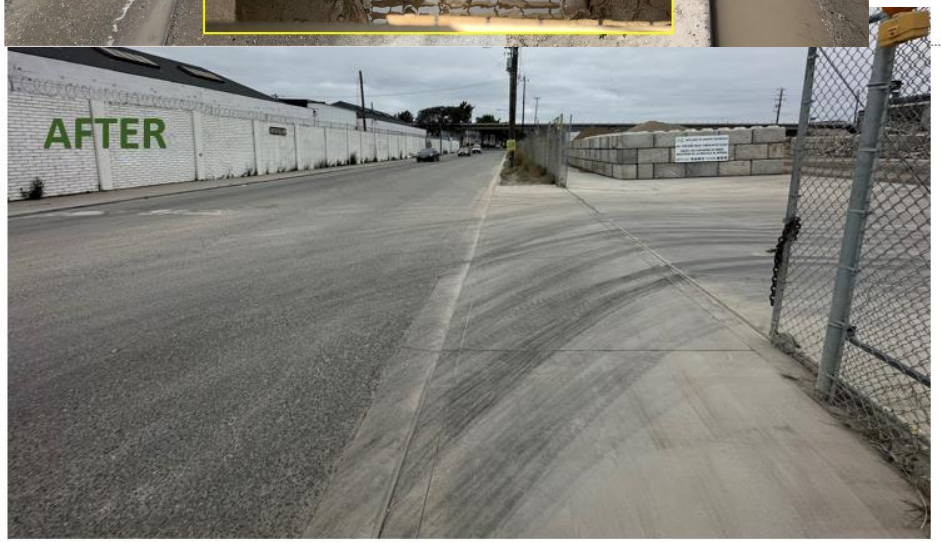
16. Example success story: complaint of FOG discharge to creek from a restaurant. The inspector documented FOG violations as well as violations in trash, recycling, and compost procedures and foodware distribution. The City coordinated with the Alameda County Health Department, which also inspected and required corrective acions. The restaurant corrected all violations and sent photos of the corrections to the City.

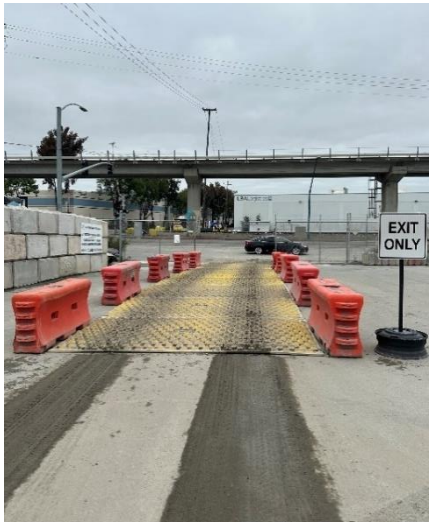
17. Example success story: complaint inspection at an industrial facility documented illegal discharge of sediment to the storm drain. City instruction to the facility and inspection compelled the company to establish sediment tracking controls and procedures to prevent illegal discharge, and to clean sediment from the storm drain.

Before cleaning sediment in storm drain

After storm drain cleaned

Cleaning equipment and clean inlet grate





Sediment cleared, and sediment tracking controls installed at truck exit

C.4.b.iii.(1) ► Business License Applications

Provide a brief description below of which Permittee entity or entities are responsible for reviewing and approving business license applications, or provide a link to your website for business license applications.
The City of Oakland Business Tax Office reviews and approves business licenses. The website to apply for business licenses and or to obtain more information is https://www.oaklandca.gov/services/apply-for-a-business-license-online.

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.

	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 at each site.

	Number
Total number of inspections conducted (C.4.d.iii.(1)(a))	918
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))	87

Comments:

All actual discharges have been corrected. 20 businesses are still in the process of correcting their 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. Follow-up inspections are planned for 2023-2024 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)[54]	**Number of Enforcement Actions Taken**
Level 1	Verbal Warning	0
Level 2	Warning Notice	110
Level 3	Administrative Action w/ Monetary Fines	0
Level 4	Referral to the City and/or County District Attorney's Office	0
Total		110

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[55]	**Number of Actual Discharges**	**Number of Potential Discharges**
Auto repair	3	17
Building Materials Store	1	0
Construction Operations	0	2
Food Production	0	2
Food Service	1	1
Gas Station and Car Wash	1	0
Liquor Store	0	3
Manufacturing	2	16
Market	0	11
Other	0	10
Recycling	0	6

[54]Agencies to list specific enforcement actions as defined in their ERPs.
[55]List your Program's standard business categories.

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[55]	Number of Actual Discharges	Number of Potential Discharges
Restaurant	3	18
Transportation	1	4
Trucking	2	4
Warehousing and Distribution	0	2

Summary:

All actual discharges were cleaned up and addressed with BMPs. They primarily consisted of spills.

Most potential discharges were from insufficient secondary containment of hazardous materials, or insufficient waste management, or distribution of prohibited food ware or packaging such as single use plastic take out bags. Most have been addressed, and those that have not are being enforced against.

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
ACCWP IIDC Stormwater Inspector Training Workshop: Collaboration and Resources	2/23/2023	Alameda County District Attorney's office mobile business enforcement strategy and case studies; U.S. Fish & Wildlife inspector on case studies of illicit discharges to creeks; Inspector resources for implementing MRP 3.0 requirements	2	25%	1	25%

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
City of Oakland Business Stormwater Inspection Program in person training – hosted by City of Oakland	8/23/2022	Introductions and access for business inspections, use of inspection app, waste and recycling laws, hands on inspections	6	75%	1	25%

Comments: The City of Oakland with its Business Stormwater Inspection consultant WSP, has developed a standard PowerPoint training overview of the program. New inspectors are given a copy of the PowerPoint slides as well as a recording of the training. Then new inspectors shadow seasoned inspectors for a few days before conducting inspections on their own.

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.

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.

In these ways, there is constant program improvement and training.

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 perform inspections and enforcement of incidents identified by complaints and field-identified issues. Resources such as aerial maps, sewer sheets, and Geographic Information System (GIS) are readily available to staff and enable them to quickly and accurately locate the source of illicit discharges. Additionally, City staff use mobile technological resources such as cell phones and tablet computers, mobile applications, and GIS maps to aid in expediting the inspection process. In addition, the City of Oakland Public Works (OPW) Department - Maintenance staff and equipment are available to assist in more complex investigation of storm drain infrastructure.

City staff in the OPW – Storm Drainage Maintenance Division conduct inspection, monitoring, and maintenance of the storm drain collection system. The City also conducts inspections of survey/screening point locations (creeks and flood control channels) to enhance the storm collection system screening program. In addition, City staff participates 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. 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 (creeks, estuary, lakes such as Lake Merritt, and the San Francisco Bay).

A summary of maintenance conducted in the FY 2022-2023 reporting period on the City's storm drain system by City staff is shown below.
The City of Oakland's work order data was impacted when the ransomware attack happened. Therefore, the data below is incomplete and does not reflect all the maintenance conducted in FY 2022-2023.

Maintenance Activity	Work Conducted
Inspect and Clean Storm Drain Inlets	5,626 inlets
Clean Stormwater Pipes	14,000 linear feet
CCTV Stormwater Pipes	6,683 linear feet
Inspect/Service Pump Stations Twice Monthly (8 pump stations)	38 inspections

Maintenance Activity (continued)	Work Conducted (continued)
Service/Maintain Trash collection devices	• 20 storm drain inlet baskets • 230 inlet screens • 106 weirs • 22 storm drain grates replaced • 11 full trash capture units
Emergency Point Repairs of Stormwater Pipe	12
Maintain/Service Street Gutter, Public Drainage Swales and V-Ditches	7887 linear feet
Resolve Clogged Storm Drain Incidents	457 incidents

See Provision C.5 Illicit Discharge Detection and Elimination section of the ACCWP FY 2022-2023 Annual Report for a summary and description of activities at the countywide and/or regional level.

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))	34
Discharges reaching storm drains and/or receiving waters (C.5.d.iii.(1)(b))	12
Discharges resolved in a timely manner (C.5.d.iii.(1)(c))	34

Comments:
During FY 2022-2023, 34 illicit discharge incidents were reported to the City. The 34 illicit discharge 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)	12
Unresolved (discharge observed, but no source was identified)	1
Actual Illicit Discharge to Storm Drain System or Nearby Receiving Water	12[56]

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

The illicit discharges listed above do not include Hazardous Materials responses conducted by the Oakland Fire Department (OFD) 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 policies that implement standard operating procedure (SOP) and protocols that require staff to respond to reported discharges within 24-48 hours from the time the incident is reported. Response to reported discharges are prioritized by the type/volume of material discharged and the location of the discharge (e.g., discharges close to highly sensitive areas). 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) training requirements under 29 Code of Federal Regulations (CFR) 1910.120 (q). In addition, it 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 CA RWQCB and are not included in this Annual 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 Infrastructure Maintenance Division personnel, to clean up the discharge if possible. 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: https://www.oaklandca.gov/topics/encampment-management-team. In FY 2022-2023, the City worked on improving the City's procedures for responding to and resolving encampment-related complaints of illegal discharges to storm drains and/or waterways. Improved procedures will be implemented in FY 2023-2024.

3. Watershed and Stormwater Management (WSM) staff continue to 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 continue to provide, for distribution, an informational flyer about proper wastewater disposal for Oakland residents living in recreational vehicles (RVs). This flyer, produced in English, Spanish, and Chinese is being distributed to Oakland RV residents by City of Oakland social services, cleanup, and parking enforcement staff.

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))	3

Summary of the enforcement actions taken against mobile businesses during the reporting year (C.5.e.iii.(2)(c)).

These three mobile business inspections are not included in the Spill and Discharge Complaint Tracking data reported above. These three mobile businesses were inspected as part of our C4 Business Stormwater Inspection Program.

One business that was both a mobile car washing and car washing facility was found to be discharging wash water from onsite drains to weep holes then into street/storm drains. The City required the business to immediately cease discharge of wash-down water to the storm drain and install a system to ensure wash water is captured. The business complied and provided photos and documentation on drainage structures to ensure that none are connected to the storm drain system via weep holes. The other two businesses did not require enforcement action.

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[57]	**Number Inspected**[58]

[57] Including, but not limited to, automobile washing, vehicle fueling, power washing, steam cleaning, graffiti removal, and carpet cleaning.
[58] The number of each type of mobile business inspected

Automobile washing	2
Automobile repair	1

Section 6 – Provision C.6 Construction Site Controls

C.6.e.iii.(3)(a), (b), (c), (d) ►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)
48	18	1	14	130

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. In addition to inspecting hillside, CGP, and high priority sites, we inspected an additional 15 other sites for a total of 146 C.6 inspections in FY 2022-2023. These additional inspections were in response to complaints to ensure compliance with the City's stormwater pollution prevention requirements. The number is not as high as the previous year possibly due to awareness in the community.

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

	Enforcement Action (as listed in ERP)[59]	**Number Enforcement Actions Issued**
Level 1[60]	Verbal or Very Minor Issue Noted in Inspection Report	18
Level 2		0
Level 3	Stop Work Order issued	4
Level 4	Legal Action in court	1
Total		**23**

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)	22

Comments: 22 enforcement actions were corrected within 10 days, and 1 was corrected within 30 days.

Guidance: Do not leave any cells blank. Provide an explanation for enforcement action(s) or discrete potential and actual discharges not resolved within 10 days or otherwise deemed resolved in a longer but still timely manner. Potential and actual discharges are the problems tracked using illicit discharge and the six BMP categories according to C.6.e.ii.(4)(f).

[59]Agencies should list the specific enforcement actions as defined in their ERPs.
[60]For example, Enforcement Level 1 may be Verbal Warning.

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

Training Name	Training Dates	Topics Covered	Total Number of Inspectors (both municipal and non-municipal staff)	Intentionally Left Blank	No. of Inspectors in Attendance (both municipal and non-municipal staff)
Updated Development Requirements for (MRP) 3.0	5/16/2023	Construction Site Stormwater Program enhancements	2		2

Comments:
C.6 training was not provided in FY 22-23, although the ACCWP C.3 workshop on May 16, 2023, included a presentation on the Construction Site Stormwater Program enhancements required by C.12.g.ii (3) and (4). See the Section C.3 of the ACCWP FY 22-23 Annual Report for more information.

C.6.e.iii.(3)(a), (b), (c), (d) ►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)
3	0	0	3	16

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

Guidance: Do not leave any cells blank. 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)[61]	**Number Enforcement Actions Issued**
Level 1[62]	Verbal Warning for Spill cleanup, SDI protection updates, and disposal of rubble needed; generally corrected immediately	8
Level 2		0
Level 3		0
Level 4		0
Total		**8**

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.

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)	8

Comments: One corrective action took longer than 10 days but fewer than 30 days. Seven of the enforcement actions were corrected within 10 days.

[61] Agencies should list the specific enforcement actions as defined in their ERPs.
[62] 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 Inspectors (both municipal and non-municipal staff)		No. of Inspectors in Attendance (both municipal and non-municipal staff)
Not applicable	Not applicable	Not applicable	N/A		N/A

Resident Engineers and Construction Management Inspectors receive periodic training at staff meetings on stormwater pollution prevention every year. Note that 18 City of Oakland staff attended the Joint CCCWP and ACCWP C.6 Construction Stormwater Training Workshop that was held on 3/30/22. The MRP states "Permittees shall provide training at least every other year to staff responsible for conducting construction site stormwater inspections." The ACCWP will offer another formal C.6 training in FY 2023-2024 and City of Oakland will send staff responsible for conducting and/or overseeing construction site stormwater inspections.

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.

The table below shows a summary of local outreach efforts. Also, see Section C.7 of the Alameda Countywide Clean Water Program (ACCWP) FY 2022-2023 Annual Report.

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	Sum the total countywide and local C.7.a campaigns. **Total = 18**				
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**				
City-wide volunteer event days outreach campaigns – for Creek to Bay Day, MLK Jr Day of	Target Audience is people who live, work and play in Oakland. The promotion of these City-wide volunteer events through social media and a	**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
Service, and Earth Day	combination of digital and print advertising have three purposes: to invite participation in the 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**				
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	**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
	e-newsletters, and on social media. Oakland's Adopt a Spot program supports volunteers in their efforts to clean and green Oakland's parks, creeks, shorelines, storm drains, streets, trails, and other public spaces.					
ACCWP Social Media Campaigns See the ACCWP FY 2022-2023 Annual Report for details.	• Stormwater/Storm Drain Awareness; • Watershed Awareness • Litter • Hire Certified Less Toxic Pest Contractors • OWOW Resources • Pick-up Pest Waste • Coastal Cleanup • HHW Mercury Bulbs • Fishing Advisories • Car Washing • Health Gardening	**12**				
C.7.c. Public Outreach and Citizen Involvement Events	Describe public outreach and citizen involvement events conducted	**Total = 27**				
Local Events	Oakland Creek to Bay September 17, 2022: Local event including cleanups at Oakland neighborhood, creek and shoreline sites. Over 1,000 volunteers removed 11,550 gallons	**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
	of trash from sites across Oakland.					
	Martin Luther King Jr. Day of Service, January 16, 2023: Local event including cleanups at Oakland neighborhood, creek, and shoreline sites. 740 volunteers removed 8,380 gallons of trash from sites across Oakland.	**1**				
	Oakland Earth Day, April 22, 2022: One-day citywide cleanup event including cleanups at Oakland neighborhood, creek, and shoreline sites. Over 1,500 volunteers removed 23,520 gallons of trash from sites across Oakland.	**1**				
ACCWP Outreach	Alameda County Fair	**24**				
C.7.d. Watershed Stewardship Collaboration	Describe watershed stewardship efforts.	**Total = 44**				
Local collaboration	City staff collaborates on watershed stewardship with **the Friends of Sausal Creek (FOSC).** City staff provide planning and	**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
	technical assistance for the group's 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 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**				
	Courtland Creek Park community clean up and engagement events. The City partnered with the	**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
	Oakland Parks and Recreation Foundation, the Friends of Courtland Creek, and two local schools to host three events with an emphasis on watershed stewardship at Courtland Creek Park. Community volunteers removed trash from the park and learned about the City's upcoming restoration project.					
Local collaboration (continued)	City staff collaborates on watershed stewardship with the **Measure DD Community Coalition.** 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	**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
	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."					
Local collaboration (continued)	The City supports the **San Leandro Creek Alliance** efforts to protect the San Leandro Creek watershed. The City plans to continue tracking this group's efforts and will provide input on plans for restoration and a greenway along San Leandro Creek if requested.	**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,	**11**				

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
	and non-governmental organizations.					
Local collaboration (continued)	Participated in the **City and Port of Oakland inter-jurisdictional coordination** monthly 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, East Bay Municipal Utility District, California Department of Transportation, Union Pacific Railroad, and an active Oakland Adopt a Spot volunteer.	**6**				
ACCWP Collaboration	**Bringing Back the Natives** Online and In-Person Garden Tours sponsored content: Rain gardens, rainwater catchment, less toxic gardening.	**2**				

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.e. School-Age Children Outreach	Describe school outreach activities conducted.	**Total: 196**				
ACCWP Outreach	Caterpillar Puppets K-3rd grade education.	**50**				
ACCWP Outreach	Kids for Bay 3rd-5th grade education Storm Drain Rangers.	**85**				
ACCWP Outreach	Livermore Area Recreation and Parks District Watershed Jr. Ranger 4th-5th grade education.	**40**				
Local Outreach	Lake Merritt Institute School Outreach. Program. 399 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 about impacts of urban runoff	**11**				

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
	on the lake and lake wildlife, people, and history.					
C.7.f. Outreach to Municipal Officials	Describe outreach conducted to municipal officials.	**Total: 1**				
Local Outreach	City of Oakland WSM staff provided information about the City's efforts to reduce stormwater pollution to Oakland City Council members and the public through one staff report in FY 2022-2023. In April 2023, WSM presented an informational report on trash compliance including the City's trash management actions and their effectiveness in reducing trash from reaching waterways.	**1**				

C.7.g.iii.(2) ► Reporting - Stormwater Pollution Prevention Education				
Is your agency maintaining a website (or referring to a regional website) to provide information on stormwater issues, watershed characteristics, and stormwater pollution prevention approaches?	X	**Yes**		**No**
If no, explain:				
Local stormwater point of contact phone number(s)	**To Report A Problem** Call OAK 311, From outside Oakland: (510) 615-5566 311.oaklandca.gov OAK311@oaklandca.gov Mobile app: Apple or Android 510 238-6600 – contact for Watershed staff			
Local/Regional stormwater website(s)	www.oaklandcreeks.org oaklandadoptaspot.org – for volunteer opportunities https://cleanwaterprogram.org/			
Outreach: Oak311 contact is publicized through our Oaktown PROUD anti-illegal dumping outreach program described above in C.7.a. See the Countywide Program's C.7 Public Information and Outreach section of the ACCWP FY 2022-2023 Annual Report for efforts conducted by the countywide program to publicize stormwater points of contact (e.g., program website, hotline, outreach materials, etc.).				

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**

If no, explain:

(For FY 22-23 Annual Report only) Provide links to IPM policies or ordinances and IPM standard operating procedures:
https://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[63]

Pesticide Category and Specific Pesticide Active Ingredient Used	**Amount**[64] **of Active Ingredient**				
	FY 22-23	**FY 23-24**	**FY 24-25**	**FY 25-26**	**FY 26-27**
Organophosphates	None Reported				
Active Ingredient Chlorpyrifos	None Reported				
Active Ingredient Diazinon	None Reported				
Active Ingredient Malathion	None Reported				
Pyrethroids (see footnote #2 for list of active ingredients)	None Reported				

[63] Includes all municipal structural and landscape pesticide usage by employees and contractors.
[64] 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.

Active Ingredient Type X	None Reported				
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**
Active Ingredient Type Y	None Reported				
Carbamates					
Active Ingredient Carbaryl	None Reported				
Active Ingredient Aldicarb	None Reported				
Indoxacarb	None Reported				
Diuron	None Reported				
Diamides					
Active Ingredient Chlorantraniliprole	None Reported				
Active Ingredient Cyantraniliprole	None Reported				
Neonicotinoids					
Active Ingredient Imidacloprid	None Reported				
Active Ingredient Acetamiprid	None Reported				
Active Ingredient Dinotefuran	None Reported				
Fipronil	None Reported				
Reasons for increases in use of pesticides that threaten water quality: Not applicable					
IPM Tactics and Strategies Used:					

The City of Oakland works with both City staff and the City's pesticide application contractor, Omega Termite and Pest Control, to implement the following Integrated Pest Management (IPM) tactics and strategies to reduce the use of hazardous pesticides throughout the City:

1. Omega Termite and Pest Control is IPM-certified by Green Pro and provides the following services to the City:
   - Review and evaluate pesticide materials application reports to evaluate pesticide application use trends, to determine alternate methods of pest management, and to eliminate the use of more hazardous pesticides.
   - Abide by City ordinance and policy, and the Municipal Regional Stormwater Permit pesticide prohibitions and exhortations.
   - Respond to City oversight and feedback of review of pesticide application records. Modify and correct procedures as required.
   - Avoid pesticide use through proper site management and notifying City Facilities management staff of where to block rodent entry points to buildings and how to implement sanitary practices that minimize and contain food waste and other pest attractants, etc.
   - Evaluate the need for pesticide application by using small insect and rodent pest detection and monitoring devices.
   - Minimize pesticide application by use of non-chemical methods for pest management such as ant glue strips, mouse and rat traps, and bait stations.
   - Use natural pest deterrents such as coyote urine.
   - Use soap wipe downs to deter pest infestation.
   - Use less toxic pesticides such as insect growth regulators and inorganics.
2. 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 used only a small amount of pesticides of concerns.

Currently, staff in PTSD and KOCB, are not using products that contain glyphosate, 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 and 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.	12
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:

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 29, 2022. Additionally, staff may elect to take additional trainings through the Pesticide Applicators Professional Association (PAPA), safety meetings, and continuing education hours both online and in-person classes.

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 their 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.

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**

If your municipality contracted with any pesticide service provider, briefly describe how contractor compliance with IPM Policy/Ordinance and SOPs was monitored

The City notifies its contractor providing pesticide control, Omega Termite and Pest Control, of all City of Oakland IPM Ordinances and Resolutions. These are posted at www.oaklandca.gov/topics/integrated-pest-management-policies.

The contractor is an IPM-certified (or equivalent) pesticide applicator (Contractor's Green Pro certificate is included as Attachment C.9.1).

City and Pest Control Contractor staff meet prior to and at the completion of periodic site visit/inspections to identify issues and problem areas. The pest control contractor then inspects the site, recommends measures to control detected pest problems, and applies pesticides as deemed appropriate.

The pest control contractor provides the City with a Service Summary Report with the monthly invoice for work performed.

The reports may include, but are not limited to the following information:

- 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

City staff reviews the Service Summary Reports submitted with monthly invoices.

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) located at 7101 Edgewater Drive in Oakland, California on December 16, 2022. The site visit/inspection included the annual facility inspection, a review of record keeping, and issuance of the City's spray permit.

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

Also, refer to the Alameda Countywide Clean Water Program (ACCWP) FY 2022-2023 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**

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 the ACCWP FY 2022-2023 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 the ACCWP FY 2022-2023 Annual Report for information on point of purchase public outreach conducted countywide and regionally.

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

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

Summary:

See the C.9 Pesticides Toxicity Control section of the ACCWP FY 2022-2023 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 2022-2023, we participated in regulatory processes related to pesticides through contributions to ACCWP and the California Stormwater Quality Association (CASQA). For additional information, see the Regional Report prepared by CASQA, which is included as a supplement to the ACCWP FY 2022-2023 Annual Report.

Section 10 – Provision C.10 Trash Load Reduction

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 Trash Reduction in All Trash Management Areas (TMAs) due to **Full Trash Capture Systems** (as reported C.10.b.i)	11.5%
Percent Trash Reduction in all TMAs due to **Control Measures Other than Full Trash Capture Systems** (as reported in C.10.b.iii)[65]	56.8%
Percent Trash Reduction due to **Jurisdictional-wide Source Control Actions[66]** (as reported in C.10.b.v)	--
Subtotal for Above Actions	**68.3%**
Trash Offsets (Optional)	
Offset Associated with Additional Creek and Shoreline Cleanups (as reported in C.10.f.i)	9.5%
Offset Associated with Direct Trash Discharges (as reported in C.10.f.ii)	15%
Total (Jurisdiction-wide) % Trash Load Reduction through FY 2022-23	**92.8%**

Discussion of Permittee Trash Load Reduction and the Load Reduction Calculation:

- **Full Capture Systems (11.5%):** No additional full capture systems were installed in FY 2022-2023. Collectively, the systems/devices installed to-date treat over 1,220 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 (56.8%):** In addition to full capture systems, the City continued to implement numerous trash reduction controls in FY 2022-2023 (see Citywide Summary below). A total of 776 OVTAs were conducted by the City in FY 2022-2023. See Attachment C.10.2 for a map that illustrates baseline trash generation and locations of OVTA sites assessed in FY 2022-2023.

[65] See Appendix 10-1 for changes between 2009 and FY 22-23 in trash generation by TMA as a result of Full Capture Systems and Other Measures.
[66] 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 2022-23 even though load reduction credit is no longer allowed for these trash control measures.

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

- **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 465,000 gallons of trash were removed from local waterways during FY 2022-2023 through these creek/shoreline cleanup efforts of City staff and volunteers. See Attachment C.10.3 for a summary of creek and shoreline cleanup totals.
- **Direct Discharge (15%):** On April 9, 2019, 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 2022-2023 as part of its Direct Discharge Plan is included in Attachment C.10.4. A total of 7,223 cubic yards (CYs) of trash within 500 feet of waterways were removed in FY 2022-2023 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.

  Please note: In August 2023, the Water Board's Executive Officer approved the City's Updated Direct Discharge Plan. The actions included in the Updated Direct Discharge Plan will be implemented in FY 2023-2024 and reported in the City's FY 2023-2024 Annual Report.

Planned Actions for FY 2023-2024

In FY 2023-2024, 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 continue to refine the priority locations of future trash capture devices to direct the use of Measure Q funding (up to $1 million per year for services to address water quality and related litter reduction, including the installation of full capture systems). By June 30, 2025 the City will install approximately 1,882 full trash capture devices:
  - Install 1 hydrodynamic separator unit in the Ettie Street watershed in collaboration with Caltrans.
  - Install 1 hydrodynamic separator unit in the Cary Avenue watershed in collaboration with Caltrans.
  - Install approximately 1,200 connector pipe screens on very-high, high, and moderate trash generating areas as part of the 3-Year Paving Program.
  - Install approximately 250 connector pipe screens as part of the Sewer Rehabilitation Program.

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

  - Install approximately 80 connector pipe screens as part of various Capital Improvement Program projects.
  - Install 350 connector pipe screens using Measure Q funds.
- Implement the education and outreach campaign—Oaktown PROUD: Prevent and Report Oakland's Unlawful Dumping.
- 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).
- Begin 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.
- Continue implementing a trash inspection program to address trash on Private Land Drainage Areas (PLDAs).

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 2022-23, and prior to FY 2022-23, 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 2022-23		
None	--	--
Installed Prior to FY 2022-23		
Catch Basin Inserts - Connector Pipe Screens/Baskets (Public)	197	245.5
High-flow Capacity Systems - Gross Solids Removal Device (Public)	2	27.7
High-flow Capacity Systems - Hydrodynamic Separator Units (Public)	10	927.0
Multi-benefit Full Capture Systems - Low Impact Development (Public)	4[61]	18.4
Multi-benefit Full Capture Systems - Tree Wells (Public)	6	1.2
Total for all Devices or Systems Installed To-date	**219**	**1,219.8**
Treatment Acreage Required by Permit (Population-based Permittees)		**228**
Total # of Systems Required by Permit (Flood Management Agencies)		**N/A**

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 any trash control measures implemented or caused to be implemented, including full trash capture systems and/or trash discharge control actions equivalent to or better than full trash capture systems.

Summary of Implementation Actions and 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, known as "Private Land Drainage Areas" (PLDAs), the City has started a PLDA Trash Inspection Program (TIP) in coordination with its C.4 Commercial/Industrial Facilities Inspection Program. Through the TIP, inspections are performed on PLDAs. Property owners and managers are required to clean up any trash observed on the public right of way around their property and to implement practices on their property to prevent trash dispersal to the right of way. Trash control measures may include regular active trash removal, ensuring trash containers lids are functioning and closed, 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.

The City has identified approximately 600 potential PLDAs >10,000 ft^2. Inspection have been conducted on a portion of these PLDAs. The City plans to identify the remaining PLDAs <10,000 ft^2 and continue inspections on PLDAs in FY 2023-2024. The City is prioritizing PLDA inspections at commercial/industrial facilities that are also included on the City's list of high priority C.4 facilities and those that are believed to generate the greatest levels of trash.

Additional details on the TIP will be provided in the City's FY 2023-2024 Annual Report. Please note that trash load reductions reported in this FY 2022-2023 Annual Report do not include reductions associated with the City's TIP because the City's trash load reduction data management system is currently being updated to include reductions observed via the TIP.

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

Provide the following:

1) Jurisdiction-wide trash reduction in FY 22-23 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 22-23 that exhibited significant plugged/blinded screens or were ≥50% full when inspected or maintained;
4) A narrative summary of any maintenance issues and the corrective actions taken to avoid future 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 ≥ 50% full in FY 22-23	Summary of Maintenance Issues and Corrective Actions
1	3.3%	219	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 in most cases to avoid clogging or flooding issues. The City has not had any maintenance issues or corrective actions in FY 2022-2023.
2	1.7%			
3	0.0%			
4	0.0%			
5	0.1%			
6	0.5%			
7	2.1%			
8	1.4%			
9	0.3%			
10	0.1%			
11	1.0%			
12	1.0%			
13	0.0%			
14	0.0%			
15	0.0%			
16	0.0%			
Total	**11.5%**			

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

Did your agency provide the names and locations of new and existing full trash capture systems to the County vector control agency for FY 2022-23?	**X**	**Yes**		**No**		**N/A**

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 or jurisdictional source controls that were implemented within each TMA, 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	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.10.5 for a map of Oakland's TMAs. **Street Sweeping** 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.10.6 (also available online here). To enhance performance above its baseline street sweeping levels, the City has implemented many control measures since 2009: • 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 broom sweepers. • 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. • 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 2022-2023 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 2022-2023 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.

Planned actions in FY 2023-2024 to improve the performance of the Street Sweeping Program include:

- 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 interactive 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.

On-Land Cleanup

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.

Creek and shoreline sites and storm drain inlets can also be adopted and are described below in this report. In FY 2022-2023, citywide, volunteers contributed 90,465 on-land clean-up volunteer hours at adopted spots and parks. The City estimates that these volunteers removed about 1,049,500 gallons of trash.

The table below describes changes in on-land clean-up volunteer participation activities since 2010. There has been a 106% net increase in volunteer hours since 2010. The table excludes Martin Luther King Jr Day of Service, Earth Day and Coastal Cleanup Day results. 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.

See Attachment C.10.7 for the map of over 600 confirmed active adopted spots and parks (if they adopt a median, the data are collected under the "park" category). The map also includes 201 adopted spots within 500 feet of a waterway where volunteers often clean up beyond the creek bank area. There were 105 new spots adopted in FY 2022-2023. Of these 105 spots, 24 are Adopt a Creek sites.

Indicator	2010	FY 2022-2023	% Change Since FY 2010
Volunteer Hours (on-land clean-ups at adopted spots, parks, and medians & community events)	44,000	90,465	106% Increase in hours.
No. of On-Land Events (on-land clean-ups at adopted spots, parks, medians & community events)	1,109	6,031	444% Increase in the number of events.

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 2013-2014 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, and in FY 2022-2023 volunteers adopted 149 new storm drains, bringing the total number to 1,687, an 853% increase in adopted drains since the online registration program was initiated in 2013. This translates to regular debris and trash removal for 12.7% 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. See Attachment C.10.8 for a map of Adopt a Drain locations. A summary of the Adopt a Drain Program data is provided in the following tables:

FY 2021-2022 Metrics	FY 2022-2023 Results
New Adopted Storm Drain Inlets	149
# Storm Drain Cleaning Events	11,809
# Volunteer Hours	17,714

Total Storm Drains Adopted by June 30, 2013	Total Storm Drains Adopted by June 30, 2022	Total Storm Drains Adopted by June 30, 2023	% Increase Since 2013
177	1,538	1,687	853%

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 2022-2023 (see Section C.10.b.1 for a summary of full capture systems maintenance). The City of Oakland's work order data was impacted from a ransomware attack and only 7 months of data was collected in FY 2022-2023 (no data 11/15/2022-4/19/2023) Therefore, the data below is incomplete and does not reflect all the maintenance conducted in FY 2022-2023. See Section C.5 for further information on storm drain inlet cleaning.

Maintenance Activity	Work Conducted
Inspect and Clean Storm Drain Inlets	5,626 inlets
Clean Stormwater Pipes	14,000 linear feet
CCTV Stormwater Pipes	6,683 linear feet
Inspect/Service Pump Stations Twice Monthly (8 pump stations)	38 inspections
Service/Maintain Trash collection devices	• 20 storm drain inlet baskets • 230 inlet screens • 106 weirs • 22 storm drain grates replaced • 11 full trash capture units
Emergency Point Repairs of Stormwater Pipe	12
Maintain/Service Street Gutter, Public Drainage Swales and V-Ditches	7,887 linear feet
Resolve Clogged Storm Drain Incidents	457 incidents

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 2022-2023 Annual Report for a summary of related outreach activities. **Illegal Dumping Abatement** A summary of illegal dumping abatement activities is provided in the Direct Discharge Plan Progress Report (see Attachment C.10.4). **Homeless Encampment Abatement** A summary of homeless encampment abatement activities is provided in the Direct Discharge Plan Progress Report (see Attachment C.10.4). **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. 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. **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. For example, The Montclair Village Association BID provides weekly sidewalk and gutter sweeping resulting in 5 to 20 lbs. of litter removal per week (260 to 1,040 lbs. per year). In 2022, the Jack London BID picked up over 61,000 lbs. of litter. 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 2022-2023, 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. The City's Environmental Services Division sent two polystyrene warning letters and five straw ban warning letters in FY 2022-2023 (see Attachment C.10.9 for a sample Disposable Food Service Ware Ordinance warning letter).
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 in each TMA (or control measure area), including the street miles or acres available for assessment (i.e., those associated with VH, H, or M trash generation areas not treated by full capture systems), the street miles or acres assessed, the % of available street miles or acres assessed, and the average number of assessments conducted per site within the TMA; and
2) Percent jurisdictional-wide trash reduction in FY 22-23 attributable to trash management actions other than full capture systems implemented in each TMA; OR
3) Indicate that no on-land visual assessments were performed.

If no on-land visual assessments were performed in a TMA, check here **and state why:** [X] **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[67] 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	7.6	10%	5.9	17.8%
2	22.3	2.7	12%	6.2	6.1%
3	31.7	4.4	14%	6.0	3.0%
4	1.3	0.4	35%	6.0	0.0%
5	31.9	4.4	14%	6.0	3.3%
6	16.2	1.8	11%	6.0	0.0%
7	34.7	3.7	11%	6.2	3.3%
8	7.9	0.6	8%	5.7	3.3%
9	27.7	3.0	11%	6.0	4.7%
10	9.7	1.4	15%	6.1	1.3%
11	42.6	5.0	12%	6.0	0.3%
12	78.7	7.9	10%	6.8	4.6%
13	8.7	2.1	24%	6.4	0.7%
14	9.0	1.0	11%	6.6	8.4%
15	0.0	NA	NA	NA	NA
16	6.7	1.4	21%	6.1	0.1%
	Total	**47.6**	**12%**	**--**	**56.8%**

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: https://reusablebagsac.org/.	See Section C.10 of the ACCWP FY 2022-2023 Annual Report.	See Section C.10 of the ACCWP FY 2022-2023 Annual Report.	NA[68]
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 2023-2023 Annual Report. In addition, see C.10.b.ii (PART A) Facility Inspections and Control for a descriptions of the City's expanded polystyrene ban inspections and enforcement program, and Attachment C.10.9 for a sample Disposable Food Service Ware Ordinance warning letter.	See Sections C.10 of the ACCWP FY 2022-2023 Annual Report. In addition, see C.10.b.ii (PART A) Facility Inspections and Control for a descriptions of the City's expanded polystyrene ban inspections and enforcement results from FY 2022-2023, and Attachment C.10.9 for a sample Disposable Food Service Ware Ordinance warning letter.	NA

[67] Street miles are defined as the street length and do not include street median curbs.
[68] 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 2022-23 even though load reduction credit is no longer allowed for these trash control measures.

C.10.d ►Long-Term Trash Load Reduction Plan

State (Y/N) if your agency met the 90% compliance benchmark and is submitting an updated Long-term Trash Load Reduction Plan in accordance with Permit Provision C.10.d.ii.

Did your agency **meet the 90% compliance benchmark** as of June 30, 2023 without the use of source control credits or creek/shoreline cleanup and direct discharge control offsets?		**Yes**	X	**No**		**N/A**
If your agency **checked "No" above**, did your agency develop an updated Trash Load Reduction Plan and submit it as an attachment to this Annual Report?	X	**Yes**		**No**		**N/A**

If your agency **checked "Yes" above AND significantly revised your Trash Load Reduction Plan**, include a summary of the significant revisions below. Significant revisions include any changes made to primary or secondary trash management areas (TMAs), baseline trash generation maps, control measures, or time schedules identified in your Plan. Indicate whether your trash generation map was revised and, if so, what information was collected to support the revision. If your map was revised, attach it to your Annual Report or provide a link to the map.

Summary Descriptions of Significant Revisions Made to 2014 Trash Load Reduction Plan	**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) 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 (Optional)

Provide a summary description of creek and shoreline cleanups conducted at a minimum frequency of twice per year, and sufficient to demonstrate sustained improvement of the creek or shoreline area, the volume of trash removed, and the offset claimed in FY 22-23. Provide the number and frequency of cleanups conducted, locations and cleanup dates.

Offset Program	Summary Description of Actions and Assessment Results	Volume of Trash (CY) Removed/Controlled in FY 22-23	Offset (% Jurisdiction-wide Reduction)
Additional Creek and Shoreline Cleanups (Max 10% Offset)	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). 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. 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. The City recorded 90,465 volunteer hours citywide in FY 2022-2023 for its "Adopt a Spot," community cleanups, and citywide events programs. Of those total volunteer hours, 19,698 hours were spent on creek and shoreline cleanup events in FY 2022-2023. The table below provides information on the creek and shoreline cleanup program and its growth from 2010 to present:	2,305 cubic yards (465,723 gallons)	9.5%

Indicator	2010	FY 2022-2023	Change from 2010	% Increase from 2010
Volunteer Hours (Creek Only)	10,079	42,210	+32,131	+314%
No. of Adopt a Creek Events	229	5,628	+5,399	+23.6%

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

Provide a summary description of creek and shoreline cleanups conducted at a minimum frequency of twice per year, and sufficient to demonstrate sustained improvement of the creek or shoreline area, the volume of trash removed, and the offset claimed in FY 22-23. Provide the number and frequency of cleanups conducted, locations and cleanup dates.

	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 2022-2023 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. Attachment C.10.3 provides a summary of gallons removed and volunteer hours from the various cleanup efforts. This includes: ● Adopt a Creek: **422,273 gallons** ● Citywide events Earth Day, Creek to Bay Day, and Martin Luther King Jr. Day of Service at creek/shoreline locations: **43,450 gallons** In total, **465,723** gallons (2,305 cubic yards) of trash were removed through our creek/shoreline cleanup programs. Of this total, 267,030 gallons were directly reported by volunteers. The City used the approved volunteer trash removal rate (11.6 gallons per hour) to calculate the remaining gallons removed (198,123 gallons) based on cleanup events that have only reported volunteer hours. Using the calculation provided in MRP C.10.e.i, this equates to a **9.5%** citywide reduction in trash (i.e., using the 10:1 offset). The City is **claiming a 9.5% offset credit** for these additional creek and shoreline cleanup events that occurred during FY 2022-2023.		

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 22-23. 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.

Offset Program	Summary Description of Actions and Assessment Results	Volume of Trash (CY) Removed/Controlled in FY 22-23	Offset (% Jurisdiction-wide Reduction)
Direct Trash Discharge Controls (Max 15% Offset)	The City submitted its proposed Direct Trash Discharge Control Plan (Direct Discharge Plan) to the Water Board on February 1, 2019. The 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. After revisions to the Direct Discharge Plan based on Water Board staff comments, it was resubmitted for approval. On April 9, 2019, the Water Board's Executive Officer approved the Direct Discharge Plan.	7,223	15%

C.10.f.ii ► Trash Reduction Offsets – Direct Trash Discharge Controls			
	A Progress Report on the actions taken by the City in FY 2022-2023 as part of our Direct Discharge Control Plan is included in Attachment C.10.4. A total of 7,233 CYs (1,459,046 gallons) of trash were removed in FY 2022-2023 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 2022-2023. The Regional Water Board adopted MRP 3.0 in May 2022 which requires Permittees with an existing Direct Discharge Control Program approved during MRP 2.0 (NPDES Permit No. CAS612008, Order No. R2-2015-0049) to submit an updated plan for approval by April 1, 2023, if they intend to continue claiming trash load percent reduction offsets. As such, the City submitted an updated Direct Discharge Plan to the Regional Water Board. The Direct Discharge Plan was approved by the Regional Water Board Executive Officer in August 2023 and will be implemented in FY 2023-24 and reported on in next year's Annual Report.		

Appendix 10-1. Baseline trash generation and areas addressed by full capture systems and other control measures in Fiscal Year 22-23.

TMA	2009 Baseline Trash Generation (Acres)					Trash Generation (Acres) in FY 22-23 After Accounting for Full Capture Systems					Jurisdiction-wide Reduction via Full Capture Systems (%)	Trash Generation (Acres) in FY 22-23 After Accounting for Full Capture Systems and Other Control Measures					Jurisdiction-wide Reduction via Other Control Measures (%)	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	1,249	2,640	380	481	677	1,103	2,640	3.3%	435	1,458	708	41	2,640	17.8%	**21.1%**
2	4	170	101	440	714	110	169	85	350	714	1.7%	225	417	70	2	714	6.1%	**7.8%**
3	52	329	546	28	955	53	329	545	28	955	0.0%	154	776	22	3	955	3.0%	**3.0%**
4	0	141	0	0	141	0	141	0	0	141	0.0%	0	83	58	0	141	0.0%	**0.0%**
5	0	82	740	95	917	8	81	734	94	917	0.1%	38	582	267	30	917	3.3%	**3.3%**
6	0	786	1	23	809	57	751	0	1	809	0.5%	152	507	150	0	809	0.0%	**0.5%**
7	55	858	88	290	1,291	293	727	84	187	1,291	2.1%	353	864	74	1	1,291	3.3%	**5.4%**
8	0	0	38	269	306	97	0	10	199	306	1.4%	138	128	40	0	306	3.3%	**4.7%**
9	22	197	320	226	765	42	197	312	213	765	0.3%	81	615	66	2	765	4.7%	**5.0%**
10	145	169	95	53	462	148	169	95	50	462	0.1%	216	227	18	2	462	1.3%	**1.3%**
11	40	1,101	179	52	1,373	181	1,069	93	29	1,373	1.0%	277	946	145	5	1,373	0.3%	**1.3%**
12	88	647	1,754	100	2,589	263	632	1,594	100	2,589	1.0%	424	1,280	833	51	2,589	4.6%	**5.6%**
13	4	209	144	11	368	4	209	144	11	368	0.0%	9	319	39	0	368	0.7%	**0.7%**
14	0	0	0	568	568	1	0	0	567	568	0.0%	14	321	222	10	568	8.4%	**8.4%**
15	0	0	0	0	0	0	0	0	0	0	NA	0	0	0	0	0	NA	**NA**
16	13,834	178	14	0	14,026	13,834	178	14	0	14,026	0.0%	13,894	126	6	0	14,026	0.1%	**0.1%**
Totals	**14,244**	**5,382**	**4,793**	**3,404**	**27,924**	**1,5471**	**5,133**	**4,387**	**2,932**	**27,924**	**11.5%**	**1,6410**	**8,649**	**2,718**	**147**	**27,924**	**56.8%**	**68.3%**

Note: "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:

See the ACCWP Mercury and PCBs Control Measures Update Report attached to the ACCWP FY 2022-23 Annual Report for updated information on:

- Documentation of mercury control measures implemented in our agency's jurisdictional area for which load reductions will be reported and the associated management areas;
- A description of how the BASMAA Interim Accounting Methodology[69] was used to calculate the mercury load reduced by each control measure implemented in our agency's jurisdictional area (including green infrastructure) and the calculation results (i.e., the estimated mercury load reduced by each control measure);
- Supporting data and information necessary to substantiate the load reduction estimates; and
- For Executive Officer approval, any refinements, if necessary, to the measurement and estimation methodologies to assess mercury load reductions in the subsequent permit.

C.11.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, etc.). Permittees shall submit all supporting data and information including referral reports.

Summary:

See the ACCWP Mercury and PCBs Control Measures Update Report attached to the ACCWP FY 2022-2023 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.

[69] BASMAA 2017. Interim Accounting Methodology for TMDL Loads Reduced, Version 1.1. Prepared for BASMAA by Geosyntec Consultants and EOA, Inc., March 23, 2017.

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

Summary:

See the ACCWP Mercury and PCBs Control Measure Update Report attached to the ACCWP FY 2022-2023 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:

See the ACCWP Mercury and PCBs Control Measure Update Report attached to the ACCWP FY 2022-2023 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:

See the ACCWP Mercury and PCBs Control Measures Update Report attached to the ACCWP FY 2022-2023 Annual Report.

C.11.g ► Fate and Transport Study of Mercury: Urban Runoff Impact on San Francisco Bay Margins

Submit a workplan describing how information needs for the mercury discharge from urban runoff studies will be obtained and describe the studies to be performed with a preliminary schedule. Report on the status of the studies in the FY 22-23 Annual Report.

Summary: See the C.11 Mercury Controls section of the ACCWP FY 2022-2023 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.

A summary of the Alameda Countywide 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 2022-2023 Annual Report.

Section 12 – Provision C.12 PCBs Controls

C.12.a ► 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.

Summary:

See the ACCWP Mercury and PCBs Control Measures Update Report attached to the ACCWP FY 2022-2023 Annual Report.

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

Report progress on the acreage of land areas investigated, including progress toward the 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, etc.). Permittees shall submit all supporting data and information including referral reports.

See the ACCWP Mercury and PCBs Control Measures Update Report attached to the ACCWP FY 2022-2023 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:

See the ACCWP Mercury and PCBs Control Measure Update Report attached to the ACCWP FY 2022-2023 Annual Report.

C.12.c ► 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:

See the ACCWP Mercury and PCBs Control Measure Update Report attached to the ACCWP FY 2022-2023 Annual Report.

C.12.d.iii (1), (2), (3) ► Program for Controlling PCBs from Bridges and Overpasses

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: See the C.12 PCBs Controls section of ACCWP FY 2022-2023 Annual Report for a description of the Caltrans specification.
Submit an inventory of bridges in the program area that includes bridge ownership and the bridge roadway replacement schedule.
See the attached inventory (Attachment C.12.1) of bridges and overpasses in City of Oakland jurisdiction, including ownership and replacement schedule.
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 the implementation of the specification.
Summary: The Caltrans specification was not available to be implemented during FY 2022-2023.

C.12.e.iii (1), (2), (4) ► Program for Controlling PCBs from Electrical Utilities

Does your municipality own an electrical utility? If yes, follow the directions below.		**Yes**	X	**No**
Submit the estimated PCBs loads avoided (along with supporting documentation) resulting from the removal of municipally owned PCBs-containing oil-filled electrical equipment (OFEE) through maintenance programs and system upgrades for the period 2002 to the beginning of this permit term (2023).				
Summary: We do not own OFEE.				

Submit a description of the improved spill response and reporting practices implemented by municipally-owned electrical utilities.
Summary: We do not own OFEE.
Submit a summary of the actions undertaken during the FY 22-23 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 ► Manage PCB-Containing Materials and Wastes During Building Demolition Activities

Permittees seeking exemption from Provision C.12.g requirements based on lack of application structures must submit documentation, such as historic maps or other historic records, that clearly demonstrates that the only structures that existed pre-1980 were single-family residential and/or wood-frame structures.				
Did your agency obtain an exemption from Provision C.12.g requirements?		**Yes**	X	**No**
Discuss enhancements to construction site control programs to minimize the migration of PCBs from demolition activities into the MS4.				
Summary: The City of Oakland will conduct Pre-Con Inspections for demolition projects prior to the commencement of the general demolition. This would be an enhanced effort; pre-con inspections are not required for C.6 projects. The inspection would focus on the preparation of the demolition site and the BMPs planned to be implemented, and general stormwater awareness. The City of Oakland will establish a set of BMP requirements for demolition projects and review Erosion Control Plans to ensure BMPs are included. This enhancement would specify BMPs for projects subject to the PCBs Management Program based on the C.6 BMP categories.				
See the ACCWP FY 2022-2023 Annual Report for: • Documentation of the number of applicable structures in each Permittee's jurisdiction for which a demolition permit was applied for during the reporting year; • 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;				

- The project address, the demolition date, and a brief description of the PCBs-containing materials for each applicable structure with a PCBs concentration 50 mg/kg or greater; and
- 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.

C.12.i ► Fate and Transport Study of PCBs: Urban Runoff Impact on San Francisco Bay Margins

Submit a work plan describing how information needs for the PCBs discharge from urban runoff studies will be obtained and describe the studies to be performed with a preliminary schedule. Report on the status of the studies in the FY 22-23 Annual Report.

Summary:

See C.12 PCBs Controls section of ACCWP FY 2022-2023 Annual Report.

C.12.j ►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.

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.12 PCBs Controls section of ACCWP FY 2022-2023 Annual Report.

Section 13 – Provision C.13 Copper Controls

C.13.a.iii (1), (2), (3) ► Manage Waste Generated from Cleaning and Treating of Copper Architectural Features

Do you have adequate legal authority to prohibit the discharge of wastewater to storm drains generated from the installation, cleaning, treating, and washing of copper architectural features, including copper roofs?	X	**Yes**		**No**

Summary:
Legal authority was certified previously in the FY 2015-2016 Annual Report. No updates have been made.

Provide a summary of how copper architectural features are addressed through the issuance of building permits.

Summary:
The City continues to impose a standard condition of approval for all projects involving new installation and use of architectural copper. The condition of approval is required for projects involving architectural copper and contains Best Management Practice (BMP) information for protecting water quality during construction and post-construction. The standard condition of approval states:

"The project applicant shall implement BMPs concerning 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:

a. If possible, use copper materials that have been pre-patinated at the factory

b. 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:

- Discharge rinse water to landscaped area;
- Collect rinse water in a tank and discharge to the sanitary sewer, with approval by the City; or haul off-site for proper disposal;
- During maintenance activities, protect storm drain inlets to prevent wash water discharge into storm drains; and
- 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.

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.

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.

C.13.b.iii (1), (2), (3) ► Manage Discharges from Pools, Spas, and Fountains that Contain Copper-Based Chemicals

Do you have adequate legal authority to prohibit the discharge to storm drains of water containing copper-based chemicals from pools, spas, and fountains?	X	**Yes**		**No**

Summary:
Legal authority was certified previously in the FY 2015-2016 Annual Report. No updates have been made.

Report how copper-containing discharges from pools, spas, and fountains are addressed to accomplish the prohibition of the discharge.

Summary:
A building permit is required for the installation of a swimming pool and/or hot tub and the discharge must be connected to the sanitary sewer, hauled off-site for proper disposal, or directed to a landscaped area.

The City of Oakland Illicit Discharge Inspectors treat 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 ERP standards for illicit discharges.

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

Summary:
There were no reports of any illicit discharges of copper-containing materials from pools, spas, or fountains in FY 2022-2023, and therefore no enforcement activities related to copper discharges.

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

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

Summary:

The City inspected 46 facilities that are potential users or sources of copper in FY 2022-23. The list of facilities is available upon request. There were some minor violations, which were corrected, for recordkeeping, secondary containment, and lack of IGP coverage. There was one major violation that was corrected. The facility had many drums stored outside without lids or proper cover, some with potentially hazardous materials. There was also an active discharge of a chunky yellow substance into the storm drain. The City required the facility to clean up and ensure drums have lids or are stored indoors. The City required the facility to clean and move all items, besides pallets and empty covered drums, inside or

under permanent cover. A correction email with photos and descriptions showing corrections before the next rain event occurred was sent by the facility to watersheds@oaklandca.gov.

The City radically improved its inspector training program in FY 2022-2023. Some of the improvements include vetting and prioritizing our list of industrial and commercial businesses requiring stormwater inspections, improving our inspection application, and collaborating on joint inspections with other agencies. Many more improvements were made. See Oakland's Annual Report C4 section for the full list.

At all facilities, inspectors are trained to require facilities to implement BMPs designed based on specific pollutants that need to be controlled at the facility. In FY 2022-2023, we did not explicitly train inspectors with BASMAA Pollutants of Concern training materials. In FY 2023-2024, the City will ensure that all inspectors review the Bay Area Stormwater Management Agencies Association (BASMAA) PowerPoint training module entitled Inspecting "Industrial/Commercial Facilities for Pollutants of Concern (POC) Copper (Cu), Mercury (Hg) and Polychlorinated Biphenyls (PCBs)". BMPs specific to the facility type were provided to the business facility owner/operator at the time of the inspection.

Section 15 – Provision C.15 Exempted and Conditionally Exempted Discharges

C.15.b.iii.(3) ► 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 Best Management Practices (BMPs) to prevent stormwater pollution. Bayview Services is contracted by the City to help with spill cleanup and other hazardous materials cleanup. Bayview Services specializes 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 BMPs are in place for stormwater pollution prevention. Industrial facilities are also inspected by the Oakland Fire Department to ensure fire code compliance. Pollution prevention is covered by inspections. Stormwater and OFD are meeting to evaluate containment and cleanup procedures.

Additional information may be found in the Alameda Countywide Clean Water Program (ACCWP) FY 2022-2023 Annual Report.

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 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. Starting in January 2010, Oakland conducted a three-year Rain Barrel Program to place 2,708 rain barrels and cisterns in homes throughout the community. These have the capacity to store more than 400,000 gallons of rainwater, serving to protect creeks, provide irrigation, and reduce flooding. Though the program has been discontinued due to funding expiration, the City continues to promote rainwater capture online at www.oaklandca.gov/projects/rain-barrel-program.

- 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 spaced 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.oaklandca.gov/projects/2030ecap.

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.

The City continues to promote BMPs that:

- Minimize runoff and pollutant loading from excess irrigation
- Promote outreach messages to encourage appropriate watering/irrigation practices

The City promoted "Hire a Certified Eco-Friendly Pest Control Contractor" and "Our Water Our World Free Webinars" countywide outreach campaigns on City Facebook and Instagram accounts and in e-newsletters to the public. More information about these countywide outreach campaigns can be found in the Provision C.7.b.: Outreach Campaigns section of the ACCWP FY 2022-2023 Annual Report.

In FY 2022-2023 the City's Watershed and Stormwater Management Division staffed a public outreach table at an Earth Day event in Courtland Creek Park on April 22. Approximately 40 people attended the event. 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.

Water conservation programs and policies are promoted on the City website at:
www.oaklandca.gov/topics/water-conservation
www.oaklandca.gov/resources/water-conservation-community-resources
www.oaklandca.gov/resources/oakland-policies-on-water-conservation
www.oaklandca.gov/resources/water-conservation-rebates-and-incentive-programs

Information resources for native and drought tolerant plants and landscaping is posted at:
www.oaklandca.gov/resources/vegetation-management-for-creeks.

Information for reducing pesticides in the home and garden is posted at:
https://www.oaklandca.gov/topics/integrated-pest-management-policies#information-for-limiting-pesticide-toxicity-in-the-home-and-garden

Promotion of sweeping, not hosing is posted at:
https://www.oaklandca.gov/topics/pollution-hurts-sweep-dont-hose

Car wash pollution prevention tips are posted at:
https://www.oaklandca.gov/topics/pollution-prevention-best-way-to-wash-your-car

Residential Gray water Irrigation Permit information is posted at:
https://www.oaklandca.gov/services/apply-for-simple-residential-gray-water-irrigation-system-permits

Section 17 – Provision C.17 Discharges Associated with Unsheltered Homeless Populations

C.17.a.iii.(1) ► Regional Best Management Practice Report

(For FY 22-23 Annual Report only) Collectively submit, acceptable to the Executive Officer, a best management practice report as described in Provision C.17.a.i.(2)

Summary:

See the Regional BMP Report submitted by BAMSC on behalf of all MRP Permittees to the Water Board Executive Officer and included in the ACCWP FY 2022-2023 Annual Report.

C.17.a.iii.(2) ► BMP Implementation and Effectiveness Evaluation

(For FY 22-23 and FY 24-25 Annual Reports only) Submit a map identifying the approximate location(s) of unsheltered homeless populations within your jurisdiction, including homeless encampments and other areas where other unsheltered homeless people live.

Summary:

A map showing the count of unsheltered populations by census tract in relation to storm drain inlets and existing streams, rivers, flood control channels, and other surface water bodies within the City's jurisdiction is included in Attachment C.17.1. The map was developed using the point-in-time (PIT) survey count data provided by the County of Alameda from the Alameda County Homeless Count and Survey Comprehensive Report 2022. Due to privacy and safety concerns, and in absence of a relevant approved policy for sharing County PIT data, the County did not provide location data below the census tract level for this publicly available report.

(For FY 22-23 and FY 24-25 Annual Reports only) Report on the best management practices being implemented and include the effectiveness evaluation reporting required in Provision C.17.a.ii.(3) and additional actions or changes to existing actions that the Permittee will implement to improve existing practices.

Summary:

As estimated by the Alameda County 2022 PIT count, Oakland has a total homeless population of roughly 5,055 people, with 3,337 considered unsheltered and 1,718 considered sheltered. At the time the 2022 PIT count was conducted, there were 89 census tracts with a range of 0-8 homeless individuals, and 58 census tracts with a range of 8-272 homeless individuals within Oakland's boundary. These census tracts include areas (e.g., city streets, parks) that are under Oakland's jurisdiction, and other areas (e.g., freeways, expressways, creeks) that are not under Oakland's jurisdiction. The City coordinates within Oakland's departments, with Alameda County Housing and Community Development Department, Caltrans, Union Pacific, BART, and other agencies local non-profits and agencies to provide best management practices (BMPs) and support services to unsheltered populations. For unsheltered populations located in areas that are not under the City's jurisdiction, the City

informs the agency that has jurisdiction over the area. The City of Oakland implements the following BMPs and programmatic efforts to address non-stormwater discharges from unsheltered populations located within the City's jurisdiction.

Homeless Prevention & Support Strategies
The City of Oakland implements various prevention and support strategies and programs including: the Permanent Access to Housing Strategy (PATH), Alameda County Home Together 2026 Community Plan, Strategic Action Plan, the Shelter Crisis Declaration, Keep Oakland Housed and Street Medicine Outreach Teams. See the FY 2022-2023 DDCP Progress Report for more information and metrics from these initiatives.

Internal Coordination
Oakland's Public Works Department and stormwater staff coordinate efforts with the following departments to inform other staff about stormwater requirements and BMPs that help reduce stormwater discharges from unsheltered populations, and offer support services to unsheltered populations: Oakland Human Services Department, Oakland Police Department, Oakland Fire Department, the City Administrator's Office, and other consulted departments as necessary (e.g., the Mayor's Office, the City Attorney's Office, Parks and Recreation). Starting in 2011, the City initiated this multi-department approach and created the Homeless Encampment Management Team (EMT). The EMT meets bi-weekly to focus measures on areas subject to homeless occupation. Duties include: 1) prioritizing homeless encampment clean-ups; 2) coordinating agency resources (illegal dumping crew, homeless social services and fire department personnel) for the clean-up efforts; 3) collaborating with adjacent landowners (such as Caltrans) on encampment prevention and trash removal; and 4) identifying physical barriers.

Coordination & Funding to Non-Profits & Other Agencies
The City of Oakland works with many non-profit organizations to provide housing programs and supportive services to homeless individuals. The City of Oakland currently works with the following service providers to provide various types of housing and service options: Family Bridges, Operation Dignity, Housing Consortium of the East Bay, Building Opportunities for Self-Sufficiency, Saint Vincent de Paul, Youth Spirit Artworks, Building Futures with Women and Children, East Oakland Community Project, Bay Area Community Services, Lao Family, and Vima Harrison. The City of Oakland also works with the following organizations to provide mobile showers, portable toilets, RV safe parking spaces, street outreach, and capacity building: Clean Site, United Services, Project WeHope, Roots Community Health Center, Urban Alchemy, Jeweld Legacy, and TBS Site Services. In 2022, the City of Oakland also executed a two-year agreement with Caltrans to provide litter, bulky waste, and homeless encampment debris removal services in Caltrans' rights of way in Oakland. This work includes 23 locations, totaling 57 sites. See the Oakland Performance Audit for more information.

Homeless Encampment Management
The City of Oakland developed an Encampment Management Policy as part of its PATH Framework. The purpose of this policy is to manage the adverse impacts of homeless encampments, focusing encampment actions on mitigating negative outcomes as they pertain to public safety, public health, and equity outcomes. The policy includes definitions of locations deemed high and low sensitivity (i.e., 50 feet from a playground, within 50 feet of a protected waterway, etc.) and outlines a variety of ways that the Encampment Management Team can intervene to help achieve the goals of the policy. There are currently four active interventions the City takes in regard to an encampment. The interventions include: Closure, Cleaning, Temporary Health & Safety Measures, and Trash/Debris Removal. Oakland prioritizes encampment cleaning operations if an encampment is near a waterway or storm drain.

Illicit Discharge & Illegal Dumping Management
The City of Oakland uses an internal SOP for how to respond to illicit discharges that are reported to be associated with encampments and/or RVs, including cleaning storm drains and addressing human waste discharges. This protocol continues to be adapted as City staff deal with the complexities of encampment management. The City of Oakland also has protocols for addressing illegally dumped materials seven days a week and addresses 85% of service requests within three business days. The City also deploys 14 illegal dumping surveillance camera systems to deter illegal dumping and enforce against dumpers. See the FY 2022-2023 DDCP Progress Report for more information.

Establishing Relationships with Homeless Individuals & Providing Incentives
The City of Oakland partners with a non-profit called Downtown Streets Team to build teams of unhoused individuals to engage in community beautification and clean-up projects. Downtown Streets Team also provides a pathway to recover from homelessness by providing access to case management and employment placement services. The City of Oakland also implements a janitorial leadership development program at encampment sites to address challenges such as portable toilets being damaged and difficult relationships between vendors and site residents. This program includes stipends (in the form of $25 gift cards) and cleaning supplies for individuals to clean the sites. It has proven to be an effective intervention for the successful maintenance of the portable toilets.

Supportive Housing
The City of Oakland implements various efforts to provide supportive housing for unsheltered homeless individuals including emergency shelters, community cabins, trailers, units in existing structures, and providing funding to non-profits. There are currently two City-funded emergency shelters in Oakland: St. Vincent De Paul and East Bay Community Project at Crossroads. These shelters provide 144 beds, daily and year- round. The City also provides six community cabins with a total of 262 beds, and 98 trailers through the HomeBase program. Overall, there are 667 crisis response beds (cabins, trailers, etc.). In May 2022, the City invested in an additional 253 affordable housing units at various locations throughout the City. There are also several non-profits and housing providers that the City provides funding to such as Housing Consortium of the East Bay, Operation Dignity, and Bay Area Community Services. Based on agreements with these organizations, the total number of beds estimated from City-funded efforts for FY 2023-2024 is1,226. This would cover about 36% of the 3,337 unsheltered individuals counted during the 2022 PIT count. Another metric besides the number of beds, is the total number of people served through housing programs. For example, it was estimated that there were 8,683 participants in Oakland's housing programs between 2018-2022. This equals an average of 2,894 individuals per year, which is about 57% of the number of homeless individuals (5,055) counted in 2022. In Oakland's FY 2023-2025 budget there is also $108.5 million allocated to provide new shelter and housing options, and to protect investments that provide services to an estimated 4,000 homeless unsheltered people. For more information about the City's current and future supportive housing efforts, see the 2022-23 DDCP Progress Report and the Oakland Performance Audit.

Encampment Cleanups & Trash Collection

The City of Oakland conducts weekly clean-ups at 77 encampments (current number) across 34 of the 147 census tracts. The locations of garbage removal are publicly posted, along with the days of scheduled pickup and the type of intervention (pile removal, garbage cart service, porta potty, wash stations, abandoned auto). The City also collects trash at other locations around the City in response to homeless related trash and illegal dumping service requests. It is clear that higher volumes of trash and more clean-ups are needed in the western region of Oakland. Cleanups are conducted by the City of Oakland's Public Works Department and Keep Oakland Clean and Beautiful crews. In FY 2022-2023, the City conducted 1,063 cleanup events and removed about 1.9 million gallons of trash from these locations. However, these numbers are likely

about twice as high as about half of the data was lost during a ransomware attack. See the FY 2022-2023 DDCP Progress Report and Attachment C.17.2 for more detailed information.

Toilets & Handwashing Stations

The City of Oakland provides portable toilets and handwashing stations at about half (42) of the formal encampments that also receive weekly trash clean-ups. Portable toilets and handwashing stations are also currently provided at 10 other locations around the City where homeless populations are known to congregate. The City of Oakland is therefore providing hygiene sites/sanitation services at a total of 52 locations and these include 114 portable toilets and 82 hand-washing stations, across 24 census tracts. This comes out to about one portable toilet for every 30 unsheltered individuals and one hand-washing station for every 40 unsheltered individuals. The City provides regular cleaning services at each of these sites three times per week. Hygiene sites can close for various reasons and new ones are installed in high or low priority areas as needed. See Attachment C.17.2, the Regional BMP Report, and the FY 2022-2023 DDCP Progress Report for more detailed information.

Shower & Laundry Services

The City of Oakland partners with Project We HOPE, Roots Community Health Center and Urban Alchemy to provide mobile hygiene services that provides free showers and laundry services in Oakland. In total, there are eight locations served by mobile showers and laundry services, and two locations with mobile shower services. Each four-hour operation session may provide up to 30 showers and up to 14 single loads of laundry. It is estimated that about 2,000 mobile showers are available every year. There are also stationary showers and laundry provided at several community cabins, and RV and safe parking sites. See Attachment C.17.2 and the FY 2022-2023 DDCP Progress Report.

RV Sites & Safe Parking

The City runs four RV parking sites that provide 125 spaces total, and it is assumed that two people can occupy a single space. These four sites include secure parking, sanitary facilities, and garbage services. The City also distributes flyers indicating locations for RV pump-out stations. See Attachment C.17.2, and the FY 2022-2023 DDCP Progress Report for more information.

Conclusion

The City of Oakland provides a wide variety of BMPs, housing services, and support services throughout the City and prioritizes areas with a higher density of unsheltered individuals, such as the western region of the City and near waterways. It is difficult to estimate exactly how many homeless individuals have been impacted by direct and indirect BMPs implemented by the City and through the efforts of other organizations over time, especially due to the transient nature of homeless individuals. This caveat is clear in some of the data that show low PIT counts but a high number of services where weekly clean-ups and sanitation services are clearly needed. Conversely, there are eight census tracts with high PIT counts (70-272 individuals) that currently do not have weekly clean-ups, sanitation services, or parking (4027, 4034.02, 4062.02, 4066.01, 4070, 4220, 4240.02, 4324). Considering the outcomes of the data collected so far, the City plans to implement the following BMPs in FY 2023-2024:

- Enhancing operations and processes for encampment cleaning crews with new positions, equipment, and overtime funding.
- Deploying up to 40 additional portable toilets at homeless encampment locations within 500 feet of a waterway. The remaining half of the established homeless encampments that receive weekly cleaning but do not have sanitation services, will be considered for these services in addition to considering the eight census tracts mentioned above.

- Implementing Illegal dumping abatement programs (i.e., eradicate, enforce, educate) including adding license plate reader cameras to the 14 illegal dumping surveillance camera systems to deter illegal dumping and enforce against dumpers.
- Assigning a high priority ranking to all illegal dumping abatement service requests within 500 feet of a waterway.
- Continuing to increase grants and funding for non-profits and partnerships to provide additional shower and laundry services.
- Adding at least 100 more RV Safe Parking spaces for a total of 225 spaces.
- Beginning implementation of a homeless encampment visual inspection program to acquire more accurate data on the number and location of homeless individuals and encampments including within 500 feet of a waterway and considering the eight census tracts mentioned above.

The City will also be considering the following BMPs in the future that could reduce water quality impacts associated with unsheltered individuals:

- Improved access to RV pump-out services, including mobile pump-out and vouchers
- Incentives to pick up trash programs (trash for cash, etc.)
- Trainings on water quality concerns to organizations that provide support to unsheltered homeless populations

The City of Oakland will continue to implement targeted BMPs and to prioritize BMPs near waterways and storm drains to reduce stormwater discharges from unsheltered populations in the future.

ATTACHMENTS

ATTACHMENTS

ATTACHMENT C.3.1: C.3.j.iii No Missed Opportunities City of Oakland FY 2022-2023: A) Public Projects Reviewed for Green Infrastructure; and (B) Planned and/or Completed Green Stormwater Infrastructure Projects.

ATTACHMENT C.3.2: Letter to Alameda County Mosquito and Vector Control District - September 30, 2023.

ATTACHMENT C.7.1: City of Oakland Summary of Lake Merritt Institute School Outreach FY 2022-2023

ATTACHMENT C.9.1: City of Oakland Contractor IPM Certification(s) or Equivalent

ATTACHMENT C.10.1: City of Oakland Full Trash Capture Maps FY 2022-2023

ATTACHMENT C.10.2: City of Oakland On-Land Visual Trash Assessment Maps FY 2022-2023

ATTACHMENT C.10.3: City of Oakland Summary of Cleanups Used for Creek and Shoreline Offset FY 2022-2023

ATTACHMENT C.10.4: City of Oakland Direct Discharge Plan Progress Report FY 2022-2023

ATTACHMENT C.10.5: City of Oakland Trash Management Areas Map

ATTACHMENT C.10.6: City of Oakland Street Sweeping Frequency Map FY 2022-2023

ATTACHMENT C.10.7: City of Oakland Adopt a Spot Map FY 2022-2023

ATTACHMENT C.10.8: City of Oakland Street Adopt a Drain Map FY 2022-2023

ATTACHMENT C.10.9: City of Oakland Example Disposable Food Service Ware Enforcement Letter FY 2022-2023

ATTACHMENT C.10.9: City of Oakland Excess Litter Location Map FY 2022-2023

ATTACHMENT C.10.10: City of Oakland Long-Term Trash Load Reduction Plan

ATTACHMENT C.12.1: Oakland Bridge Inventory FY 2022-2023

ATTACHMENT C.17.1: City of Oakland Point in Time Count Map FY 2022-2023

ATTACHMENT C.17.2: City of Oakland Unsheltered Homeless Populations BMP Effectiveness Evaluation FY 2022-2023

ATTACHMENT C.3.1

City of Oakland

C.3.j.iii No Missed Opportunities City of Oakland

FY 2022-2023

C.3.j.iii No Missed Opportunities City of Oakland FY 2022-2023
A) Public Projects Reviewed for Green Infrastructure and,
(B) Planned and/or Completed Green Stormwater Infrastructure Projects

A or B	Project Name	Project Location	Brief Project Description	Green Stormwater Infrastructure Included?	Green Stormwater Infrastructure Type(s) Included	June 30, 2023 Status	Why GSI is impracticable if not included
A	14th Ave. Phase I	E 8th St to International Blvd.	Streetscape Improvements. Tree well(s) and potential for medians with landscaping components	No		Design	14. Very constrained site with design conflicts (ADA, fire access, no storm drain nearby, dock repair)
A	14th Ave. Phase III	E19th St. to E27th St.	Streetscape Improvements	No		Design	14. Very constrained site with design conflicts (ADA, fire access, no storm drain nearby, dock
A	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		Pre-Bid	2. Planned and designed before January 2016
A	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		Planning	
A	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		Planning	
A	Branch Library Improvement - Brookfield	9255 Edes Ave.	Improve lighting, carpet, paint, electric/data, interior space conversion	No		Design	12. No alterations to building drainage or site drainage
A	Brookdale Recreation Center	2535 High St	Renovation and expansion of recreation center building and discovery center	Evaluating GSI Potential		Planning	
A	Caldecott Trailhead Improvements (R12 #1001)	North Oakland Sports Field Trailhead	Expand existing trail, ADA parking, tot lot, seating, landscaping	No		Design	17. Impervious trail designed to direct stormwater to adjacent vegetated or other non-erodible permeable areas.
A	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		Design	3. Maintenance/minor construction/striping

C.3.j.iii No Missed Opportunities City of Oakland FY 2022-2023
A) Public Projects Reviewed for Green Infrastructure and,
(B) Planned and/or Completed Green Stormwater Infrastructure Projects

A or B	Project Name	Project Location	Brief Project Description	Green Stormwater Infrastructure Included?	Green Stormwater Infrastructure Type(s) Included	June 30, 2023 Status	Why GSI is impracticable if not included
A	East Bay Greenway	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		Pre-Bid	14. Very constrained site with design conflicts (ADA, fire access, no storm drain nearby, dock repair)
A	Estuary Park (R12 #100085)	115 Embarcadero	Renovation and expansion of existing City Park	Yes	Bioretention facilitie(s)	Design	
A	Mosswood Community Center	3612 Webster Street	New recreation center building and park improvements	Yes	Bioretention facilitie(s)	Bid-Award	
A	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		Planning	
A	Fire Station #4	to be determined	Identify properties for relocation of Fire Station 4	Evaluating GSI Potential		Planning	
A	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 restripping to increase safety	No	Self-retaining areas	Construction	2. Planned and designed before January 2016
A	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)

C.3.j.iii No Missed Opportunities City of Oakland FY 2022-2023
A) Public Projects Reviewed for Green Infrastructure and,
(B) Planned and/or Completed Green Stormwater Infrastructure Projects

A or B	Project Name	Project Location	Brief Project Description	Green Stormwater Infrastructure Included?	Green Stormwater Infrastructure Type(s) Included	June 30, 2023 Status	Why GSI is impracticable if not included
A	Lake Merritt to Bay Trail	Lake Merritt to Bay Trail	Spanning from Lake Merritt Channel to the Oakland Waterfront Bay Trail	ON HOLD	TBD	ON HOLD	
A	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 (https://www.oaklandca.gov/projects/lake-merritt-bikeway)	Yes	Bioretention facilitie(s)	Design	
A	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	Evaluating GSI Potential		Design	
A	Lincoln Square Recreation Center Renovation and	261 11th St	Expand and renovate existing 6,910sf building. Add additional 6,400 square feet.	Evaluating GSI Potential		Design	
A	Lower Park Blvd. Bicycle & Pedestrian Improvement Project	Park Blvd @ 4th Ave. (E 17th St to Chatham Rd; E 18th St from Park to Lakeshore Ave., & 3rd Ave. from Park to E 18th St.	Roadway rehabilitation, pedestrian safety improvements and buffered bike lanes from Lake Merritt to Oakland High School	No		Completed	4. Re-surfacing or repaving, no change to drainage patterns, no increased impervious.
A	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.	Yes	Bioretention facilitie(s)	Construction	
A	San Antonio Recreation Center and Head Start CIP	1701 East 19th St.	Renovate existing 1,764 sf recreation center	Evaluating GSI Potential		Planning	
A	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		Design	4. Re-surfacing or repaving, no change to drainage patterns, no increased impervious.

C.3.j.iii No Missed Opportunities City of Oakland FY 2022-2023
A) Public Projects Reviewed for Green Infrastructure and,
(B) Planned and/or Completed Green Stormwater Infrastructure Projects

A or B	Project Name	Project Location	Brief Project Description	Green Stormwater Infrastructure Included?	Green Stormwater Infrastructure Type(s) Included	June 30, 2023 Status	Why GSI is impracticable if not included
A	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.	Evaluating GSI Potential		Design	
A	Tyrone Carney Park Renovation	10501 Acalanes Drive,	Community led renovation project. New play areas, par courses, pave	Evaluating GSI Potential		Design	
A	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	Evaluating GSI Potential	TBD	Design	
A	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.	Yes	Bioretention facilitie(s)	ON HOLD	

C.3.j.iii No Missed Opportunities City of Oakland FY 2022-2023
A) Public Projects Reviewed for Green Infrastructure and,
(B) Planned and/or Completed Green Stormwater Infrastructure Projects

A or B	Project Name	Project Location	Brief Project Description	Green Stormwater Infrastructure Included?	Green Stormwater Infrastructure Type(s) Included	June 30, 2023 Status	Why GSI is impracticable if not included
B	14th Ave. Phase II	14th Ave. between E 12th St. and E 19th St.	Streetscape Improvements - Bulbouts, Green Space, and Trees. Includes three bioretenction facilities.	Yes	Bioretention facilitie(s)	Completed	
B	7th Street Streetscape Phase II (7th Street West Oakland Transit Village Streetscape)	7th Street from Wood Street to Peralta Street	Streetscape improvements on 7th Street between Peralta and Wood Roadway diet and reduced number of travel lanes on 7th Street in each direction. ADA and bike lanes. Several bioretention facilities included in project design.	Yes	Bioretention facilitie(s)	Completed	
B	Begin Plaza	San Pablo Ave. and Martin Luther King Jr. Way	Park renovation. Included bioretention facility and swale installed along park perimeter.	Yes	Bioretention facilitie(s)	Completed	
B	Broadway between Keith Ave. and Brookside Ave.	Broadway from Keith Ave. to Brookside Ave.	Streetscape improvements. Three bioretention facilities built	Yes	Bioretention facilitie(s)	Completed	
B	City of Oakland Fire Station No. 1 Biotreatment Retrofit Project	1605 Martin Luther King Jr. Way	Retrofit a asphalt parking lot with Low Impact Development (LID) green infrastructure features including permeable pavers, a bioretention rain garden, landscaped planter strips, stormwater-beneficial trees, and a planted trellis.	Yes	Multiple GI measures (bioretention, pervious pavement, etc.)	Completed	
B	Embarcadero Bridge Replacement	Embarcadero Bridge at Lake Merritt Channel	Replacement of bridge over Lake Merritt Channel. Bioretention facilities are being installed on both sides of the bridge.	Yes	Bioretention facilitie(s)	Completed	
B	High Street, Courtland Ave., & Ygnacio Ave. Intersection Improvements	High St and Courtland Ave.	Install raised median, pedestrian refuge, curb extension/extend sidewalks, ADA curb ramps, bicycle & pedestrian features, landscaping, and bio-filtration measures. Two bioretention facilities. One is in the median in the middle of the large intersection, the other is at the SE corner of High St. and Courtland Ave. Street runoff will be treated by the facilities.	Yes	Bioretention facilitie(s)	Completed	

C.3.j.iii No Missed Opportunities City of Oakland FY 2022-2023
A) Public Projects Reviewed for Green Infrastructure and,
(B) Planned and/or Completed Green Stormwater Infrastructure Projects

A or B	Project Name	Project Location	Brief Project Description	Green Stormwater Infrastructure Included?	Green Stormwater Infrastructure Type(s) Included	June 30, 2023 Status	Why GSI is impracticable if not included
B	Lake Merritt Bellevue Ave. and pathways in Lakeside Park. (#1003319)	Bellevue Ave. between Grand Ave. and Perkins	Installation of new pervious parking area, road maintenance, and garden outer entrance. Pervious parking used "True Grid"	Yes	Pervious pavement	Completed	
B	Lake Merritt Improvement Project (C394010)	Lakeside Park Entrances. Bellevue and Grand Ave.	Pedestrian safety, accessibility, landscaing and pathways. Three bioretention areas (flow through no underdrain)	Yes	Bioretention facilitie(s)	Completed	
B	Lakeside Green Streets Project	Lakeside Drive from 19th Street to Grand Ave.	Park expansion and retrofit, road diet rehabilitation, and rain gardens.	Yes	Bioretention facilitie(s)	Completed	
B	LAMMPS Streetscape Project - Laurel Access to Mills, Maxwell Park & Seminary	Laurel Access to Mills, Maxwell Park & Seminary	Installation of Class I bike/pedestrian path along Macarthur Blvd from High Street to Richards Road. Several Bioretention areas included in the project.	Yes	Bioretention facilitie(s)	Completed	
B	Latham Square Streetscape Improvements	Latham Square	Reconstructed wide pedestrian area between Broadway and Telegraph Ave. (and 14th and 16th Streets). Bioretention areas accept runoff from Broadway and paved plaza areas.	Yes	Bioretention facilitie(s)	Completed	
B	Rockridge BART Safe Route to Transit	College & Miles. Project extends to Shafter/Keith.	Add bike lane on College and intesection improvements on College at Shafter/Keith and at Miles. One bioretention facility incorporated into curb extension at College and Miles. The bioretention will treat runoff from College Ave and from adjacent buildings.	Yes	Bioretention facilitie(s)	Completed	
B	Stormwater Treatment Units (Tree Wells)	26th & Poplar 26th & 24th Willow & 24th Willow and Wood 32nd & Mandela 32nd & 28th	Install six Contech Filterra tree well units designed to remove PCBs from stormwater	Yes	Tree well(s)	Completed	

ATTACHMENT C.3.2

City of Oakland

Letter to Alameda County Mosquito and Vector

Control District - September 30, 2023.

FY 2022-2023

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

September 30, 2023

Ryan Clausnitzer, General Manager
Alameda County Mosquito Abatement District
23187 Connecticut Street
Hayward, CA 94545-1605
Delivered via email to: ryan@mosquitoes.org

Re: Information Concerning Stormwater Treatment Measures Installed in the City of Oakland

Dear Mr. Clausnitzer:

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 (FY) 2022-2023 as well as systems installed as part of two projects that were completed in FY 2021-2022 but were mistakenly not reported. Site plans for each project are included in the attachment. For the project marked with an asterisk, no site plan is available at this time but will be provided to the District as soon as the City obtains the final site plan.

Facility Name	Facility Address	Party Responsible for Maintenance	Type of Treatment/ HM Control(s)	Project Completion Date
Oakland 29	295 29th Street	Property Owner	Flow through planters	2/16/2022
2016 Telegraph Avenue	2016 Telegraph Avenue	Property Owner	Media filter	6/20/2022

Facility Name	Facility Address	Party Responsible for Maintenance	Type of Treatment/ HM Control(s)	Project Completion Date
7120 Hawley Street	7120 Hawley Street (also 3300 Hawley Street per site plan)	RCD - Jake Rosen	4 Bioretention areas	8/8/2022
1428 105th Avenue	1428 105th Avenue	Property Owner	2 Flow-through planters and 1 media filter	8/9/2022
277 27th Street	277 27th Street	Property Owner	Stormwater treatment device	9/30/2022
1705 Mandela Parkway	1705 Mandela Parkway	Property Owner	Permeable pavers	11/28/2022
Bishop O'Dowd High School Center/9500 Stearns Avenue	9500 Stearns Avenue	Property Owner	3 Bioretention areas	12/28/2022
2850 Hannah Street	2850 Hannah Street	Property Owner	2 Flow-through planters, 1 self-retaining area, 1 filter vault, 3 green roof self-treating facilities	1/9/2023
2401 Broadway	2401 Broadway	Property Owner	Stormfilter manhole	1/27/2023
2401-2417 Broadway	2401-2417 Broadway	Property Owner	Bioretention Area	3/7/2023
825 6th Avenue	825 6th Avenue	Property Owner	Bioretention area; 23 pervious paver areas	2/16/2023
1101 Embarcadero West*	1101 Embarcadero West	Property Owner	Bioretention Area	4/20/2023
6345 Coliseum Way	6345 Coliseum Way	Michael Rowe	4 Bioretention areas	4/27/2023
1067 Calcot Place	1067 Calcot Place	Property Owner	2 Flow-through planters	5/19/2023

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

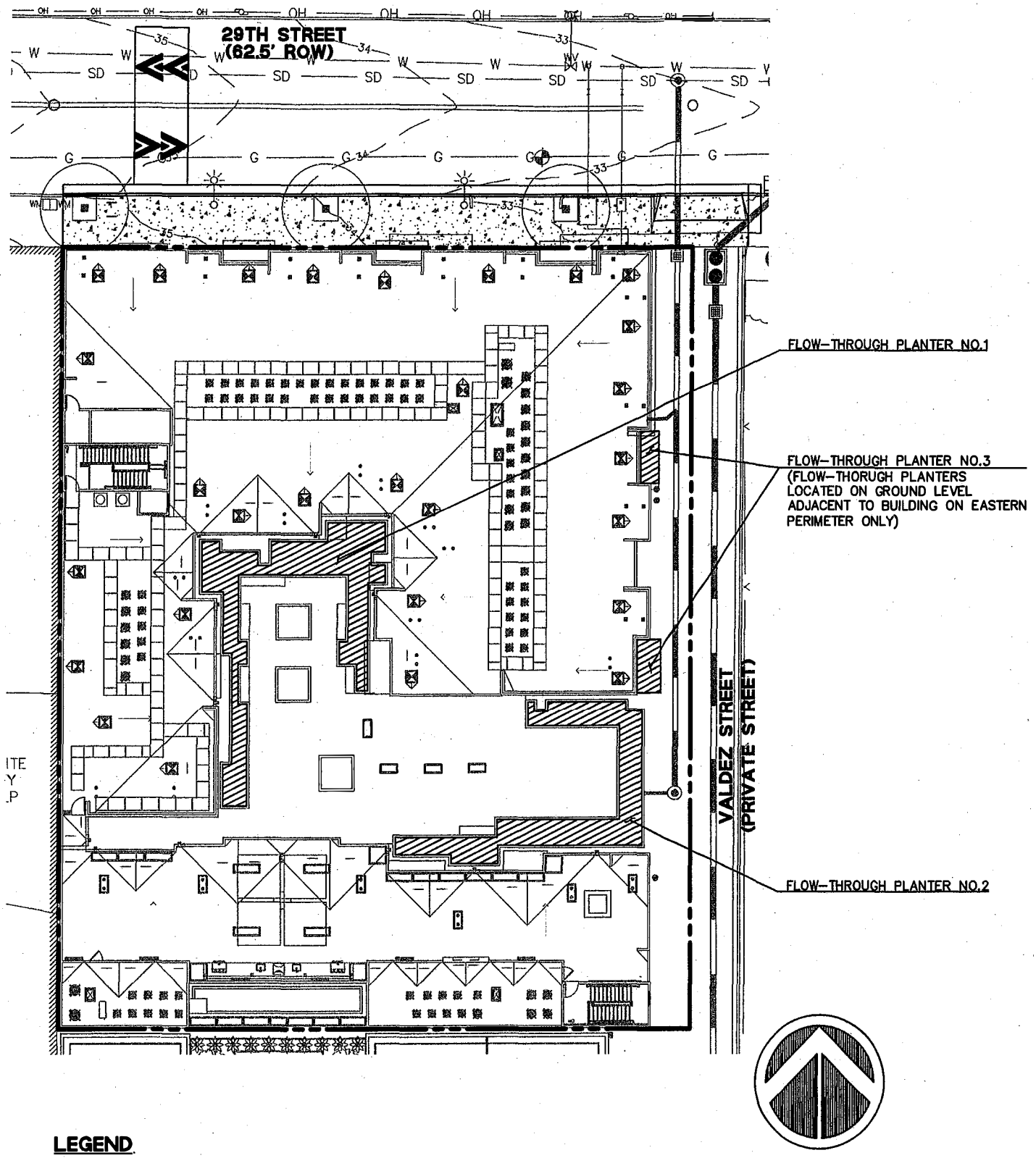
Sincerely,

Terri Fashing
Acting Watershed and Stormwater Division and DD Program Manager
City of Oakland Public Works, Watershed and Stormwater Management Division

CC (email only):

- Siew Chin Yeong, P.E., Assistant Director, City of Oakland Public Works, Bureau of Design and Construction
- Michael Perlmutter, Watershed Program Specialist, City of Oakland Public Works Watershed and Stormwater Management Division
- Christopher Ragland, Deputy Director/Building Official, City of Oakland Planning & Building Department
- Tim Low, Principal Civil Engineer, City of Oakland Planning & Building Department
- Zachary Rokeach, Water Resource Control Engineer, San Francisco Bay Regional Water Quality Control Board

Attachments: Site plan for projects not marked with an asterisk in the table above.



LEGEND

PROPERTY LINE

FLOW-THROUGH PLANTER

GRAPHIC SCALE

30 0 30 60

BkF

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

Subject **EXHIBIT A**
295 29TH STREET

Job No. C20176136

By JV Date 01/26/2022 Chkd. CJ

SHEET 1 OF 1

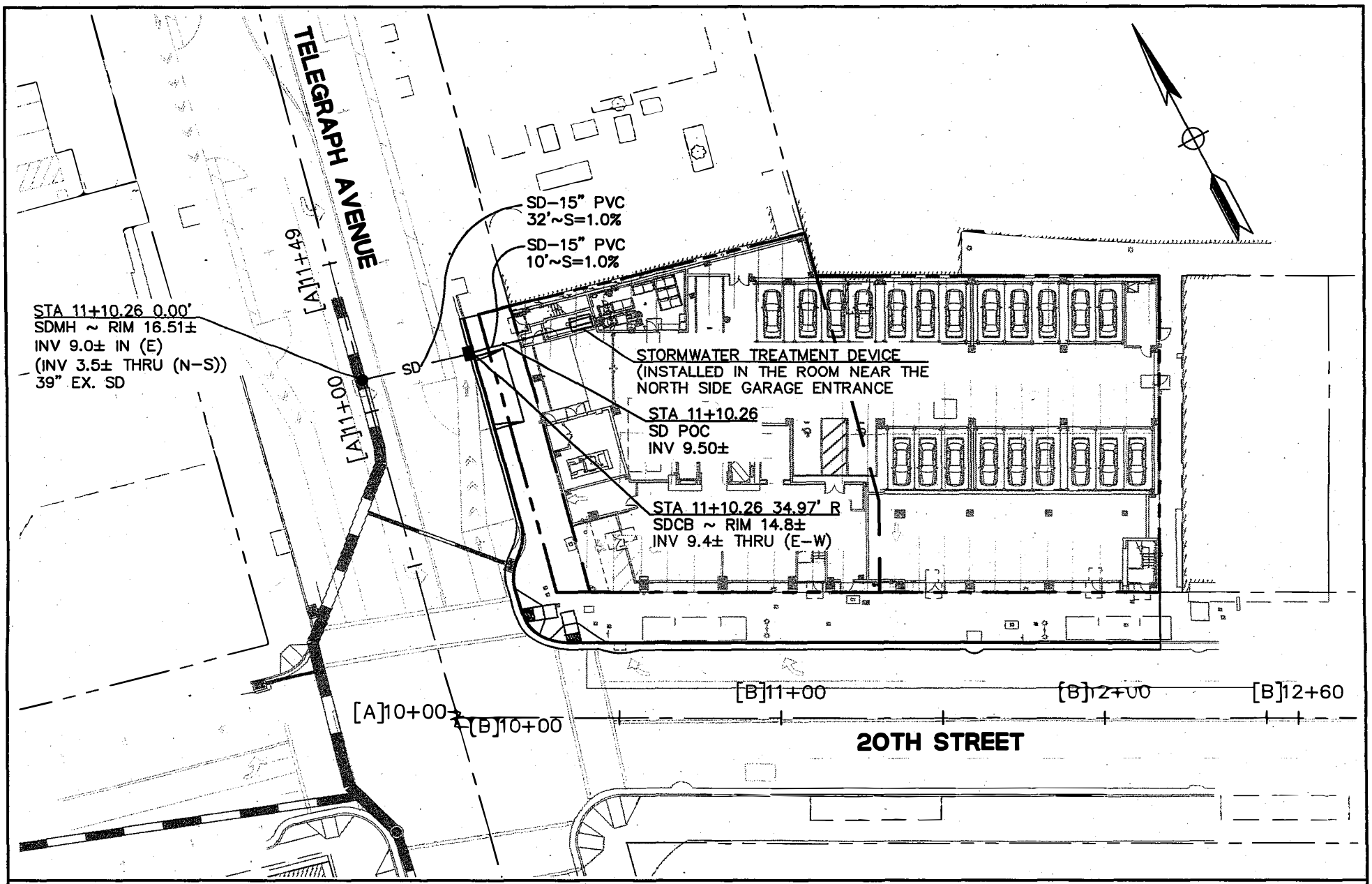


EXHIBIT A
2016 TELEGRAPH AVENUE

Drawn MC
Job No. C20180113

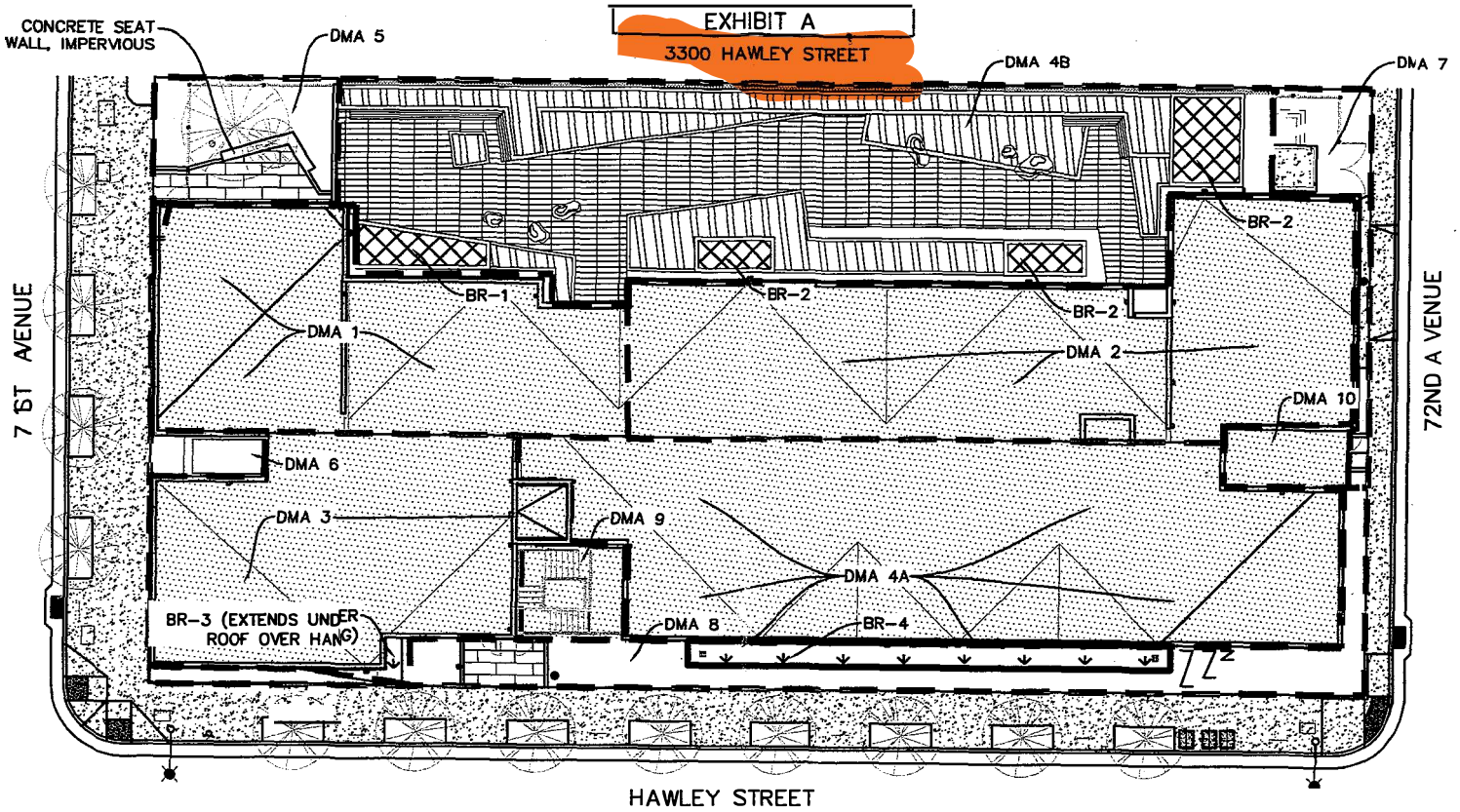
Checked PC
Date 03/09/2022

Approved PC
Sheet 1 of 1

19GM00038

PLN16-455

EXHIBIT A
3300 HAWLEY STREET

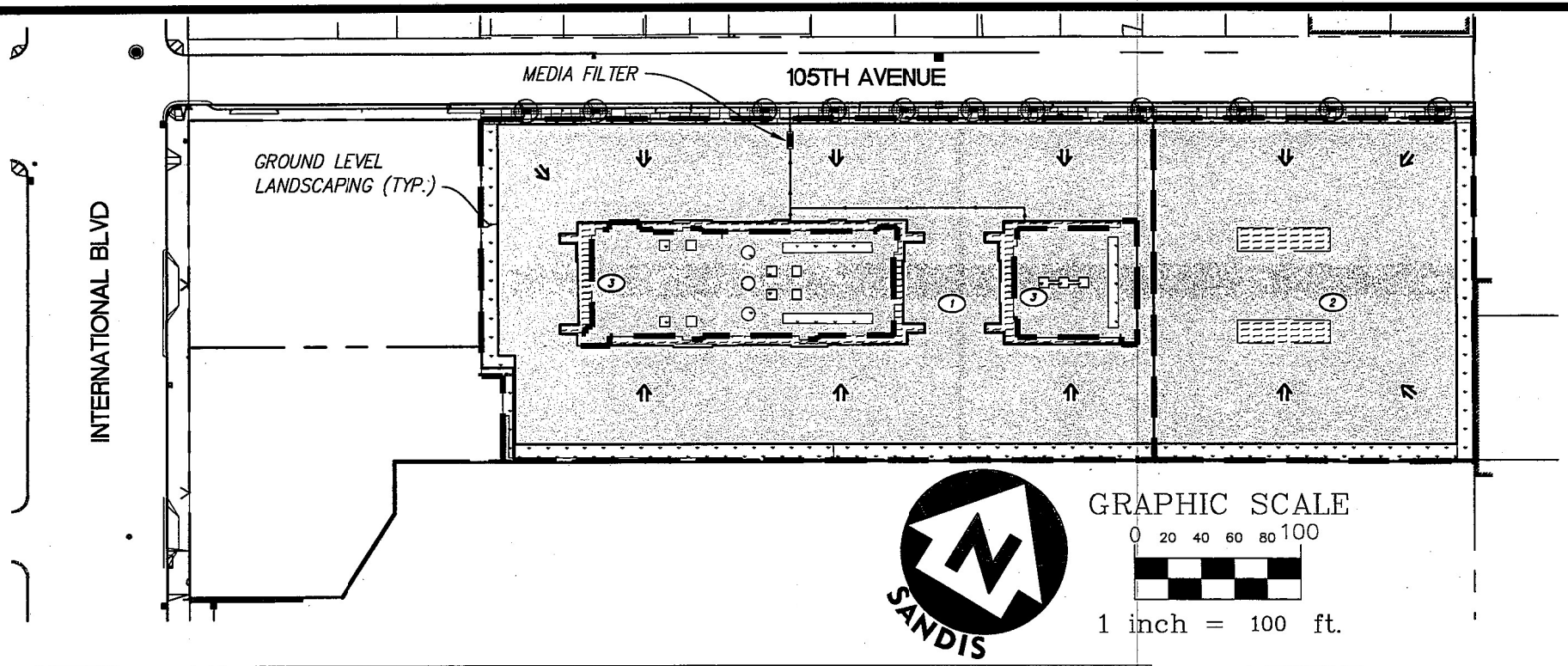


DMA Table						
DMA	Impervious Area (sq. ft.)	Pervious Area (sq. ft.)	Effective Area (sq. ft.)	BMP Required Area (sq. ft.)	BMP	BMP Area (sq. ft.)
1	2,353	0	2,353	94	BR-1	176
2	3,444	0	3,444	137	BR-2	178
3	2,170	0	2,170	87	BR-3	100
4A	4,037	0	4,037	161	BR-4	320
4B	3,326	1,139	3,439	137		
5	29	594	35	TREE CREDITS		
6	133	0	133	5	BR-3	100
7	188	251	191	TREE CREDITS		
8	0	1,096	0	TREE CREDITS		
9	256	0	256	TREE CREDITS		
10	202	0	202	TREE CREDITS		

UNTREATED IMPERVIOUS AREAS = 675 SF (TREE CREDITS)

LEGEND:

- BIORETENTION AREA (GROUND)
- BIORETENTION AREA (PODIUM)
- ROOF/PODIUM
- PERVIOUS PAVERS
- LANDSCAPING (PODIUM)
- PAVERS (PODIUM)
- CONCRETE
- LANDSCAPING (GROUND)



GRAPHIC SCALE
0 20 40 60 80 100
1 inch = 100 ft.

STORMWATER MANAGEMENT TABLE

DMA	DRAINAGE AREA (SF)	IMPERVIOUS AREA (SF)	TREATMENT CONTROL MEASURE TYPE	TREATMENT CONTROL MEASURE SIZING METHOD	TREATMENT AREA REQUIRED (SF)	TREATMENT AREA PROVIDED (SF)	PERCENT PROVIDED
1	65,742	55,362	BIO-RETENTION	4%	2,214	3,675	166%
2	40,222	34,099	BIO-RETENTION	4%	1,364	1,568	115%
1	17,628	16,072	MEDIA FILTER	N/A	N/A	N/A	100%
TOTAL	170,602	134,696			18,159	22,571	134%

LEGEND

- DRAINAGE MANAGEMENT AREA LIMIT
- FLOW-THROUGH PLANTER AREA
- LANDSCAPE AREA
- IMPERVIOUS ROOF AREA
- FLOW DIRECTION

SANDIS | CIVIL ENGINEERS SURVEYORS PLANNERS

SILICON VALLEY TRI-VALLEY CENTRAL VALLEY EAST BAY/SF

DATE:	5-6-19
SCALE:	1"=100'
DRAWN BY:	JRR
APPROVED BY:	MAK
DRAWING NO.:	615063

EXHIBIT A
STORMWATER MANAGEMENT PLAN

OAKLAND CALIFORNIA

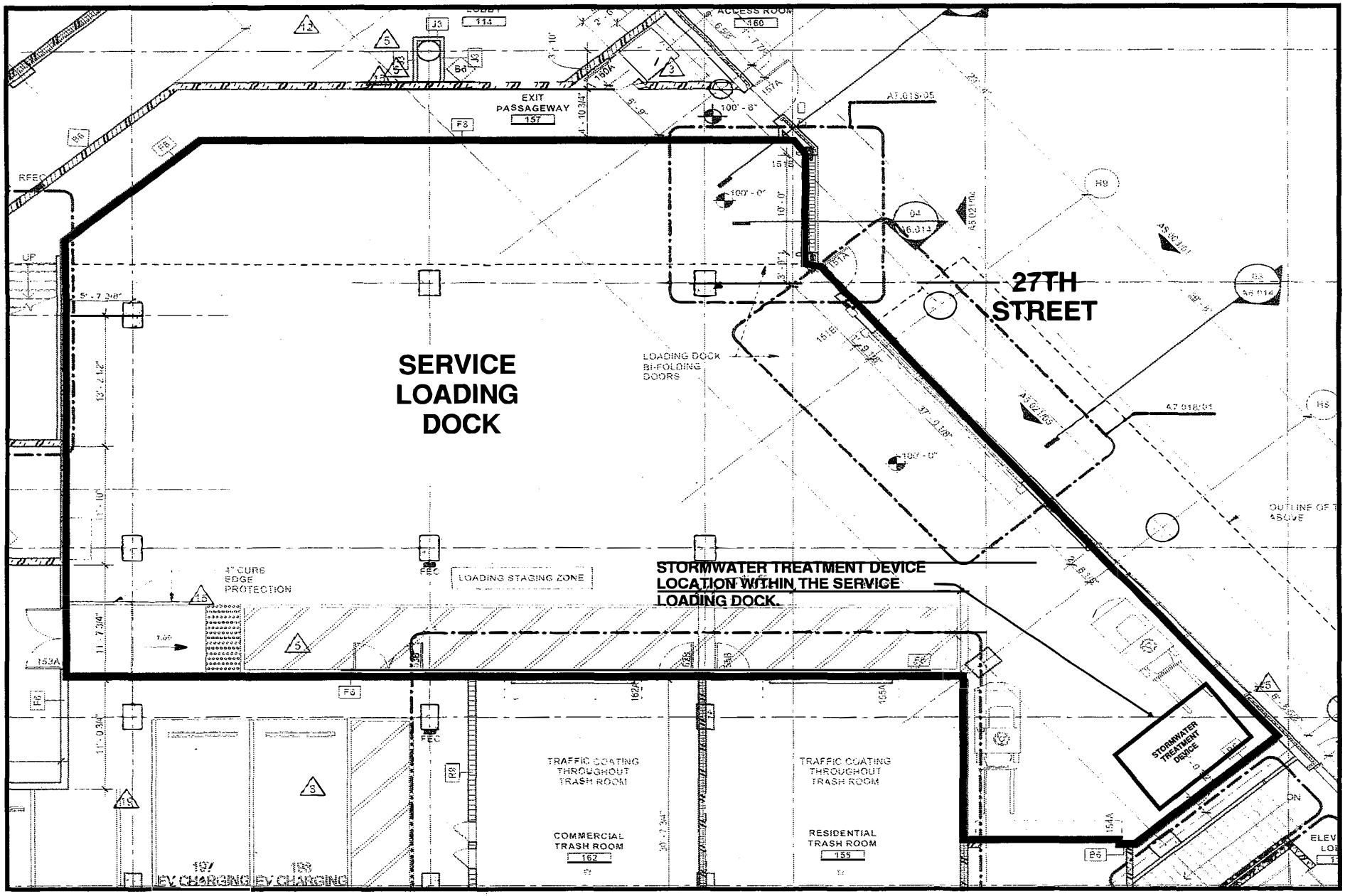
SHEET **EX-A** OF 1 SHEETS

OAKLAND INTERNATIONAL SENIORS 1428 105TH AVE

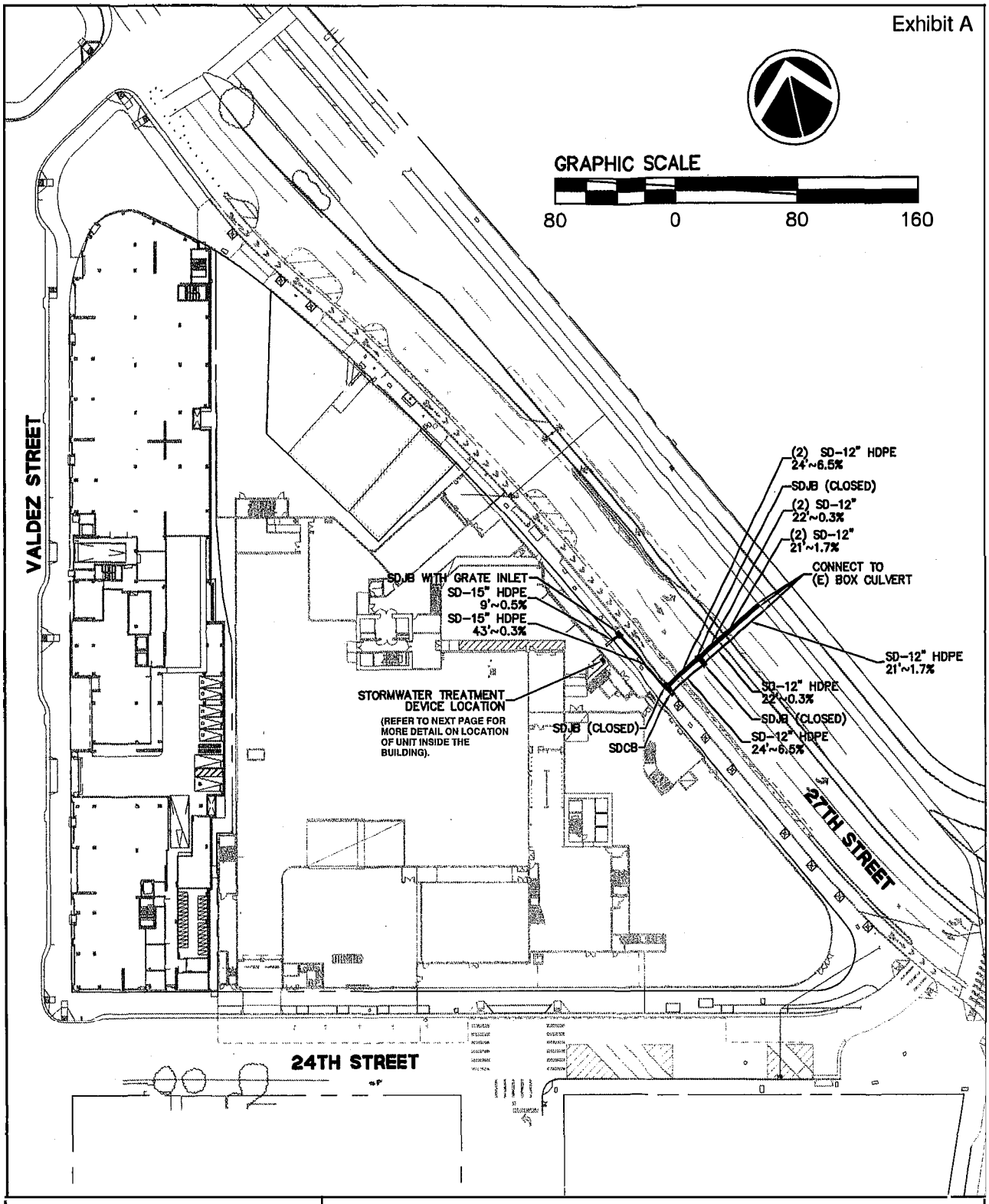
Exhibit A

Maintenance Plan

The Stormwater Treatment Device is located on Level 0 (Ground floor) of the building inside of the 27th Street Loading Dock. Refer to exhibit below.



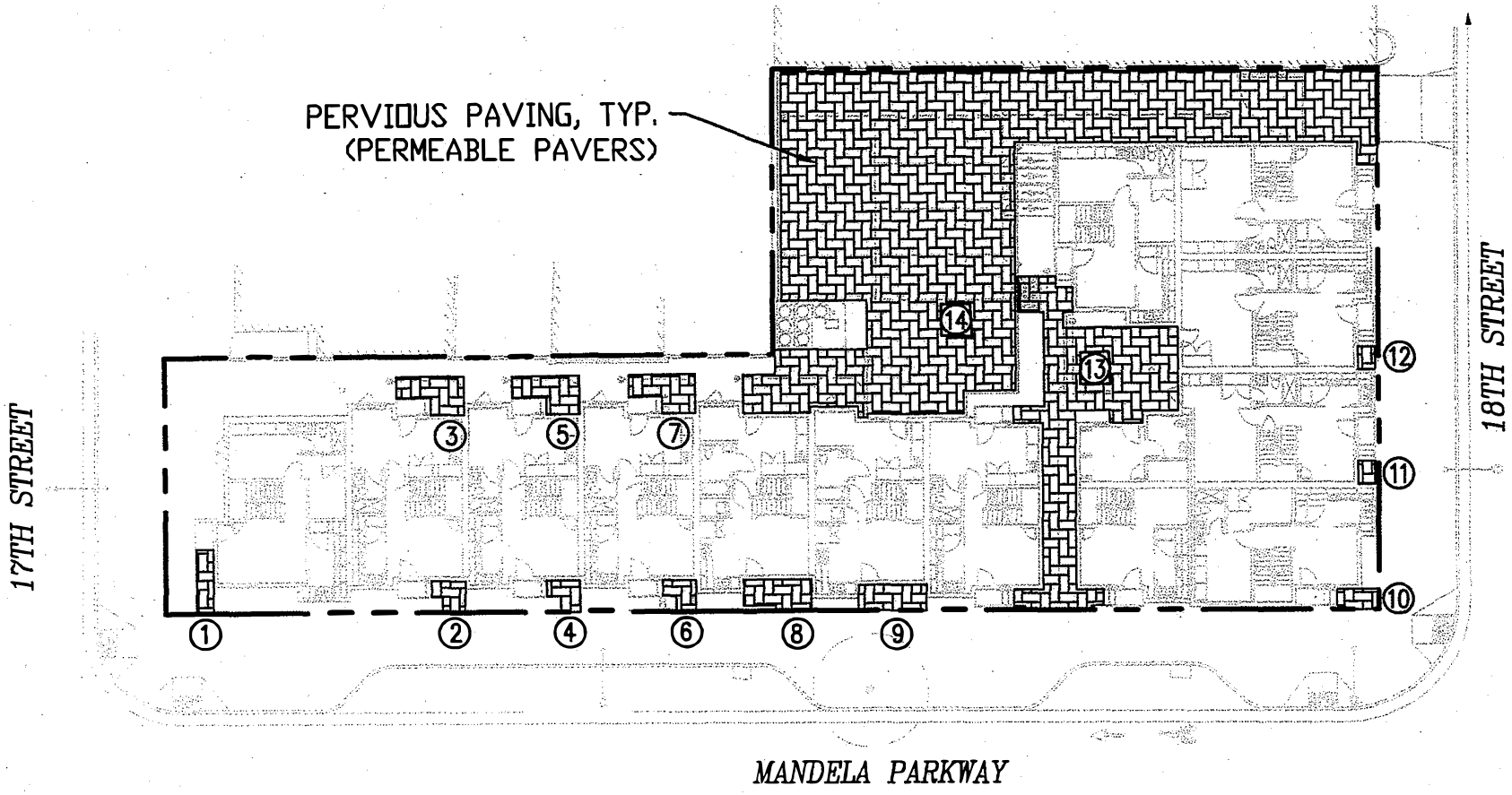
277 27 TH ST



BKF 100+ YEARS
ENGINEERS . SURVEYORS . PLANNERS
1730 N. FIRST STREET, SUITE 600 (408) 467-9100
SAN JOSE, CA 95112 www.bkf.com

EXHIBIT A
277 27TH STREET

Drawn CJ Checked MB Approved PC
Job No. 20156119 Date 05/20/2022 Sheet 1 of 1



LEGEND

PERVIOUS PAVING (PERMEABLE PAVERS)

① PERVIOUS PAVING FACILITY NO.

NORTH N SCALE 1" = 30'

GRAPHIC SCALE

30 0 15 30 60

(IN FEET)

1 inch = 30 ft.

Luk and Associates

Civil Engineering
Land Planning
Land Surveying

738 Alfred Nobel Drive
Hercules, CA 94547
Phone (510) 724-3388
Fax (510) 724-3383
Email: [redacted]

1705 MANDELA PARKWAY
OAKLAND, CA

SCALE: 1"=30'

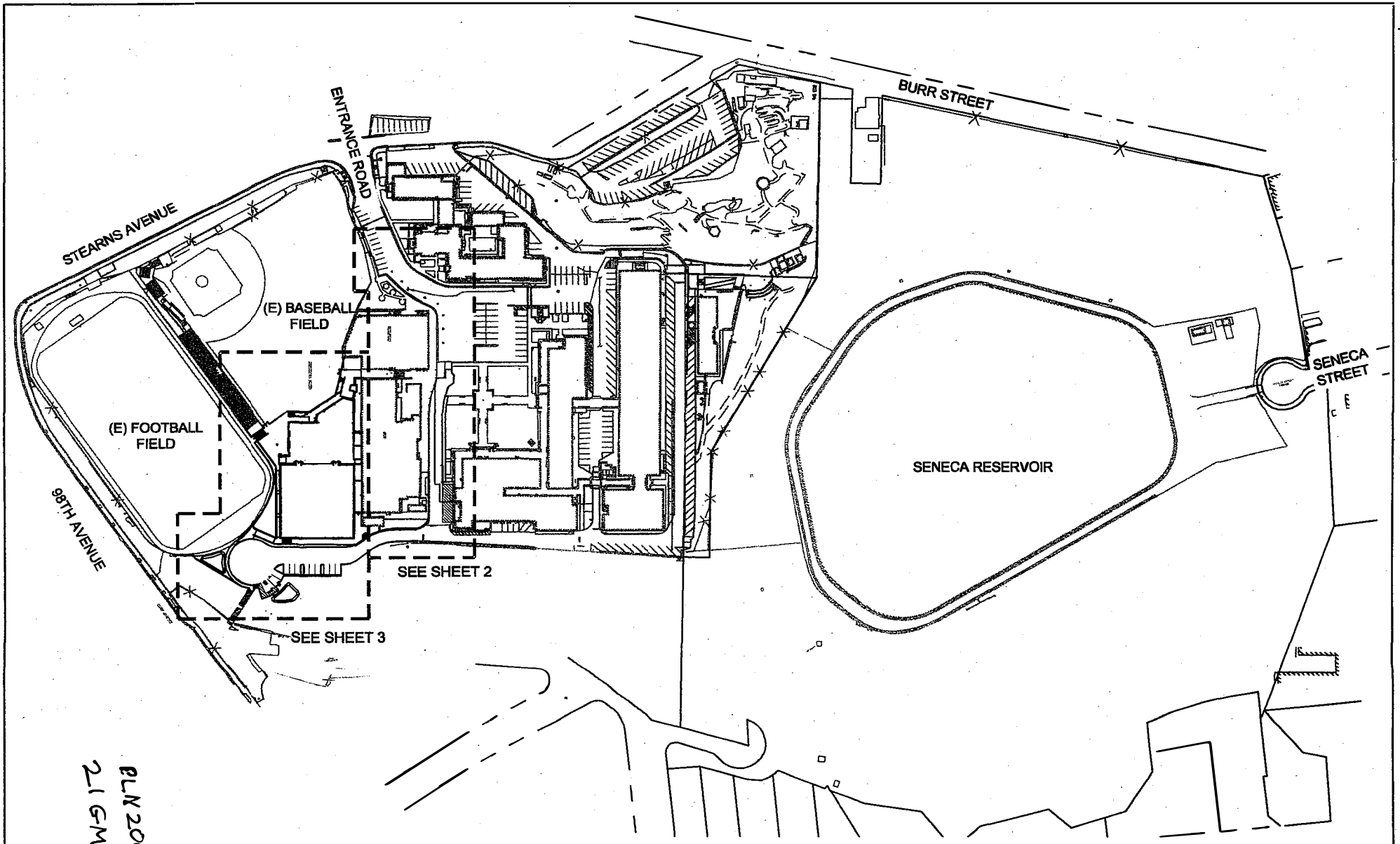
Job No.: 19041A10

GM No.: 20GM00015

SITE PLAN

SHEET NO.:

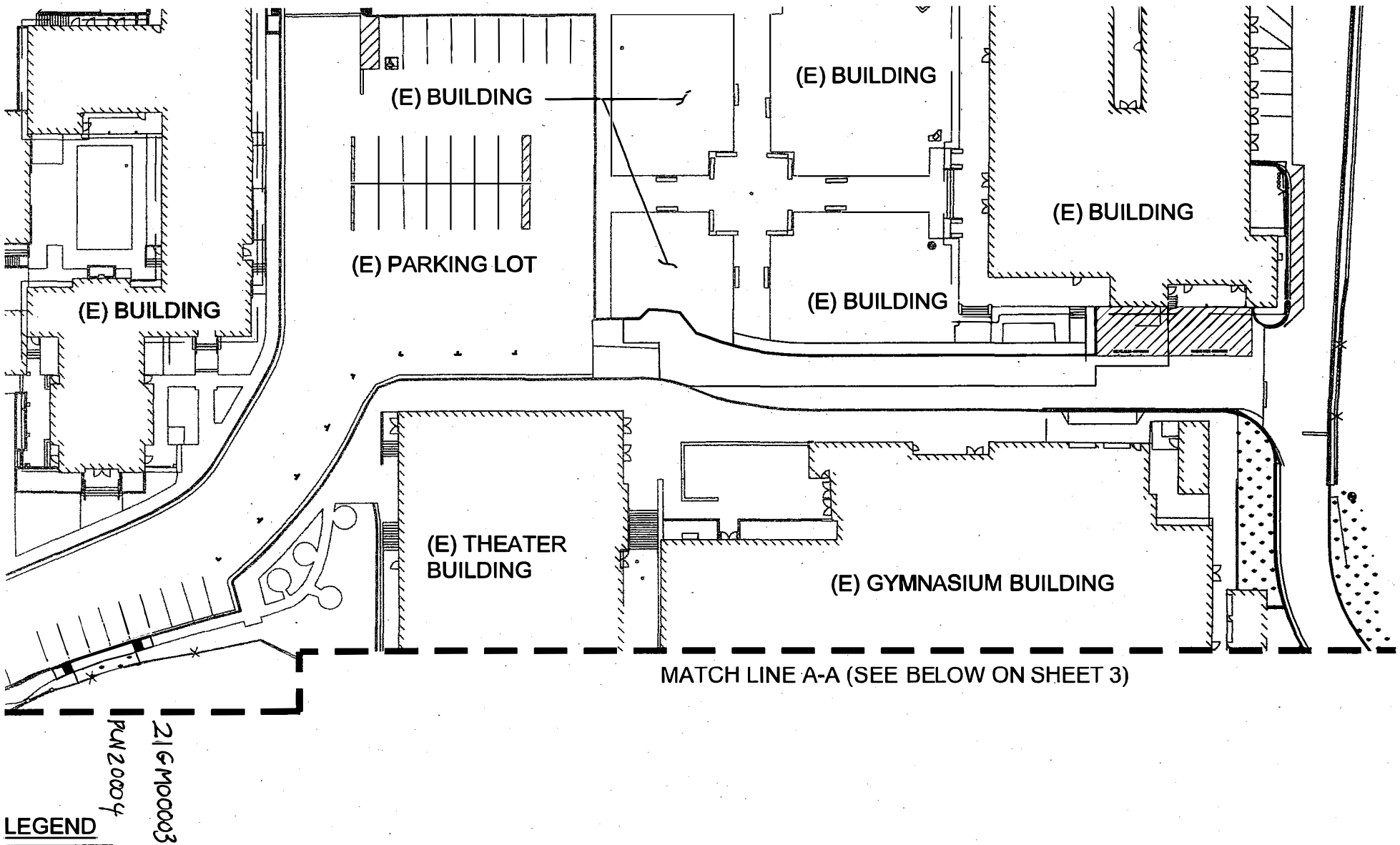
EXHIBIT-A



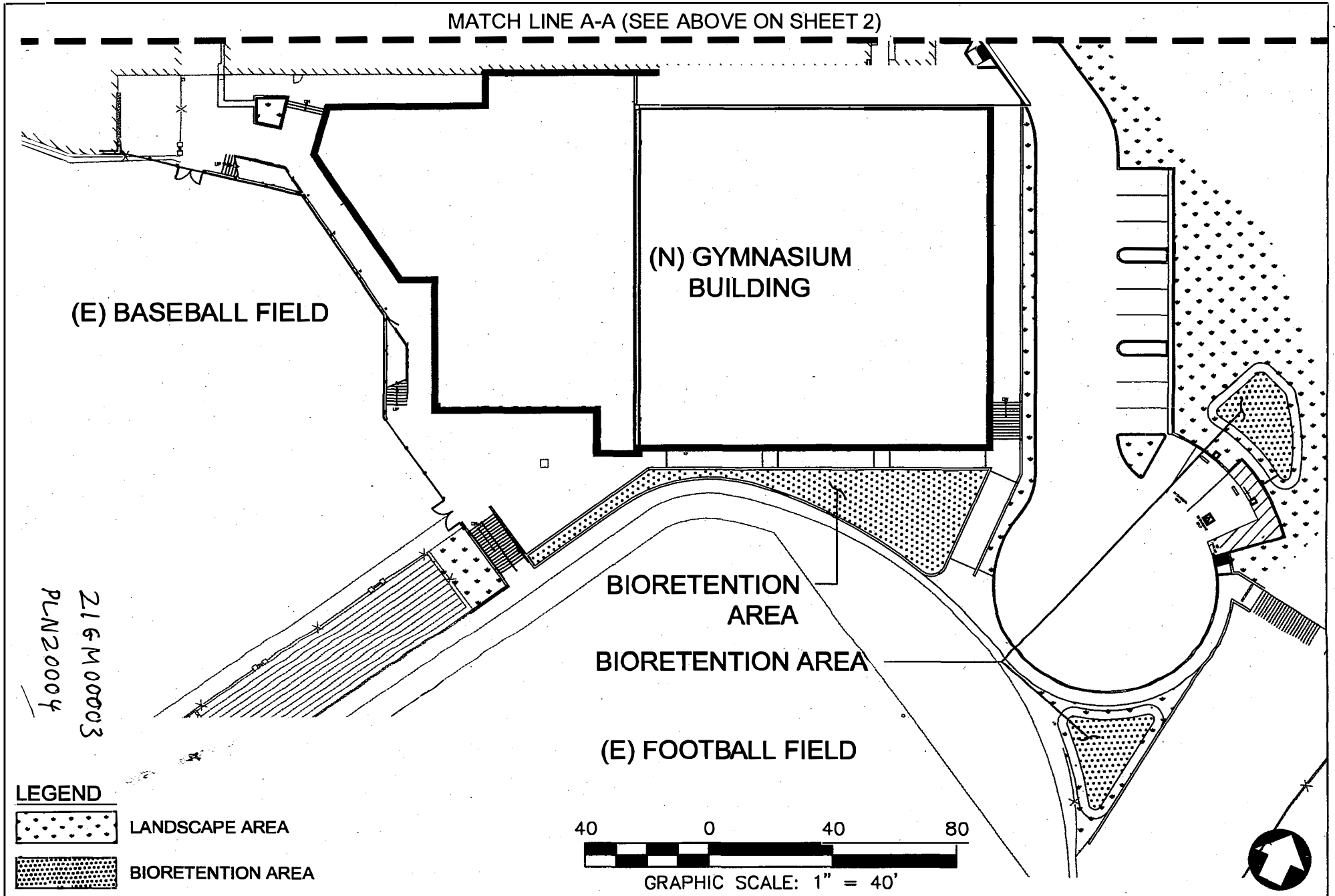
BLN 20004
21 GM00003

BKF ENGINEERS 1646 N.CALIFORNIA BLVD WALNUT CREEK, CA 94596 P. 925-940-2200	BISHOP O'DOWD HIGH SCHOOL CENTER OAKLAND CALIFORNIA	EXHIBIT A SITE PLAN	SHEET 1

9500 STEARNS AVE

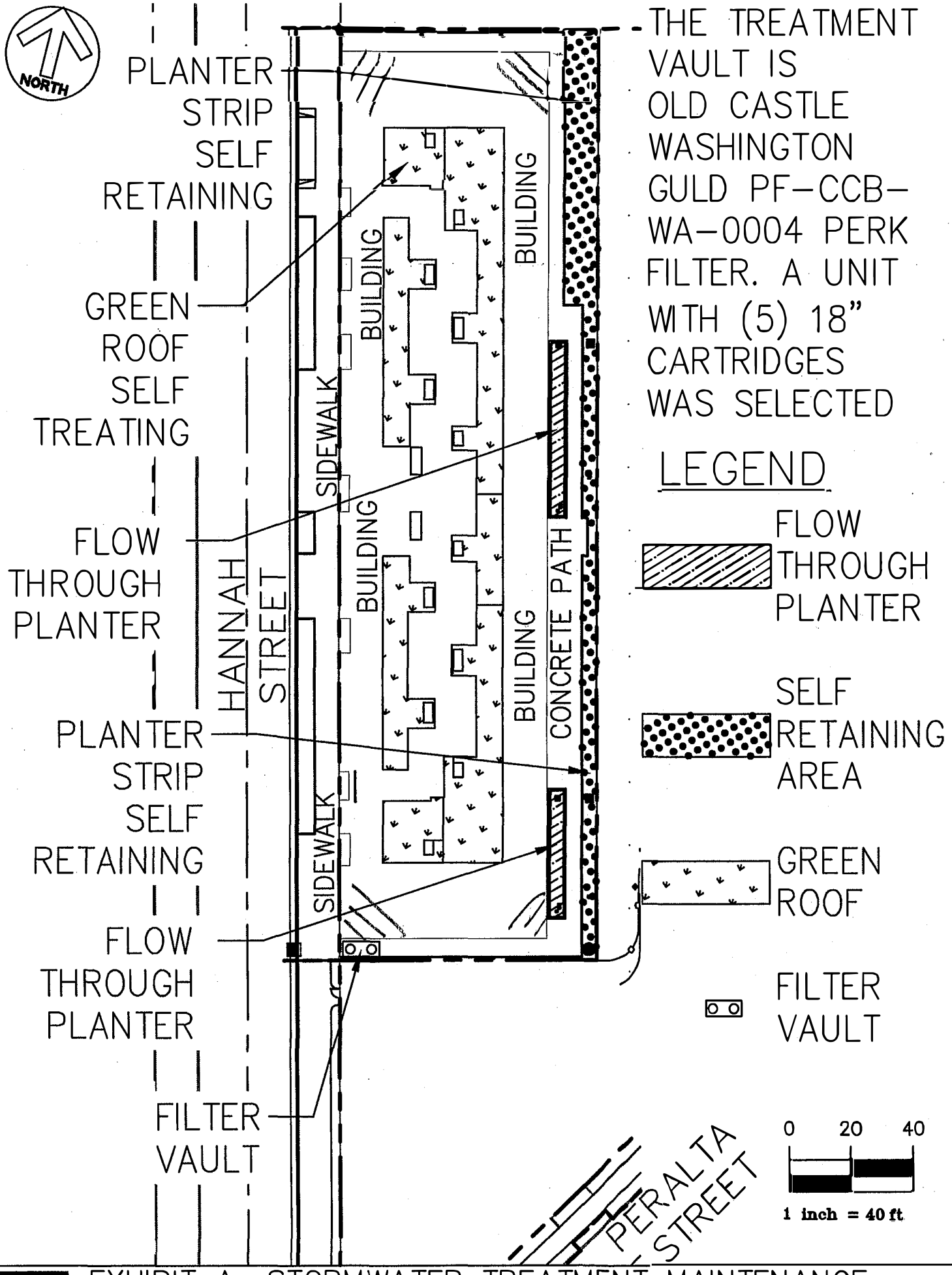


BKF ENGINEERS 1646 N.CALIFORNIA BLVD WALNUT CREEK, CA 94596 P. 925-940-2200	BISHOP O'DOWD HIGH SCHOOL CENTER OAKLAND CALIFORNIA	EXHIBIT A SITE PLAN	SHEET 2



216M00003
PLN20004

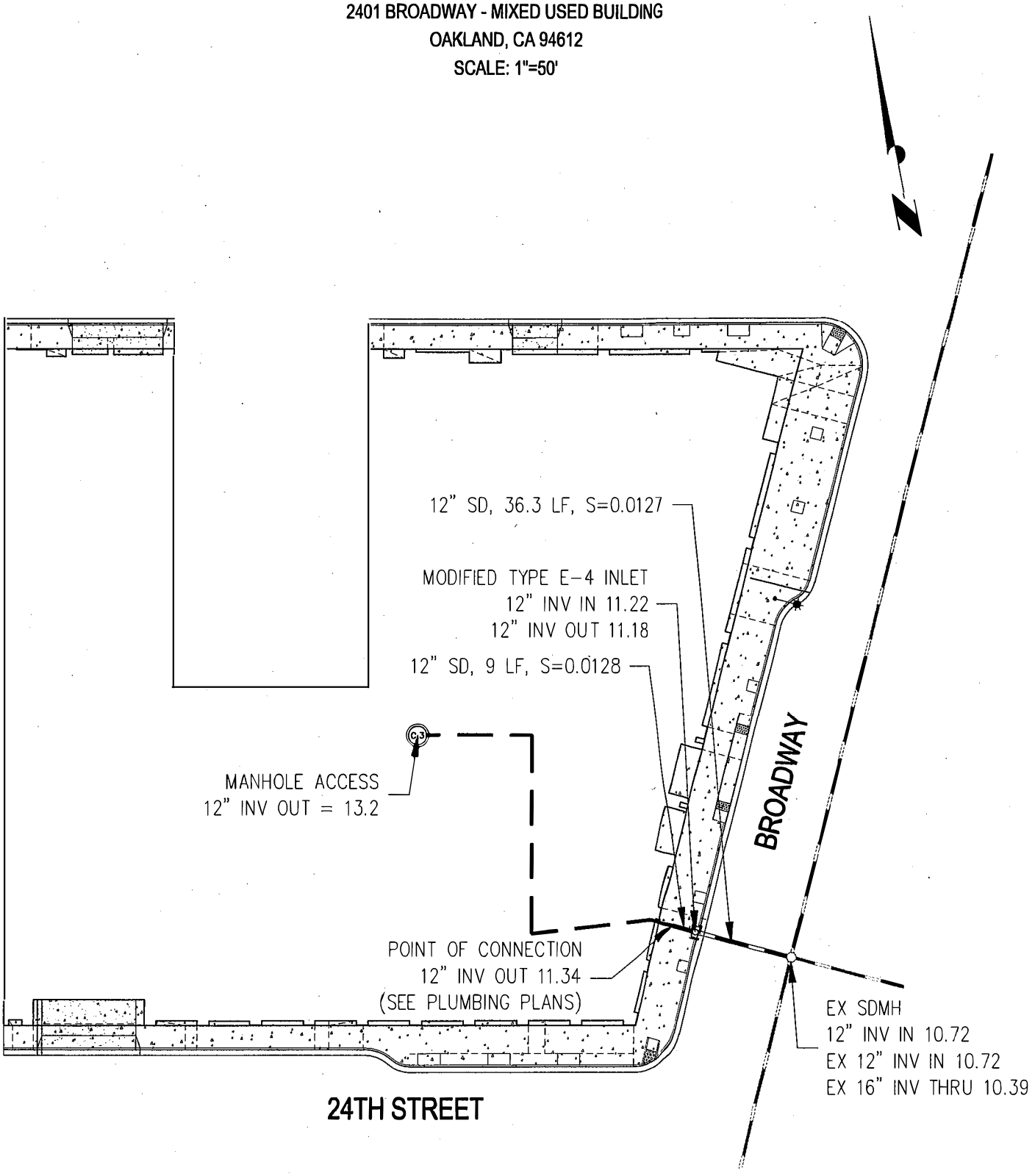
BKF ENGINEERS 1646 N.CALIFORNIA BLVD WALNUT CREEK, CA 94596 P. 925-940-2200	BISHOP O'DOWD HIGH SCHOOL CENTER OAKLAND CALIFORNIA	EXHIBIT A SITE PLAN	SHEET 3



BKF

EXHIBIT A: STORMWATER TREATMENT MAINTENANCE
HANNAH PARK RESIDENCES
2850 HANNAH ST. OAKLAND, CA 94608 17GM00026

EXHIBIT A - SITE PLAN
2401 BROADWAY - MIXED USED BUILDING
OAKLAND, CA 94612
SCALE: 1"=50'



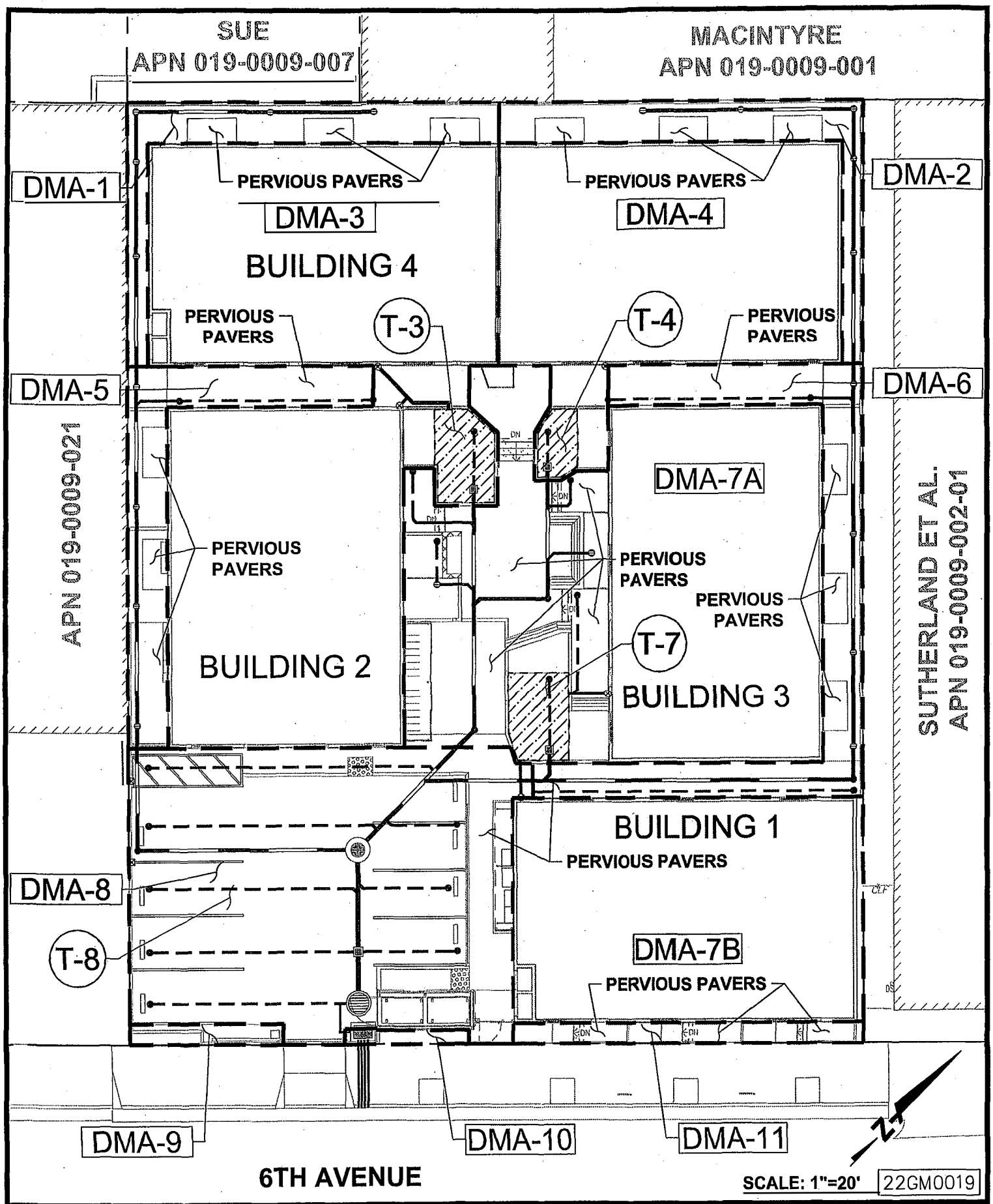
50' 0' 25' 50'

1 INCH = 50 FEET

ON-SITE STORM DRAIN KEY NOTES

PROPOSED PRE-CAST CONCRETE MANHOLE WITH OLDCASTLE PERK FILTER PER DETAIL OR APPROVED EQUIVALENT. INVERT PER PLAN, RIM PER PLUMBING PLAN.

PLN16-246
196M00013



BKF
4670 WILLOW RD
SUITE 250
PLEASANTON, CA 94588
925-396-7700
925-396-7799 (FAX)

Subject 825 6th Ave
EXHIBIT A – SITE PLAN
Job No.
By KL Date 12/14/22 Chkd. JN
SHEET 1 OF 3

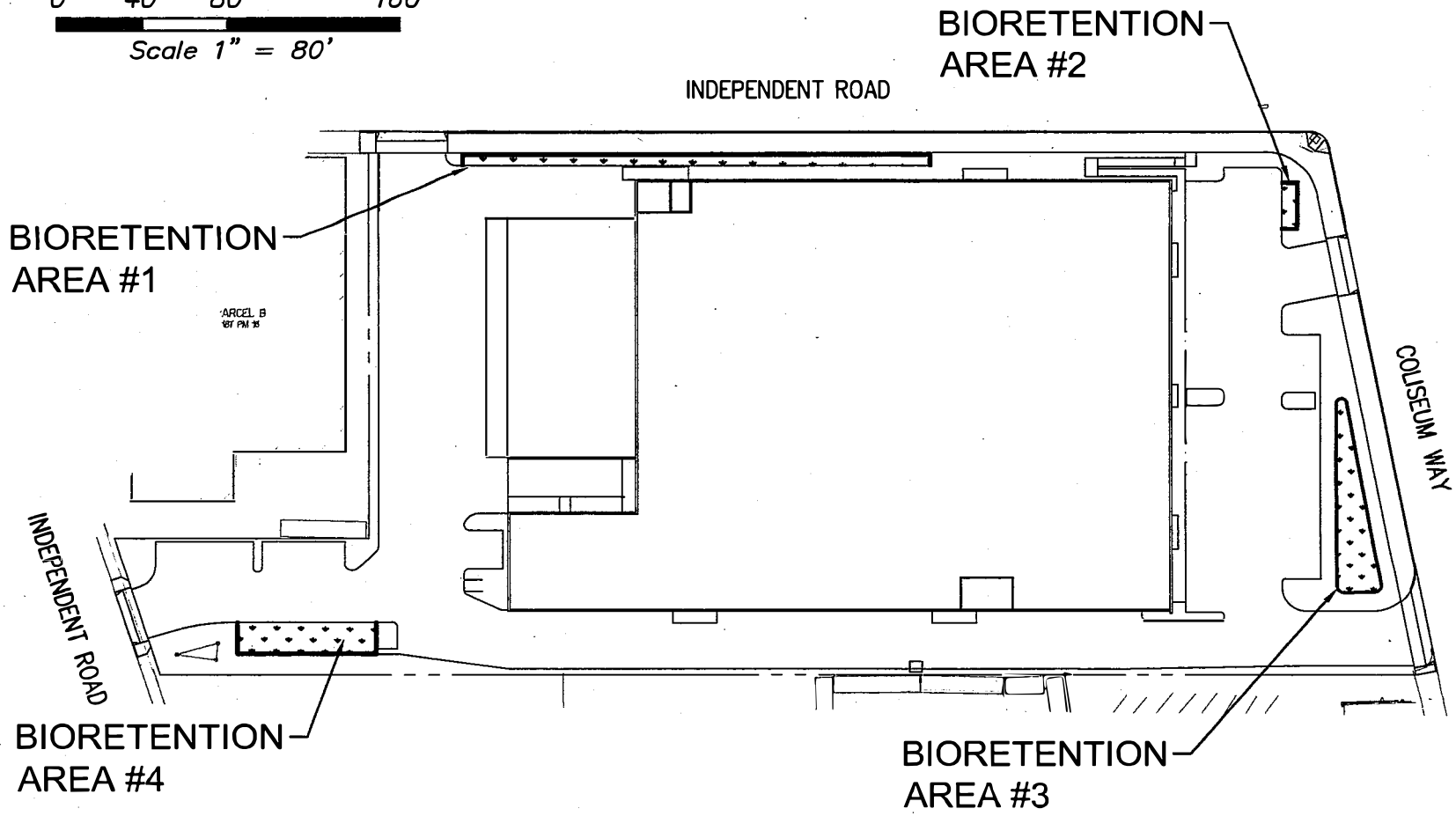
LEGEND

BIORETENTION TREATMENT AREA

NORTH

0 40' 80' 160'

Scale 1" = 80'



GM NUMBER 21GM00018

KIER+WRIGHT
2850 Collier Canyon Road
Livermore, California 94551
Phone (925) 245-8788
www.kierwright.com

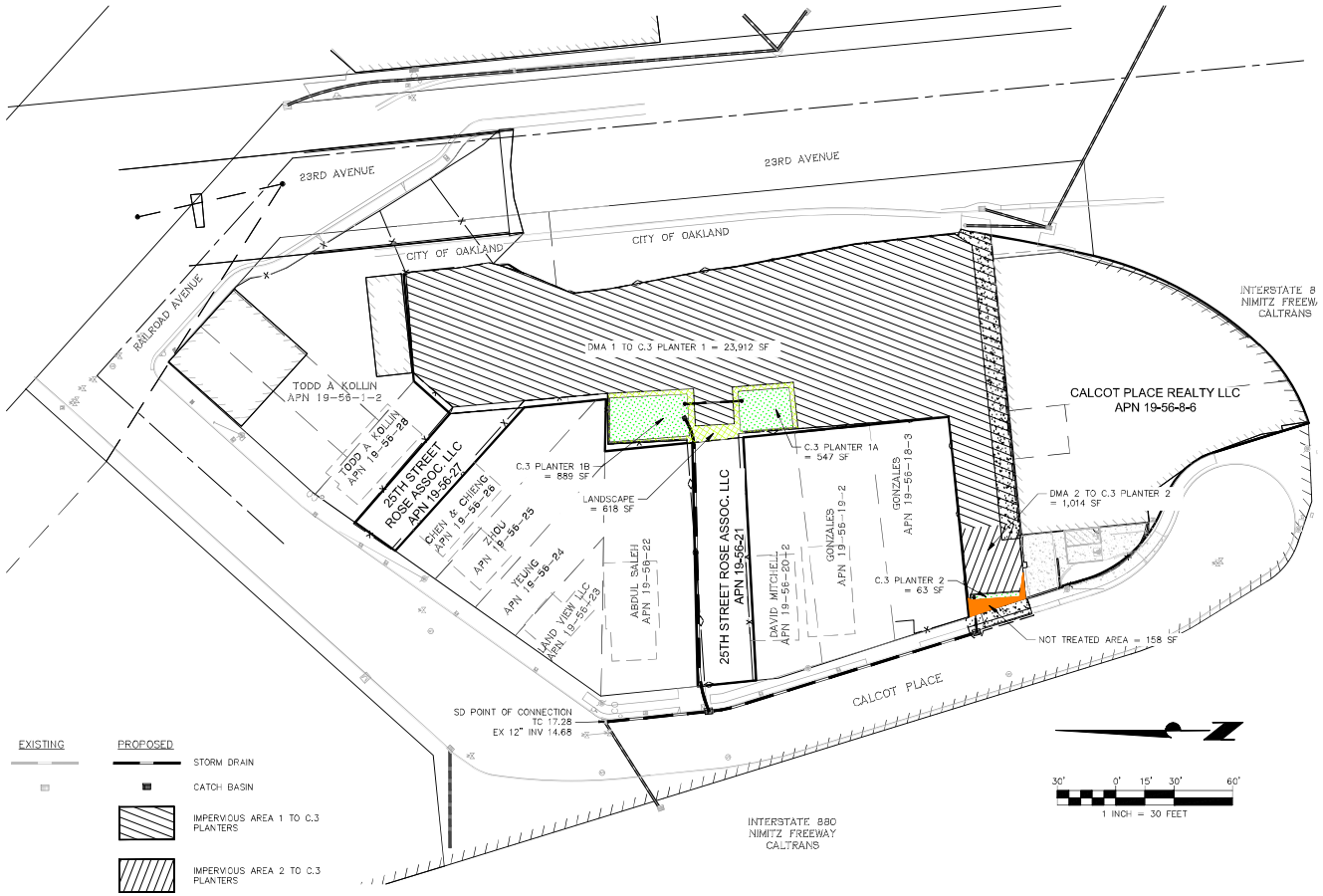
EXHIBIT A-TREATMENT MEASURE
OVERALL SITE KEY MAP
PROLOGIS EXCHANGE
6345 COLISEUM WAY

OAKLAND CALIFORNIA

DATE	OCTOBER, 2022
SCALE	1" = 80'
BY	M.G.
JOB NO.	A20681
SHEET	1 OF 5

C.3 STORMWATER CONTROL EXHIBIT NOTES

1. CALCULATIONS ARE BASED ON THE ALAMEDA COUNTY CLEAN WATER PROGRAM'S C.3 STORMWATER TECHNICAL GUIDANCE, VERSION 6, OCTOBER 31, 2017 (GUIDEBOOK).
2. THE TOTAL AREA OF LAND DISTURBED IS 0.624 ACRES.
3. THIS PROJECT PROPOSES TO REPLACE 0.576 ACRES OF EXISTING IMPERVIOUS SURFACE AREA ON-SITE. THE TOTAL PRE-PROJECT IMPERVIOUS SURFACE AREA IS 0.624 ACRES ON-SITE. THE TOTAL POST-PROJECT IMPERVIOUS SURFACE AREA IS 0.576 ACRES ON-SITE. THERE IS A REDUCTION OF ON-SITE IMPERVIOUS AREA DUE TO THE ADDITIONS OF C.3 PLANTERS AND LANDSCAPING.
4. THIS PROJECT DOES NOT QUALIFY AS A SPECIAL PROJECT UNDER ANY CATEGORY IN ACCORDANCE WITH THE ALAMEDA COUNTY CLEAN WATER PROGRAM'S "C.3 STORMWATER TECHNICAL GUIDANCE", VERSION 6.
5. THERE IS A TOTAL OF 25,084 SQUARE FEET OF POST-PROJECT IMPERVIOUS SURFACE AREA, INCLUDING THE NON-TREATED AREA ON-SITE (158 SQUARE FEET). THE LANDSCAPED AREA ON-SITE IS APPROXIMATELY 618 SQUARE FEET, AND C.3 PLANTERS AREAS ARE 1,499 SQUARE FEET.
6. THE PROPOSED IMPERVIOUS SURFACE AREA ON-SITE TO BE TREATED BY C.3 PLANTERS IS 24,926 SQUARE FEET. AS A RESULT, 99.4% OF THE TOTAL POST-PROJECT IMPERVIOUS AREA ON-SITE IS TREATED WITH LID MEASURES.
6. DESIGN CRITERIA
   - 6.1. MEAN ANNUAL PRECIPITATION = 24 INCHES PER ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT, ATTACHMENT 6
   - 6.2. HYDRAULIC DESIGN CRITERIA: 0.2 INCHES PER HOUR RAINFALL INTENSITY



NO.	DATE	DESCRIPTION	ck	AGENCY

PRELIMINARY NOT FOR CONSTRUCTION

25TH STREET ROSE ASSOCIATES, LLC
1041 TO 1082 CALCOT PLACE
CAPPING PLAN
IMPROVEMENT PLAN
OAKLAND CALIFORNIA

DATE: 09-27-21
SCALE
HORZ: 1"=30'
VERT: NONE
DESIGNED BY: DBR
REVIEWED BY: SEH

SITE IMPROVEMENTS

STORMWATER CONTROL PLAN

C6.00
PAGE 9 OF 9

F:\Projects\2019\19-1005-CALCOT PLACE OAKLAND\DWG\PS\SITE IP\1905-SITE-SWCP.dwg 9/27/2021

dk JOB# 19-1005-20

ATTACHMENT C.9.1

City of Oakland

Contractor IPM Certification(s) or Equivalent

QualityPro

GREENPRO SERVICE CERTIFICATION

GREENPRO CERTIFIED PEST MANAGEMENT

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.

QualityPro
the mark of excellence in pest management

OFFICIAL SIGNATURE

EXPIRES 1/2024

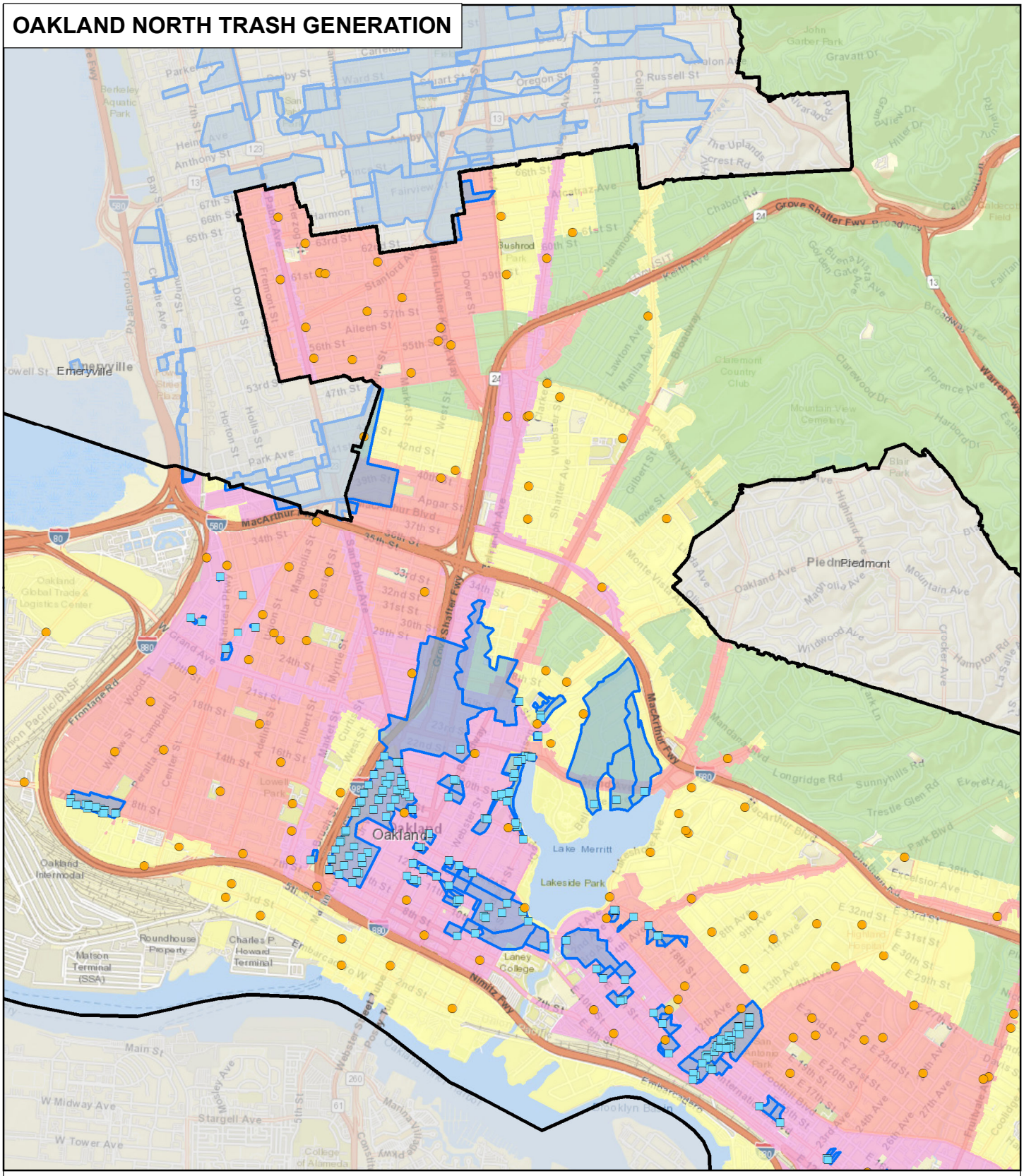
ATTACHMENT C.10.1

City of Oakland Full Trash Capture

Maps

FY 2022-2023

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

0 0.45 0.9

Miles

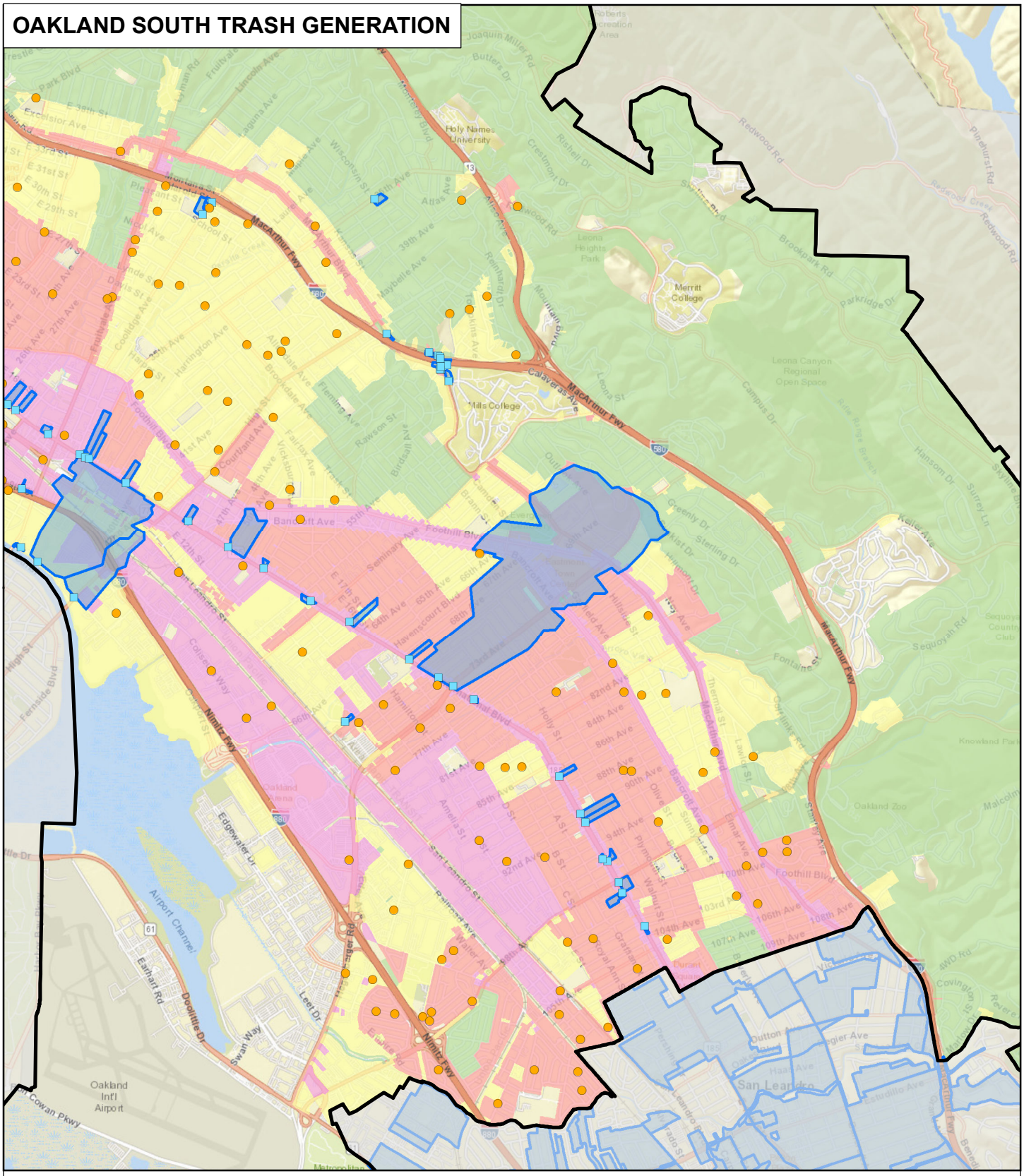
NOTES

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

Date Created: September 21, 2023

N

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

0 0.5 1
Miles

NOTES

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

Date Created: September 21, 2023

N

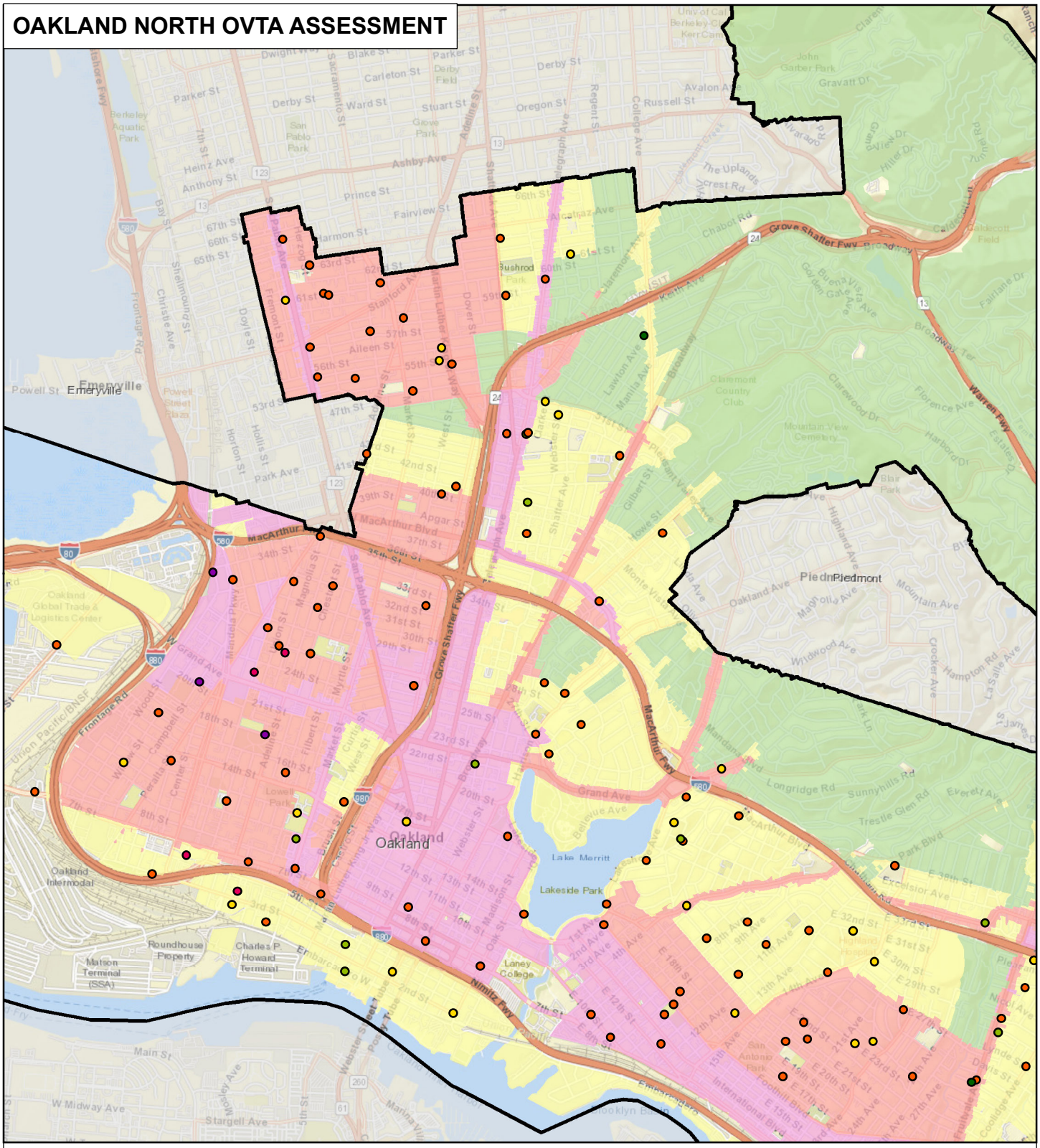
ATTACHMENT C.10.2

City of Oakland

On-Land Visual Trash Assessment Maps

FY 2022-2023

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

0 0.5 1
Miles

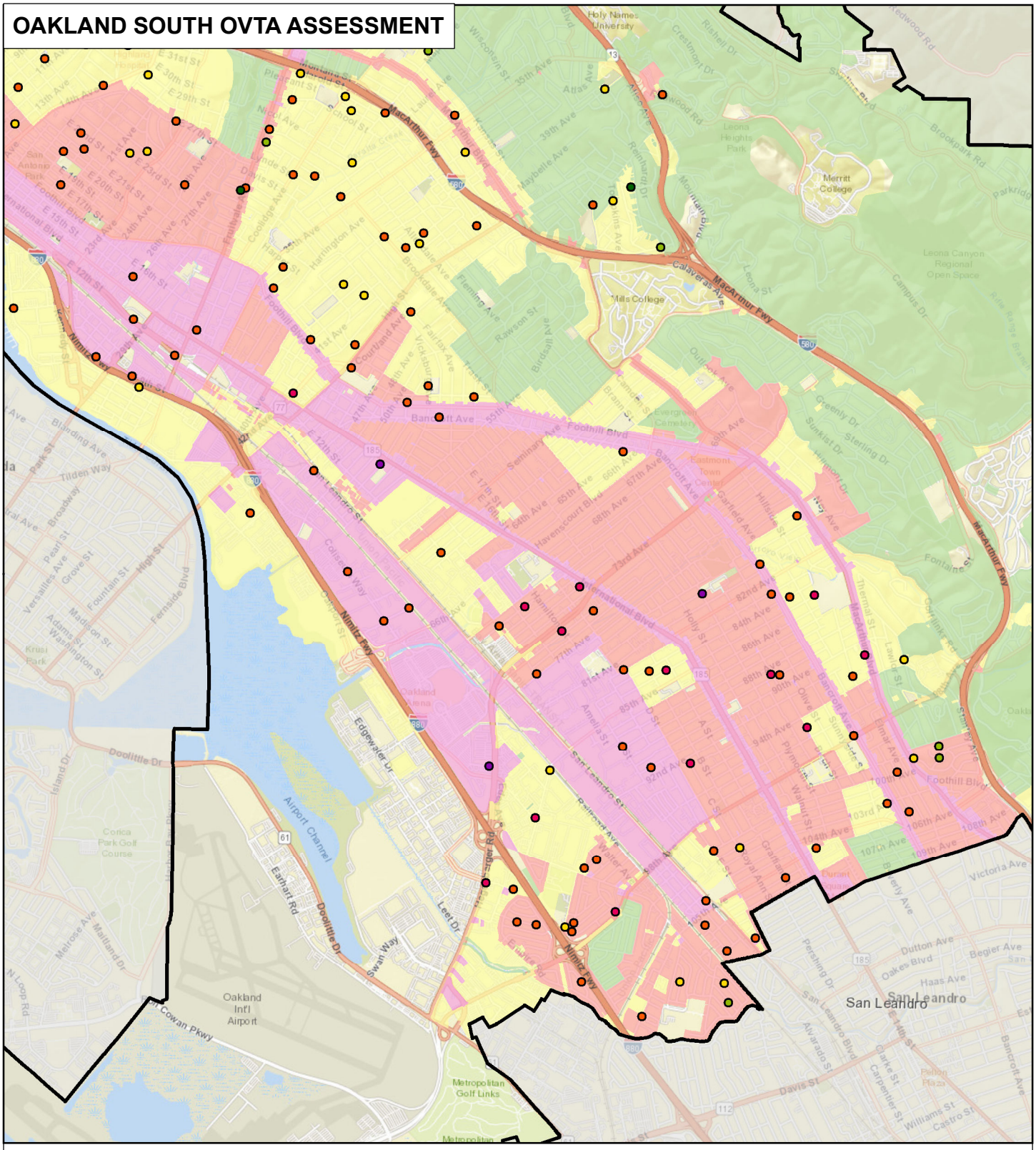
NOTES

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

Date Created: September 21, 2023

N

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

0 0.5 1
Miles

NOTES

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

Date Created: September 21, 2023

N

ATTACHMENT C.10.3

City of Oakland Summary of Cleanups Used for Creek and Shoreline Offset FY 2022-2023

Summary of Cleanups Used for Creek and Shoreline Offset

In FY 2022-2023 the City continued to use the approved volunteer trash removal rate (11.6 gallons/per hour) that was developed and submitted to the Water Board in FY 2018-2019. The volume data (gallons) directly reported by volunteers is shown in cells with gray shading. All other volume data (gallons) was calculated 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.

Table 1: Adopt a Creek Volunteer Totals

No.	Creek or Waterway	Location	Organization	No. of events	Date or Frequency	Trash removed (Gallons)
1	Arroyo Viejo Creek	9110 Fontaine St.	Blandon/Glenly Road Neighbors	1	4/29/2023	150
2	Arroyo Viejo Creek	9530 Mountain Blvd.	Individual	1	5/17/2023	690
3	Arroyo Viejo Creek	8130 Bancroft Ave.	Trees for Oakland	1	4/1/2023	600
4	Arroyo Viejo Creek	Arroyo Viejo Park	City of Oakland - Department of. Violence Prevention in partnership with Black Cultural Zone and HOMIES Empowerment	48	1x/week	2,227.20
5	Arroyo Viejo Creek	Glenn Daniel King Estates Open Space Park	Cocina del Corazón	24	2x/month	1,113.60
6	Arroyo Viejo Creek	78th and 79th Ave cul de sac entries to Arroyo Viejo Park	Individual	48	1x/week	556.8
7	Arroyo Viejo Creek	2500 (approx) Ritchie St (Corner of Ritchie and Bancroft - East side of Bancroft Ave)	Individual	48	1x/week	556.8

8	Arroyo Viejo Creek	Along both sides of 73rd Ave between 73rd Avenue and Hawley Avenue.	Individual	48	1x/week	556.8
9	Arroyo Viejo Creek	Corner of Krause and Maywood Ave, near Arroyo Viejo Park	Individual	48	1x/week	556.8
10	Arroyo Viejo Creek	Arroyo Viejo Park	Keepers of Existence	6	1x/month	417.60
11	Arroyo Viejo Creek	Along Golf Links Road and creek through park	Majestic Real Estate Group	48	1x/week	2,227.20
12	Arroyo Viejo Creek	9774 Mountain Blvd.	Associated Residents of Sequoyah Highlands (ARSH)	1	3/4/2023	151
13	Arroyo Viejo Creek	9774 Mountain Blvd.	Associated Residents of Sequoyah Highlands (ARSH)	1	4/1/2023	180
14	Arroyo Viejo Creek	10041 Golf links Rd.	Associated Residents of Sequoyah Highlands (ARSH)	1	2/4/2023	330
15	Arroyo Viejo Creek	45 Elysian Fields Dr.	Associated Residents of Sequoyah Highlands (ARSH)	1	10/1/2022	590
16	Arroyo Viejo Creek	9770 Golf Links Rd.	Associated Residents of Sequoyah Highlands (ARSH)	1	7/2/2022	300
17	Arroyo Viejo Creek	9522 Mountain Blvd.	Associated Residents of Sequoyah Highlands (ARSH)	1	8/20/2022	455
18	Arroyo Viejo Creek	10041 Golf links Rd.	Associated Residents of Sequoyah Highlands (ARSH)	1	10/15/2022	665
19	Arroyo Viejo Creek	Golf Links Rd. & Mountain Blvd.	Associated Residents of Sequoyah Highlands (ARSH)	1	6/3/2023	210

20	Arroyo Viejo Creek	Arroyo Viejo Park	Friends of Arroyo Viejo	47	1x/week	4361.6
21	Arroyo Viejo Creek	The Cul de Sac entrance to Arroyo Viejo park on 78th Ave and Arthur St.	Arroyo Viejo Association of Neighbors	48	1x/week	4,454.40
22	Arroyo Viejo Creek	Knowland Park	Individual	48	1x/week	556.8
23	Arroyo Viejo Creek	Golf Links Road	Individual	30	1x/week	870
24	Arroyo Viejo, Peralta & Seminary Creek	Arroyo Viejo Park, Cesar Chavez Park, Rainbow Rec Center & surrounding neighborhoods	Team Oakland	45	3x/week	31,750
25	Country Club Branch	Mountain and Calafia Ave, Oakland, California, 94605	Individual	4	4x/year	660
26	Courtland Creek	3434 High St.	Neighbors	2	1/16/2023, 3/18/2023	480
27	Courtland Creek	2265 Courtland Ave. Courtland Creek Park spur/median	Adopt a Spot volunteers	52	1x/week	603.2
28	Courtland Creek	Courtland Creek (Courtland Ave & Fairfax St)	Friends of Courtland Creek	192	4x week	2,227.20
29	Courtland Creek	Courtland Creek Park	Melrose Neighborhood Council	10	1x/month	1,200.00
30	Courtland Creek	Courtland and Redding	Maxwell Park Neighborhood Council Blight & Beautification committee	48	1x/week	1,113.60
31	Courtland Creek	3434 High Street behind Walgreens	Maxwell Park Neighborhood Council Blight & Beautification committee	12	1x/month	556.8
32	Courtland Creek	3434 High St.	High Street Coalition	1	2/18/2023	600
33	Courtland Creek	3434 High St.	High Street Coalition	1	7/9/2022	540
34	Courtland Creek	3434 High St.	High Street Coalition	1	7/23/2022	450

35	Courtland Creek	3434 High St.	High Street Coalition	1	12/3/2022	750
36	Courtland Creek	3434 High St.	High Street Coalition	1	11/19/2022	600
37	Courtland Creek	3434 High St.	High Street Coalition	1	3/11/2023	840
38	Courtland Creek	3434 High St.	High Street Coalition	1	4/28/2023	540
39	Courtland Creek	3434 High St.	High Street Coalition	1	4/28/2023	540
40	Courtland Creek	3434 High St.	High Street Coalition	1	4/14/2023	300
41	Courtland Creek	3434 High St.	High Street Coalition	1	5/27/2023	750
42	Courtland Creek	3434 High St.	High Street Coalition	1	6/10/2023	540
43	Courtland Creek	3434 High St.	High Street Coalition	1	12/17/2022	450
44	Courtland Creek	3434 High St.	High Street Coalition	1	11/18/2022	750
45	Courtland Creek	3434 High St.	High Street Coalition	1	2/11/2023	450
46	Courtland Creek	3434 High St.	High Street Coalition	1	1/28/2023	1350
47	Courtland Creek	3434 High St.	High Street Coalition	1	1/14/2023	900
48	Courtland Creek	3434 High St.	High Street Coalition	1	12/17/2022	750
49	Courtland Creek	3434 High St.	High Street Coalition	1	12/2/2022	660
50	Courtland Creek	Courtland Creek Park	Friends of Courtland Creek	1	9/17/2022 & 4/22/2022	7,200
51	East Creek Slough	East Creek Slough	Coliseum Public Market	48	weekly	6,480
52	Elmhurst Creek	75th Ave/San Leandro Street to 92nd Ave and International Blvd.	Individual	3	3x/year	900
53	Glen Echo Creek	1977 Pleasant Valley Ave.	Individual	1	1/3/2023	60
54	Glen Echo Creek	Glen Echo Park	Friends of Glen Echo Creek	24	2x month	360
55	Glen Echo Creek	Oak Glen Park	Friends of Oak Glen Park	48	1x/week	360
56	Glen Echo Creek	3504 Richmond Blvd	Individual	24	2x/month	360
57	Glen Echo Creek	Broadway at 30th	Individual	24	2x/month	556.8
58	Glen Echo Creek	Montell St & Piedmont Ave	Individual	48	1x/week	556.8
59	Glen Echo Creek	29th St & Fairmount St.	Nomadic Press	4	4x/year	1856
60	Glen Echo Creek	Oak Glen Park	Numi Organic Tea	12	1x/month	360

61	Glen Echo Creek	84 Monte Vista Ave.	Piedmont Avenue Neighborhood Improvement League (PANIL)	4	4x/year	696
62	Glen Echo Creek & Lake Merritt	Veterans building park along Glen Echo Creek	Individual	48	1x/week	556.8
63	Glen Echo Creek & Lake Merritt	2300 block of Harrison St, Grand Ave & Harrison St, and Lake Merritt	Rose Mary Jane	350	7x/week	4,060
64	Harwood Creek	901 Alvarado Rd.	Garber Park Stewards	1	11/19/2022	30
65	Harwood Creek	Garber Park	Garber Park Stewards	24	2x month	1,392
66	Harwood Creek	Along Claremont Ave from Claremont Hotel up to the end at Grizzly Peak Blvd.	Individual	24	2x/month	556.8
67	Horseshoe Creek	4444 Mountain Blvd.	Buffalo Soldiers Oakland Bay Area Motorcycle Club	2	1x/week	232
68	Horseshoe Creek	4444 Mountain Blvd.	Friends of Leona Heights Park	24	2x/month	1,113.60
69	Horseshoe Creek	Mountain Blvd, Leona St and Rusting	Individual	48	1x/week	3,340.80
70	Horseshoe Creek	Campus Drive by Carl B Munck Elementary School	Individual	96	2x/week	1,113.60
71	Horseshoe Creek (Lion Creek)	York Trail Head- Mtn Blvd on -ramp	Individual	12	1x/month	1,113.60
72	Lake Merritt	17th St. & Lakeside Dr.	David Bowie Kidds	1	3/10/2023	90
73	Lake Merritt	568 Bellevue Ave.	Individual	1	9/21/2022	600
74	Lake Merritt	Lakeside Park & shoreline along Lakeshore Ave.	2 Individuals	48	1x/week	1,113.60
75	Lake Merritt	Brooklyn Avenue Near Lake Merritt	2 Individuals	48	1x/week	1,113.60

76	Lake Merritt	The Pagoda at Lake Merritt	Alameda County Family Justice Center Chapter of VOICES	12	1x/month	556.8
77	Lake Merritt	Snow Park	Friends of Snow Park	350	7x/week	6090
78	Lake Merritt	Pittman Green at Lake Merritt	Individual	48	1x week	2,227.20
79	Lake Merritt	Lakeshore and Wayne Ave	Individual	350	7x/week	4,060
80	Lake Merritt	Lake Merritt shoreline along Lakeshore Ave from Pittman Green to 1200 Lakeshore Ave	Individual	12	1x/month	278.4
81	Lake Merritt	Lake Merritt; Grand Lakeside	Individual	12	1x/month	556.8
82	Lake Merritt	Lakeside Park and Lake Merritt shoreline along Lakeshore Ave.	Individual	48	7x/week	1,113.60
83	Lake Merritt	Litter pick up underneath and around underpass of 580 highway, either Harrison St. or Oakland Ave	Individual	12	1x/month	278.4
84	Lake Merritt	On Lakeshore Ave	Individual	48	1x/week	556.8
85	Lake Merritt	Lakeside Park	Junior Center for Art and Science	48	1x week	1,113.60
86	Lake Merritt	The light poles around Lake Merritt and clean them up, remove graffiti, stickers, etc.	Lake Merritt Breakfast Club	12	1x/month	556.8
87	Lake Merritt	The shoreline near the Lake Merritt Boating Center	Lake Merritt Observatory	12	1x/month	556.8
88	Lake Merritt	Lakeshore between Boden Way and Embarcadero	Maison Invisible Colors	4	4x/year	278.4
89	Lake Merritt	Shoreline near Lake Merritt Boating Center	Oakland Women's Rowing Club	12	1x/month	278.4

90	Lake Merritt	The grounds of the Rotary Nature Center bird sanctuary yard in Lakeside Park	Rotary Nature Center Friends	1	7/23/2022	30
91	Lake Merritt	The grounds of the Rotary Nature Center bird sanctuary yard in Lakeside Park	Rotary Nature Center Friends	1	7/29/2022	30
92	Lake Merritt	The grounds of the Rotary Nature Center bird sanctuary yard in Lakeside Park	Rotary Nature Center Friends	1	7/15/2022	30
93	Lake Merritt	The grounds of the Rotary Nature Center bird sanctuary yard in Lakeside Park	Rotary nature center friends	1	8/20/2022	30
94	Lake Merritt	The grounds of the Rotary Nature Center bird sanctuary yard in Lakeside Park	Rotary Nature Center Friends	1	11/19/2022	30
95	Lake Merritt	The grounds of the Rotary Nature Center bird sanctuary yard in Lakeside Park	Rotary Nature Center Friends	1	11/26/2022	30
96	Lake Merritt	The grounds of the Rotary Nature Center bird sanctuary yard in Lakeside Park	Rotary Nature Center Friends	1	12/17/2022	30
97	Lake Merritt	The grounds of the Rotary Nature Center bird sanctuary yard in Lakeside Park	Rotary Nature Center Friends	1	2/21/2023	225
98	Lake Merritt	The grounds of the Rotary Nature Center bird sanctuary yard in Lakeside Park	Rotary Nature Center Friends	1	2/25/2023	600
99	Lake Merritt	The grounds of the Rotary Nature Center bird sanctuary yard in Lakeside Park	Rotary Nature Center Friends	1	6/30/2023	90

100	Lake Merritt	The grounds of the Rotary Nature Center bird sanctuary yard in Lakeside Park	Rotary Nature Center Friends and New Voices Are Rising	1	2/19/2023	150
101	Lake Merritt	Splash Pad Park	SplashPad.org	12	1x/month	556.8
102	Lake Merritt	Lake Merritt shoreline near Fairyland	TITLE Boxing Club Oakland Central	12	1x/month	556.8
103	Lake Merritt	Lake Merritt - area surrounding	Lake Merritt Institute	47	weekly	67,740
104	Lake Merritt	Lake Merritt Channel	Lake Merritt Channel Allies	2	1/21/2023 & 4/22/2023	360
105	Lake Merritt	Lake Merritt Pergola to East Lake Park	Lake Merritt Advocates	96	2x/week	2,227.20
106	Lion Creek	6725 Lion Way	Amazon	48	1x/week	556.8
107	Lion Creek	966 66th Avenue	Individual	48	1x/week	556.8
108	Lion Creek	McCrea Park (outside) along Carson Street	Individual	48	1x/week	556.8
109	Lion Creek	Lion Way and Hawley Street near Lion Creek Crossings	Individual	12	1x month	139.2
110	Lion Creek	McCrea Park & Trout ponds	Individual	48	1x/week	556.8
111	Lion Creek	6818 Lion Way	Lion Creek Crossings Family Resource Center	12	1x month	556.8
112	Lion Creek	Lion Creek Crossings, Lion Creek	Lion Creek Crossings Family Resource Center	12	1x month	5,011
113	Oakland Estuary	300 Derby Avenue.	Individual	1	2/5/2023	90
114	Oakland Estuary	Glascock Street and Derby Ave	Individual	12	1x/month	139.2
115	Oakland Estuary	Sausal Creek mouth, Jingletown	Jingletown Arts and Business Community	96	2x week	8,640
116	Oakland Estuary	Union Point Park	Neighbors	24	2x/month	3,600
117	Oakland Estuary	Estuary Park	Individual	12	1x/month	720
118	Oakland Estuary	Jack London Square	Individual	48	1x/week	1,440

119	Oakland Estuary	East Shore Park	Individual	12	1x/month	720
120	Oakland Estuary	Jingletown	Jingletown Arts and Business Community	11	1x/month	600
121	Oakland Estuary	300 Derby Ave	Jingletown	1	9/17/2022	765
122	Peralta Creek	2170 Santa Rita St.	Friends of Jungle Hill	1	3/23/2023	150
123	Peralta Creek	2170 Santa Rita St.	Friends of Jungle Hill and Harrington Neighbors	1	3/16/2023	180
124	Peralta Creek	2170 Santa Rita St.	jungle hill collective	1	5/20/2023	30
125	Peralta Creek	2465 34th Ave.	Peralta Hacienda Historical Park	1	12/18/2022	750
126	Peralta Creek	Cesar Chavez park	Canticle Farm	12	1x/month	696
127	Peralta Creek	Wisconsin St. & Rettig Ave.	Friends of Peralta Creek Park	12	1x/month	556.8
128	Peralta Creek	Peralta Hacienda Historical Park	Friends of Peralta Hacienda Historical Park	12	1x/month	696
129	Peralta Creek	Cesar Chavez park	Individual	12	1x/month	139.2
130	Peralta Creek	Peralta Creek Park - 4000 Rettig Avenue	Individual	350	7x/week	
131	Peralta Creek	Between 38th Avenue & 39th Avenue	Individual	48	1x/week	556.8
132	Peralta Creek	35th Ave between Sutter & Delaware including onramp	Individual	24	2x/month	139.2
133	Peralta Creek	Cul-de-sac at end of Eden Lane.	True Buddha Vijaya Temple	12	1x/month	835.2
134	Peralta Creek	3705 Foothill Blvd.	Unity Council & Fruitvale Alliance Neighbors	4	4x/year	1,856
135	Peralta Creek	2465 34th Ave (Peralta Hacienda Historical Park)	Peralta Hacienda Historical Park	12	1x/month	1,440
136	Peralta Creek	35th & Delaware art garden	Indib	12	1x/month	2,160
137	Peralta Creek	35th Ave., MacArthur - Kansas		96	2x/week	8,640

138	Peralta Creek	Foothill Blvd & Bridge Ave		78	1-2x/week	4320
139	Peralta Creek	Midvale & Georgia		48	1x/week	1,113.60
140	Peralta Creek	Peralta Creek at Peralta Hacienda Park		12	1x month	2,088
141	Peralta Creek	3514 Butters Dr.	Butters Canyon Conservancy	1	3/25/2023	120
142	Peralta Creek	Cesar Chavez Park	Individual	47	weekly	545.2
143	Peralta Creek, Sausal Creek	Fruitvale neighborhood	Fruitvale Alliance Neighbors	24	2x/month	3,340.80
144	Radio Beach	Beach to the right of Bay Bridge Toll Plaza	KGB Kiteboarding	12	1x/month	278.4
145	Redwood Creek	Redwood Rd turnout between Moraga and Chabot entrance	Individual	12	1x/month	417.6
146	San Leandro Creek	105th Ave and Edes Avenue heading south to dead end at HWY 880, near the Planting Justice Nursery	Arsola's House and Arsola's Distribution Center and Community Services, https://arsola.org/	24	2x/month	4,176
147	San Leandro Creek	Pardee Ln (Edgewater to San Leandro Creek)	C.A.T. Associates, LLC/ CAC Associates, LLC	12	1x/month	1,392
148	San Leandro Creek	Creek area around Hegenberger Rd	Friends of San Leandro Creek	4	4x/year	1,392
149	San Leandro Creek	105th Ave at Edes St	Individual	96	2x/week	3,541.50
150	Sausal Creek	Barry Place	The Friends of Barry Place	11	1x/month	348
151	Sausal Creek	3300 Joaquin Miller Rd.	Bicycle Trails Council of the East Bay	1	12/5/2022	60
152	Sausal Creek	1001 Fruitvale Ave.	District 5 clean up	1	9/17/2022	450
153	Sausal Creek	1001 Fruitvale Ave.	District 5 clean up	1	11/26/2022	1210
154	Sausal Creek	1001 Fruitvale Ave.	District 5 clean up	1	9/10/2022	1500
155	Sausal Creek	1001 Fruitvale Ave.	Individual	1	7/12/2022	1800
156	Sausal Creek	Fruitvale Ave. & Damuth St.	Individual	1	12/31/2022	30
157	Sausal Creek	Fruitvale Ave. & Damuth St.	Individual	1	2/1/2023	30

158	Sausal Creek	Scout Rd. & Mountain Blvd.	PPNA	1	1/18/2023	180
159	Sausal Creek	3860 Hanly Rd.	Renaissance International School & Friends of Dimond Park	1	4/11/2023	30
160	Sausal Creek	2055 MacArthur Blvd.	Keep Dimond Clean	1	5/31/2023	300
161	Sausal Creek	2055 MacArthur Blvd.	Keep Dimond Clean	1	6/3/2023	240
162	Sausal Creek	2055 MacArthur Blvd.	Keep Dimond Clean	1	6/7/2023	90
163	Sausal Creek	2055 MacArthur Blvd.	Keep Dimond Clean	1	6/10/2023	480
164	Sausal Creek	2055 MacArthur Blvd.	Keep Dimond Clean	1	6/14/2023	150
165	Sausal Creek	2055 MacArthur Blvd.	Keep Dimond Clean	1	6/17/2023	180
166	Sausal Creek	2055 MacArthur Blvd.	Keep Dimond Clean	1	6/21/2023	150
167	Sausal Creek	2055 MacArthur Blvd.	Keep Dimond Clean	1	6/24/2023	180
168	Sausal Creek	2055 MacArthur Blvd.	Keep Dimond Clean	1	6/28/2023	180

169	Sausal Creek	2055 MacArthur Blvd.	Keep Dimond Clean/Dimond Improvement Association	1	5/27/2023	180
170	Sausal Creek	10060 Skyline Blvd.	Friends of Joaquin Miller Park	12	1x/month	348
171	Sausal Creek	Josie de la Cruz Park	Friends of Josie de la Cruz Park	48	1x/week	1,113.60
172	Sausal Creek	1382 El Centro Ave	Friends of Sausal Creek	12	1x/month	348
173	Sausal Creek	3594 Sanborn Rd	Friends of Sausal Creek	12	1x/month	208.8
174	Sausal Creek	10570 Skyline Blvd.	Friends of Sausal Creek	12	1x/month	139.2
175	Sausal Creek	3860 Hanly Rd., native plant demonstration garden	Friends of Sausal Creek	12	1x/month	348
176	Sausal Creek	Open space surrounding the Police Activities League (PAL) Camp. 10100 Skyline Blvd	Friends of Sausal Creek	12	1x/month	139.2
177	Sausal Creek	2920 McKillop Rd.	Friends of Wood Park	12	1x/month	348
178	Sausal Creek	E 27th street from Fruitvale to 25th Ave.	Individual	48	1x/week	556.8
179	Sausal Creek	Along Skyline near Castle Drive	Individual	48	1x/week	556.8
180	Sausal Creek	Park blvd from 13 to Leimert Blvd. Adjacent to Dimond Canyon	Individual	12	1x/month	139.2
181	Sausal Creek	Dimond Canyon Park, Bridgeview Trail & pollinator garden	Individual, Friends of Sausal Creek	24	2x/month	278.4
182	Sausal Creek	500 Peterson Street	Jingletown Community Arts & Business	12	1x/month	1392
183	Sausal Creek	Joaquin Miller Park	Park Patrol	24	2x/month	720
184	Sausal Creek	Dimond Park, Fruitvale and Lyman	Individual, Friends of Sausal Creek	12	1x/month	3,898.05
185	Sausal Creek	Josie De La Cruz Rec. Ctr	Individual	11	1x/month	660

186	Sausal Creek	E 27th street from Fruitvale to 25th Ave.	Individual	24	2x/month	720
187	Sausal Creek	Park Blvd	Individual	96	2x/week	2,227.20
188	Sausal Creek	Beaconsfield Canyon	Friends of Sausal Creek	2	2/27/2023, 3/18/2023	120
189	Sausal Creek	Sausal Creek watershed - various locations	Friends of Sausal Creek	145	3x/week	1,998
190	Sausal Creek	Fruitvale Bridge Park	Oakland Public Works	23	2x/month	3,304
191	Sausal Creek	Shepherd Canyon Park	Individual, Friends of Sausal Creek	48	1x/week	556.8
192	Sausal Creek	Dimond Park	Friends of Dimond Park	1	8/20/2022	60
193	Sausal Creek	Dimond Park	Friends of Dimond Park	1	10/15/2022	90
194	Sausal Creek	Dimond Park	Friends of Dimond Park	1	1/21/2023	30
195	Sausal Creek	Dimond Park	Friends of Dimond Park	1	2/18/2023	30
196	Sausal Creek	Dimond Park	Friends of Dimond Park	1	3/18/2023	30
197	Sausal Creek	Dimond Park	Friends of Dimond Park	1	4/15/2023	30
198	Sausal Creek	Dimond Park	Friends of Dimond Park	1	5/20/2023	60
199	Sausal Creek	Dimond Park	Friends of Dimond Park	1	6/17/2023	90
200	Sausal Creek	5837 Snake Rd.	Friends of Montclair RR Trail	1	11/19/2022	30
201	Sausal Creek	5837 Snake Rd.	Friends of Montclair RR Trail	1	1/21/2023	30
202	Sausal Creek	5837 Snake Rd.	Friends of Montclair RR Trail	1	3/18/2023	30
203	Sausal Creek	5837 Snake Rd.	Friends of Montclair RR Trail	1	5/20/2023	28
204	Sausal Creek, Peralta Creek	Noel Gallo - Oakland City Council District 5 - Clean Streets = Safe Streets		104	2x/week	113,664
205	Shepherd Creek	5884 Escher Drive	Shepherd Canyon Homeowner's Association	4	4x/year	556.8

206	Shoreline	550 El Embarcadero, Oakland, CA 94610	Abundant Aid	12	1x/month	278.4
207	Shoreline	Estuary Park	Bay Area Black Divers	4	4x/year	185.6
208	Shoreline	115 Embarcadero	East Bay Rowing Club	12	1x/month	278.4
209	Shoreline	Jack London Square near 472 Water Street	Individual	48	1x/week	556.8
210	Shoreline	Path between Eve's Restaurant and Jack London Square	Individual	48	1x/week	556.8
211	Shoreline	115 Embarcadero, Oakland, CA 94607	Individual	12	1x/month	139.2
212	Shoreline	115 Embarcadero, Oakland, CA 94607	Individual	12	1x/month	139.2
213	Shoreline	Union point park	Individual	20	1x/week	556.8
214	Shoreline	Along 9th Ave. from brooklyn basin way to embarcardero	Individual	48	1x/week	556.8
215	Shoreline	Waterfront stretch and lawn/bushes along Jack London Square	Individual	48	1x/week	556.8
216	Shoreline	Round planter area behind Aquatic Center building	Individual	12	1x/month	139.25
217	Shoreline	5000 Proctor	Kramer Media	12	1x/month	278.4
218	Shoreline	Embarcadero and Dennison/Livingston Street at 22nd Avenue	Mountain Remedy	4	4x/year	464
219	Shoreline	48 5th Avenue - Clinton Basin wetlands	Neap Tide Ninjas	12	1x/month	1,113.60
220	Shoreline	Union Point Park	Oakland Spanish Seventh-Day Adventist Church	12	1x/month	1,113.60
221	Shoreline	4th street in Jack London & the Oakland Estuary Park	TheQueerView.com	12	1x/month	417.6
222	Temescal Creek	6840 Balsam Way.	Individual	1	12/18/2022	30

223	Temescal Creek	6840 Balsam Way.	Individual	1	11/27/2022	30
224	Temescal Creek	6840 Balsam Way.	Individual	1	5/20/2023	30
225	Temescal Creek	Temescal Rockridge Greenbelt	DMV Neighbors Association (DNA)	12	1x/month	1,670.50
226	Temescal Creek	Redondo Ave. & Cavour St.	DMV Neighbors Association (DNA)	4	4x/year	464
227	Temescal Creek	55th street between Lowell and San Pablo along both sides	Individual	12	1x/month	278.5
228	Temescal Creek	Adjacent to upper Broadway, south of Hwy. 24	North Hills Landscape Committee	4	4x/year	464
229	Temescal Creek	5437 Claremont Ave	Individual	48	1x/week	2,222
230	Temescal Creek	North Oakland Sports Field	North Hills Landscape Committee	12	1x/month	390
			Total events	**5,672**	**Total Trash Removed (gallons)**	**422,273**

Table 2. Citywide Events Volunteer Totals

Event	# of Volunteers	Total Hours	Total Gallons
Creek to Bay Day 2022	**1,070**	**4,186**	**11,550**
Martin Luther King Jr Day 2023	**740**	**2,740**	**8,380**
Earth Day 2023	**1,504**	**2,259**	**23,520**
Totals	**3,314**	**9,185**	**43,450**

ATTACHMENT C.10.4

City of Oakland

Direct Discharge Plan Progress

Report FY 2022-2023

CITY OF OAKLAND
DIRECT TRASH DISCHARGE CONTROL REPORT

Fiscal Year 2022-23

September 25, 2023

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SECTION 1: INTRODUCTION

The purpose of this Direct Trash Discharge Control Report (Direct Discharge Report) is to provide an update on the progress that the City of Oakland (City) has made on the implementation of its Direct Discharge Trash Control Program (Direct Discharge 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 its Direct Discharge Control Plan (Direct Discharge Plan) dated February 2019. Information provided in this Direct Discharge Report focuses on the efforts made by the City during FY 2022-23 and is submitted in accordance with the 2019 Direct Discharge Plan.

The information contained within this report supports the City's 15% trash load reduction offset included in its FY 2022-23 Annual Report and claimed in accordance with the Provision C.10.e.ii of the Regional Water Board Municipal Regional Stormwater National Pollutant Discharge Elimination System Permit (NPDES Permit No. CAS612008, Order No. R2-2015-0049) (MRP 2.0). The MRP allows Permittees to offset part of Provision C.10.a trash load percent reduction requirements by implementing a comprehensive plan, approved by the Executive Officer to control direct discharges of trash to receiving waters from non-storm drain system sources. The Provision sets a maximum of 15% offset credit. MRP Provision C.10.f.ix. requires that Permittees claiming a C.10.e.ii offset include the following with their annual report:

- A summary description of control actions;
- Receiving water assessment results;
- Quantification of trash volume controlled;
- Assessment of resulting improvements in receiving water condition; and
- The claimed offset and documentation of information used in the C.10.f.i formula.

This Direct Discharge Report fulfills these requirements and is structured as follows:

- **Section 2** provides background information on the City and the regulatory context of the Direct Discharge Program.
- **Section 3** provides a summary description of the City's homelessness prevention and support programs and the City's efforts to manage and control trash and debris associated with homeless encampments.
- **Section 4** provides a summary description of the City's efforts to prevent and control illegal dumping.
- **Section 5** quantifies the results of the City's efforts to prevent, control, and remove trash associated with homeless encampments and illegal dumping.
- **Section 6** includes an initial assessment of improvements to receiving waters resulting from the City's control efforts.

- **Section 7** presents the City's funding and planned actions for the Direct Discharge program in FY 2022-23 and beyond.

- **Section 8** presents the claimed trash reduction offset and supporting information.

The Regional Water Board adopted MRP 3.0 in May 2022 which requires Permittees with an existing Direct Discharge Control Program approved during MRP 2.0 (NPDES Permit No. CAS612008, Order No. R2-2015-0049) to submit an updated plan for approval by April 1, 2023, if they intend to continue claiming trash load percent reduction offsets. As such, the City submitted an updated Direct Discharge Plan to the Regional Water Board. The Direct Discharge Plan was approved by the Regional Water Board Executive Officer in August 2023 and will be implemented in FY 2023-24.

MRP 3.0 also includes a new provision (C.17) to address discharges associated with unsheltered homeless populations. Requirements include developing a Regional Best Management Practices (BMPs) Report, developing a map of unsheltered populations in relation to the storm drains and waterways, and identifying and evaluating existing BMPs to address unsheltered populations. The City is working, concurrently with the implementation of its Direct Discharge Program, to address the C.17 requirements, including efforts to identify and better understand unsheltered community-related discharges in the City, and associated mechanisms to address the issue and minimize water quality impacts to its municipal separate storm sewer system (MS4). Therefore, preliminary information from these efforts are also included in this report to consolidate information and best support future management decisions.

SECTION 2: BACKGROUND

2.1 CITY OF OAKLAND

Incorporated in 1852, the City of Oakland covers 36,749 acres in Alameda County. Of this land area, 29,266 acres are considered jurisdictional areas that are subject to trash load reduction requirements included in the MRP. According to the 2020 Census, Oakland has a population of 440,646, with a population density of 7,878 people per square mile and an average household size of 2.6 people.[1] Of the 440,646 people who call Oakland home, 19.6% are under the age of 18, 66.9% are between 18 and 65 years of age, and 13.5% are 65 years of age or older. In 2021, the median household income was $85,628, with 13.5% of Oakland's population living in poverty. There are seven primary land use categories within the City. A summary of the land uses within Oakland as depicted by the Association of Bay Area Governments' (ABAG) land use data layer (2005)[2] are provided in Table 1.

Table 1. Land uses of jurisdictional and non-jurisdictional land areas in the City of Oakland.

Land Use Category	Jurisdictional Area (Acres)	% of Jurisdictional Area
Commercial and Services	1,545	5.4%
Industrial	2,239	7.9%
Residential	16,767	59.0%
Retail	1,318	4.6%
K-12 Schools	810	2.8%
Urban Parks	602	2.1%
Other	5,143	18.1%

2.2 DIRECT DISCHARGE TRASH PATHWAY

Trash is transported to local creeks, Lake Merritt, and the San Francisco Bay through a number of different pathways, including the City's MS4. Pathways other than the City's MS4 include wind blowing trash directly to waterways, trash located near creeks, and trash left behind or dumped at homeless encampments in or near waterways. These non-MS4 pathways are collectively named "direct discharges." The two pathways that are addressed via the City's Direct Discharge Program are illegal dumping and homeless encampments. Background information on these direct discharge pathways is provided in the Direct Discharge Plan and is also described below. Additional information on the actions that the City is taking to address trash from the MS4 via its Long-Term Trash Load Reduction Plan is included in Section C.10 of the FY 2022-23 Annual Report to the Regional Water Board.

[1] According to the California Department of Finance (https://dof.ca.gov/Forecasting/Demographics/), the City of Oakland population as of January 2022 was 424,464, which is an 9% growth from 2010.

[2] ABAG (Association of Bay Area Governments). 2005. Bay Area Land Use Geographical Information Systems Data Layer.

2.2.1 Homeless Encampments

The homeless epidemic is a crisis for Oakland, the entire Bay Area, and every major city along the West Coast. According to the 2019 Alameda County Homeless Census and Survey Comprehensive Report[3] the unsheltered population in the City increased by 69% between 2017 and 2019. As discussed further in Section 5.1, according to the 2022 Point in Time Count (Census) there was an additional 24% increase in the unsheltered population in Oakland between 2019 and 2022. In response, the City's homeless encampment interventions increased as well. For example, trash removed from encampments increased by more than 131% from about 4.6 million gallons in FY 2020-21 to more than 10.5 million gallons in FY 2021-22. The homeless epidemic is a crisis with the number of homeless individuals increasing for Oakland, for the entire Bay Area, and for every major city along the West Coast.

Trash generated at, or dumped near, homeless encampments accumulates due to limited or non-existent sanitation and debris services. This unmanaged trash can lead to discharges to storm drains and directly to waterways. The Regional Water Board recognized the impacts that homelessness is having on water quality when they adopted *Resolution No. R2-2015-0024* (*Actions to Address the Adverse Water Quality Impacts of Homeless Encampments*) in 2015. The resolution encourages local agencies to undertake efforts to eliminate and prevent adverse water quality impacts from homeless encampments and found that discharges or dumping of trash and human waste from homeless encampments poses a significant threat to water quality and public health. The resolution also identifies the need for clear and measurable goals for protecting and restoring water quality and acknowledges that the problem of trash and human waste discharges from homeless encampments is entwined with complex and challenging societal issues, including poverty, the Bay Area's high cost of living, under-employment and unemployment. This resolution was a precursor to requirements for controlling discharges associated with unsheltered homeless populations (C.17) that were included in MRP 3.0 adopted in 2022. The trash control measures and other BMPs that the City is currently implementing to address water quality impacts associated with trash from homeless encampments are discussed in Sections 3 and 5.

2.2.2 Illegal Dumping

Oakland has a severe, well-documented problem with illegal dumping throughout the City. As described in the Direct Discharge Plan, Oakland Public Works Department (OPW) spends approximately $14 million on eradication of illegal dumping annually. City resources include 71 OPW staff members who collect illegally dumped materials and rapidly remove reported graffiti incidents. Crews remove the illegally dumped materials seven days a week and follow a performance standard of addressing 85% of the requests within three business days. In FY 2022-23, the City addressed over 30,000 work orders and removed more than 8.1 million gallons of illegally dumped debris and litter from City streets, parks and right-of-way (See Section 5.6.2). However, about half of the work order data was lost due to a ransomware attack, so these numbers are likely about twice as high. Even with this herculean effort, the challenge of the illegal dumping behavior persists. Illegal dumping blights Oakland, impacts both residential and commercial property owners, degrades local pride and is devastating to the community.

Thanks to the strong advocacy of Oakland's communities, the leadership of Oakland's elected officials, and the dedication and expertise of Oakland's seasoned Public Works staff, the City is

[3] EveryOne Home: https://everyonehome.org/wp-content/uploads/2019/07/2019_HIRDReport_Alameda_FinalDraft_8.15.19.pdf

investing more in services to address this urgent problem and is using data to develop effective illegal dumping reduction strategies. In spring 2017, the City conducted a survey of illegal dumping sites to help staff better understand the materials found in the public right-of-way and to determine the sources of the materials including trash.[4] The findings of the survey included: (1) more than 55% of the trash piles found included illegally dumped materials from residential sources; (2) the geographic source of 29% of the piles was identified as from Oakland; and (3) 32% of the piles were found in areas where the infrastructure was moderately to severely neglected. The data from the survey has assisted the City in developing strategies for addressing illegal dumping, including 1) eradicating illegally dumped materials from the streets; 2) enforcement to catch and prosecute the perpetrators of illegal dumping; and 3) educating Oakland residents and businesses on proper disposal methods and opportunities to take ownership and pride in their community. A progress update on the trash control measures intended to address illegal dumping in the City is discussed further in Section 5.

2.3 DIRECT TRASH DISCHARGE CONTROL PLAN

In February 2019, the City of Oakland prepared and submitted a Direct Discharge Plan to the Regional Water Board. The Direct Discharge Plan fulfilled the requirements of MRP 2.0 Provision C.10.e.ii. and focused on two main sources of trash to receiving waters—illegal dumping and homeless encampments. The Direct Discharge Plan describes the various programs the City has in place for homelessness prevention, support, and management, and illegal dumping abatement. It also includes the data that the City will collect and report to demonstrate the trash reduction associated with its control measures. The Direct Discharge Plan was approved by the Regional Water Board Executive Officer in April 2019. This Direct Discharge Report satisfies the monitoring and reporting elements for FY 2022-23, as described in the Direct Discharge Plan. In April 2023, an updated Direct Discharge Plan was submitted to the Regional Water Board to continue claiming trash load percent reduction offsets under the new MRP 3.0 (Provision C.10.f.ii). The updated Direct Discharge Plan was approved in August 2023 by the Regional Water Board Executive Officer and will begin implementation in FY 2023-24 (Attachment 1).

[4] City Public Works Committee Agenda Report (September 12, 2017 meeting) summarizing findings of the study can be found here: https://oakland.legistar.com/LegislationDetail.aspx?ID=3108761&GUID=91485569-0C10-4D75-B680-1C999F90AFBA.

SECTION 3: HOMELESS ENCAMPMENT TRASH CONTROLS

The City's efforts to minimize and control trash discharge from homeless encampments include homelessness prevention and support programs, as well as encampment management programs.[5] A description of the various programs and progress made in FY 2022-23 to meet C.10 and C.17 requirements of MRP 3.0 are provided in this section. Metrics associated with these efforts, including trash volume controlled, are presented in Section 5. Planned actions for FY 2023-24 are described in Section 7.

3.1 PREVENTION AND SUPPORT STRATEGIES AND PROGRAMS

As described in the Direct Discharge Plan, the City is working to address the homelessness crisis in a number of different ways, in partnership with Alameda County. These include:

- Allocating an unprecedented $41 million to prevent homelessness, stabilize unsheltered residents with hygiene support and interim housing/shelter, and help move them to permanently affordable housing.
- Providing emergency shelter and street outreach services when people become homeless (e.g., Family Front Door, Housing First Support Network, temporary cabin communities)
- Funding the construction of more affordable housing by leveraging Community Development Block Grants, Measure KK, Measure U, and County A-1 funds.

A summary of the City's efforts and any updates to the City's homeless encampment strategy since the completion of the Direct Discharge Plan in April 2019 are presented below and in the 2023 Direct Discharge Plan. These strategy updates also include efforts to meet requirements of Provision C.17 of MRP 3.0. For example, the City is working with the Bay Area Municipal Stormwater Collaborative (BAMSC) on a Regional Best Management Practices (BMPs) Report for Addressing Non-Stormwater Discharges Associated with Unsheltered Homeless Population. This report includes BMPs currently being implemented by various municipalities and for other municipalities to consider to address homeless-related discharges. It also includes challenges, lessons learned, and milestones for the future. This report will be submitted to the Regional Water Board in September 2023, as required by Provision C.17, and will be used to help inform future management decisions and coordinate regional efforts.

3.1.1 Shelter Crisis Declaration

The City has taken measures to expand the resources available for homeless encampment abatement activities. California Government Code Section 8698, et seq., allows the governing body of a city to declare a shelter crisis when a significant number of persons are without the ability to obtain shelter, resulting in a threat to their health and safety. In September of 2017, the Oakland City Council passed Ordinance Number 13456, which declared a shelter crisis in the City and, pursuant to California Government Code Section 8698.1:

[5] More information available online at: https://www.oaklandhomelessresponse.com/; and https://cao-94612.s3.amazonaws.com/documents/4.16.20-COVID-19-Homeless-Response-Update-Council-Info- Memo.pdf

"authorized [the City Administrator] in her discretion to suspend the provisions of state and local regulatory statutes, regulations, or ordinances prescribing standards of housing, health, or safety as needed for the interim establishment of shelters for the homeless to the extent that strict compliance would in any way prevent, hinder, or delay the mitigation of the effects of the shelter crisis."

California Government Code Section 8698.2 provides that, upon a declaration of a shelter crisis, a city may allow persons unable to obtain housing to occupy designated public facilities (including facilities leased by the City) during the duration of the crisis. In April of 2018, the Oakland City Council passed Resolution 87129 C.M.S which directs the City to support private organizations seeking to provide temporary shelter and sanitation services on their properties, identify funding sources and public land for these efforts, and ease requirements so more housing alternatives can be provided.

In the City's ongoing efforts to expand the resources available for homeless encampment abatement activities, resolutions were adopted in 2019, 2020, 2021, and 2022 renewing the City Council's 2017 declaration of a local emergency due to the existence of the City's homelessness crisis. In February 2023, Resolution 89568 was adopted to continue the previous emergency declarations (Attachment 2).

3.1.2 Permanent Access to Housing Strategy

The City's Five-Year Framework Permanent Access to Housing Strategy (PATH) to Address Homelessness[6] is a roadmap for ending homelessness in the City. The PATH Framework organizes strategies to address homelessness under three major themes:

- Prevention strategies to keep people from becoming homeless;
- Emergency strategies to shelter and rehouse households and improve health and safety on the street; and
- Creation of affordable, extremely low income and permanent supportive housing units prioritized for households experiencing homelessness.

The framework outlines specific strategies to reduce homelessness in Oakland:

- Fewer people become homeless each year
- More people return to housing as quickly as possible
- Expand, improve, and maintain crisis response beds
- Ensure people who have been homeless have the incomes and supports they need to avoid returning to homelessness
- Expand the supply of deeply affordable and supportive housing for Oakland's most vulnerable residents
- Address impacts of unsheltered homelessness on sheltered and unsheltered neighbors

This framework recognizes that providing someone with a bed in an emergency shelter or transitional housing program offers a critical stepping-stone toward housing stability but alone is insufficient. Preventing vulnerable residents from becoming homeless and expanding the supply

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[6] Introduction To Oakland's Updated PATH Framework

of deeply affordable and supportive housing, especially for seniors and persons with disabilities, are necessary elements for solving homelessness (see Strategic Action Plan section below). As a result, the PATH framework seeks to reduce homelessness from all perspectives. It emphasizes prevention to keep Oaklanders housed. It seeks to expand all types of interventions once someone is homeless to ensure rapid connection to housing and to rapidly expand the emergency health, hygiene and shelter options for those on the street. And with the clear understanding that housing is the solution, it proposes the expansion of housing production at all income levels but very specifically for those who need supportive housing and / or with very low incomes. It also acknowledges the critical need to increase the income of the lowest income residents through work, connection to benefits, and expanding subsidized housing options.

In FY 2019-20, the City updated the five-year strategy outlined in PATH.[7] This framework has goals to reduce the number of unsheltered homeless individuals by 50% from 2019 levels, and to reduce the rate of new households becoming homeless by 50% by 2024. The plan outlines specific targets to reach goals and commits to measuring effectiveness annually for the life of the plan. All goals, strategies, and targets proposed in the updated PATH framework are grounded in the following commitments:

- Addressing equity by eliminating racial disparities in the rates at which people experience homelessness, and rates they exit to stable housing.
- Continuing to strengthen the coordinated entry system to ensure that those most in need are prioritized for limited resources.
- Aligning Oakland's resources and policies with partners in the private sector and in county, state, and federal governments.
- Learning from and using best practices based on evidence about what works.

3.1.3 Alameda County Home Together 2026 Community Plan

PATH is a companion to the Alameda County's EveryOne Home and Home Together Community Plan. EveryOne Home is a collective initiative that unites the efforts of city and county government partners and nonprofit service providers. The Home Together 2026 Community Plan is a 5-year strategic initiative which centers racial equity and identifies the strategies, activities and resources needed to dramatically reduce homelessness in Alameda County. The Plan identifies what is needed to operate a homeless response system that has the capacity to address the needs of people experiencing homelessness and to reduce racial disparities. The Plan outlines the funding needed to end homelessness in Alameda County as follows:

- With the modeled increase in investment and a modest decrease in new homelessness over time, by 2026 the total number of homeless households that need to be served annually by Alameda County's homelessness response system decreases by over 3,800 from 2021. In this scenario there is capacity to serve and assist 9,200 households in permanent housing by the homelessness response system in 2026. This is estimated to effectively eliminate unmet need (sometimes referred to as "functional zero"). Having no unmet need does not mean that new people do not continue to become homeless, but rather that for every new household that becomes homeless there are the appropriate resources available to help them back into housing within an average of 90 days.

[7] More information available online at: https://www.oaklandca.gov/documents/2019-permanent-access-to- housing-path-framework-update

- The total cost of scaling up both the shelter and housing inventory between 2021 and 2026 is an estimated $2.5 billion. This includes roughly $430 million for additional shelter capacity, $1.68 billion for permanent housing such as dedicated affordable and supportive housing, and $388 million for prevention, rapid rehousing and shallow (more limited) subsidies. These estimates include the ongoing operations of programs and buildings, and the services and subsidies to help people rent existing housing. They do not include the one-time development costs for constructing or acquiring new buildings.

The Home Together 2026 Community Plan stated that every year new people experience homelessness in Alameda County, but the homelessness response system does not currently have enough capacity to keep up with annual inflow. The Plan predicts that by 2026, Alameda County will need an inventory of approximately 26,000 permanent housing units. As of 2021, there were 3,215 existing units, meaning the permanent housing inventory must increase eightfold by 2026. Oakland's homeless population accounts for roughly half of the County's homeless population, so this demonstrates the resources the City needs by 2026.

3.1.4 Strategic Action Plan

The Department of Housing and Community Development (HCD) is the City' housing agency charged with allocating federal, state, and local housing and community development dollars, managing compliance with local housing laws, and supporting the creation and preservation of affordable housing. HCD's mission is dedicated to improving Oakland's neighborhoods and to making sure all Oaklanders have safe and affordable housing.

The 2023-2027 Strategic Action Plan, which was informed by a Racial Equity Impact Analysis following the City's Department of Race and Equity's guidance, outlines how Oakland HCD will administer $350 million in affordable housing dollars, a portion of Measure U's total $850 million, over the years following its approval by voters in November 2022. It also incorporates strategies to address the City's homelessness and housing affordability crises, named as priorities by Mayor Sheng Thao in the City's FY 2023-25 Budget. The City estimates that between 2023 and 2027 1,951 low and very low-income housing units will be constructed through the use of Measure U and local funds.

The 2023-2027 Strategic Action Plan outlines how housing production and preservation must include protection approaches to address the housing supply, affordability, and stability crises. The City provides protection support along a risk spectrum to prevent the flow of more residents into homelessness and keep Oaklanders securely housed. Once residents enter homelessness, a different set of interventions is required for rapid stabilization and re-housing. The City plans to bolster its approaches in the coming years to effectively reduce and eventually eliminate homelessness. The 2023-2027 Strategic Action Plan includes key performance measures (KPMs) that are developed using a Results-Based Accountability framework that differentiates department-level performance metrics from community-level indicators.

3.1.5 Housing and Homeless Assistance

The City's Community Housing Services recognizes the tremendous need for services specific to the homeless population. Through the administration of contracts, the City partners with non-profit organizations to assist the homeless and near-homeless community with temporary shelter,

hotel/motel vouchers, rental assistance, eviction prevention, transitional, supportive and special needs housing. Also provided are a continuum of other support services to the homeless such as food, employment, physical and mental health, drug abuse and domestic violence programs. Community Housing Services provides the following programs:

- **Homelessness Prevention** – Programs that provide one-time rental assistance or move-in assistance help to people with a temporary financial crisis to prevent them from becoming homeless.

- **Emergency Housing** – Homeless shelters, as well as hotel/motel vouchers, are included in this program to provide temporary lodging for homeless persons.

- **Transitional Housing** – Several transitional housing programs provide housing with case management and support services to families for up to 24 months. Transitional housing programs are designed to assist those families who are experiencing episodes of homelessness to sustain themselves and to bring about stability in the family unit and eventually to transition to independent living in permanent housing through services provided.

- **Special Needs/AIDS** – Housing facilities and services for special needs populations, particularly those with HIV/AIDS and their families, are provided through supportive housing programs and Housing Opportunities for Persons Living with AIDS throughout Alameda and Contra Costa Counties.

- **Homeless Mobile Outreach Program** – While committed to mitigating the public health and blight associated with homeless encampments, the City recognizes that homeless persons sleeping outside need assistance in accessing homeless services and housing resources. To assist persons living in homeless encampments, the City has established a Homeless Mobile Outreach Program (HMOP). The HMOP provides humanitarian and survival assistance and encourages people in encampments to seek case management, income, health and housing assistance referrals with a goal of becoming permanently housed members of our community.

The City of Oakland works with several non-profit organizations to provide rapid rehousing programs to families and/or youth, including but not limited to East Oakland Community Project, Building Futures with Women and Children, Abode Services, and Bay Area Community Services.

3.1.6 Keep Oakland Housed

In addition to the City's Community Housing Services (Section 3.1.3), the City has launched a $9 million program—Keep Oakland Housed—intended to prevent residents from becoming homeless by providing legal representation, emergency financial assistance, and supportive services. The program is funded with $3 million from the San Francisco Foundation through an anonymous donor and up to $6 million from Kaiser Permanente. It is run as a partnership between three local nonprofits: Bay Area Community Services, Catholic Charities of the East Bay, and East Bay Community Law Center. Keep Oakland Housed distributes up to $7,000 in financial assistance to each household in need of help. Funds are not distributed directly to the families in need but instead to their landlords or other third-party providers or vendors. The money is intended to help residents pay rent, cover moving costs, or handle an unexpected bill.

Eligibility requirements are annual income up to $40,700 for a one-person household or $58,000 for a family of four (household income at or below 50% of the Alameda County median income).

3.2 HOMELESS ENCAMPMENT MANAGEMENT

OPW and the Department of Human Services (DHS) jointly maintain a master list of encampments considered for interventions in Oakland (e.g., removal, implementation of sanitation and trash removal). The list includes information about the encampments related to the four criteria for intervention applied by the City and described in more detail in the Direct Discharge Plan: safety, health, location, size. A summary of the City's efforts and any updates to the City's actions to manage trash associated with homeless encampments that have occurred since the completion of the Direct Discharge Plan in April 2019 are presented below and in the 2023 Updated Direct Discharge Plan.

3.2.1 Homeless Encampment Task Force

Starting in 2011, the City initiated a multi-agency Homeless Encampment Task Force that meets bi-weekly to focus measures on areas subject to homeless occupation. The Task Force duties include: 1) prioritizing monthly homeless encampment clean-ups; 2) coordinating agency resources (illegal dumping crew, homeless social services and fire department personnel) for the monthly clean-up efforts; 3) collaborating with adjacent landowners (such as Caltrans) on encampment prevention and trash removal; and 4) identifying physical barriers, such as fencing or boulder installations, to prevent encampment establishment at potential tent site locations.

In May of 2020, the Emergency Homelessness Taskforce (renamed the Encampment Management Team) was established in response to COVID-19 to promote harm-reduction strategies, provide linkages to essential health and human services, and reduce encampment footprints where waste and debris are jeopardizing public safety and public health.[8] The Encampment Management Team (EMT) is an interdepartmental working group consisting of representatives from Oakland's Public Works Department (OPW), Human Services Department (HSD), Oakland Police Department (OPD), Oakland Fire Department (OFD), the City Administrator's Office (CAO), and other consulted departments as necessary (e.g., the Mayor's Office, the City Attorney's Office, Parks and Recreation). Stormwater staff within the Public Works Department coordinate efforts with these other departments to inform other staff about stormwater requirements and BMPs that help reduce stormwater discharges from unsheltered populations and offer support services. The EMT is facilitated by the City Administrator's Office via the Homelessness Administrator and receives input and advice from the Commission.

3.2.2 Homeless Encampment Management Policy

The PATH framework specifically called for the development of an encampment management policy (EMP) to address the adverse health and safety impacts of unsheltered homelessness, with compassion and care to not criminalize poverty. Additionally, the PATH framework highlights the importance of developing a policy through a race and equity lens; given the disproportionate impact of homelessness on African Americans in Oakland, as well as disproportionate health and safety impacts from encampments on low-income communities of color.

[8] More information available online at: https://www.oaklandca.gov/topics/emergency-homelessness- taskforce

In October 2020, the Oakland City Council passed Resolution 88341 C.M.S which adopted the City's EMP. The EMP states that, "it is the goal of the City to provide regular and adequate trash collection from encampments, to ensure that porta-potties and hand-washing stations are serviced regularly as needed, and that encampments receive regular deep cleanings to ensure that our unhoused residents not living in conditions that threaten health and/or safety." There are currently four active interventions that the City takes in regard to an encampment. Alternatively, the City could take no action. The active interventions include:

1. **Closure** – removing the encampment and using enforcement to prevent re-encampment;
2. **Cleaning** – temporarily moving an encampment so that the location can be cleaned to resolve health and hygiene issues and allowing the encampment residents to return;
3. **Temporary Health and Safety Measures** – providing services to address the immediate health and safety needs of persons at an encampment and surrounding neighbors such as barriers to protect campers from traffic, portable toilets and wash stations, regular garbage pickup; and
4. **Debris Pick-up** – scheduled collection of debris associated or near encampment.

Active interventions at encampments are considered and prioritized through the EMT. The City also has a standard operating procedure for the closure of homeless encampments with guidelines that must be followed to protect the constitutional rights of persons whose personal property remains at the location. In October 2020, the Oakland City Council also passed Resolution 88341 C.M.S which adopted an Encampment Management Policy.[9] The Encampment Management Policy includes definitions of locations deemed high and low sensitivity (i.e., 50 feet from a playground, within 50 feet of a protected waterway, etc.) and outlines a variety of ways that the EMT can intervene to help achieve the goals of the policy. The City of Oakland prioritizes encampment cleaning operations if an encampment is near a waterway or storm drain.

3.2.3 Trash and Debris Removal

The City's Keep Oakland Clean and Beautiful Division (KOCB), which falls under OPW, implements the Illegal Dumping Abatement Program in response to citizen reports of litter and illegal dumping (see Section 4 for more information). The KOCB also removes illegally dumped material associated with homeless encampments.

[9] Available online at: https://cao-94612.s3.amazonaws.com/documents/Encampment-Management-Policy-88341-CMS.pdf

SECTION 4: ILLEGAL DUMPING TRASH CONTROLS

As described in the Direct Discharge Plan, the City addresses illegal dumping using three strategies:

- Eradicate illegally dumped materials from the streets
- Enforce to catch and prosecute the perpetrators of illegal dumping
- Educate Oakland residents and businesses on proper disposal methods and opportunities to take ownership and pride in their community

A description of the City's Illegal Dumping Trash Controls and progress made in FY 2022-23 are provided in this section. Metrics associated with these efforts, including trash volume controlled, are presented in Section 5. Planned actions for FY 2023-24 and beyond are described in Section 7.

4.1 ERADICATION

As described in the Direct Discharge Plan, KOCB staff responds to citizen reports of litter and illegal dumping. KOCB's Illegal Dumping Abatement Program operates seven days per week. On the weekends, there are four full time crews in four garbage trucks. Monday and Friday there are 12 full-time crews that utilize 12 trucks (garbage, flatbed, overhead loader, and pickup). From Tuesday through Thursday there are four additional full-time crews (for a total of 16 crews) that utilize the trucks. This work is accomplished by 38 staff including three supervisors, 10 crew leaders, and 25 workers. Materials are picked up and taken to the Davis Street transfer station. Since 2009, every call and clean-up activity for illegal dumping has been tracked through the City's data tracking system, Cityworks. In 2009, the City established a performance standard that 85% of its illegal dumping requests will be cleaned up within three working days. In FY 2023-24 the City will explore assigning a higher priority ranking to all Cityworks illegal dumping abatement service requests within 500 feet of a waterway.

In July 2015, as part of the new Mixed Material and Organics Franchise Agreement (MM&O) with the City's contractor, Waste Management of Alameda County (WMAC), Oakland began assigning 25 illegal dumping service requests received per workday to WMAC. Since FY 2017-18, Oakland assigned up to 30 services requests per workday to WMAC as provided in the MM&O Agreement. In FY 2022-23, the agreement ended, and the City of Oakland has since responded to all service requests.

In June 2022, the Oakland City Council approved Resolution No. 89279 C.M.S. to accept and appropriate up to $1.28 million in Clean California grant funds over the next two years and to execute a Clean California Maintenance Agreement (CCMA) between California's Department of Transportation (Caltrans) and the City to provide litter, bulky waste, and homeless encampment debris removal services in Caltrans' right-of-way in Oakland. The CCMA has extended the City's capacity to clean areas of Oakland that are not cleaned by City crews. Caltrans has contracted with the City to clean on-ramps and off-ramps, underpasses and other areas under Caltrans' jurisdiction, contributing to safer communities and more sustainable infrastructure. Twenty-three (23) locations totaling fifty-seven (57) sites were identified by Caltrans and vetted by the City for worker safety.

The City also executed a contract in August 2022 with the Beautification Council to perform the work on Caltrans property. Currently, OPW contracts with the Beautification Council to follow after OPW homeless encampment crews at certain locations to gather and bag remaining litter and debris, broom clean, and sanitize near and in active homeless encampments. The Beautification Council crews are tasked with providing comprehensive litter, bulky waste, and homeless encampment debris abatement and disposal from Caltrans' right-of-way in Oakland.

4.2 PHYSICAL DETERRENCE

KOCB has implemented structural controls to help reduce illegal dumping. In 2009, KOCB identified 83 "high priority" illegal dumping sites and in 2010 the City launched a pilot video program that placed deterrence devices (live cameras and dummy cameras) at 46 of those locations. In 2016, the City receive additional funding for surveillance cameras and in March 2022, new cameras called PODs, were installed in public rights of way near known dumping hotspots. See sections 4.4 and 5.5. for more information. In addition, the City has installed physical barriers (logs, boulders, fences) at known dump sites to discourage dumping. The City continues identifying opportunities to implement additional physical deterrence methods.

4.3 ENFORCEMENT

Starting in spring of 2013, the City launched an illegal dumping enforcement initiative. This effort is multi-pronged and has created a more effective mechanism for holding illegal dumpers accountable. The initiative includes: 1) creation of a multi-departmental task force; 2) modification of the City ordinance (Ordinance 13195 C.M.S.); 3) institution of administrative fines for illegal dumping incidents; and 4) creation of "sting operations." In 2017 the multi-departmental task force was reinvigorated as the IDTF (see Section 4.1). The Ordinance modifications include, but are not limited to, the following elements:

- Classify illegal dumping as a public nuisance;
- Make large commercial quantities of illegal dumping (one cubic yard or greater) a misdemeanor;
- Enhance administrative and civil remedies and penalties against persons for illegal dumping. The penalties include administrative citations, civil penalties, treble damages, and punitive damages;
- Provide a civil penalty up to $1,000 per day for each large item or commercial quantity (one cubic yard or more) illegally dumped. For example, for each day an illegally dumped mattress remains on public or private property, a civil penalty up to $1,000 is applicable. Dumping more than three cubic yards (an amount requiring more than one pickup truck to remove) would be citable as two violations;
- Permit recovery of the City's and victim's costs from the perpetrator, including costs of investigation and recovery of attorney's fees and court costs;
- Allow community service in lieu of monetary penalties, in accordance with procedures developed by the City Administrator
- Require landlords to disclose forwarding information for tenants who leave and illegally dump their belongings near their former residences; and
- Make landlords responsible for materials tenants illegally dump near their rental units.

Since September 2014, the City operates a reward program to encourage community members to provide information on illegal dumping. The program is prominently advertised in multiple

locations on the City's website and through fliers distributed throughout the City at Neighborhood Crime Prevention Council meetings and other community meetings. In addition, the City makes it easy to report illegal dumping through the 311 Call Center, via email, an online reporting form, and a mobile phone/web app.

In 2016, the City Council allocated $100,000 in funding for implementation and use of cameras for illegal dumping enforcement. These funds allowed the City to purchase four sets of video cameras and license plate readers as well as a server at City Hall that receives the data from each camera site. The cameras are installed at undisclosed strategic locations. Camera systems are promising tools for gathering evidence and holding illegal dumpers accountable. Experience has shown that citizen's reports of illegal dumping are frequently limited to incidents citizens happen to observe and critical information is often missing to hold the illegal dumpers accountable. City staff have been adjusting the use and deployment of the cameras and expect to improve their effectiveness over time. The City is actively exploring smart, solar powered, and rapid deployable cameras. With the use of cameras, staff can proactively document illegal dumpers in areas where illegal dumping occurs most frequently, gathering information needed to take action.

The City's 2018 mid-cycle budget included funding to rebuild the former Litter Enforcement Officer Program that is now called the Environmental Enforcement Officers (EEOs). Starting in FY 2018-19, four EEOs and one Supervising EEO began assisting with illegal dumping enforcement efforts. EEO duties include illegal dumping outreach, education, and enforcement, issuing warning letters, and carrying out investigations to identify individuals violating illegal dumping regulations. Metrics on the program for FY 2022-23 are provided in Section 5.5.

In the FY 2021-23 budget, the City Council authorized an additional $100,000 for the purchase of 14 cameras to deter illegal dumping on Oakland city streets. The City's goal is to install cameras near chronic dumping hotspots and use video evidence to identify dumpers or produce supporting information needed to build credible cases for prosecution. Over time, surveillance cameras may serve as an ongoing, visual deterrent to potential dumpers after the surveillance program matures.

4.4 EDUCATION

The City has taken steps to educate citizens on illegal dumping with the goal to reset societal norms on personal responsibility for proper disposal of unwanted items; re-emphasize the laws and consequences for illegally dumping; and remind residents and businesses of proper disposal options available to them.

A Media Outreach Campaign for Illegal Dumping is focusing on users of social media who are based in Oakland. It encompasses youth, young adults, and adults who use these platforms. For transparency and accountability, Cityworks data regarding illegal dumping is posted in a dashboard online.[10] The information is updated and managed by one of the Illegal Dumping Task Force members. The messaging has informed users on City activities to address illegal dumping, and how the City and community members can work together to make progress toward cleaner neighborhoods.

[10] See https://www.oaklandca.gov/services/oak311.

OPW contracted with Aspire Visual Communications and Design, an Oakland-based consultant, to develop an outreach and marketing campaign to empower residents and reduce dumping. Per the contract scope, "the campaign, through messaging and outreach strategy/tools, will empower and build unity within the community by providing awareness, information, and guidance towards resources designed to promote behavioral change and reduce illegal dumping and its negative impacts." In the spring of 2019, Aspire gathered input from stakeholders in the community, the City, and other subject matter experts to help inform the messaging goals and scope of the campaign. The campaign slogan, "Oaktown PROUD: Prevent and Report Oakland's Unlawful Dumping" along with a logo was developed. This slogan and logo was used on outreach materials beginning with the launch of the campaign at the *Battle for the Bay* event that took place on Coastal Cleanup Day, September 21, 2019.[11] Conceived by Oakland staff as a nod to the 20th anniversary of the famous Brown + Brown=Green event, where Oakland and San Francisco, under the leadership of Jerry Brown and Willie Brown competed to see which city could be the cleanest and greenest, the two Cities once again participated in a friendly competition to rally volunteers and clean neighborhoods and waterways. The Oaktown PROUD messaging was featured throughout the event publicity and day-of activities. Further outreach events and media messaging will build on the momentum of the *Battle for the Bay* event.

Building from an idea suggested by Oakland High School students, in the summer of 2020 OPW sponsored 25 students from Oakland High School and Skyline High School to undergo internship training as illegal dumping experts. They developed multimedia skills for video production and public speaking skills. These students developed and delivered presentations to their peers and to younger students at Oakland middle schools. These presentations educated young people about the nature and impact of the illegal dumping problem and empowered them with information and encouragement on how to combat the problem, including connecting them with affordable waste disposal services such as Bulky Pickup Service and Bulky Block Parties. The concept is partly modeled after the recycling movement's successful efforts to teach young people about correct recycling habits, which empowered those young people to in turn teach their own families.

A crucial component of the Environmental Enforcement Program is to change the behavior of those who contribute to the persistent blight in Oakland. Through zone walks, EEOs conduct educational visits to convey to Oakland residents and merchants the impacts of unlawful hauling/dumping and provide appropriate ways to dispose of waste. Officers also distribute information at community meetings, City-sponsored events, schools, and via social media. Notably, EEOs establish rapport and ongoing relationships with residents to empower Oaklanders to be a part of the solution, resulting in clean, sustainable communities.

The EEOs, through their zone patrol and community engagements, routinely promote WMAC's Bulky Pickup Service as a resource and an alternative to dumping. This awareness campaign has been instrumental in educating Oaklanders in the proper method of disposing bulky items.

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[11] More information available at: https://medium.com/@Oakland/oakland-volunteers-break-records-on- battle-for-the-bay-2019-7629634ab467

4.5 BULKY PICKUP SERVICE

Appointment style curbside bulky pickup service[12] is provided by WMAC and has been available free of charge if used once a year to residents of 1-4-unit single family dwellings (SFD) since 2005, and to residents of 5-plus-unit multi-family dwellings (MFD) since 2015. OPW staff continues to promote the service to increase utilization by all residents, and particularly residents of MFD, through electronic distribution of ads and video content including Facebook, YouTube and Craigslist, and on television screens at both Oakland branches of the Department of Motor Vehicles. Printed promotional materials are distributed annually by mail to all Oakland households, and on an on-going basis at community fairs and events, at Oakland Library branches and Community Centers. OPW staff also provide on-site technical assistance, in collaboration with WMAC staff, to first-time MFD owners and managers to ensure successful outcomes that foster ongoing participation.

In FY 2018-19, OPW staff and the Mayor's office collaborated on a phone banking effort targeting MFD property owners and managers. In July and August 2018, OPW staff trained Mayoral interns to call MFD owners and managers and promote use of the Bulky Pickup service and to promote the waiver that allows tenants to schedule Bulky Pickup appointments directly with WMAC. Over 600 owners and managers were contacted and approximately 100 waivers were distributed.

[12] More information available at: www.oaklandrecycles.com

SECTION 5: MONITORING AND REPORTING

Metrics associated with the homeless encampment and illegal dumping prevention, control and removal efforts described in Sections 3 and 4 are presented in this section.

5.1 HOMELESS INDIVIDUALS

Every two years, during the last ten days of January, communities across the country conduct comprehensive counts of the local population experiencing homelessness to measure the prevalence of homelessness in each community. The Point-in-Time Count (i.e., PIT) is required by the U.S. Department of Housing and Urban Development (HUD), but more importantly, it informs local strategic planning, investment, capacity building, and advocacy campaigns to prevent and end homelessness.

During the most recent general street count on the night of February 22, 2022, a total of 5,055 homeless individuals were recorded in Oakland.[13] Of these homeless individuals, 1,718 were considered sheltered and the remaining 3,337 were considered unsheltered. During the 2022 PIT count the highest counts of unsheltered individuals were generally observed in the southwestern census tracts of Oakland. The highest counts (176-272 individuals) were in census tracts 4017 and 4251.01 near the Bay Bridge. The City's FY 2022-23 Annual Report Section C.17 contains a map of where unsheltered individuals are currently located based on the PIT Count and in relation to storm drains and waterways.

Despite the City's ongoing prevention and support programs, the number of homeless individuals increased from what was recorded during the count in 2019, which was 4,071.[14] As shown in Table 2, the increase in number of homeless individuals in Oakland is relatively consistent with what was recorded for the County. The next PIT count is scheduled for 2024.

Table 2. Number of Homeless Individuals and Shelter Status in Oakland and Alameda County in 2017 and 2019.

Year	Status	Oakland	Alameda County	% in Oakland
2019	Sheltered	861	1,710	50%
	Unsheltered	3,210	6,312	51%
	Total 2019	4,071	8,022	51%
2022	Sheltered	1,718	2,612	66%
	Unsheltered	3,337	7,135	47%
	Total 2022	5,055	9,747	52%
% Change	Sheltered	+100%	+53%	+16%
	Unsheltered	+4%	+13%	-4%
	Total 2019 vs 2022	+24%	+22%	+1%

Source: EveryOne Home. 2022. Oakland 2022 Point In Time Count Unsheltered & Sheltered Report.

[13] EveryOne Home. 2022. Oakland 2022 Point In Time Count Unsheltered & Sheltered Report.

[14] Applied Survey Research (ASR) 2019. Alameda County Homeless Count and Survey, Comprehensive Report.

5.2 HOMELESS SERVICES AND BMPS

Census tracts in Oakland include areas (e.g., city streets, parks) that are under Oakland's jurisdiction, and other areas (e.g., freeways, expressways, creeks) that are not under Oakland's jurisdiction. Therefore, the City coordinates within Oakland's departments, Alameda County Housing and Community Development Department, Caltrans, Union Pacific, BART, and/or non-profits to provide BMPs and support services to unsheltered populations located within their jurisdiction and in areas with a higher density of unsheltered individuals (See Figure 1). The City also delivers homelessness services in proportion to the racial make-up of the City's homelessness population per the latest PIT Counts[15]. The City of Oakland will continue to use the PIT information to prioritize and target BMPs, in addition to considering proximity of encampments to waterways or storm drains. For unsheltered populations located in areas that are not under Oakland's jurisdiction, the City informs the agency that has jurisdiction over the area when unsheltered populations are observed.

It is difficult to estimate exactly how many homeless individuals have been impacted by direct and indirect BMPs implemented by the City and through the efforts of other organizations over time. One example is how social services providers have incomplete data on where homeless individuals are living and cannot release data due to privacy concerns. But there are metrics such as the City of Oakland serving a total of 8,683 participants in housing programs between 2018 and 2019. This comes out to an average of 2,894 individuals per year which is about 57% of the number of homeless individuals counted in 2022. Furthermore, Oakland's annual target for producing new affordable housing units has increased to 1,283 units annually, up from 595 units per year in the 2015-2022 period[16]. But these numbers are just for housing related programs. A variety of other efforts and BMPs are described below (sections 5.2.1-5.2.4) and meet requirements of both Provision C.10 and C.17 in MRP 3.0.

As of FY 2022-23, homeless services provided by the City of Oakland include operating two emergency homeless shelters, four recreational vehicle sites, one secure overnight parking location, six community cabins, and fifty-two (52) hygiene sites. An Audit of Oakland's Homelessness Services was conducted in 2022 and provides a detailed analysis of effectiveness of various homelessness services and BMPs. The City of Oakland will use this analysis and other information such as the 'Regional BMP Report to Address Discharges from Unsheltered Homeless Populations' (as required by Provision C.17) to continue to improve processes and BMP effectiveness.

5.2.1 Homeless Shelters

The City of Oakland implements various efforts to provide supportive housing for unsheltered homeless individuals including emergency shelters, community cabins, trailers, units in existing structures, and providing funding to non-profits. There are currently two City-funded emergency shelters in Oakland: St. Vincent De Paul and East Bay Community Project at Crossroads. Outcomes for the Saint Vincent de Paul Shelter for the first half of FY 2022-23 are shown in Table 3.

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[15] Audit of Oakland's Homelessness Services

[16] Oakland Adopted Housing Element 2023-2031

Table 3. Outcomes at Saint Vincent de Paul Shelter between July and December 2022.

San Vincent de Paul Shelter Outcome Measures	Totals
Persons (clients) served	153
Chronically homeless at program entry	18%
Number of stayers	47
Number of exits	106
Clients who exited to permanent housing	4
Clients who exited to transitional housing	13
Clients who exited to homelessness	84

The City of Oakland also established Community Cabins to provide individuals living in encampments with a specific location where they can stay temporarily. Services include wash stations, portable toilets, garbage pickup, and housing navigation services. Program goals are to increase health and safety of residents, to connect residents with mainstream services and to end homelessness. As of FY 2022-23, six sites are operating with a total of 262 beds available. See Tables 4 for additional metrics.

Table 4. Outcomes from Community Cabin Program from July to December 2022.

Community Cabin Outcome Measures	Totals
Persons (clients) served	390
Chronically homeless at program entry	54%
Number of stayers	246
Number of exits	144
Clients who exited to permanent housing	37
Clients who exited to transitional housing	38
Clients who exited to homelessness	54

There are several other non-profits and housing services providers that the City provides funding to such as Housing Consortium of the East Bay, Operation Dignity, and Bay Area Community Services. For example, the City helped serve 98 individuals through both the HomeBase trailer program and the Family Matters Shelter between July and December of 2022 using HHAP and Measure Q funds (Tables 5 & 6). Overall, 667 crisis response beds (shelter, cabins, trailers) have been provided.

Table 5. Outcomes from the HomeBase program between July and December 2022.

HomeBase Outcome Measures	Totals
Persons (clients) served	98
Chronically homeless at program entry	66%
Number of stayers	65
Number of exits	33
Clients who exited to permanent housing	22
Clients who exited to transitional housing	2
Clients who exited to homelessness	2

Between 2016 and 2022, the City was also able to fund the construction of 721 new housing units, the preservation of 420 existing affordable housing units, and the acquisition and conversion of 420 units to affordable housing. Oakland was able to produce 1,561 units of affordable housing by leveraging the City's 2016 voter-approved Measure KK funds in combination with other local and County funding sources. As of May 2022, the City was awarded an additional $25.9 million in HHAP funds.

Table 6. Outcomes from the Family Matters Shelter between July and December 2022.

Family Matters Shelter Outcome Measures	Totals
Persons (clients) served	98
Chronically homeless at program entry	25%
Number of stayers	36
Number of exits	62
Clients who exited to permanent housing	37
Clients who exited to transitional housing	19
Clients who exited to homelessness	6

In FY 2023-24, the City plans to allocate HHAP and Measure Q funding to 12 different non-profits and service providers for various types of housing to homeless individuals. Based on agreements with these organizations for FY 2023-24, the total number of beds from City-funded efforts is estimated to be 1,226. Since receiving this funding, the City has invested in the following 253 deeply affordable housing units so far:

- 110 units across scattered sites
- 42 units at Clifton Hall
- 21 units at the Inn at Temescal
- 44 units at Piedmont Place hotel
- 36 units at the Inn by the Coliseum

As far as indirect shelter services, in its first three years (2018—2021) Keep Oakland Housed served 5,944 households (legal services to 2,078 clients; financial assistance to 3,866 residents).[17] Under the City of Oakland Permanent Access To Housing (PATH) Strategy, and the Homeless Mobile Outreach Program (HMOP), regular outreach is conducted to assess the needs of unsheltered persons in encampments, transition aged youth (TAY), and the general homeless population, as well as to provide the intervention necessary to direct unsheltered persons to housing options, health services and other support human services. In FY 2020-21 the City's HMOP was expanded, doubling full-time employees to 10 front line workers.

In FY 2022-23, the COVID-19 pandemic continued to impact outreach efforts in terms of reduced fieldwork hours and content of outreach which focused on COVID-19 wellness checks, education on COVID-19 Safety and supply distribution, coordination with Street Medicine Teams, and supporting vaccination and testing events. In spite of these difficulties, outreach efforts in the past few years resulted in the following outcomes:

- 17,914 units of harm reduction supplies including food, water, blankets, fire extinguishers, flashlights, socks, etc. were distributed.
- Street-based services were offered to 895 unduplicated, unsheltered persons living in homeless encampments, in their vehicles or on the streets.
- Over 4,493 units of duplicated outreach and intensive case management efforts were provided to the 895 unduplicated unsheltered persons.
- From the outreach services to the unsheltered, 43 individuals successfully exited homelessness to positive housing destinations including permanent housing, transitional housing, shelters, and respite.

5.2.2 Sanitation & Garbage Services

Sanitation services are provided by the City at many locations associated with homeless encampments including portable bathrooms, hand-washing stations, trash clean-up, showers and laundry services. As of FY 2022-23, the City increased the number of sanitation service locations/hygiene sites from forty-five (45) to fifty-two (52). There are also mobile and stationary showers and laundry services provided at several locations, community cabins and Safe Parking sites.

As of FY 2022-23, there are 12 locations served by mobile shower and laundry facilities. The City partners with Project WeHope/Dignity on Wheels, Urban Alchemy and Roots Community Health to provide these services. Each four-hour operation session may provide up to 30 showers and up to 14 single loads of laundry. The schedule showing locations and times is available on the Dignity on Wheels website.

[17] For more information see Keep Oakland Housed Final Report Executive Summary 2018-2021 available online at: https://sff.org/wp-content/uploads/2022/11/KOH-Executive-Summary_Final.pdf.

At the 52 sanitation sites, there are 114 portable toilets and 82 handwashing stations. In FY 2022-23, the City also evaluated potential locations to deploy up to 40 additional portable toilets at homeless encampment locations within 500 feet of a waterway. The portable toilets and hand-washing stations are serviced three times per week by a vendor. An image showing sanitation and garbage services at a homeless encampment sanitation site managed by the City of Oakland is shown in Figure 1. OPW staff also pick up garbage and debris at 77 known encampment locations once per week (see Attachment 3 for the cleanup schedule). Trash removal volumes associated with these sanitation and garbage services are presented and discussed in Section 5.6.

The City of Oakland also implements a janitorial leadership development program at encampment sites where regular outreach and engagement alone are not sufficient in addressing challenges, such as portable toilets being damaged and difficult relationships between vendors and site residents. This program includes stipends (in the form of $25 gift cards) for participating individuals, and cleaning supplies for the site. It has been an effective intervention for the successful maintenance of the portable toilets.

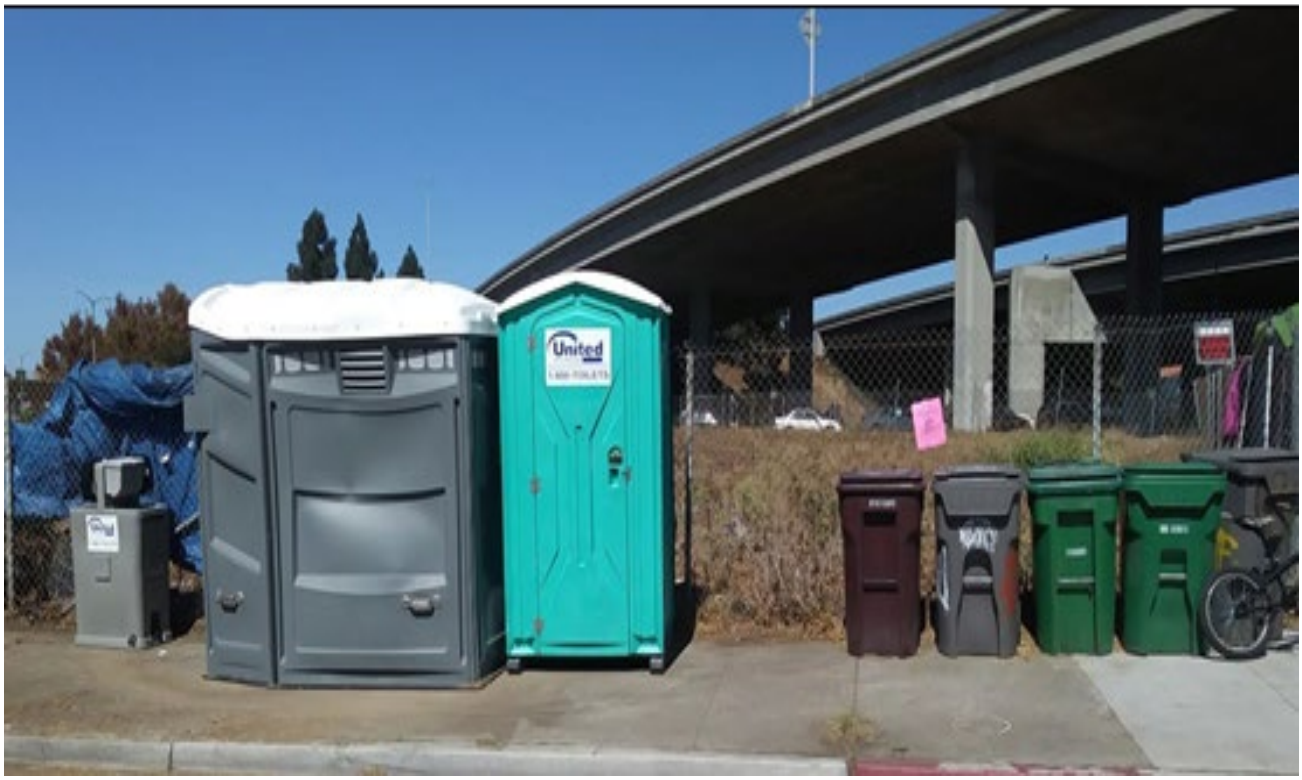

Figure 1. Homeless Encampment Sanitation Site Managed by the City of Oakland.

5.2.3 Recreational Vehicle Sites & Safe Parking

Four managed recreational vehicle (RV) sites in East, Central, and West Oakland provide up to 125 RVs with secure parking, sanitary facilities, and garbage services. All locations are currently at near 100% occupancy. Locations include:

- 711 71st Avenue across from Coliseum BART;

- 3499 Beach Street, connected to the proposed double Community Cabin site at 3401 Mandela Parkway;
- 3801 East 8th Street near High Street and I-880; and
- 2401 Wood Street

Outcome measures from the RV Safe Parking Program for the first half of FY 2022-23 are shown in Table 7.[18]

Table 7. Outcomes from RV Safe Parking Program from July to December 2022.

RV Safe Parking Outcome Measures	Totals
Persons (clients) served	150
Chronically homeless at program entry	51%
Number of stayers	131
Number of exits	19
Clients who exited to permanent housing	4
Clients who exited to transitional housing	8
Clients who exited to homelessness	6

5.3 HOMELESS ENCAMPMENT ABATEMENTS

Table 8 shows the number of homeless encampment abatements from 2010 through FY 22-2023. A total of three of the 30 abatements (10%) conducted in FY 2022-23 were within 500 feet of a waterway. A photograph of a homeless encampment cleanup is presented in Figure 2. Trash removal volumes associated with these abatements are discussed in Section 5.6.

Table 8. Homeless Encampment Abatements by Fiscal Year, City of Oakland.

Homeless Encampment Abatements	Fiscal Year									
	2012 -13	2014 -15	2015 -16	2016 -17	2017 -18	2018 - 19	2019 - 20	2020 -21	2021 - 22	2022 - 23
	10[a]	91	193	390	294	412	189	57	113	30[b]

a This value also contains data from FY 2010-11 and FY 2011-12
b This value only includes seven months of the FY due to a ransomware attack. Data collected from 11/15/2022-4/19/2023 was not included in this analysis due to the ransomware attack.
Note: This table only includes abatements and does not include garbage removal conducted at encampment sites.

[18] Life Enrichment Committee Supplemental Report-May 23, 2023

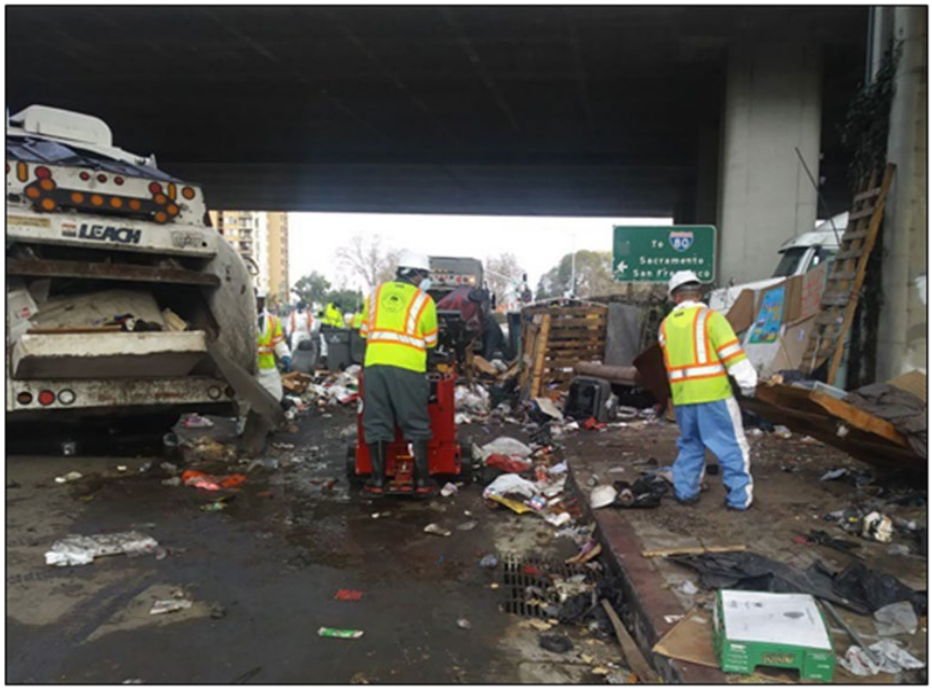

Figure 2. Homeless Encampment Clean-up.

5.4 ILLEGAL DUMPING ENFORCEMENT

The City Administrator's Office's Nuisance Abatement Division issues administrative citations and warning letters based on evidence gathered from the City Attorney's Office after the initial referral of citizen information regarding illegal dumping to the Call Center. During FY 2022-23, the Environmental Enforcement Officer Program (EEOP) issued a total of 369 citations. Out of the 369 citations issued, 20 (~5%) were paid by the offending party. Fifty-five of these offenses we discovered from the City's cameras/surveillance system. Three of the citations were resolved by removing the illegally dumped material by the owner/resident after contact by an EEO. Note that these numbers would likely be about twice as high, since only half of the data was available due to a ransomware attack.

5.5 ILLEGAL DUMPING DETERRENCE

The City of Oakland implements various illegal dumping deterrences including installing cameras, dummy cameras, physical barriers, and beautification projects. In January 2016, City Council authorized $100k to be appropriated for a surveillance camera pilot. Four systems were deployed in 2017 at three locations: two systems at Maple Ave. & Montana St. – one northbound, one southbound; one system at San Leandro Blvd & 106th Ave., and one system at West Grand between Wood St & Willow St.[19] These were installed near chronic dumping hot spots to capture video evidence that identifies dumpers or produces supporting information needed to build credible cases for prosecution.

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[19] Oakland Agenda Report January 2022.

The City of Oakland continues to implement and optimize these efforts through the Illegal Dumping Surveillance Camera Program. In March 2022, new cameras called PODs, were installed in public rights of way near known dumping hotspots, based on data from Oakland Public Work's service request tracking system, Cityworks. Footage is reviewed up to two times a day to look for dumped material and related footage to identify the dumper and the dumper's vehicle, and to see if sufficient information is available for enforcement. From March 2022 to February 2023, the PODs captured nearly 500 incidents of illegal dumping from known hotspots. A total of 72 citations were written in the nine-month period ending in November 2022. Additional information on surveillance camera data gathering and use; deployment; compliance; efficacy; and cost associated can be found in the Privacy Advisory Commission Illegal Dumping Surveillance Camera Annual Surveillance Report: June 2023.

As a means of deterring illegal dumping near Golf Links Road between Blandon Road and Glenly Road, the City installed physical illegal dumping barriers (such as logs, boulders, and fences). Log barriers will also be installed on Golf Links Road between Elysian Fields and Scotia Avenue to deter illegal dumping in Arroyo Viejo Creek. Illegal dumping barriers were also installed as part of an ongoing beautification project on Edes Avenue between 105th Avenue and Bergedo Road.

In FY 2020-21, the City began the process of completing a beautification project on Hegenberger Road between International Boulevard and Hawley Street. The project includes the removal of vegetation, illegal dumping, and litter along that section of Hegenberger Road, the installation of physical illegal dumping barriers, and the spreading of mulch to prevent vegetation growth. Plants and flowers were planted to beautify the area and serve as a deterrence for future dumping. A similar project is ongoing at Bond Street between High Street and 42nd Avenue. In addition to the beatification projects, the City is also working with Team Oakland students to have mosaic artwork installed on litter containers on International Boulevard from the San Leandro border to High Street. The project is intended to instill civic pride along this corridor and reduce the amount of illegal dumping that is occurring around litter containers.

5.6 TRASH VOLUME COLLECTED

5.6.1 Homeless Encampments

Through the combined efforts of encampment clean-ups, abatements, and recurring garbage service, the City removed approximately 1.9 million gallons of homeless-related trash and debris in FY 2022-23 (Table 9). A map showing the locations of homeless encampment clean-ups is provided in Figure 3 and a heatmap illustrating the volume of trash removed in FY 2022-23 is provided in Figure 4. The heatmap shows high volumes of trash removed from or near Lake Merritt, Courtland Creek and a few other waterways draining to San Leandro Bay.

A visual comparison of the heatmap for trash removal associated with encampments in FY 2022-23 and last FY (Attachment 4), suggest that clean-up locations have remained relatively consistent. Most of the trash associated with homeless encampments is concentrated around West Oakland and the areas surrounding International Boulevard. Additional discussion of the number of homeless encampment clean-up events and the volume of trash removed in FY 2022-23, including efforts within 500 feet of a waterway, is provided in Section 5.6.3.

Table 9. Volumes of Trash Removed from Homeless Encampments by the City of Oakland, FYs 2015-16, 2017-18, 2018-19, 2019-20, 2020-21, 2021-22, 2022-2023.

Fiscal Year							
Action	2015-16	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23*
Volume of trash & debris removed (gallons)	178,000	557,942	2,357,433	3,513,253	4,577,342	10,573,791	1,898,396

*This value only includes seven months of the fiscal year due to a ransomware attack. Data collected from 11/15/2022-4/19/2023 was not included in this analysis due to the ransomware attack.

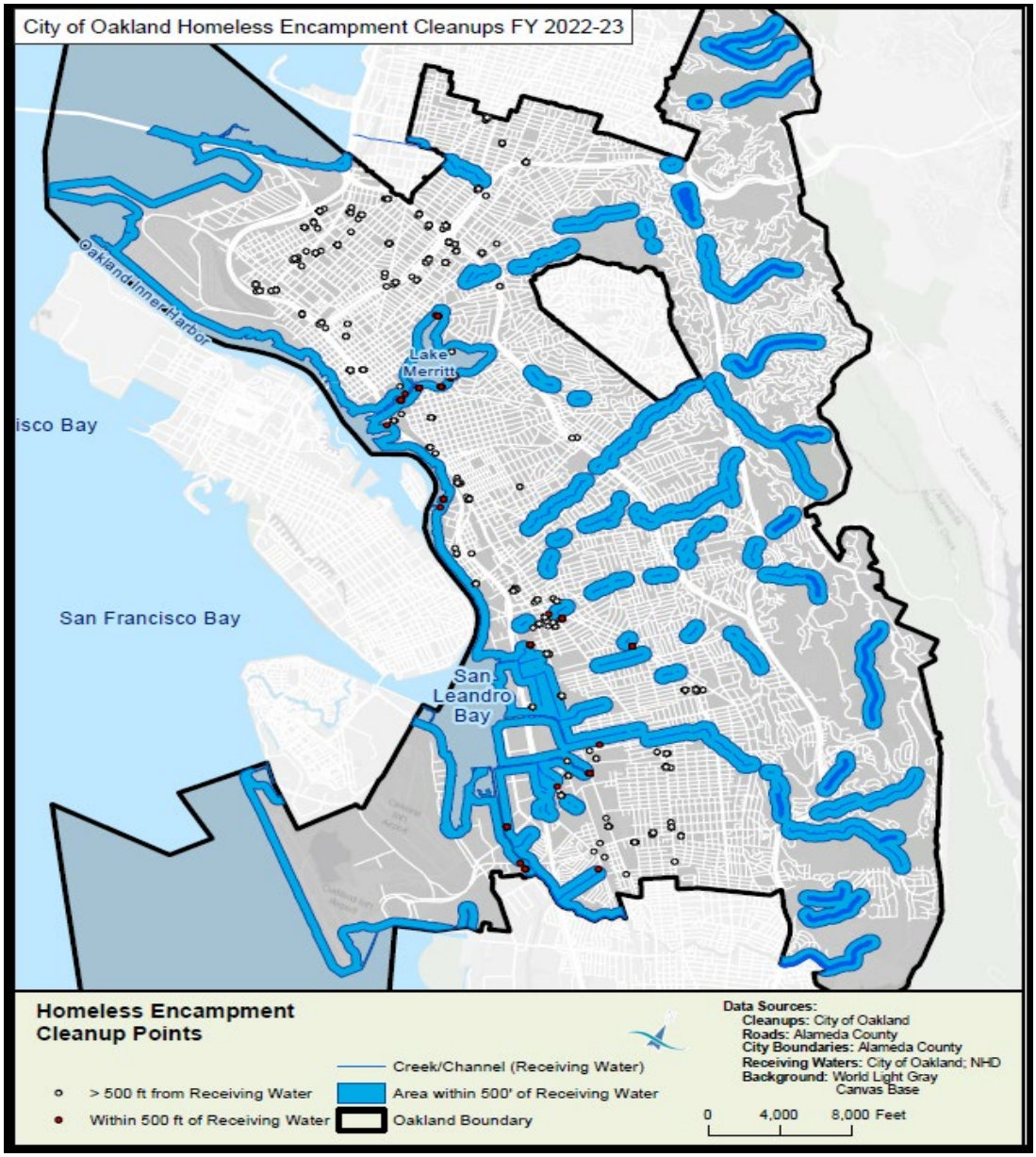


Figure 3. Locations where the City conducted homeless encampment cleanups, FY 2022-23.

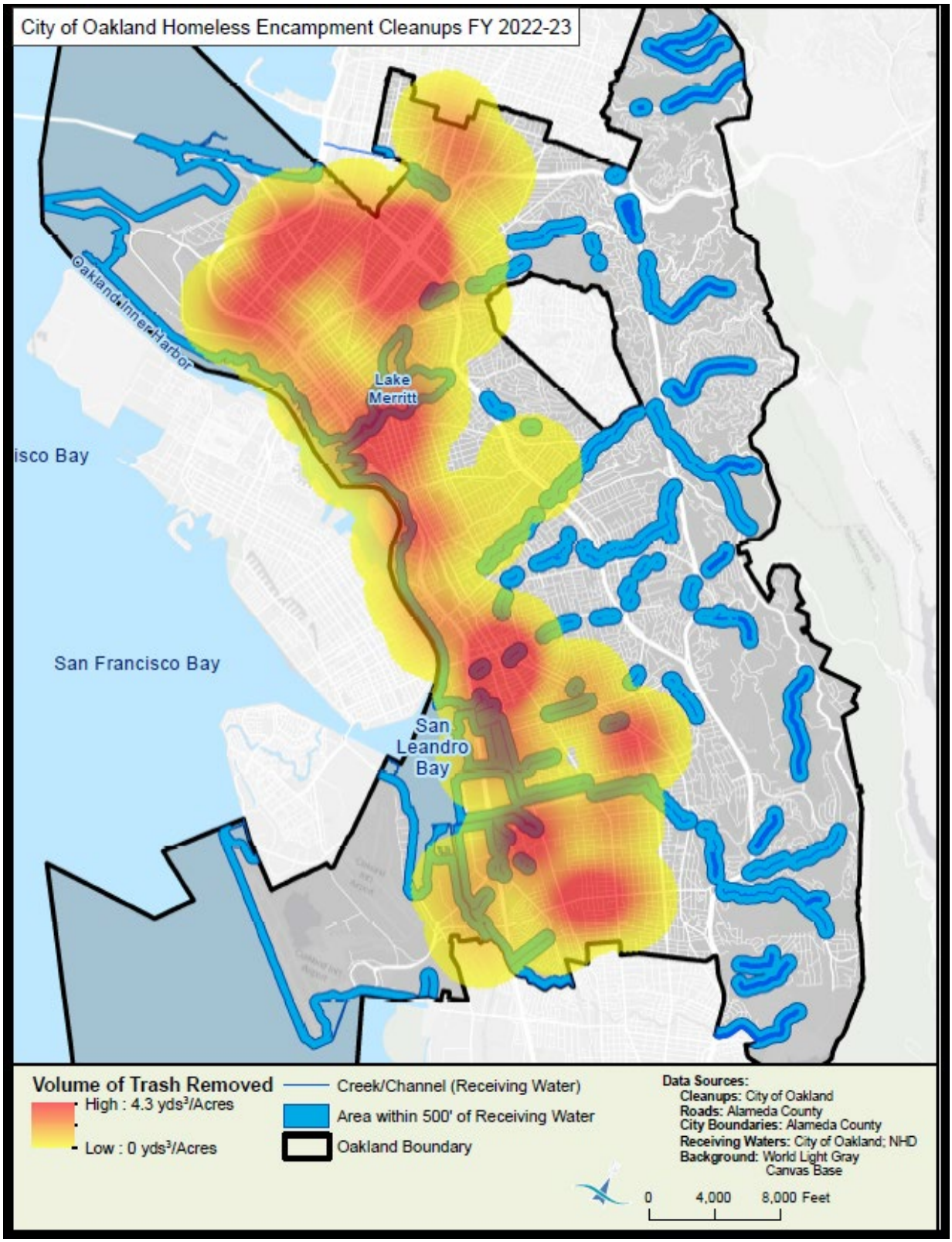


Figure 4. Density of Trash Removed at Homeless Encampment Cleanups led by the City of Oakland, FY 2022-23.

5.6.2 Illegal Dumping

The City removed more than 8.1 million gallons of illegally dumped debris and litter from City streets, parks, and rights-of-way in FY 2022-23 (Table 10). A map showing the locations of illegal dumping clean-up sites in the City in FY 2022-23 is provided in Figure 5. A heat map showing the volume of illegal dumping material removed by the City in FY 2022-23 is provided in Figure 6.[20] Evident from these maps is that dumping occurs throughout most parts of the City, but is concentrated largely west of Highway 580, in the densest portions of the City. A visual comparison with the heatmaps from previous fiscal years, suggests that the geographic distribution of illegal dumping has not substantially changed over FY 2022-23. Additional discussion of the illegal dumping clean-up events and the volume of trash removed in FY 2022-23, including efforts within 500 feet of a waterway, is provided in Section 5.6.3.

Table 10. Illegal Dumping Abatement Totals, FYs 2012-13 through 2022-23.

	Fiscal Year										
Metric	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18[a]	2018-19	2019-20	2020-21	2021-22	2022-23
% of Sites Cleaned w/in 3 Business Days	86%	85%	90%	85%	81%	86%	92%	90%	89%	91%	ND
# of Closed Illegal Dumping Work Orders	15,692	17,346	17,848	21,899	32,758	34,289	39,340	44,552	59,733	46,755	29,820
Volume of Material Removed (Gallons)	7.3M	7.6M	6.9M	7.3M	11.3M	12.1M	12.8M	15.3M	18.6M	15.2M	8.2M

[a] The % of sites cleaned within 3 business days in FY 2017-18 is based on KOCB work orders only. 100% of WMAC orders were closed within 3 days. Info for RRC on the % of work orders closed within 3-days was not available for FY 2017-18.

ND= No data. There was no Asset Management Report in FY 2022-23 to obtain this data due to a ransomware attack.

5.6.3 Total Trash Volume Removed

Through its efforts to control trash associated with homeless encampments and illegal dumping, the City of Oakland removed more than 10 million gallons of trash from City streets, parks, and public rights-of-way in FY 2022-23 (Table 13). Of this volume removed, 81% (8.1 million gallons) was associated with illegal dumping and the remaining 1.9 million gallons was associated with homeless encampments. Over 1.4 million gallons of the trash removed by the City during FY 2022-23 was within 500 feet of a waterway. This accounts for almost 15% of the total trash removed by the City (Table 11).

[20] For purposes of this report, total volume removed by WMAC is calculated by multiplying the number of work orders handled by WMAC times the average volume removed per KOCB/RRC work order.

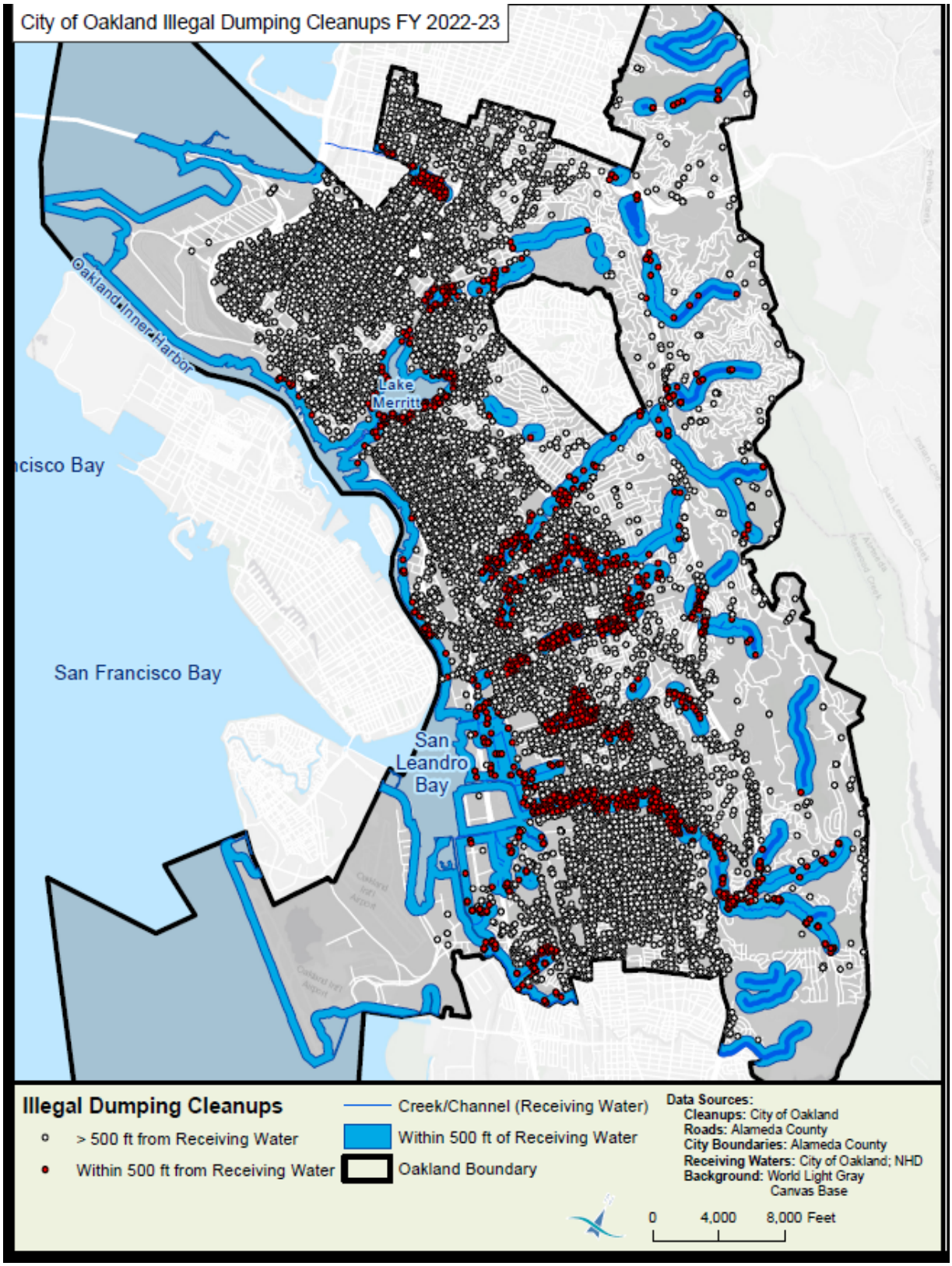


Figure 5. Illegal Dumping locations cleaned by the City of Oakland, Fiscal Year 2022-23.

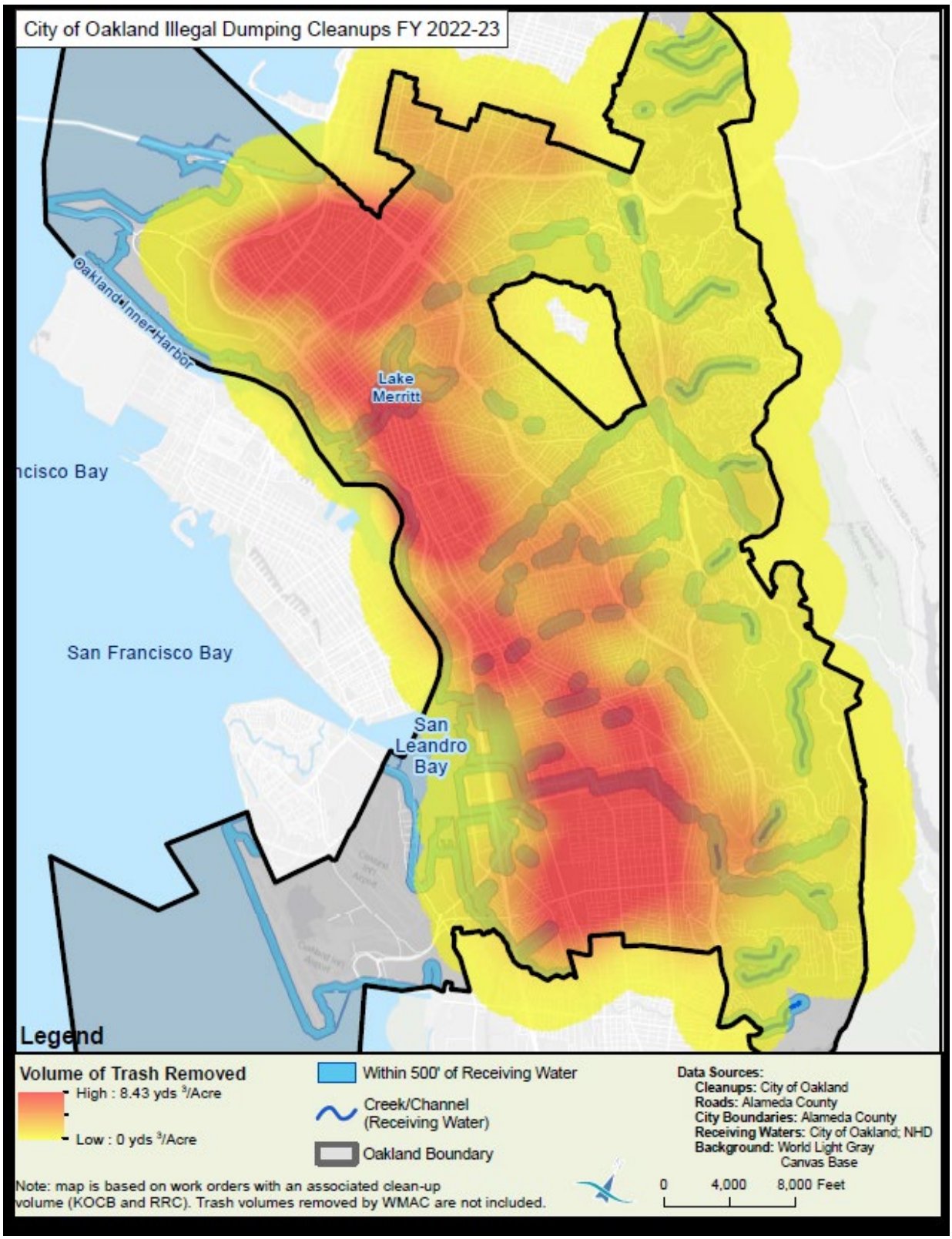


Figure 6. Density of Illegal Dumping locations cleaned by the City of Oakland, Fiscal Year 2022-23.

Table 11. Gallons of Trash Removed by City of Oakland Homeless Encampment and Illegal Dumping Cleanups in Fiscal Years 2017-2023.

Fiscal Year	Source and Trash Removal Location					
	Homeless Encampments		Illegal Dumping		Combined	
	Within 500' of a Waterway	All Sites	Within 500' of a Waterway	All Sites	Within 500' of a Waterway	All Sites
Gallons of Trash Removed						
2017-18	54,340	557,942	1,899,708[a]	12,148,044	1,954,048[a]	12,705,986
2018-19	146,995	2,357,433	1,836,992	12,751,974	1,983,988	15,109,407
2019-20	362,408	3,513,253	1,927,317	15,262,860	2,289,725	18,776,112
2020-21	567,824	4,577,342	3,542,380	18,576,829	4,110,204	23,154,171
2021-22	1,588,629	10,573,791	2,689,151	15,211,065	4,277,780	25,784,856
2022-23	306,838	1,898,396	1,152,208	8,161,204	1,459,046	10,059,600
Number of Cleanup Events						
2017-18	71	382	4,553[a]	34,289	4,624[a]	34,671
2018-19	74	936	5,519	39,340	5,593	40,276
2019-20	177	1,264	5,924	44,552	6,101	45,816
2020-21	318	1,892	9,553	59,733	9,871	61,625
2021-22	782	5,103	8,755	46,755	9,537	51,858
2022-23	166	1,063	4,463	29,820	4,629	30,883

[a] Location information was not available for the illegal dumping work orders addressed by WMAC in FY 2017-18 and therefore these data were not included in the "within 500' of waterway" numbers for FY 2017-18. WMAC events and volumes trash removed are included in FY 2018-19 numbers presented in this table.

In FY 2022-23, the reported numbers are lower than the actual volumes of trash removed since data between November 15, 2022, and April 19, 2023, were lost due to a ransomware attack. It could be assumed that trash volumes collected in FY 2022-23 are actually about twice as high. In general, the amount of trash removal associated with homeless encampments has increased over the years and the amount associated with illegal dumping has decreased (see Table 11 and Figure 7). Increases in the amount of trash removed from homeless encampments can be partially attributable to the City's enhanced efforts visa the KOCB Division to increase the number of cleanup events at homeless encampment sites.

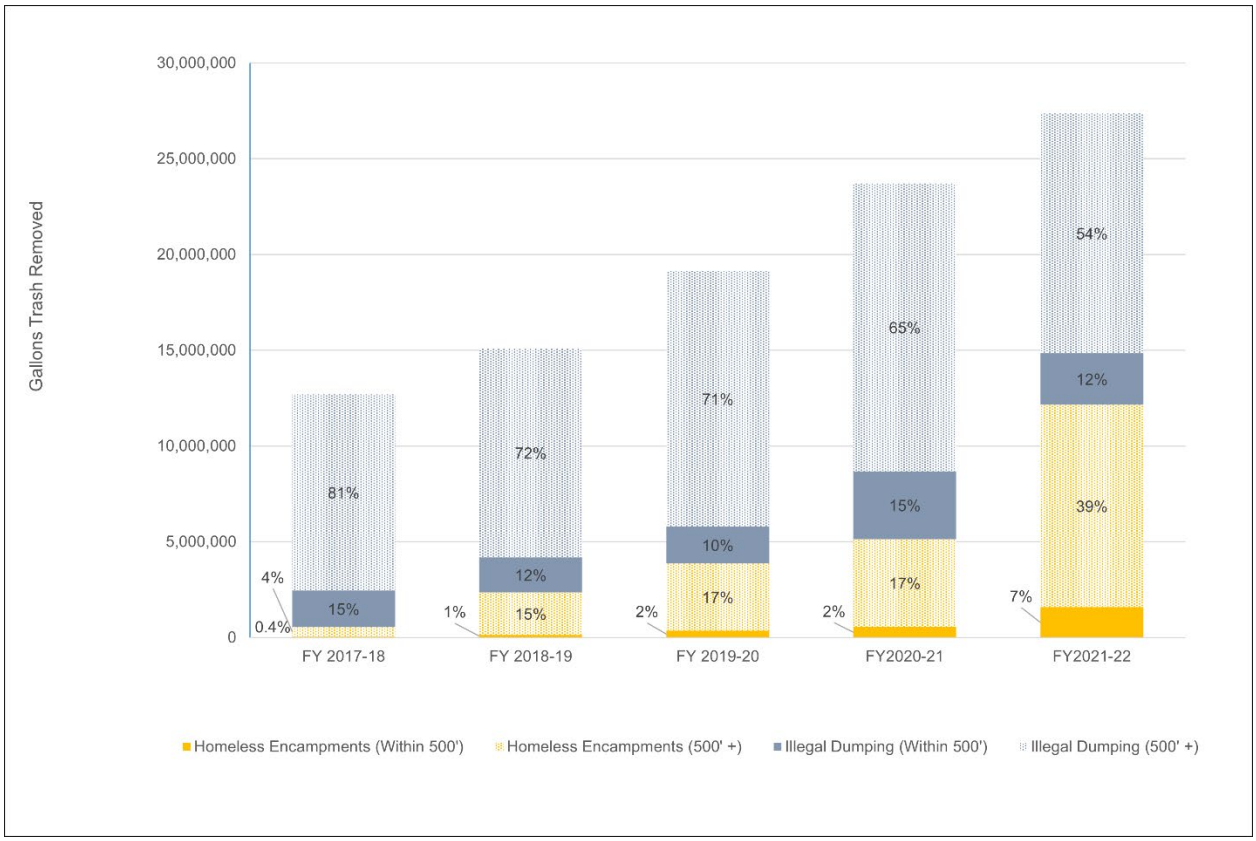


Figure 7. Volume of Trash Removed in the City of Oakland in Fiscal Years 2017-2022 by Source and Proximity to Waterways (i.e., within 500' and outside (500'+) of a waterway). Data for FY 2022-23 was not included as about half of the data is missing due to a ransomware attack. Note: location information was not available for the FY 2017-18 work orders addressed by WMAC, so all volumes removed by WMAC in this FY were assigned to the 500+ category.

SECTION 6: ASSESSMENT OF RECEIVING WATER CONDITIONS

In FYs 2015-16 through 2019-20, the City participated in a regional project led by the Bay Area Stormwater Management Agencies Association (BASMAA), now referred to as BASMC, to develop and test a Receiving Water Trash Monitoring Plan (Trash Monitoring Plan). The project was intended to satisfy requirements in Provision C.10.b.v. of MRP 2.0. The Trash Monitoring Plan focused on initial evaluations of the extent, magnitude and pathways of trash present/deposited on the surface and banks of local creeks, channels, rivers and lakes/lagoons, and the shorelines of San Francisco Bay and the Pacific Ocean. The study area for the Trash Monitoring Plan consisted of receiving water bodies that are within the MRP Area, which includes portions of the five participating counties (San Mateo, Santa Clara, Alameda, Contra Costa, Solano) that are subject to MRP requirements.

As part of the testing phase of the Trash Monitoring Plan, trash assessments were conducted during 2018 through 2020 at five locations within the City of Oakland. Three sites were located at urban creeks/channel segments and two sites were located along the shorelines of Lake Merritt and Oakland Estuary. In addition, two monitoring events were conducted at two trash boom locations at Lake Merritt. Trash boom monitoring results are presented in Table 12. The trash assessments results for the five sites in the City of Oakland are presented in Table 13.

Both qualitative assessments included a visual survey that documented the levels and sources/pathways (including illegal dumping and homeless encampments) of trash observed, and quantitative monitoring that included the measurement of trash volumes collected from within defined assessment areas in creeks, channels, rivers, and lagoons. The methodology and broader study objectives are described in detail in the BASMAA Receiving Water Trash Monitoring Plan (BASMAA 2018) and the final report submitted to the Water Board by BASMAA on July 1, 2020 (BASMAA 2020).

The assessment results showed that trash deposited at sites due to homeless encampments was the predominant pathway during five (5) events. Illegal dumping was the predominant pathway during three (3) events, and litter deposited by wind or due to adjacent land uses (Litter/Wind) was the predominant trash pathway during two (2) events. The broader findings described in the final BASMAA Receiving Water Trash Monitoring Report (BASMAA 2020) show that at targeted locations, poor trash conditions are associated with higher proportions of trash from illegal encampments and illegal dumping. These findings are consistent with the data collected at the five targeted sites within the City of Oakland, where the highest volumes of total trash removed were attributed to either the homeless encampment or illegal dumping pathways.

Given that homeless encampments or illegal dumping were the most dominant pathways of trash observed at receiving water monitoring sites in the City of Oakland, receiving water monitoring may be a useful indicator, along with other on-land and programmatic indicators, to measure trends in trash levels impacting local waterways. Trend indicators and methods, however, cannot be discussed and selected independently from the actions being taken as part of the City's Direct Discharge Plan.

Provision C.10.f.ii of the new MRP 3.0, requires a number of specific items be included in the updated Direct Discharge Plan, including "*A description of how effectiveness of controls will be assessed, including documentation of controls, quantification of trash volume controlled, and*

assessment of resulting improvements to receiving water conditions." Since improvements to the receiving water conditions will likely correlate with any increased trash reductions reported in the MRP Annual Reports, the City will use the Annual Reports as a proxy for observing receiving water conditions. Starting in FY 2023-24, the City will also include up to 3 anecdotal examples of improvements to receiving waters from homeless encampment intervention or illegal dumping abatement activities. The anecdotal examples will include a narrative description along with before and after photographs of cleanly managed encampments and a narrative description along with before and after photographs of trash conditions within the adjacent receiving waters.

Table 12. Assessment Results for Trash Receiving Water Monitoring Conducted During Three Sample Events in 2018 and 2019 at Outfall 56 and Two Sample Events in 2018 at the Glen Echo boon at Lake Merritt, Oakland.

Location	Drainage Area (acres)	Trash Assessment Date	Previous Clean Date	Period of Trash Accumulation (Days)	Trash Volume Removed (Gallons)	Gallon / Day	Gallons/ Month/Acre
Outfall 56	138	4/17/2018	3/27/2018	21	5	0.24	0.05
		2/28/2019	2/21/2019	7	20	2.86	0.62
		1/21/2020	1/28/2020	7	30	4.29	0.93
Glen Echo	1609	4/17/2018	3/27/2018	21	20.5	0.98	0.02
		2/28/2019	2/21/2019	7	102	14.57	0.27

Table 13. Assessment Results for Trash Receiving Water Monitoring Conducted During 2018 and 2019 at Five Targeted Sites Within City of Oakland.

Waterbody	Assessment Location	Trash Assessment Date	Assessment Area (sq ft)	Qualitative Assessment		Quantitative Assessment		Quantitative Trash Pathway			
				Trash Condition Score (0-12)	Trash Condition Category	Total Trash Removed (gallons)	Trash density (gal/ft^2)	Litter/Wind	Homeless Encampments	Illegal Dumping	Upstream Sources
Lake Merritt Channel	Shoreline	7/12/2018	3580	2	Low	8	0.002	100%	0%	0%	0%
		8/22/2019		6	Moderate	10	0.002	0%	100%	0%	0%
Oakland Estuary at Sausal Outfall	Shoreline	7/12/2018	4380	4	Moderate	20	0.005	100%	0%	0%	0%
		8/22/2019		6	Moderate	70	0.015	21%	36%	43%	0%
Courtland Creek	Creek	7/11/2018	3150	5	Moderate	5	0.002	0%	100%	0%	0%
		8/22/2019		11	Very High	30	0.009	0%	100%	0%	0%
Arroyo Viejo	Creek	7/11/2018	2780	6	Moderate	544	0.196	12%	88%	0%	0%
		8/22/2019		10	Very High	85	0.157	0%	100%	0%	0%
Peralta Creek	Creek	7/10/2018	3380	11	Very High	155	0.046	16%	6%	77%	0%
		8/22/2019		10	Very High	75	0.016	0%	13%	73%	13%

SECTION 7: FUNDING AND PLANNED ACTIONS

7.1 FISCAL YEAR 2021-23 BUDGET

On July 30, 2021, the Oakland City Council adopted the balanced, two-year $3.85 billion "Just Recovery" budget covering FYs 2021-22 and 2022-23. The Just Recovery budget includes:

Illegal Dumping ($1.6 million):

- Adds $1.6 million to curtail blight and pick up illegal dumping. Institutionalizes Free Dump Days (formerly the Bulky Block Party pilot), that allow Oaklanders to dispose of large, unwanted items for free on the last Saturday of every month.

Homelessness ($41 million):

- Creates a new Homelessness Unit in the City Administrator's Office to coordinate the City's overall response to the homelessness epidemic and implement Oakland's Encampment Management Policy.
- Allocates an unprecedented $41 million to prevent homelessness, stabilize our unsheltered residents with hygiene support and interim housing/shelter, and help move them to permanently affordable housing.
- Creates Oakland's first dedicated Encampment Cleaning Crews with new positions, overtime funding and equipment, which will double the number of encampments we will clean, and service compared with pre-pandemic levels.
- Creates a new Community Development & Engagement unit in the Housing & Community Development Department to improve and diversify landlord-tenant education and engagement, including on Fair Chance and Just Cause Eviction laws.

7.2 FISCAL YEAR 2023-25 BUDGET

The City is facing the largest budget deficit in its history. Current financial analysis projects the City to have an approximately $360 million shortfall over the next two fiscal years. This inherited shortfall is largely a result of two factors: the loss of federal pandemic funding and a reduction in revenue generated from the real estate transfer tax and transient occupancy tax. The FY 2023-25 budget addresses the historic budget deficit by proposing strategic spending reductions with the goal of maintaining staffing levels and levels of service. None of the spending reductions directly affect programs listed in the DDCP. In fact, several elements of the budget advance the goals of the DDCP including:

- Allocate $108.5 million in state, local and federal funds to provide new shelter and housing options to support our unsheltered neighbors and it streamlines how the City approaches homelessness and housing and protects investments that provide services to over 4,000 people.
- Prioritize the Keep Oakland Clean and Beautiful program that maintains and enhances the cleanliness, health, and appearance of streets, while cleaning over 1,200 homeless

encampments annually.
- Dedicate $216 million in capital funding for the FY 2023-25 budget for affordable housing construction and acquisition/rehabilitation projects.
- Add $1 million of one-time funding to maintain the homeless prevention services pilot which provides wraparound support, flexible financial payments, and legal assistance services to Oakland residents on the verge of homelessness.
- Homelessness services will be merged into the Housing & Community Development Department to allow for improved coordination.

7.2.1 Planned Actions

Existing illegal dumping and homeless encampment abatement and sanitation services will be maintained in FY 2023-25. To the extent possible and within the City's budgets, the City will continue to expand its efforts to prevent, support and control homelessness and illegal dumping in future years. Besides continuing the ongoing programs described in the City's 2019 Direct Discharge Plan, the City will also implement the 2023 Direct Discharge Plan and will meet the requirements in MRP 3.0 pertaining to discharges associated with unsheltered homeless populations. This includes engaging in regional coordination efforts and using the 'Regional BMP Report for Addressing Discharges from Unsheltered Populations' to consider and prioritize additional BMPs.

In FY 2023-25, the City plans to implement several actions to reduce trash discharges associated with illegal dumping and homeless encampments and implement data tracking programs to improve the understanding on the effectiveness of DDCP programs. The City will also continue to evaluate the effectiveness of the DDCP and make adjustments to the programs described therein to improve effectiveness. The City has dedicated funds to enter into agreements for homeless and hygiene services through June 30, 2024, and to extend the City's program supporting small local homeless providers through June 30, 2025. Together, these funds support the following services:

Homelessness prevention, support, and control including:
- 850+ crisis response beds (shelter, cabins, trailers);
- 225+ RV Safe Parking site spaces- average 2 people/space; and
- Hygiene (portable toilets, wash stations) at a minimum of 55 encampments plus 5 program sites; 34 mobile shower sessions/week.
- Capacity building with a focus on racial equity including a capacity building initiative for small BIPOC (Black, Indigenous, People of Color) led agencies and a training program for providers with focus on anti-racist and culturally responsive services.

Additional planned actions in FY 2023-24 include:
- Illegal dumping abatement programs (i.e., eradicate, enforce, educate) including adding license plate reader cameras to the 14 illegal dumping surveillance camera systems to support EEOs in their effort to deter illegal dumping and enforce against dumpers.
    - Status Update: The City released a Request for Proposal in early FY 2022-23 to procure and install license plate readers on the 14 illegal dumping surveillance camera systems. The proposals are currently being reviewed in collaboration with the Privacy Advisory Commission.
- Deploy up to 40 additional portable toilets at homeless encampment locations within 500 feet of a waterway.
    - Status Update: The City is considering locations for additional toilets in high sensitivity areas and will deploy them as resources become available.

- Assign a high priority ranking to all Cityworks illegal dumping abatement service requests within 500 feet of a waterway.
    - Status Update: Staff of the Watershed and Stormwater Management Division and Business Information & Analysis Division are developing a proposal to assign Priority 1 ranking to illegal dumping service requests within 500 feet of a waterway for consideration by management for implementation in FY 2023-24.
- 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 within 500 feet of a waterway.
    - Status Update: The City is now using the City's data tracking system Cityworks to compile information on encampment location through individual Service Requests. In addition, the Human Services Division has begun identifying the number of homeless individuals at encampments when an encampment is identified for EMT intervention (e.g., closure, cleaning, temporary health and safety measures, debris pick-up).

SECTION 8: 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 2022-23, this includes the 306,838 gallons removed from homeless encampments and the 1,152,208 gallons removed from illegal dumping locations, for a total of 1,459,046 gallons.

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 2022-23, Oakland removed approximately 1,459,046 gallons of trash which is almost twice as much trash within 500 feet of receiving water than was necessary to claim the 15% reduction (Table 14). Therefore, consistent with the MRP, the City is reporting a 15% reduction offset in its FY 2022-23 Annual Report.

Table 14. FY 2022-23 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 2022-23 within 500 feet of waterway	1,459,046 (Almost 2x the Load Required to Offset 15%)

*This number would have been higher as this data only includes seven months of the FY due to a ransomware attack. It could be estimated that this number is twice as high. Data collected from 11/15/2022-4/19/2023 was not included in this analysis due to the ransomware attack.

ATTACHMENTS

ATTACHMENT 1

CITY OF OAKLAND DIRECT DISCHARGE WORK PLAN 2023 APPROVAL LETTER

CALIFORNIA Water Boards

GAVIN NEWSOM
GOVERNOR

YANA GARCIA
SECRETARY FOR
ENVIRONMENTAL PROTECTION

San Francisco Bay Regional Water Quality Control Board

Sent via email; no hard copy to follow

August 2, 2023

City of Oakland – Watershed and Stormwater Management Division
Attn.: Terri Fashing
Acting Program Manager
250 Frank H. Ogawa Plaza, Suite 4314
Oakland, CA 94612

Emailed to: Terri Fashing, tfashing@oaklandca.gov

Subject: Acceptance of the City of Oakland's Revised Direct Trash Discharge Control Plan

Dear Ms. Fashing:

Thank you for submitting the City of Oakland's (City's) revised Direct Discharge Control Plan (Plan) on June 15, 2023.

Based on our review, the City's revisions to its Plan satisfy the requirements for approval of a Direct Discharge Control Plan as described in Provision C.10.f.ii of the Municipal Regional NPDES Stormwater Permit (MRP). The City is therefore eligible for up to a 15 percent trash load reduction offset based on the implementation of the approved Plan, including for the 90 percent trash reduction requirement as of June 30, 2023.

Please submit, with the City's FY 2022-23 Annual Report, an update on the City's additional planned actions for FY 2023-24 that are discussed in Plan section 5.2. Please be aware that, pursuant to MRP provision C.10.f.ii, offsets available through the direct discharge control program will no longer be applicable after June 30, 2025.

Should you have additional questions, please contact Imtiaz-Ali Kalyan of my staff at (510) 622-2944 or via email to Imtiaz-Ali.Kalyan@waterboards.ca.gov

Sincerely,

for Eileen White
Executive Officer

cc: Sandy Matthews, ACCWP, sandym@lwa.com

ATTACHMENT 2

CITY OF OAKLAND RESOLUTION 89568

APPROVED AS TO FORM AND LEGALITY

2023 FEB -3 PM 6:02

FILED
OFFICE OF THE CITY CLERK
OAKLAND

Amadis Sotelo

CITY ATTORNEY'S OFFICE

OAKLAND CITY COUNCIL

RESOLUTION NO. 89568 C.M.S.

INTRODUCED BY COUNCIL MEMBER KAPLAN

ADOPT A RESOLUTION RENEWING AND CONTINUING THE CITY COUNCIL'S DECLARATION OF A LOCAL EMERGENCY DUE TO THE EXISTENCE OF THE CITY'S HOMELESSNESS CRISIS

WHEREAS, homelessness has long-term and serious consequences to the health and safety of those who experience it, in particular children who are at risk of health problems including life-long behavioral health challenges; and

WHEREAS, homelessness is a national crisis where the US Department of Housing and Urban Development's 2018 Annual Homeless Assessment Report found that 553,000 Americans were experiencing homelessness on a single day; and

WHEREAS, according to this 2018 Annual Homeless Assessment Report, California accounted for 24% of the nation's homeless population; and

WHEREAS, California "does not have enough affordable housing stock to meet the demand of low-income households" and "the state's 2.2 million extremely and very low-income renter households compete for 664,000 affordable rental homes" as stated in a report by the 2018 League of California Cities Homelessness Taskforce; and

WHEREAS, in the 2017 Alameda County's Homeless Persons Point-In-Time recorded 5,629 people experiencing homelessness the night of January 30, 2017, an increase of 1,489 people from the 2015 count; and

WHEREAS, in 2017 Alameda County's Homeless Persons Point-In-Time Count, 2761 homeless persons were counted in the City of Oakland; and

WHEREAS, on September 19, 2018, a United Nations report on "adequate housing" described Oakland's efforts to "to discourage residents from remaining in informal settlements or encampments by denying access to water, sanitation and health services and other basic necessities" as "cruel;" and

WHEREAS, on January 5, 2016, and also on October 6, 2017, the Oakland City Council adopted ordinances (No. 13348 and No. 13456 respectively), both of which declared a shelter crisis due to a "significant number of persons…without the ability to obtain shelter, resulting in a threat to their health and safety;" and

WHEREAS, conditions described in Ordinance Numbers 13348 and 13456 persist including the exposure of "homeless individuals to traffic hazards, crime, risk of death and injury, exposure to weather, lack of adequate sanitation and debris services, and other conditions that are detrimental to their health and safety;" and

WHEREAS, the number of unhoused individuals or individuals living in substandard or temporary conditions continues to overwhelm our limited City resources and has a devastating impact upon the public health and safety of our residents and the citizenry; and

WHEREAS, multiple cities across California have declared homelessness an emergency including Los Angeles and San Francisco and in California, former Governor Jerry Brown declared a state of emergency in 2017 for a Hepatitis A outbreak in San Diego that killed 20 homeless individuals and left hundreds ill; and

WHEREAS, on February 26, 2019, the City Council adopted Resolution No. 87538 that proclaims that , a local emergency exists due to the welfare and safety concerns of those who live in homelessness or at risk of homelessness and pursuant to Government Code section 8630 does so declare; now, therefore, be it

RESOLVED: That the City Council of the City of Oakland finds and proclaims that a local emergency exists due to the welfare and safety concerns of those who live in homelessness or at risk of homelessness and pursuant to Government Code section 8630 does so declare; and be it

RESOLVED: That the City Council will renew its declaration of a local public health emergency about the homelessness crisis, as stated in Resolution No. 87538 at each of its regular Council meetings to assure that efforts to solve homelessness remain in the forefront and the emergency will continue until its termination is proclaimed and ordered by the City Council; and be it

FURTHER RESOLVED: That the City Clerk shall communicate this resolution to all City Departments, to the Governor, to the President Pro Tempore of the California Senate and the Speaker of the California Assembly, to the regional California Congressional delegation and Senators, and to President Biden.

IN COUNCIL, OAKLAND, CALIFORNIA, FEB 07 2023

PASSED BY THE FOLLOWING VOTE:

AYES - FIFE, GALLO, JENKINS, KALB, KAPLAN, RAMACHANDRAN, REID, AND PRESIDENT FORTUNATO BAS – 8

NOES – 0

ABSENT – 0

ABSTENTION – 0

ATTEST: _____

ASHA REED

City Clerk and Clerk of the Council of the City of Oakland, California

2673681v6

ATTACHMENT 3

HOMELESS ENCAMPMENT CLEAN-UP SCHEDULE

CITY OF OAKLAND

2023 HOMELESS ENCAMPMENT CLEAN-UP SCHEDULE

UPCOMING OPERATIONS			
20-Jun-23	Tues	West St between West Grand Ave and San Pablo Ave	Closure
20-Jun-23	Tues	W Grand Ave between Isabella St and Brush St	Closure
20-Jun-23	Tues	23rd St between West St and Brush St	Closure
21-Jun-23	Wed	E 8th cul de sac and City Parking Lot	Closure
21-Jun-23	Wed	Alameda Ave (Oakport St to Fruitvale Ave)	Deep Cleaning
22-Jun-23	Thurs	E 8th cul de sac and City Parking Lot	Closure
22-Jun-23	Thurs	Alameda Ave (Oakport St to Fruitvale Ave)	Deep Cleaning
26-Jun-23	Mon	7001 San Leandro St (71st Ave and San Leandro St)	Closure
26-Jun-23	Mon	85th and San Leandro St	Closure
27-Jun-23	Tues	Leet Drive	Deep Cleaning
28-Jun-23	Wed	Leet Drive	Deep Cleaning
29-Jun-23	Thurs	E 8th St and 37th Ave (Behind Home Depot)	Deep Cleaning
WEEKLY GARBAGE REMOVAL (NO CARTS)			
Days		Location	Intervention
Tuesday-Thursday		PILE REMOVAL:	Pile Removal (PR) / Garbage Cart Service (GCS) Porta Potty (PP) / Wash Stations (WS) / Abandoned Auto (AA)
		1. 46th & E12th	PR; GCS; PP; WS
		2. 47th & E12th	PR; GCS
		3. 48th & E12th	PR; GCS; PP; WS
		4. 47th & San Leandro	PR; GCS; PP; WS
		5. 14th & MacArthur	PR; GCS; PP; WS
		6. Alameda ave & Fruitvale	PR; GCS; PP; WS
		7. E8th & Alameda	PR; GCS; PP; WS
		8. E12th Median	PR; GCS
		9. 77th & Hawley	PR; GCS; PP; WS
		10. Independent loop	PR; GCS; PP; WS
		11. 29th & MLK	PR; GCS; PP; WS
		12. 30th & MLK	PR; GCS; PP; WS
		13. Sycamore & Northgate	PR; GCS; PP; WS
		14. 23rd & MLK	PR; GCS
		15. 6th & Alice	PR; GCS; PP; WS
		16. 24th & Union	PR; GCS
		17. 23rd and Brush	PR; GCS
		18. 16th & Mandela	PR; GCS; PP; WS
		19. 34th & Peralta	PR; GCS; PP; WS
		20. 38th & San Pablo	PR; GCS
		21. 5th & Kirkham	PR; GCS; PP; WS
		22. 38th & San Leandro	PR; GCS
		23. 19th & E12th	PR; GCS
		24. 22nd & E12th	PR; GCS; PP; WS
		25. 5th & Harrison / 45th & International	PR; GCS
		26. 99th & Edes	PR; GCS
		27. 54th & San Leandro	PR; GCS
		28. 6200 San Leandro	PR; GCS
		29. 84th & San Leandro	PR; GCS; PP; WS
		30. 92nd & San Leandro	PR; GCS; PP; WS
		31. 67th & Bancroft (all around old ace hardware)	PR; GCS
		32. 8400 Enterprise	PR; GCS
		33. 14th & E. 8th	PR; GCS
		34. Leet Drive	PR; GCS
		35. Peralta Park Drive	PR; GCS; PP; WS
		36. 81st and International	PR; GCS
		37. 5th Ave. between E. 8th St. and Embarcadero	PR; GCS
		38. 45th & International/E12th	PR; GCS; PP; WS
		39. High St & Bancroft	PR; GCS
		40. Mosswood (dog park)	PR; GCS
		41. Bancroft & Hilton/55th	PR; GCS
Friday		CONT. PILE REMOVAL	Pile Removal (PR) / Garbage Cart Service (GCS) Porta Potty (PP) / Wash Stations (WS) / Abandoned Auto (AA)
WEEKLY GARBAGE REMOVAL (CARTS)			
		CONTAINERIZED GARBAGE RUN	
		1. 83rd & International (carts)	PR; GCS
		2. 84th & International (carts)	PR; GCS
		3. Bancroft & High (carts)	PR; GCS
		4. Bancroft way (carts)	PR; GCS
		5. 42nd & E12th (carts)	PR; GCS
		6. 45th & MLK (carts)	PR; GCS
		7. 36th & MLK (carts)	PR; GCS
		8. 28th & Ettie (carts)	PR; GCS
		9. 38th & Manila (carts)	PR; GCS
		10. 35th & Market (carts)	PR; GCS
		11. 35th & West (carts)	PR; GCS
		12. Bishop Floyd Park (carts)	PR; GCS
		13. 34th & Telegraph (carts)	PR; GCS
		14. Driver Plaza (carts)	PR; GCS
		15. 56th & Telegraph (carts)	PR; GCS
		16. Grove Shafter Park (carts)	PR; GCS
		17. Ramandi Park (carts)	PR; GCS
		18. Elmhurst Plaza Tennis Courts (carts)	PR; GCS; PP; WS
		19. Embarcadero & Livingston (carts)	PR; GCS
		20. 96th & International (carts)	PR; GCS
		21. Cypress Memorial Park (carts)	PR; GCS; PP; WS
		22. Pine Knoll Park (carts)	PR; GCS
		23. Veteran Memorial Park (carts)	PR; GCS; PP; WS
		24. 18th and Poplar (carts)	PR; GCS
		25. 34th & Elm (carts)	PR; GCS; PP; WS
		26. Baldwin (carts)	PR; GCS; PP; WS
		27. 3rd and Chester	PR; GCS

The schedule is created in advance and posted weekly, no later than Monday. * Information is subject to change at any time without further notice. *Sites listed can be serviced in any order. Updated 06/09/23

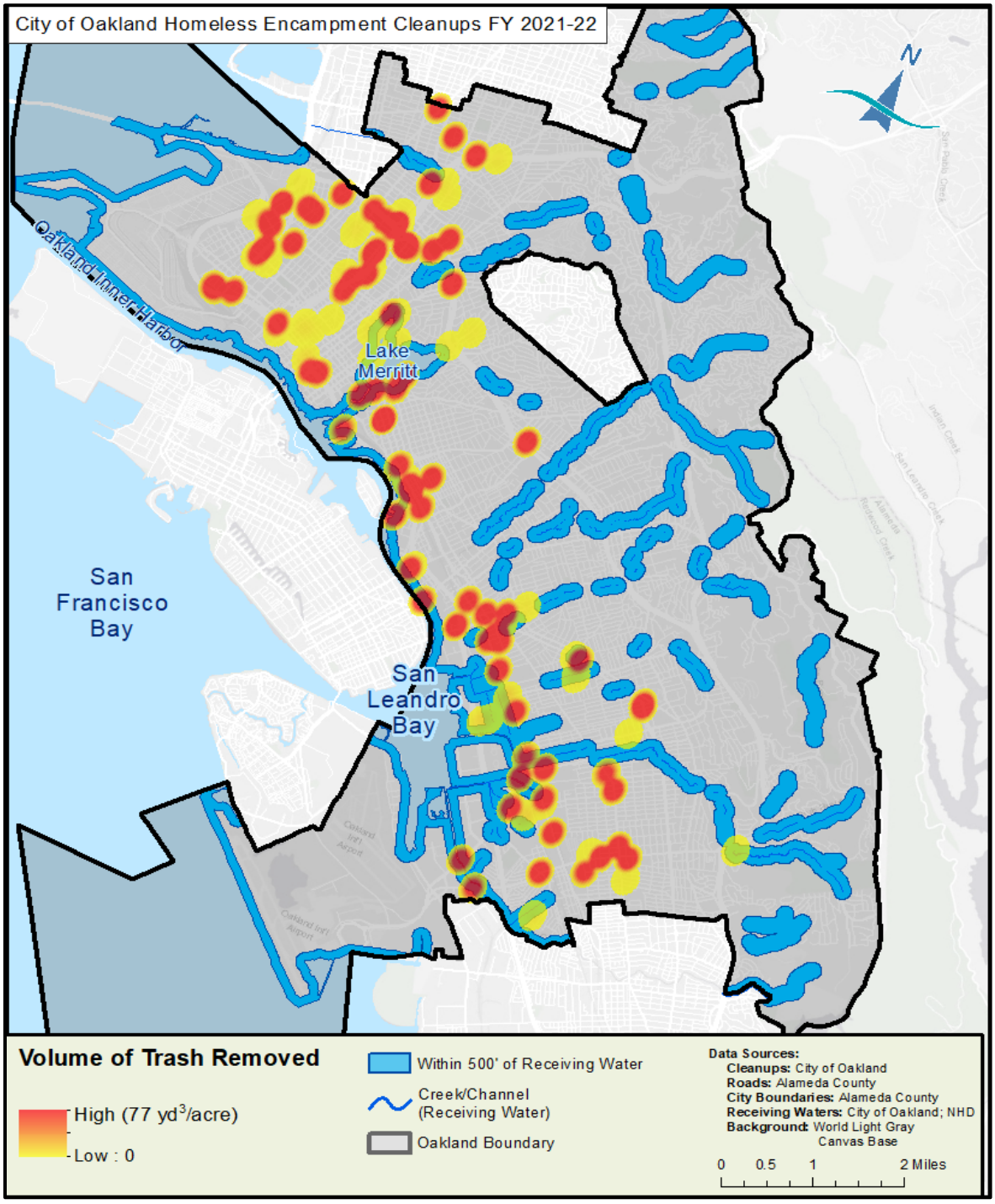
CITY OF OAKLAND
2023 HOMELESS ENCAMPMENT CLEAN-UP SCHEDULE

28. Edes and Carey	**PR; GCS**
29. Channel Park	**PR; GCS**
30. 20th and Willow	**PR; GCS; PP; WS**
31. Dover Mini Park	**PR; GCS**
32. Snow Park	**PR; GCS; PP; WS**

The schedule is created in advance and posted weekly, no later than Monday. * Information is subject to change at any time without further notice. *Sites listed can be serviced in any order. Updated 06/09/23

ATTACHMENT 4

HOMELESS ENCAMPMENT CLEAN-UP HEAT MAP FY 2021-22

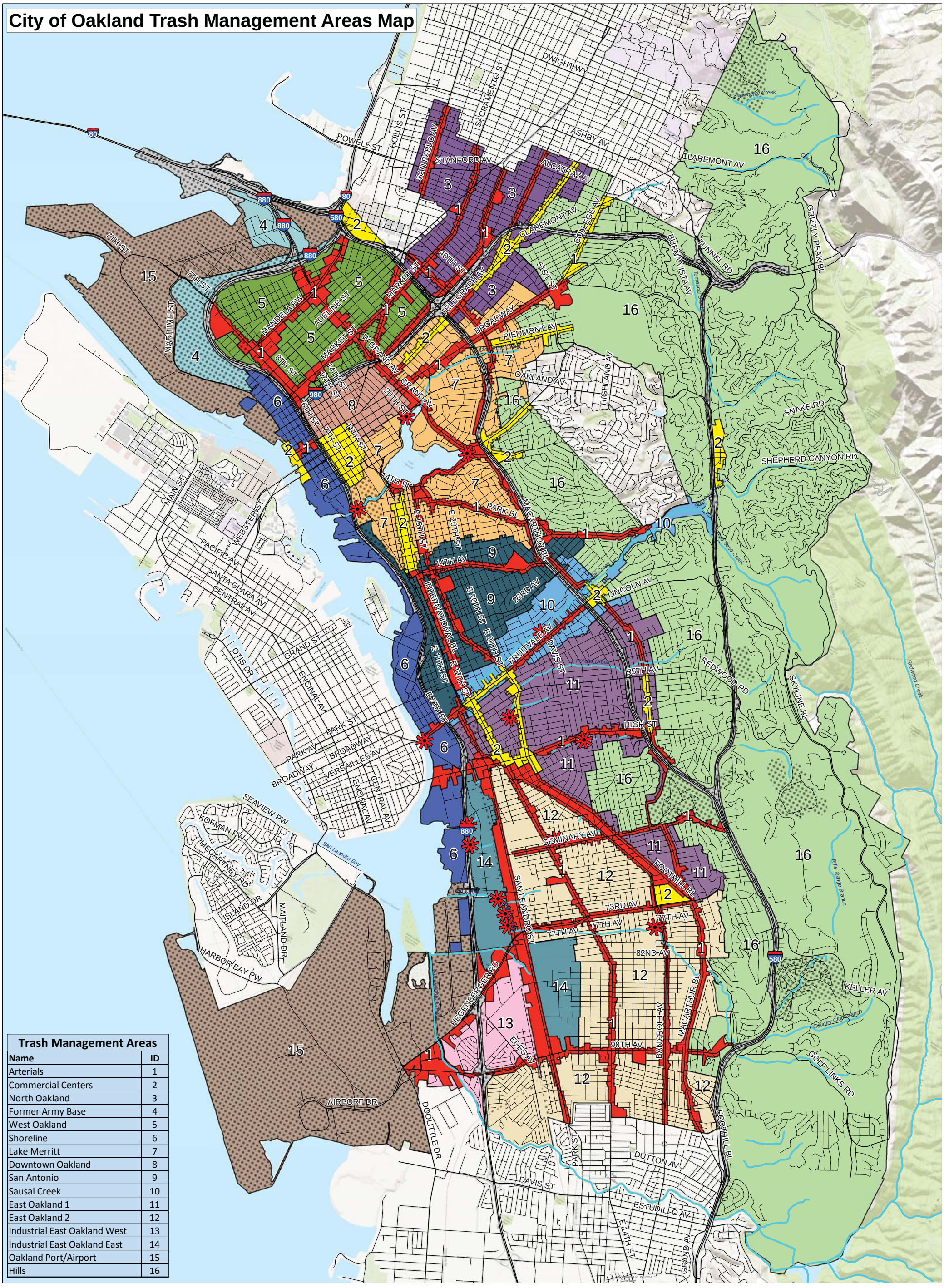

City of Oakland Homeless Encampment Cleanups FY 2021-22
N
Oakland Inner Harbor
Lake Merritt
San Francisco Bay
San Leandro Bay
Volume of Trash Removed
High (77 yd3/acre)
Low : 0
Within 500' of Receiving Water
Creek/Channel (Receiving Water)
Oakland Boundary
Data Sources:
Cleanups: City of Oakland
Roads: Alameda County
City Boundaries: Alameda County
Receiving Waters: City of Oakland; NHD
Background: World Light Gray Canvas Base
0 0.5 1 2 Miles

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

0 0.5 1 2 Miles

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

Map Created By:
EOA, Inc.

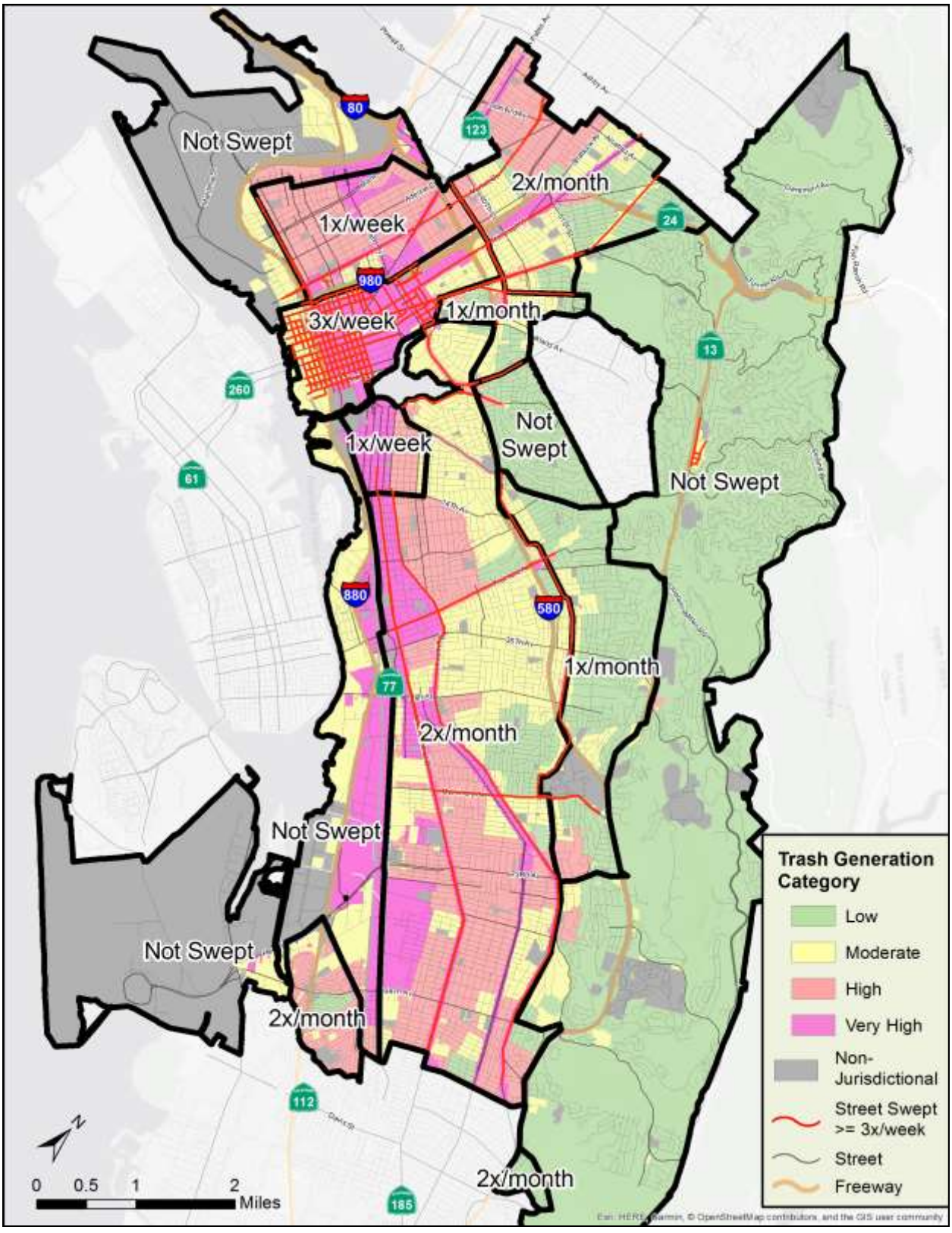
Date:
January 30th, 2014

ATTACHMENT C.10.6

City of Oakland

Street Sweeping Frequency Map

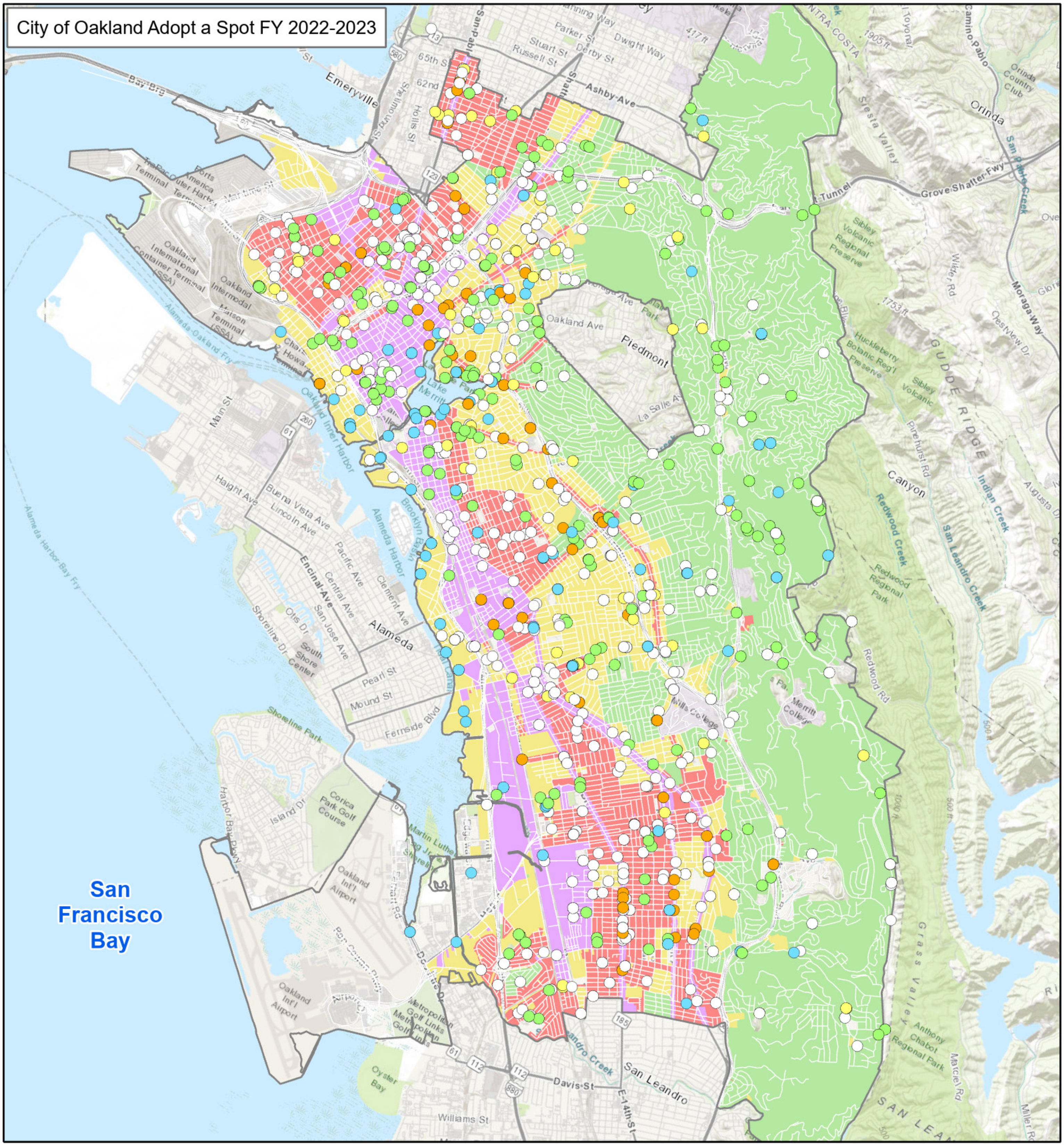
FY 2022-2023


Not Swept
2x/month
1x/week
1x/week
3x/week
1x/month
Not Swept
1x/week
Not Swept
1x/month
2x/month
Not Swept
Not Swept
2x/month
2x/month
80
123
24
980
13
260
61
880
580
77
112
185
0 0.5 1 2 Miles
Trash Generation Category
Low
Moderate
High
Very High
Non-Jurisdictional
Street Swept >= 3x/week
Street
Freeway

ATTACHMENT C.10.7

City of Oakland Adopt a Spot Map

FY 2022-2023



Type of Adopted Spot

- Block
- Creek/Shoreline
- Litter Container
- Median
- Park

Trash Generation Rate

- Low
- Moderate
- High
- Very High

CITY OF OAKLAND

0 0.5 1 2 Miles

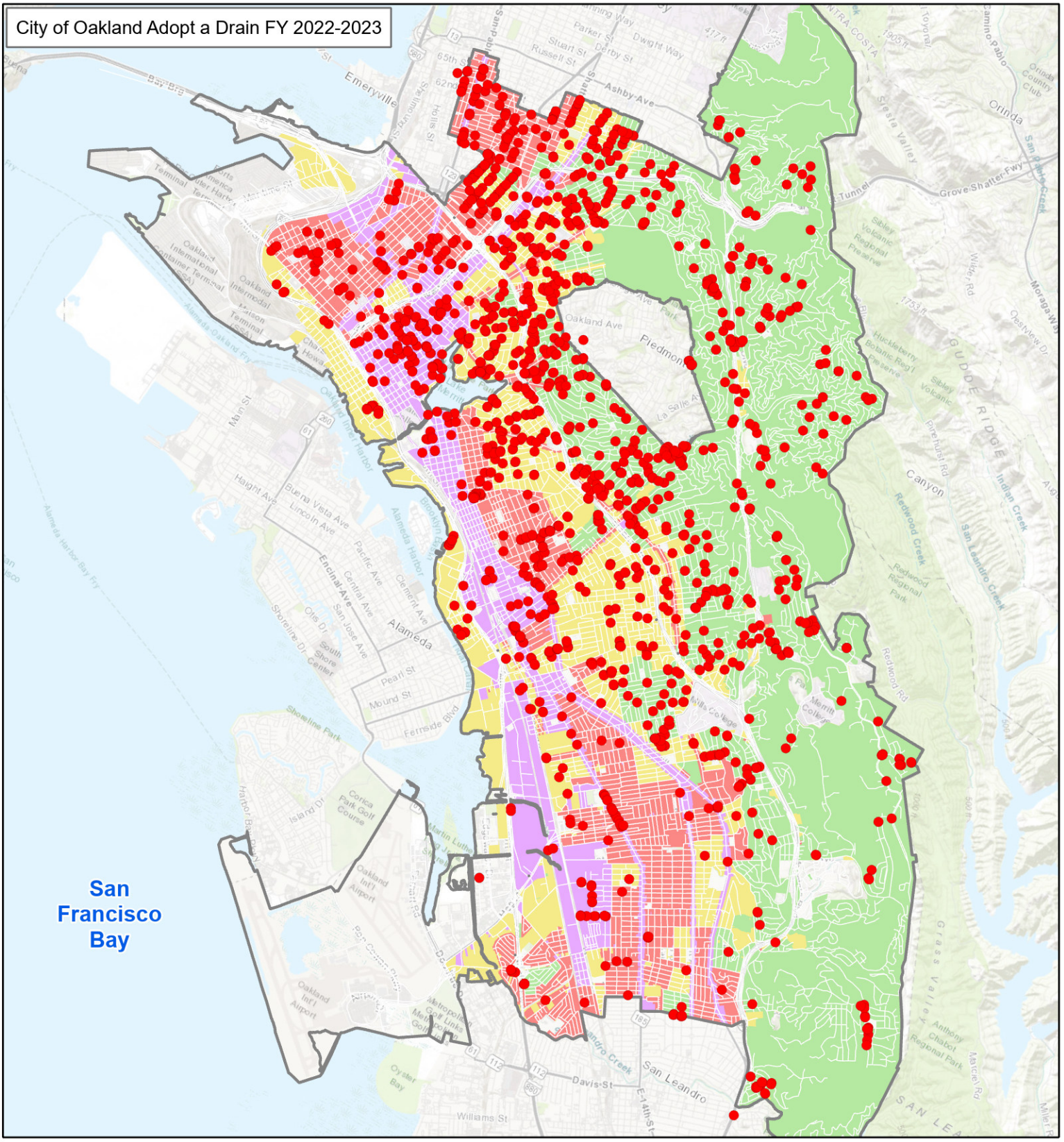
N

ATTACHMENT C.10.8

City of Oakland

Adopt a Drain Map

FY 2022-2023


City of Oakland Adopt a Drain FY 2022-2023
San Francisco Bay
Emeryville
Oakland
Alameda
Piedmont
Orinda
San Leandro
Adopted Storm Drain Inlet
Trash Generation Rate
Low
Moderate
High
Very High
CITY OF OAKLAND
0 0.5 1 2 Miles

ATTACHMENT C.10.9

City of Oakland

Example Disposable Food Service Ware

Enforcement Letter

FY 2022-2023

CITY OF OAKLAND

250 Frank H. Ogawa Plaza, Suite 5301 OAKLAND, CALIFORNIA 94612-2034

Public Works Agency FAX (510) 238-7286
Environmental Services Division TDD (510) 238-3254

Date

Record ID: **XXXX**

Name
Business Name
Address
Oakland, CA 946**xx**

Facility Inspected On: Date

Re: Formal Warning to Comply with Chapter 8.07, Title 8 of the Oakland Municipal Code: Disposable Food Service Ware

This is to inform you that the City of Oakland has observed or received complaints of the following violation of the Disposable Food Service Ware Ordinance, Chapter 8.07 of Title 8 of the Oakland Municipal Code at your business: **Business Name** located at **Address** in Oakland. It was observed:

☐ That your business serves prepared food on polystyrene foam food service ware.

☒ That your business provides straws for eat-in service without receiving a request.

The City reserves the right to inspect your business to determine whether you comply with the terms of the above cited regulations. You have 14 calendar days from the date you receive this violation letter to ensure that for your business, WINGSTOP:

☐ Prepared foods are not served on polystyrene foam food service ware.

☒ Staff in your business only provide straws for customers upon request.

To help you comply with the ordinance, please find enclosed a copy of the Environmental Compliance Guide. It contains additional information about the ordinance requirements, which you may find helpful. If your food service ware vendor is unaware of the required compostable products, you may search https://www.bpiworld.org/CertifiedCompostable for the disposable products your business needs.

CITY OF OAKLAND

Thank you for your cooperation in helping to make our City a healthier place to do business. If you have any questions about this matter, you may contact the Recycling Hotline at (510) 238-SAVE (7283) for more information.

Sincerely,

Peter Slote
Solid Waste & Recycling Program Supervisor

cc: City Administrator
Enclosure: Environmental Compliance Guide

ATTACHMENT C.10.10

City of Oakland

Long-Term Trash Load Reduction Plan

UPDATED LONG-TERM TRASH LOAD REDUCTION PLAN

Submitted in Compliance with Provisions C.10.d and C.10.g of NPDES Permit No. CAS612008

CITY OF OAKLAND

September 30, 2023

1. INTRODUCTION

1.1 2014 Long-Term Trash Load Reduction Plan

The City of Oakland (City) submitted its initial Long-Term Trash Load Reduction Plan and Assessment Strategy (Long-Term Plan) on February 1, 2014 to the San Francisco Bay Regional Water Quality Control Board (Regional Water Board) in compliance with Provision C.10.c of the Municipal Regional Stormwater National Pollutant Discharge Elimination System (NPDES) Permit (No. CAS612008, MRP 1.0). The Long-Term Plan describes trash load reduction control actions being implemented or planned within the City and the trash generation or management areas where the actions are or will be implemented. The goal of the Long-Term Plan is to achieve trash load reductions from the City's municipal separate storm sewer system (MS4) as required by the MRP and improve conditions within local creeks, lakes, and the San Francisco Bay Estuary.

1.2 MRP 3.0 Trash Load Reduction Requirements

On May 11, 2022, the MRP was reissued by the Regional Water Board (Order R2-2022-0018; No. CAS612008) and is referred to as MRP 3.0. MRP 3.0 became effective on July 1, 2022, and Provision C.10 requires applicable Permittees, including the City, to continue to make progress on reducing trash discharges from their MS4s to receiving waters from 2009 levels. Trash load reductions from MS4s are required in accordance with the following schedules described in MRP 3.0:

1. 90 % by June 30, 2023; and
2. 100 % by June 30, 2025.

These MRP 3.0 trash load reduction benchmarks are a continuation of the trash load reduction benchmarks (e.g., 40%, 70% and 80%) included in previous iterations of the MRP (i.e., MRP 1.0 and 2.0). Methods used by the City to demonstrate progress towards, and achievement of, the benchmarks are described in MRP 3.0 Provision C.10.

1.3 Purpose of Updated Long-Term Trash Load Reduction Plan

Provision C.10.d.ii of MRP 3.0 states that if the City does not attain the 90 % benchmark by June 30, 2023 without trash load reduction credits and offsets, it shall submit a Updated Long-Term Trash Load Reduction Plan (Updated Long-Term Plan) and a schedule for implementation of additional trash load reduction control actions sufficient to achieve compliance with the 90 % compliance benchmark within a reasonable timeframe, and the 100 % compliance benchmark by June 30, 2025. MRP 3.0 Provision C.10.g goes on to describe the schedule in which the City is required to submit its Updated Long-Term Plan to the Regional Water Board (i.e., with its FY 22-23 Annual Report by September 30, 2023).[1]

This Updated Long-Term Plan describes trash load reduction control actions being implemented and planned for implementation to achieve the trash load reduction benchmarks required in MRP 3.0. Current and planned trash control actions are also listed by Trash Management Area (TMA), the geographical areas where the current and planned actions are or will be implemented. Anticipated implementation schedules for planned control actions that are sufficient to achieve compliance with the

[1] MRP 3.0 also requires Permittees who are unable to demonstrate the achievement of the 90% trash load reduction benchmark by June 30, 2023 to submit a Notice of Noncompliance (NON) by June 30, 2023. Although the City of Oakland achieved the 90% benchmark with the use of offsets and credits, including the those associated with the City's Direct Discharge Control Program, the City submitted a NON out of an abundance of caution to comply with the MRP 3.0 Provision 10.g.vi requirement.

90 % compliance benchmark within a reasonable timeframe, and the 100 % compliance benchmark by June 30, 2025, are also included in this Updated Long-Term Plan. The trash assessment strategy that the City is continuing to implement is described in its Annual Reports. Any modifications to the assessment strategy will be documented annually in these reports.

The City reserves the right to revise or amend this Updated Long-Term Plan and modify control measures and schedules described under its own discretion.

2. Existing and Planned Trash Control Measures

The following sections include summaries of the City's trash control actions implemented to date that have helped the City maintain its trash load reduction above the previous mandatory trash load reduction requirements included in the previous versions of the MRP (i.e., 40%, 70%, 80%) and the 90% benchmark included in MRP 3.0. Additionally, new or enhanced trash control measures that the City anticipates implementing to comply with the 100% benchmark.

2.1. Summary Descriptions of Existing Control Measures

Since the initial trash load reduction requirements were adopted by the Regional Water Board in MRP 1.0, the City has implemented a number of trash control actions to address trash load reduction benchmarks. These control actions have aided the City in significantly reducing the generation of trash in TMAs and/or the levels of trash discharged from its MS4, while maintaining compliance with the MRP. These trash control actions are also summarized in annual reports submitted to the Regional Water Board by the City.

Full Trash Capture Systems/Devices

To date, the City has installed and adequately maintained 197 catch-basin insert types of Full Trash Capture (FTC) devices certified by the State Water Resources Control Board.[2] These devices are Connector Pipe Screens (CPS) types of catch basin inserts that have been sited to address moderate, high or very high trash generating areas within the City. Additionally, the City has installed 12 high-flow capacity FTC systems, including Hyrdrodynamic Separator (HDS) devices and two Gross Solid Removal Devices (GSRDs). Together with LID facilities that are designed as multi-benefit treatment systems that remove trash at a level equivalent to more traditional FTC devices, stormwater runoff from over 1,220 acres of moderate, high or very high trash generating areas within the City's jurisdictional area is collectively treated by these FTC systems. Currently, these FTC devices represent a 12% trash load reduction compared to the City's baseline (2009) level of trash generation.

Other Types of Trash Controls

In addition to FTC devices, the City has also implemented many other types of trash controls to address trash generation. These controls include street sweeping, on-land cleanups, Adopt-a-Drain and Adopt-a-Spot programs, storm drain cleaning, illegal dumping prevention and abatement, public education and outreach focused on anti-littering, Excess Litter Fees, Business Improvement Districts, municipal ordinances on single-use litter-prone items, and the Direct Discharge Control Program (DDCP). As a result of these actions, the City has achieved additional trash load reduction based on the results of On-land

[2] https://www.waterboards.ca.gov/water_issues/programs/stormwater/docs/trash_implementation/2023/full-cptre-available-to-public-6.14.2023.pdf (updated June 16, 2023).

Visual Trash Assessments (OVTAs) conducted consistent with MRP requirements. Trash control measures other than FTC devices that have been implemented by the City are summarized below.

Street Sweeping

The City's intensive Street Sweeping Program is the most widespread control measure that the City uses to intercept trash once it is generated/accumulated on streets. The City has posted signs on all routes and uses an 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. To enhance performance above its baseline street sweeping levels, the City has implemented many control measures since 2009:

- 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 broom sweepers.
- 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.
- 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 starting have 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.

Adopt-a-Spot and Adopt-a-Drain Programs

The City'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. Volunteers contribute thousands of hours each year towards on-land clean-up at adopted spots and parks. Annually, these volunteers remove roughly 500,000 gallons of trash from adopted spots. There are currently over 600 confirmed adopted spots and parks in the City.

In 2013, the City officially launched an "Adopt-a-Drain" program to complement the Adopt-a-Spot 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 program. 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 steadily increased and over 1,500 of the estimated 13,314 drains in the City are currently included in the program. Annually, there are over 10,000 cleaning events and over 15,000 volunteer hours logged each year as part of the program. While the primary focus of the Adopt-a-Drain program is 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.

Storm Drain Cleaning

The City continues to maintain a variety of stormwater infrastructure types (including weirs, tree wells, storm drain inlets, culvert and storm pipes, manholes, "V" ditches, and pump stations). 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). Storm drain inlets are inspected and maintained annually. Additionally, culverts and storm pipes are cleaned on an annual basis and pump stations are inspected and serviced twice monthly.

Illegal Dumping Prevention and Abatement

The City has a robust and on-going illegal dumping prevention and abatement program, which is summarized here but more fully described in the City's Direct Discharge Plan Progress Report (see Attachment C.10.4 of the City's FY 22-23 Annual Report). The City addresses illegal dumping using three strategies:

1. Eradicate illegally dumped materials from the streets;
2. Deter and prevent illegal dumping and enforce and prosecute the perpetrators of illegal dumping; and
3. Educate Oakland residents and businesses on proper disposal methods and opportunities to take ownership and pride in their community.

Eradication

The City's Keep Oakland Clean and Beautiful Division (KOCB), which falls under OPW, responds to citizen reports[3] of litter and illegal dumping. The KOCB's Illegal Dumping Abatement Program operates seven days a week. On the weekends, there are four full time crews in four garbage trucks. Monday and Friday there are 12 full-time crews that utilize 12 trucks (garbage, flatbed, overhead loader, and pickup). From Tuesday through Thursday there are four additional full-time crews (for a total of 16 crews) that utilize the trucks. This work is accomplished by 38 staff including three supervisors, 10 crew leaders, and 25 workers. Materials are picked up and taken to the Davis Street transfer station. Starting in 2009, every call and clean-up activity for illegal dumping is tracked through the City's data tracking system, *Cityworks*. In 2009, the City established a performance standard that 85% of its illegal dumping requests will be cleaned up within three working days of a report.

In March 2018, the City initiated a Rapid Response Crew (RRC) that proactively removes illegal dumping from main thoroughfares, noted hotspots, and block-by-block (as opposed to responding only to dumping identified by work orders). FY 2018-19, the KOCB and RRC are assigned to different zones within the City and work together to address reported illegal dumping.

In June 2022, the Oakland City Council approved Resolution No. 89279 C.M.S. to accept and appropriate up to $1.28 million in Clean California grant funds over the next two years and to execute a Clean California Maintenance Agreement (CCMA) between California's Department of Transportation (Caltrans) and the City to provide litter, bulky waste, and homeless encampment debris removal services in Caltrans' right-of-way in Oakland. The CCMA has extended the City's capacity to clean areas of Oakland that are not cleaned by City crews. Caltrans has contracted with the City to clean on-ramps and off-ramps, underpasses and other areas under Caltrans' jurisdiction, contributing to safer communities and more sustainable infrastructure. Twenty-three (23) locations totaling fifty-seven (57) sites were identified by Caltrans and vetted by the City for worker safety. The City executed a contract in August 2022 with the Beautification Council to perform the work on Caltrans property. The Beautification Council crews are tasked with providing comprehensive litter, bulky waste, and homeless encampment debris abatement and disposal from Caltrans' right-of-way in Oakland.

Deterrence, Prevent and Enforce

KOCB has implemented structural controls to help reduce illegal dumping. In 2009, KOCB identified 83 "high priority" illegal dumping sites and in 2010 the City launched a pilot video program that placed deterrence devices (live cameras and dummy cameras) at 46 of those locations . In addition, the City has installed physical barriers (logs, boulders, fences) at known dump sites to discourage dumping. The City continues identifying opportunities to implement additional physical deterrence methods.

Starting in spring of 2013, the City launched an illegal dumping enforcement initiative. This effort is multi-pronged and has created a more effective mechanism for holding illegal dumpers accountable. The initiative includes: 1) creation of a multi-departmental task force; 2) modification of the City ordinance (Ordinance 13195 C.M.S.); 3) institution of administrative fines for illegal dumping incidents; and 4) creation of "sting operations." . The Ordinance modifications include, but are not limited to, the following elements:

- Classify illegal dumping as a public nuisance;

[3] Request are tracked online at: https://data.oaklandnet.com/Infrastructure/illegal-dumping/dpba-izmw.

- Make large commercial quantities of illegal dumping (one cubic yard or greater) a misdemeanor;
- Enhance administrative and civil remedies and penalties against persons for illegal dumping. The penalties include administrative citations, civil penalties, treble damages, and punitive damages;
- Provide a civil penalty up to $1,000 per day for each large item or commercial quantity (one cubic yard or more) illegally dumped. For example, for each day an illegally dumped mattress remains on public or private property, a civil penalty up to $1,000 is applicable. Dumping more than three cubic yards (an amount requiring more than one pickup truck to remove) would be citable as two violations;
- Permit recovery of the City's and victim's costs from the perpetrator, including costs of investigation and recovery of attorney's fees and court costs;
- Allow community service in lieu of monetary penalties, in accordance with procedures developed by the City Administrator;
- Require landlords to disclose forwarding information for tenants who leave and illegally dump their belongings near their former residences; and
- Make landlords responsible for materials tenants illegally dump near their rental units.

Since September 2014, the City has operated a reward program to encourage community members to provide information on illegal dumping. The program is prominently advertised in multiple locations on the City's website and through fliers distributed throughout the City at Neighborhood Crime Prevention Council meetings and other community meetings. In addition, the City makes it easy to report illegal dumping through the 311 Call Center, via email, an online reporting form, and a mobile phone/web app.

In 2016, the City Council allocated $100,000 in funding for implementation and use of cameras for illegal dumping enforcement. These funds allowed the City to purchase four sets of video cameras and license plate readers as well as a server at City Hall that receives the data from each camera site. The cameras are installed at undisclosed strategic locations. Camera systems are promising tools for gathering evidence and holding illegal dumpers accountable. Experience has shown that citizen's reports of illegal dumping are frequently limited to incidents citizens happen to observe and critical information is often missing to hold the illegal dumpers accountable. City staff has been adjusting the use and deployment of the cameras and expects to improve their effectiveness over time. The City is actively exploring smart, solar powered, and rapid deployable cameras. With the use of cameras staff can proactively document illegal dumpers in areas where illegal dumping occurs most frequently, gathering information needed to take action.

The City’s 2018 mid-cycle budget included funding to rebuild the former Litter Enforcement Officer Program that is now called the Environmental Enforcement Officers (EEOs). Starting in FY 2018-19, four EEOs and one Supervising EEO began assisting with illegal dumping enforcement efforts. EEO duties include illegal dumping outreach, education, and enforcement, issuing warning letters, and carrying out investigations to identify individuals violating illegal dumping regulations.

In the FY 2021-23 budget, the City Council authorized an additional $100,000 for the purchase of 14 cameras to support EEOs in their effort to deter illegal dumping on Oakland city streets. The City’s goal

is to install cameras near chronic dumping hotspots and use video evidence to identify dumpers or produce supporting information needed to build credible cases for prosecution. Over time, surveillance cameras may serve as an ongoing, visual deterrent to potential dumpers after the surveillance program matures.

In addition to the actions described above, the City also provides appointment-style curbside bulky pickup service[4] via Waste Management of Alameda County (WMAC) to help prevent the dumping of trash on streets and in waterways. The bulky pickup services has been available free of charge if used once a year to residents of 1-4-unit single family dwellings (SFD) since 2005, and to residents of 5-plus-unit multi-family dwellings (MFD) since July of 2015. OPW staff continues to promote the service to increase utilization by all residents, and particularly residents of MFDs, through electronic distribution of ads and video content including Facebook, YouTube and Craigslist, and on television screens at both Oakland branches of the Department of Motor Vehicles. Printed promotional materials are distributed annually by mail to all Oakland households, and on an on-going basis at community fairs and events, at Oakland Library branches and Community Centers. OPW staff also provides on-site technical assistance, in collaboration with WMAC staff, to first-time MFD owners and managers to ensure successful outcomes that foster ongoing participation.

In FY 2018-19, OPW staff and the Mayor's office collaborated on a phone banking effort targeting MFD property owners and managers. In July and August 2018, OPW staff trained Mayoral interns to call MFD owners and managers and promote use of the Bulky Pickup service and to promote the waiver that allows tenants to schedule Bulky Pickup appointments directly with WMAC. Over 600 owners and managers were contacted and approximately 100 waivers were distributed.

OPW and the Mayor's Office are also collaborating on "bulky block party" events to promote participation in the bulky pickup service. The first event was held on August 25, 2018. Oakland residents may bring bulky items including appliances, mattresses, tires, and other large items for free disposal or recycling, in addition to receiving information about and encouragement to use the bulky pickup service. The program was paused for a portion of FY 2020-21 due to COVID-19 gathering restrictions. In FY 2021-22, the City resumed bulky block parties on the last Saturday of every month.

Education and Outreach

The City has taken steps to educate citizens on illegal dumping with the goals of 1) resetting societal norms on personal responsibility for proper disposal of unwanted items; 2) re-emphasizing the laws and consequences for illegally dumping; and 3) reminding residents and businesses of proper disposal options available. A Media Outreach Campaign, Oaktown PROUD, for Illegal Dumping is focusing on users of social media who are based in Oakland. It encompasses youth, young adults, and adults who use these platforms. For transparency and accountability, Cityworks data regarding illegal dumping is posted in a dashboard online.[5] The messaging has informed users on City activities to address illegal dumping, and how the City and community members can work together to make progress toward cleaner neighborhoods.

OPW contracted with Aspire Visual Communications and Design, an Oakland-based consultant, to develop an outreach and marketing campaign to empower residents and reduce dumping. Per the contract scope, "the campaign, through messaging and outreach strategy/tools, will empower and build

[4] More information available at: www.oaklandrecycles.com

[5] See https://www.oaklandca.gov/services/oak311.

unity within the community by providing awareness, information, and guidance towards resources designed to promote behavioral change and reduce illegal dumping and its negative impacts." In the spring of 2019, Aspire conducted a "research and development" phase of the campaign to gather input from stakeholders in the community, the City, and other subject matter experts to help inform the messaging goals and scope of the campaign.

The campaign slogan, "Oaktown PROUD: Prevent and Report Oakland's Unlawful Dumping" along with a logo was developed with significant input by the community. This slogan and logo was used on outreach materials beginning with the launch of the campaign at the *Battle for the Bay* event that took place on Coastal Cleanup Day, September 21, 2019.[6] Conceived of by Oakland staff as a nod to the 20th anniversary of the famous Brown + Brown=Green event, where Oakland and San Francisco, under the leadership of Jerry Brown and Willie Brown competed to see which city could be the cleanest and greenest, the two Cities will once again participate in a friendly competition to rally volunteers and clean neighborhoods and waterways. The Oaktown PROUD messaging was featured throughout the event publicity and day-of activities. Further outreach events and media messaging will build on the momentum of the Battle for the Bay event.

A crucial component of the Environmental Enforcement Program is to change the behavior of those who contribute to the persistent blight in Oakland. Through zone walks, EEOs conduct educational visits to convey to Oakland residents and merchants the impacts of unlawful hauling/dumping and provide appropriate ways to dispose of waste. Officers also distribute information at community meetings, City-sponsored events, schools, and via social media. Notably, EEOs establish rapport and ongoing relationships with residents to empower Oaklanders to be a part of the solution, resulting in clean, sustainable communities.

The EEOs, through their zone patrol and community engagements, routinely promote WMAC's Bulky Pickup Service as a resource and an alternative to dumping. This awareness campaign has been instrumental in educating Oaklanders in the proper method of disposing bulky items.

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 (see Attachment C.10.9). 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 three 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.

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

[6] More information available at: https://medium.com/@Oakland/oakland-volunteers-break-records-on- battle-for-the-bay-2019-7629634ab467

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 TMAs 1, 2, 8, 11 and 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.

Private Land Drainage Area (PLDA) Trash Inspection Program (TIP)

As part of its Provision C.4 Commercial/Industrial Stormwater Inspection Program, the City recently began implementing a Trash Inspection Program (TIP) on properties that: 1) generate moderate, high, or very high level of trash, 2) are plumbed to the City's storm drain system, and 3) are not already addressed by a FTC system. Through the TIP, inspections are performed on these properties, also called Private Land Drainage Areas (PLDAs), and if the level of trash observed on the property is greater than low trash generation, property owners and/or managers are required to implement additional trash control measures to achieve low trash generation on their property. Trash control measures that private property owners may implement include FTC systems or other types of trash control actions that are equivalent to or better than FTC systems. To date the City has identified roughly 700 PLDAs and will likely identify additional properties in FY 22-23. The City has implemented the TIP on PLDAs where C.4 stormwater inspections occur. The goal of the TIP is to address trash from all PLDAs (those inspected under MRP Provision C.4 and those that are not currently inspected through the City's C.4 compliance program, known as the Business Stormwater Inspection Program (BSIP)) by July 1, 2025.

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 10 BIDs in Oakland. 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.

Municipal Ordinances on Single-Use Litter-Prone Items

The Alameda County Waste Management Authority adopted the expanded Single-Use Bag Ban in 2016. 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.

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 (O.M.C.) 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. O.M.C. compliance inspections are accomplished through the BSIP.

Homelessness Prevention and Encampment Management

The City has a robust and evolving homelessness prevention and encampment management strategy. A full description of the City's strategy is described in the City's Updated Direct Discharge Control Plan approved by the Regional Water Board in 2023.

2.2. Anticipated Additional Trash Control Measures

In addition to the ongoing implementation of trash control measures summarized in section 2.1 that contributed to the City achieving the 90% trash load reduction benchmark with trash load reduction offsets and credits allowable under MRP 3.0, the City anticipates implementing the control measures summarized in this section to achieve the 90% and 100% trash load reduction benchmarks without the use of offsets and credits. The planned schedules for implementation of these measures are described in Section 3.0.

The City is currently evaluating, planning, and implementing additional control measures to address trash in the remaining trash generating areas and to achieve the 90% and 100% benchmarks. The control measures currently implemented and those planned to achieve the 90% trash load reduction strategy without credits and offsets are listed in Table 2-1 and further described in this section. To address the 100% benchmark without credits and offsets, the City will likely need to implement additional controls beyond those included in its 90% load reduction strategy. These controls may include a combination of additional FTC systems/devices and other types of trash control measures. These additional control measures planned by the City are also listed in Table 2-1 and further described in this section.

Table 2-1. Planned trash control measures for achieving the 90% and 100% trash load reduction benchmarks without the use of trash load reduction credits or offsets.

Control Measure	Existing Trash Control Measure (2023)	New/Enhanced Control Measures Planned to Address:	
		90% Benchmark	100% Benchmark
Full Trash Capture (FTC) Systems			
High-flow Capacity Devices			
• 12 Hydrodynamic Separator Units and Gross Solids Removal Devices	X	X	X
• Mandela Parkway FTC Project			X
• Carey Avenue FTC Project			X
Catch Basin Insert Devices			
• 197 Connector Pipe Screens and Baskets	X	X	X
• ~1,880 Connector Pipe Screens and Baskets		X	X
• Additional Connector Pipe Screens and Baskets			X[a]
Multi-benefit Treatment Systems			
• Existing bioretention and other low impact development systems that achieve FTC	X	X	X
• Newly constructed bioretention and other low impact development systems that achieve FTC		X	X
Other Types of Trash Controls			
Street sweeping	X	X	X
Adopt-a-Spot and Adopt-a-Drain Programs	X	X	X
Storm Drain Cleaning	X	X	X
Illegal Dumping Prevention and Abatement	X	X	X
Excess Litter Fee	X	X	X
Business Improvement Districts	X	X	X
Private Land Drainage Area (PLDA) Trash Inspection Program (TIP)	X	X	X
Municipal Ordinances on Single-Use Litter-Prone Items	X	X	X
Homelessness Prevention and Encampment Management	X	X	X

[a] The construction/installation of additional FTC devices beyond those currently planned is being considered by the City, but further evaluation is needed before the City commits to implementing this control measure. Evaluation will occur in FY 22-23.

Planned Full Trash Capture Projects

High Flow Capacity Full Trash Capture Systems

The City has identified five locations where high-flow capacity systems are believed to be feasible. Design and planning for construction is moving forward on two of the five systems at the time this Plan was updated. Below is a brief description of each high-flow capacity system that the City is currently moving forward with planning, design and construction, and the funding being used to support the installation of these FTC systems.

Mandela Parkway FTC Project

On June 12, 2018, the Oakland City Council adopted Resolution No. 87238 C.M.S., authorizing the City to enter a Cooperative Implementation Agreement with Caltrans for a FTC project in the Ettie Street watershed. Caltrans was not able to proceed with the agreement at that time, but the terms of the agreement have now been finalized, and Caltrans will provide $2.9 million for the Mandela Parkway at 24th FTC project. Construction is estimated to occur in October 2024. A map illustrating the trash generating areas that will be addressed by the Mandela FTC project is included as Figure 2-1. This project is estimated to provide 5.4% trash load reduction.

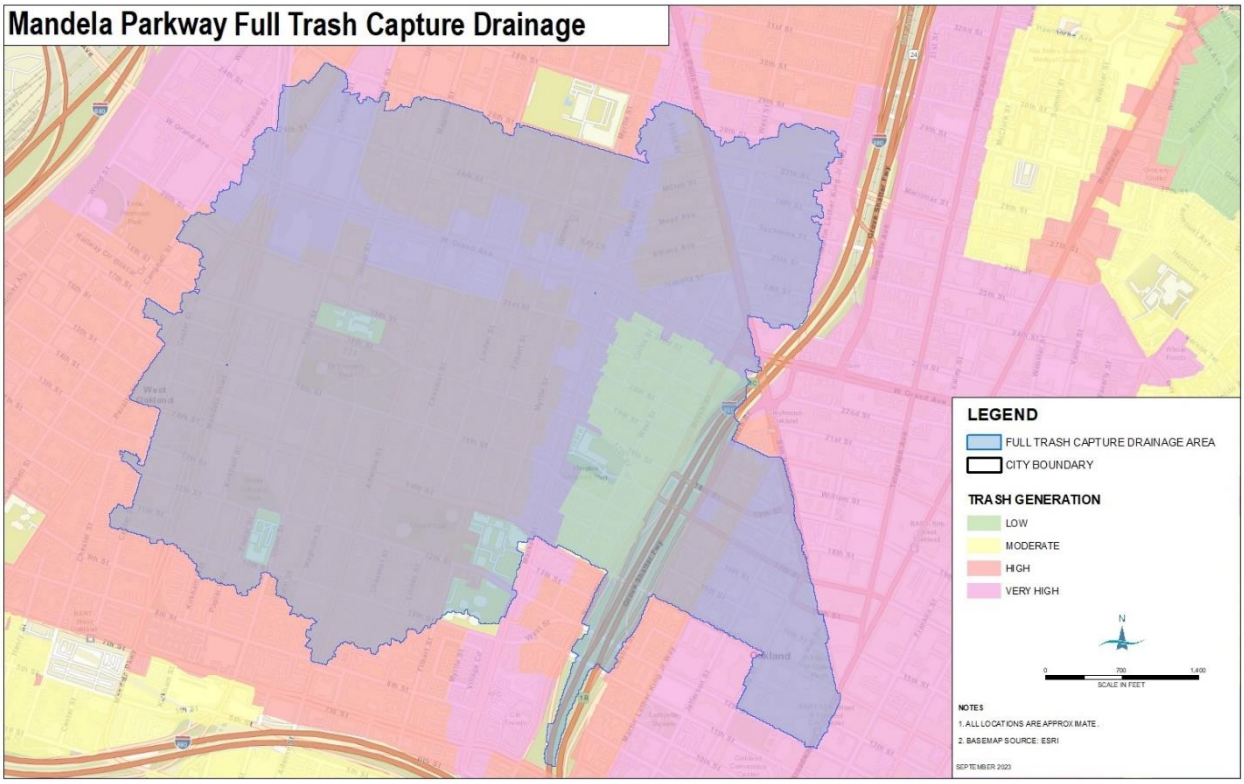


Figure 2-1. Location and drainage area of the planned Mandela Parkway high-flow capacity FTC project in Oakland.

Cary Avenue FTC Project

On June 21, 2022, the Oakland City Council adopted Resolution No. 89257 C.M.S., authorizing the City to enter a Cooperative Implementation Agreement with Caltrans for a high-flow capacity FTC project in the Cary Avenue watershed. Through this agreement Caltrans will provide $2.3 million for the FTC Project in East Oakland. Construction is estimated to occur in August 2024. A map illustrating the trash generating areas that will be addressed by the Cary Avenue FTC project is included as Figure 2-2. This project is estimated to provide 4.3% trash load reduction.

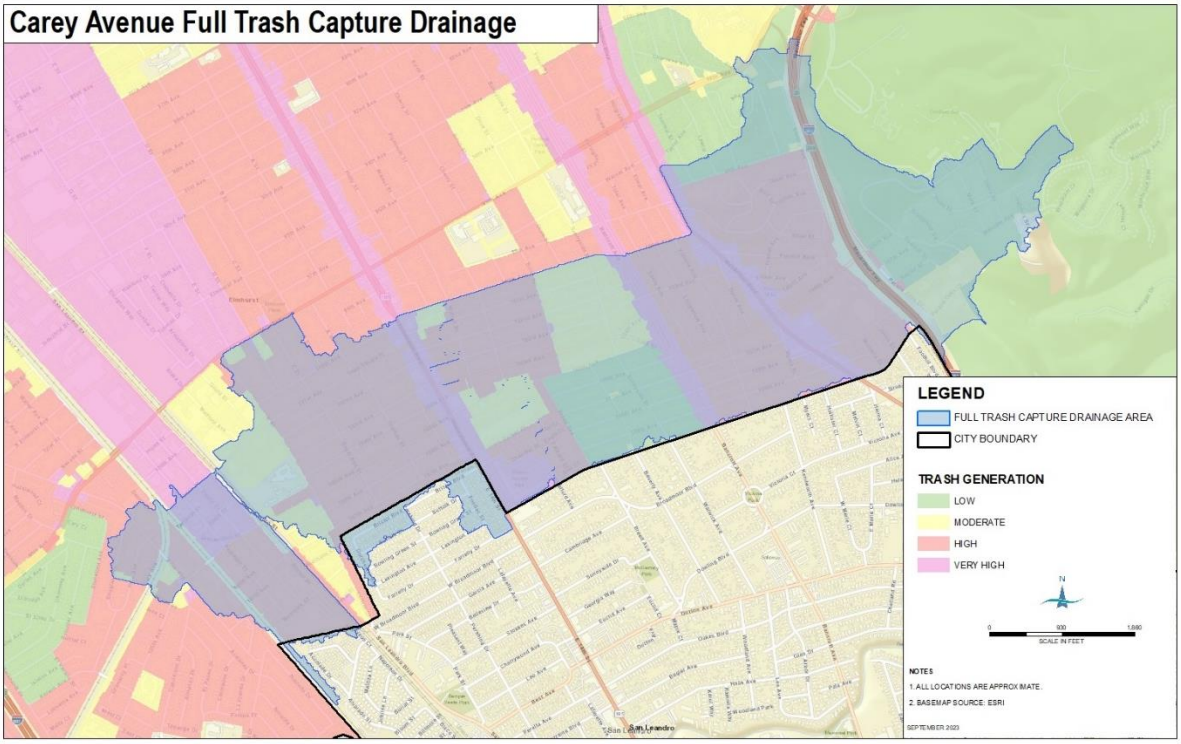


Figure 2-2. Location and drainage area of the planned Carey Avenue high-flow capacity FTC project in Oakland.

Catch Basin Insert Types of Full Trash Capture Devices

The City will use existing bond funding, transportation funding, capital project funding, and grants to install the FTC devices needed to meet and maintain the 100 % trash load reduction benchmark. The City Council has provided direction to staff on several occasions to look for opportunities for FTC implementation:

- On June 12, 2017, City Council adopted Resolution No. 86773 C.M.S. for the identification of Capital Improvement Projects funded by the General Obligation Bond (Measure KK), including the adoption of a Trash Capture Transportation Map that showed transportation project locations in high trash generation areas to ensure that those projects incorporate FTC devices as feasible.
- On November 14, 2019, City Council adopted Resolution No. 87919 C.M.S. authorizing the submission of an Ordinance on the March 3, 2020, Statewide Primary Election ballot for a 20-

year parcel tax to raise revenues necessary to maintain, protect and improve parks and recreational facilities and services, to provide homeless support services, and to improve water quality. Oakland voters passed Measure Q, which provides $21 million annually with approximately $1 million per year for stormwater system improvement and trash reduction efforts, including FTC device installation. Measure Q funds will be used in FY 2023-24 and FY 2024-25 to install FTC devices.

The City is currently in the process of identifying the highest priority and feasible locations for catch basin insert types of FTC devices. The City plans to spend approximately $5.64 million to implement the following FTC projects that collectively will install approximately 1,880 additional catch basin insert types of FTC devices:

- Approximately 80 small FTC devices will be installed as part of the Active Transportation Program 20th Street Project, Highway Safety Improvement Program Cycle 7 Telegraph Avenue Improvement Project, Fruitvale Alive Gap Closure Project, and International Boulevard Pedestrian Lighting Project.
- Approximately 250 FTC devices will be installed as part of the Sewer Rehabilitation Program.
- Approximately 1,200 FTC devices will be installed in very-high, high, and moderate trash generating areas receiving paving rehabilitation as part of the 3-Year Paving Program.
- Approximately 350 FTC devices will be installed in very-high, high, and moderate trash generating areas using Measure Q funding.

Estimated annual maintenance costs will triple for storm drains with installed FTC devices, which will increase annual labor costs, and capital costs for maintenance equipment will increase to handle the new demand for storm drainage maintenance.

Other Types of Trash Controls

Trash Inspection Program (TIP) on Private Land Drainage Areas (PLDAs)

Building on the trash inspections conducted to date on C.4 commercial/industrial facilities, the City plans to continue conducting inspections on properties identified to date as PLDAs, finalize its list of PLDAs that need to be inspect, and inspect all PLDAs by July 1, 2025. If the level of trash observed on the PLDA during the inspection is greater than low trash generation, the 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 by July 1, 2025.

The number of PLDAs that will be included in the TIP is contingent upon the installation of the high-flow capacity FTCs described in the previous section of this Updated Long-Term Plan. If a PLDA is within the drainage area for an installed system, then the PLDA will be removed from the TIP. Roughly 700 PLDAs have been identified to date in the City. Many of these PLDAs are located within the drainage areas for the two planned high-flow capacity FTC systems, so the number of PLDAs that will be included in the TIP will evolve once the drainage areas for these proposed systems are finalized. The City plans to finalize its inventory of PLDAs and continue inspecting PLDAs in FYs 2023-24 and 2024-25, starting with those PLDAs outside of the drainage areas for planned/proposed high-flow capacity FTC systems.

Other Actions to Address Trash in Areas Draining to the Public Right-of-Way

The City will also continue to implement numerous trash control actions described in section 3.1 that are already underway. Additionally, the City will explore and/or undertake actions that include, but are not limited to:

- Examine the fee structure, fee amount, and definition of Excess Litter Fee program eligible businesses.
- Work with stakeholders to encourage the formation of BIDs in new areas. The City's Economic and Workforce Development Department entered into a contract with Urban Place Consulting (UPC) to provide technical assistance, potentially including BID feasibility studies, to underserved commercial corridors seeking to organize. With direction from the City, UPC has been engaging groups of business owners and property owners in underserved commercial corridors throughout the City. One outcome is a BID feasibility study is being planned in Little Saigon.
- Explore the feasibility of expanding limitations on disposable food service ware.
- Consider recommendations and findings from a citywide street sweeping evaluation on how the City can reduce trash levels on streets, reduce redundancies in trash control measures, and improve the cost-efficiency of the City's Street Sweeping Program.

3. Anticipated Trash Load Reductions and Schedules

The implementation of trash control actions described in section 2.1 has resulted in the significant reduction of trash generated in TMAs and discharged from the City's storm drainage system into local waterways, including the San Francisco Bay. Trash load reductions achieved to date are reported by the City via annual compliance reports submitted to the Regional Water Board.

The City anticipates implementing the additional trash control measures listed in Table 2-1 and described in section 2.2 to achieve the 90% and 100% trash load reduction benchmarks. These planned trash control measures have varying levels of implementation uncertainty due to many factors, including funding and engineering feasibility. New trash control measures with the highest level of certainty for implementation by June 30, 2025, are the Mandela Avenue and Cary Avenue high-flow capacity FTC projects, the Trash Inspection Program on PLDAs, and a portion of the 1,880 catch basin insert types of FTC devices. The implementation of these projects/programs, along with ongoing implementation of current actions, should allow the City to achieve the 90% trash load reduction benchmark by June 30, 2025. With regards to the 100% benchmark, estimated trash load reductions for the additional planned trash control actions are listed in Table 3-1.

Methods used to calculate trash load reductions are described in MRP Provision C.10. The anticipated trash load reductions presented in Tables 3-1 are based on the most readily available information at the time this Updated Long-Term Plan was developed and are subject to change based on new or improved information. Therefore, the anticipated trash load reductions presented is this section should be considered preliminary planning level estimates.

The City achieved the 90% trash load reduction benchmark with the use of credits and offsets, as described in its FY 22-23 Annual Report. This includes offsets associated with the City's Updated Direct Discharge Control Plan, which was approved by the Regional Water Board in August 2023. Based on the City's current understanding of the steps needed to implement anticipated planned trash control measures described in Section 2.2, the City anticipates achieving the 90% trash load reduction

benchmark without credits and offsets by June 30, 2025 and the 100% trash load reduction benchmark without credits and offsets by December 31, 2025. The 90% trash reduction benchmark will be achieved largely by a combination of the planned Mandela Parkway FTC project, a portion of the 1,880 planned catch basin insert FTC devices, and the implementation of the TIP at a portion of the PLDAs. The 100% trash reduction benchmark will be achieved by the installation of the planned Carey Avenue FTC project, the remaining portion of the 1,880 planned catch basin insert FTC devices, and the implementation of the TIP at the remaining PLDAs.

Table 3-1. Estimated trash load reductions and implementation schedules for existing trash control measures and trash control projects/programs planned to achieve the 100% trash load reduction benchmarks in the City of Oakland, without trash reduction offsets and credits.

Trash Management Area (TMA)	% of Trash Generated in City Jurisdictional Areas	Estimated % Reduction via Ongoing Implementation of Current (FY 2022-23) Trash Control Measures[7]	Estimated % Trash Load Reduction Anticipated via Planned Control Measures					Total % Trash Load Reduction Anticipated by December 31, 2025 via Current and Planned Control Measures
			High-flow Capacity FTC Systems	Catch Basin Insert FTC Devices[8]	Trash Inspection Program on PLDAs	Other Types of Control Measures[9]	Subtotal	
1	28%	18%	4%	3%	3%	0%	**10%**	28%
2	9%	8%	0%	1%	0%	0%	**1%**	9%
3	4%	3%	0%	1%	0%	0%	**1%**	4%
4	0%	0%	0%	0%	0%	0%	**0%**	0%
5	6%	2%	2%	1%	1%	1%	**4%**	6%
6	2%	0%	0%	0%	0%	1%	**1%**	2%
7	7%	5%	0%	1%	0%	1%	**2%**	7%
8	5%	4%	1%	0%	0%	0%	**1%**	5%
9	6%	5%	0%	1%	0%	0%	**1%**	6%
10	2%	1%	0%	0%	0%	0%	**0%**	2%
11	4%	1%	0%	0%	0%	2%	**2%**	4%
12	14%	4%	2%	2%	0%	5%	**10%**	14%
13	1%	1%	0%	0%	0%	0%	**1%**	1%
14	10%	8%	0%	2%	0%	0%	**2%**	10%
15	0%	0%	NA	NA	NA	NA	**NA**	NA
16	0%	0%	0%	0%	0%	0%	**0%**	0%
Totals	**100%**	**61%**	**9%**	**13%**	**12%**	**4%**	**39%**	**100%**

[7] The percentages presented in this column do not include trash reduction offsets or credits. Additionally, the percentages presented may not align with the percentages reported by the City in its FY 2022-23 Annual Report. The percentages presented here assume that some of the reductions reported in FY 2022-23 that are associated with control measures other than FTC devices would be addressed by new planned control measures and therefore the reductions are included in the columns associated with planned control measures to the right of this column.

[8] Assumes 1,880 catch basin insert types of FTC devices are installed in high and very high trash generating areas, and each device would address 1-acre of land.

[9] May include additional FTC devices and/or enhanced or new types of trash control measures.

ATTACHMENT C.12.1

Oakland Bridge Inventory

FY 2022-2023

Attachment C.12.1 - City of Oakland Inventory of Bridges and Overpasses - June 30, 2023

Structure Number	Permittee	Latitude North (DDMMSS.SS)	Longitude West (DDMMSS.SS)	Facility Carried	Location	Year Built	Year Reconstructed	Structure Type Material	Bridge Ownership	Agency Responsible for Maintenance	Estimated Bridge Roadway Replacement Schedule
33 0041	Oakland	37462342	122133873	'INTERSTATE 880'	'04-ALA-880-28.24-OAK'	1947	1963	Steel continuous	State Highway Agency	State Highway Agency	not known
33 0088R	Oakland	37442300	122114638	'HEGENBERGER RD EB'	'04-ALA-880-25.49-OAK'	1976	0	Prestressed concrete continuous	State Highway Agency	State Highway Agency	not known
33 0105L	Oakland	37473737	122105475	'STATE ROUTE 13 SB'	'04-ALA-013-5.01-OAK'	1966	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0105R	Oakland	37473802	122105412	'STATE ROUTE 13 NB'	'04-ALA-013-5.01-OAK'	1966	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0109	Oakland	37452807	122110182	'STATE ROUTE 185'	'04-ALA-185-8.64-OAK'	1969	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0131	Oakland	37483534	122144557	'INTERSTATE 580'	'04-ALA-580-43.48-OAK'	1962	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0132Y	Oakland	37505721	122142533	'BROADWAY'	'04-ALA-024-R4.43-OAK'	1934	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0134J	Oakland	37490976	122161300	'W980-27TH ST OFFRP'	'04-ALA-980-1.68-OAK'	1969	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0134T	Oakland	37490906	122160851	'27TH ST-E980 ON RP'	'04-ALA-980-1.68-OAK'	1969	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0142	Oakland	37451110	122122549	'INTERSTATE 880'	'04-ALA-880-26.53-OAK'	1948	1963	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0142K	Oakland	37451063	122122716	'66TH AV-S880 ONRMP'	'04-ALA-880-26.53-OAK'	1948	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0142S	Oakland	37451155	122122448	'COLISEUM-N880 ONRP'	'04-ALA-880-26.53-OAK'	1968	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0143	Oakland	37454111	122125165	'INTERSTATE 880'	'04-ALA-880-27.23-OAK'	1948	1968	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0147	Oakland	37475462	122110831	'REDWOOD ROAD'	'04-ALA-013-5.39-OAK'	1966	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0159	Oakland	37491731	122122629	'PARK BLVD'	'04-ALA-013-7.40-OAK'	1956	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0160	Oakland	37493331	122123944	'LA SALLE AVE'	'04-ALA-013-7.76-OAK'	1956	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0162	Oakland	37502913	122132784	'STATE ROUTE 13'	'04-ALA-013-9.07-OAK'	1951	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0164K	Oakland	37503305	122133307	'S13-BROADWAY TERR'	'04-ALA-013-R9.16-OAK'	1951	0	Steel	State Highway Agency	State Highway Agency	not known
33 0227K	Oakland	37495869	122130443	'MORAGA AVENUE WB'	'04-ALA-013-8.32-OAK'	1964	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0227L	Oakland	37495572	122125957	'STATE ROUTE 13 SB'	'04-ALA-013-8.28-OAK'	1964	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0227R	Oakland	37495501	122125755	'STATE ROUTE 13 NB'	'04-ALA-013-8.27-OAK'	1964	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0247	Oakland	37483760	122115170	'LINCOLN AVE'	'04-ALA-013-6.47-OAK'	1956	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0280L	Oakland	37493571	122164089	'ROUTE 580 EB'	'04-ALA-580-45.74-OAK'	1961	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0280R	Oakland	37493652	122164114	'ROUTE 580 WB'	'04-ALA-580-45.74-OAK'	1961	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0281R	Oakland	37493962	122165692	'INTERSTATE 580 WB'	'04-ALA-580-45.99-OAK'	1961	0	Concrete	State Highway Agency	State Highway Agency	not known
33 0284	Oakland	37461686	122130793	'SAN LEANDRO BLVD'	'04-ALA-077-0.29-OAK'	1950	0	Steel	State Highway Agency	State Highway Agency	not known
33 0285	Oakland	37491588	122152432	'ROUTE 580'	'04-ALA-580-44.51-OAK'	1961	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0287	Oakland	37490636	122151306	'MACARTHUR BLVD'	'04-ALA-580-44.32-OAK'	1961	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0288	Oakland	37490829	122151228	'ROUTE 580'	'04-ALA-580-44.28-OAK'	1961	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0289K	Oakland	37490916	122151708	'S580-OAKLAND AV OF'	'04-ALA-580-44.33-OAK'	1961	0	Concrete	State Highway Agency	State Highway Agency	not known
33 0289S	Oakland	37491063	122151486	'HARRISON&OAKLAND-N'	'04-ALA-580-44.33-OAK'	1961	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0290	Oakland	37485823	122150773	'CHETWOOD ST'	'04-ALA-580-44.07-OAK'	1961	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0296	Oakland	37492328	122154251	'INTERSTATE 580'	'04-ALA-580-44.81-OAK'	1961	0	Concrete	State Highway Agency	State Highway Agency	not known
33 0296K	Oakland	37492124	122154220	'E580-WEBSTER&BROAD'	'04-ALA-580-44.81-OAK'	1961	0	Concrete	State Highway Agency	State Highway Agency	not known
33 0297	Oakland	37492603	122155601	'INTERSTATE 580'	'04-ALA-580-45.03-OAK'	1961	1969	Concrete	State Highway Agency	State Highway Agency	not known
33 0297K	Oakland	37492365	122155667	'E580-WEBSTER&BROAD'	'04-ALA-580-45.03-OAK'	1961	0	Concrete	State Highway Agency	State Highway Agency	not known
33 0298	Oakland	37492769	122160396	'INTERSTATE 580'	'04-ALA-580-45.15-OAK'	1961	1969	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0299	Oakland	37492893	122161003	'ROUTE 580'	'04-ALA-580-45.25-OAK'	1961	0	Concrete	State Highway Agency	State Highway Agency	not known
33 0299K	Oakland	37492757	122161073	'WEST ST-S580 ON RA'	'04-ALA-580-45.25-OAK'	1961	0	Concrete	State Highway Agency	State Highway Agency	not known
33 0299S	Oakland	37492945	122160988	'N580-WEST ST OFF-R'	'04-ALA-580-45.25-OAK'	1961	0	Concrete	State Highway Agency	State Highway Agency	not known
33 0300	Oakland	37493152	122161940	'ROUTE 580'	'04-ALA-580-45.39-OAK'	1961	0	Concrete	State Highway Agency	State Highway Agency	not known
33 0301	Oakland	37493407	122162969	'INTERSTATE 580'	'04-ALA-580-45.56-OAK'	1961	0	Concrete	State Highway Agency	State Highway Agency	not known
33 0302H	Oakland	37492618	122155655	'E&W580-E24 CONNCTR'	'04-ALA-580-45.23-OAK'	1970	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0303H	Oakland	37491462	122161090	'E&W580-W980 CNNCTR'	'04-ALA-580-45.14-OAK'	1970	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0304G	Oakland	37491361	122160791	'E980-580 CONNECTOR'	'04-ALA-980-1.98-OAK'	1970	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0305F	Oakland	37493180	122162035	'W24-E&W580 CONNCTR'	'04-ALA-024-R1.88-OAK'	1970	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0308	Oakland	37475872	122132752	'ARDLEY AVE'	'04-ALA-580-R41.93-OAK'	1963	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0309K	Oakland	37480089	122133719	'BRUCE ST-S580 ON R'	'04-ALA-580-R42.07-OAK'	1963	0	Concrete	State Highway Agency	State Highway Agency	not known
33 0309L	Oakland	37480153	122133599	'INTERSTATE 580'	'04-ALA-580-R42.07-OAK'	1963	0	Concrete	State Highway Agency	State Highway Agency	not known
33 0309R	Oakland	37480206	122133500	'INTERSTATE 580'	'04-ALA-580-R42.07-OAK'	1963	0	Concrete	State Highway Agency	State Highway Agency	not known
33 0309S	Oakland	37480228	122133457	'N580-BRUCE ST OFF'	'04-ALA-580-R42.07-OAK'	1963	0	Concrete	State Highway Agency	State Highway Agency	not known
33 0310L	Oakland	37480336	122134304	'INTERSTATE 580 EB'	'04-ALA-580-R42.18-OAK'	1963	0	Concrete	State Highway Agency	State Highway Agency	not known
33 0310R	Oakland	37480404	122134284	'INTERSTATE 580 WB'	'04-ALA-580-R42.18-OAK'	1963	0	Concrete	State Highway Agency	State Highway Agency	not known
33 0311	Oakland	37480826	122135327	'13TH AVENUE'	'04-ALA-580-R42.37-OAK'	1963	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0314	Oakland	37482861	122143007	'LAKE PARK AVE'	'04-ALA-580-43.23-OAK'	1962	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0315L	Oakland	37481480	122135961	'INTERSTATE 580'	'04-ALA-580-42.67-OAK'	1962	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0315R	Oakland	37481528	122135898	'INTERSTATE 580'	'04-ALA-580-42.67-OAK'	1962	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0316	Oakland	37470393	122111539	'INTERSTATE 580'	'04-ALA-580-R39.77-OAK'	1965	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0317	Oakland	37470844	122113511	'INTERSTATE 580'	'04-ALA-580-R39.91-OAK'	1964	0	Concrete	State Highway Agency	State Highway Agency	not known
33 0318	Oakland	37471250	122114380	'INTERSTATE 580'	'04-ALA-580-R40.08-OAK'	1963	0	Concrete	State Highway Agency	State Highway Agency	not known

Attachment C.12.1 - City of Oakland Inventory of Bridges and Overpasses - June 30, 2023

Structure Number	Permittee	Latitude North (DDMMSS.SS)	Longitude West (DDMMSS.SS)	Facility Carried	Location	Year Built	Year Reconstructed	Structure Type Material	Bridge Ownership	Agency Responsible for Maintenance	Estimated Bridge Roadway Replacement Schedule
33 0319	Oakland	37472070	122120262	'38TH AVE'	'04-ALA-580-R40.39-OAK'	1963	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0320	Oakland	37473096	122121274	'35TH AVE'	'04-ALA-580-R40.65-OAK'	1963	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0321	Oakland	37474236	122122507	'INTERSTATE 580'	'04-ALA-580-R40.93-OAK'	1963	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0322	Oakland	37474795	122123716	'INTERSTATE 580'	'04-ALA-580-R41.14-OAK'	1963	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0323	Oakland	37474989	122124914	'BOSTON AVE'	'04-ALA-580-R41.33-OAK'	1963	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0324	Oakland	37475304	122125499	'INTERSTATE 580'	'04-ALA-580-R41.43-OAK'	1963	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0325	Oakland	37475660	122131560	'SHEFFIELD AVE'	'04-ALA-580-R41.75-OAK'	1963	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0326	Oakland	37481836	122140719	'MACARTHUR BLVD NB'	'04-ALA-580-42.80-OAK'	1962	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0329	Oakland	37461955	122130338	'EAST 12TH STREET'	'04-ALA-077-0.37-OAK'	1962	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0335	Oakland	37441438	122082540	'INTERSTATE 580'	'04-ALA-580-R35.10-OAK'	1964	0	Concrete	State Highway Agency	State Highway Agency	not known
33 0335K	Oakland	37441519	122082982	'INTERSTATE 580'	'04-ALA-580-R35.10-OAK'	1964	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0339	Oakland	37455688	122090920	'FONTAINE ST'	'04-ALA-580-R37.34-OAK'	1965	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0340	Oakland	37461786	122092391	'KELLER AVE'	'04-ALA-580-R37.80-OAK'	1965	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0341	Oakland	37463509	122094965	'INTERSTATE 580'	'04-ALA-580-R38.31-OAK'	1965	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0342	Oakland	37465207	122102395	'INTERSTATE 580'	'04-ALA-580-R38.92-OAK'	1965	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0343	Oakland	37470300	122104976	'INTERSTATE 580'	'04-ALA-580-R39.37-OAK'	1965	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0344F	Oakland	37465909	122103956	'S13-E580 CONNECTOR'	'04-ALA-013-4.27-OAK'	1965	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0347S	Oakland	37470129	122103594	'MOUNTAIN-580 ON RP'	'04-ALA-580-R39.15-OAK'	1965	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0348R	Oakland	37470490	122104107	'STATE ROUTE 13 NB'	'04-ALA-013-4.32-OAK'	1965	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0349L	Oakland	37490729	122161196	'ROUTE 980'	'04-ALA-980-1.64-OAK'	1969	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0349R	Oakland	37490678	122160972	'ROUTE 980'	'04-ALA-980-1.64-OAK'	1969	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0350G	Oakland	37490918	122160918	'RAMP/CONNECTOR 980'	'04-ALA-980-1.68-OAK'	1969	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0350H	Oakland	37491088	122161240	'RAMP/CONNECTOR 580'	'04-ALA-580-45.22-OAK'	1969	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0350L	Oakland	37490950	122161137	'INTERSTATE 980'	'04-ALA-980-1.68-OAK'	1969	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0350R	Oakland	37490929	122160995	'INTERSTATE 980'	'04-ALA-980-1.68-OAK'	1969	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0353	Oakland	37453097	122085379	'OAK KNOLL BLVD'	'04-ALA-580-R36.76-OAK'	1965	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0354	Oakland	37451220	122090425	'INTERSTATE 580'	'04-ALA-580-R36.34-OAK'	1965	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0355	Oakland	37444217	122085433	'INTERSTATE 580'	'04-ALA-580-R35.71-OAK'	1965	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0357	Oakland	37492312	122160854	'34TH ST'	'04-ALA-980-1.95-OAK'	1969	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0358L	Oakland	37493628	122160404	'STATE ROUTE 24 WB'	'04-ALA-024-R2.02-OAK'	1969	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0358R	Oakland	37493604	122160186	'STATE ROUTE 24 EB'	'04-ALA-024-R2.02-OAK'	1969	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0359K	Oakland	37494596	122160372	'MLK JR-W24 ON RAMP'	'04-ALA-024-R2.20-OAK'	1970	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0359L	Oakland	37494565	122160190	'STATE ROUTE 24 WB'	'04-ALA-024-R2.20-OAK'	1970	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0359R	Oakland	37494374	122160019	'STATE ROUTE 24 EB'	'04-ALA-024-R2.20-OAK'	1970	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0359S	Oakland	37494357	122155891	'E24-MLK JR OFFRAMP'	'04-ALA-024-R2.20-OAK'	1970	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0362	Oakland	37510275	122132453	'KAY OC'	'04-ALA-024-R5.47-OAK'	1965	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0363K	Oakland	37495230	122160189	'MLK JR-W24 ON RAMP'	'04-ALA-024-R2.33-OAK'	1970	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0363L	Oakland	37495207	122160056	'STATE ROUTE 24 WB'	'04-ALA-024-R2.33-OAK'	1970	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0363R	Oakland	37495170	122155808	'STATE ROUTE 24 EB'	'04-ALA-024-R2.33-OAK'	1970	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0363S	Oakland	37495155	122155709	'E24-MLK JR OFFRAMP'	'04-ALA-024-R2.33-OAK'	1970	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0364K	Oakland	37495980	122160015	'52ND-W24 ON RAMP'	'04-ALA-024-R2.47-OAK'	1970	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0364L	Oakland	37495941	122155901	'STATE ROUTE 24 WB'	'04-ALA-024-R2.47-OAK'	1970	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0364R	Oakland	37495928	122155682	'STATE ROUTE 24 EB'	'04-ALA-024-R2.47-OAK'	1970	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0364S	Oakland	37495917	122155588	'E24-52ND ST OFF-RP'	'04-ALA-024-R2.47-OAK'	1970	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0365K	Oakland	37500620	122155861	'52ND-W24 ON RAMP'	'04-ALA-024-R2.59-OAK'	1970	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0365L	Oakland	37500584	122155770	'STATE ROUTE 24 WB'	'04-ALA-024-R2.59-OAK'	1970	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0365R	Oakland	37500418	122155606	'STATE ROUTE 24 EB'	'04-ALA-024-R2.59-OAK'	1970	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0377G	Oakland	37505226	122133699	'N13-E24 CONNECTOR'	'04-ALA-013-R9.57-OAK'	1970	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0378	Oakland	37505508	122134318	'STATE ROUTE 24'	'04-ALA-024-R5.08-OAK'	1970	0	Prestressed concrete continuous	State Highway Agency	State Highway Agency	not known
33 0392L	Oakland	37500096	122155655	'STATE ROUTE 24 WB'	'04-ALA-024-R2.50-OAK'	1969	0	Concrete	State Highway Agency	State Highway Agency	not known
33 0411L	Oakland	37502125	122155299	'STATE ROUTE 24 WB'	'04-ALA-024-R2.90-OAK'	1970	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0411R	Oakland	37501995	122155229	'STATE ROUTE 24 EB'	'04-ALA-024-R2.90-OAK'	1970	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0412L	Oakland	37502478	122154947	'STATE ROUTE 24 WB'	'04-ALA-024-R2.99-OAK'	1970	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0412R	Oakland	37502457	122154756	'STATE ROUTE 24 EB'	'04-ALA-024-R2.99-OAK'	1970	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0413L	Oakland	37502727	122154544	'STATE ROUTE 24 WB'	'04-ALA-024-R3.06-OAK'	1970	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0413R	Oakland	37502654	122154423	'STATE ROUTE 24 EB'	'04-ALA-024-R3.06-OAK'	1970	0	Prestressed concrete continuous	State Highway Agency	State Highway Agency	not known
33 0413S	Oakland	37502622	122154408	'E24-CLAREMONT OFF'	'04-ALA-024-R3.06-OAK'	1970	0	Prestressed concrete continuous	State Highway Agency	State Highway Agency	not known
33 0414K	Oakland	37503478	122152768	'W24-TELEGRAPH OFF'	'04-ALA-024-R3.38-OAK'	1970	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0414L	Oakland	37503255	122152977	'STATE ROUTE 24 WB'	'04-ALA-024-R3.32-OAK'	1970	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0414R	Oakland	37503091	122153069	'STATE ROUTE 24 EB'	'04-ALA-024-R3.30-OAK'	1970	0	Concrete continuous	State Highway Agency	State Highway Agency	not known

Attachment C.12.1 - City of Oakland Inventory of Bridges and Overpasses - June 30, 2023

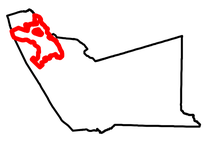
Structure Number	Permittee	Latitude North (DDMMSS.SS)	Longitude West (DDMMSS.SS)	Facility Carried	Location	Year Built	Year Reconstructed	Structure Type Material	Bridge Ownership	Agency Responsible for Maintenance	Estimated Bridge Roadway Replacement Schedule
33 0416K	Oakland	37501443	122155773	'52ND WB-W24 ON RMP'	'04-ALA-024-R2.77-OAK'	1970	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0416L	Oakland	37501465	122155597	'STATE ROUTE 24 WB'	'04-ALA-024-R2.77-OAK'	1970	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0416R	Oakland	37501489	122155454	'STATE ROUTE 24 EB'	'04-ALA-024-R2.77-OAK'	1970	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0417L	Oakland	37503699	122151612	'STATE ROUTE 24 WB'	'04-ALA-024-R3.55-OAK'	1970	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0417R	Oakland	37503593	122151542	'STATE ROUTE 24 EB'	'04-ALA-024-R3.54-OAK'	1970	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0418L	Oakland	37504702	122145077	'STATE ROUTE 24 WB'	'04-ALA-024-R3.97-OAK'	1970	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0418R	Oakland	37504582	122144997	'STATE ROUTE 24 EB'	'04-ALA-024-R3.97-OAK'	1970	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0419K	Oakland	37505206	122143998	'W24-BROADWAY OFFRP'	'04-ALA-024-R4.21-OAK'	1970	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0419L	Oakland	37505263	122144021	'STATE ROUTE 24 WB'	'04-ALA-024-R4.17-OAK'	1970	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0419R	Oakland	37505108	122144062	'STATE ROUTE 24 EB'	'04-ALA-024-R4.15-OAK'	1970	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0420L	Oakland	37505994	122142428	'STATE ROUTE 24 WB'	'04-ALA-024-R4.44-OAK'	1970	0	Prestressed concrete	State Highway Agency	State Highway Agency	not known
33 0420R	Oakland	37505879	122142443	'STATE ROUTE 24 EB'	'04-ALA-024-R4.44-OAK'	1970	0	Prestressed concrete	State Highway Agency	State Highway Agency	not known
33 0421L	Oakland	37485523	122161590	'INTERSTATE 980'	'04-ALA-980-1.40-OAK'	1969	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0421R	Oakland	37485117	122161627	'INTERSTATE 980'	'04-ALA-980-1.33-OAK'	1969	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0434T	Oakland	37451218	122122282	'N880-66TH AV OFFRP'	'04-ALA-880-26.54-OAK'	1968	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0435	Oakland	37451332	122123028	'66TH AVENUE'	'04-ALA-880-26.61-OAK'	1968	0	Concrete	State Highway Agency	State Highway Agency	not known
33 0460	Oakland	37483459	122163562	'18TH ST'	'04-ALA-980-0.90-OAK'	1973	0	Prestressed concrete continuous	State Highway Agency	State Highway Agency	not known
33 0465M	Oakland	37505712	122142988	'STATE ROUTE 24 WB'	'04-ALA-024-R4.38-OAK'	1970	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0520L	Oakland	37511799	122130874	'SERVICE ACCESS RD'	'04-ALA-024-R5.85-OAK'	1964	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0521	Oakland	37511698	122130300	'SERVICE ACCESS RD'	'04-ALA-024-R5.97-OAK'	1964	0	Concrete continuous	State Highway Agency	State Highway Agency	not known
33 0522L	Oakland	37511759	122130567	'W PORTAL BLDG BRDG'	'04-ALA-024-R5.89-OAK'	1964	0	Concrete	State Highway Agency	State Highway Agency	not known
33C0028	Oakland	37475598	122173320	'ADELINE STREET'	'JUST SOUTH OF 3RD ST'	1978	0	Concrete continuous	City	City	2024/25
33C0030	Oakland	37472776	122155233	EMBARCADERO STREET'	0.2 MI W OF 4TH ST OC'	1967	0	Prestressed concrete continuous	City	City	to be determined
33C0031	Oakland	37451019	122122788	'OAKPORT STREET'	'0.2 MI SE OF 66TH AVE'	1968	0	Concrete continuous	City	City	to be determined
33C0041	Oakland	37445561	122114536	'BALDWIN ST'	'E/O HEGENBERGER RD'	1964	0	Concrete continuous	City	City	to be determined
33C0045	Oakland	37444607	122120596	OAKPORT STREET'	0.2 MI N/O ROLAND WAY'	1968	1996	Concrete continuous	City	City	to be determined
33C0047	Oakland	37454038	122125323	'OAKPORT STREET'	'0.6 MI SE OF HIGH ST'	1948	0	Concrete continuous	City	City	to be determined
33C0076	Oakland	37505000	122144000	BROADWAY'	NEAR PATTON STREET'	1967	0	Prestressed concrete	City	City	to be determined
33C0081	Oakland	37435011	122081759	'BENEDICT DRIVE'	'N/O LAKE CHABOT RD'	1964	0	Concrete continuous	City	City	to be determined
33C0148	Oakland	37465029	122141320	'22ND & 23RD AVENUE'	'S OF EAST 12TH ST'	1962	0	Prestressed concrete continuous	City	City	to be determined
33C0149	Oakland	37473798	122154014	'E 8TH STREET'	'E 8TH ST & E 7TH ST'	1970	0	Concrete continuous	City	City	to be determined
33C0150	Oakland	37474700	122153450	E 10TH STREET'	N/O 2ND STREET'	1947	0	Concrete	City	City	to be determined
33C0153	Oakland	37452316	122115585	LEONA CREEK DRIVE'	BTW 66TH & 69TH AVE'	1965	2008	Concrete	City	City	to be determined
33C0154	Oakland	37452313	122112426	'HAMILTON STREET'	'HEGENBERGER RD MEDIAN'	1968	0	Concrete continuous	City	City	to be determined
33C0163	Oakland	37435618	122115492	'HEGENBERGER RD'	'SOUTH LEET DR'	1968	0	Concrete continuous	City	City	to be determined
33C0164	Oakland	37445573	122114611	'HEGENBERGER RD'	'0.3 MI N COLISEUM WAY'	1966	0	Concrete continuous	City	City	to be determined
33C0165	Oakland	37445858	122114655	HEGENBERGER RD'	'0.7 MI N I-880'	1966	0	Prestressed concrete continuous	City	City	to be determined
33C0166	Oakland	37452100	122112400	HEGENBERGER RD'	0.3 MI WEST SR 185'	1966	0	Prestressed concrete continuous	City	City	to be determined
33C0167	Oakland	37452668	122111865	'HEGENBERGER RD EB'	'BTWN SR 185 & HAMILTON'	1950	1966	Concrete continuous	City	City	to be determined
33C0202	Oakland	37450520	122114630	HEGENBERGER RD'	0.4 MI SOUTH OF 66TH AVE'	1966	2014	Prestressed concrete continuous	City	City	to be determined
33C0215	Oakland	37484439	122124970	'LEIMERT BLVD'	'0.1 MI E OF PARK BLVD'	1926	0	Concrete	City	City	2023/2024
33C0216	Oakland	37452155	122115715	SAN LEANDRO & UP RR'	'NEAR 69TH AVE'	1940	1965	Concrete continuous	City	City	to be determined
33C0218	Oakland	37434730	122113364	98TH AVE'	0.3 MI W OF I 880'	1939	2002	Concrete continuous	City	City	to be determined
33C0238	Oakland	37474064	122101265	'CAMPUS DR'	0.5 MI SE REDWOOD RD'	1970	0	Prestressed concrete continuous	City	City	to be determined
33C0253	Oakland	37451553	122121478	COLISEUM WAY'	50' S OF 66TH AVE'	1980	2014	Prestressed concrete	City	City	to be determined
33C0373L	Oakland	37443882	122121872	'EDGEWATER DRIVE SB'	'0.2 MI N/W ROLAND WAY'	1968	0	Concrete continuous	City	City	Beyond 2026
33C0373R	Oakland	37443921	122121782	'EDGEWATER DRIVE NB'	'0.2 MI N/W ROLAND WAY'	1968	0	Concrete continuous	City	City	Beyond 2026
33C0396	Oakland	37482833	122182030	BAY STREET'	0.1 KM W OF I-880'	1997	0	Prestressed concrete continuous	City	City	to be determined
33C0472L	Oakland	37475366	122153546	E 14TH STREET'	JUST W/O LAKESHORE AVE'	2012	0	Prestressed concrete	City	City	to be determined
33C0472R	Oakland	37475295	122153553	E 14TH STREET'	JUST W/O LAKESHORE AVE'	2012	0	Prestressed concrete	City	City	to be determined

ATTACHMENT C.17.1

City of Oakland Point in Time Count Map

FY 2022-2023

OAKLAND C17 PIT Data Map



C.17 PIT Data
- 0-8
- 8-29
- 29-70
- 70-176
- 176-272

- Storm Inlets
- Lakes
- Census Tract Boundary
- County Boundary
- City Boundary
- Canal or Ditch
- Stream or River
- Arterial
- Collector
- Freeway

Notes:

1. Unsheltered population counts by census tract data source: Alameda County Homeless Count and Survey Comprehensive Report prepared by Alameda County, 2022.
2. As defined by Alameda County, unsheltered persons are individuals or families with a primary nighttime residence that is a public or private place not designed for or ordinarily used as a regular sleeping accommodation for human beings, including a car, park, abandoned building, bus or train stations, airport, or campground.
3. Freeways, expressways, and railroads are outside of the City's jurisdiction.
4. Census tracts may not align with jurisdictional boundaries. Associated data are approximate.

0 0.5 1 2 Miles

N

Information contained on these maps is for the sole purpose of the Alameda County Clean Water Program. Accuracy of the data is not guaranteed.
Map Created by ACCWP GIS

cleanwater PROGRAM

9/1/2023

ATTACHMENT C.17.2

City of Oakland Unsheltered Homeless Populations BMP Effectiveness Evaluation

FY 2022-2023

The City of Oakland implements the following best management practices (BMPs) and programmatic efforts to address non-stormwater discharges from unsheltered populations located within it's jurisdiction.								
Census Tract ID #	**Range of Unsheltered Population in the Census Tract per the PIT Count**	**Name of Location (s)**	**BMP Control Measure Implemented**	**BMP Description**	**Approximate Portion of Unsheltered Population Served in the Census Tract from Associated BMP.**	**Approximate Portion of Unsheltered Population Reached in the Census Tract from Associated BMP.**	**Approximate Portion of Unsheltered Population Not Fully Reached in the Census Tract from Associated BMP.**	**Additional Actions related to the identified BMP that will be implemented to improve the BMP.**
4006	0-8	Dover Mini Park	Encampment Clean-Up`	Weekly encampment clean-ups (trash piles, carts, etc)	100%	100%	0%	1) Enhance operations and processes for encampment cleaning crews with new positions, equipment, and overtime funding. 2)Implement illegal dumping abatement programs including adding license plate reader cameras to the illegal dumping surveillance camera systems to deter illegal dumping and enforce. 3) Assign a high priority ranking to all illegal dumping abatement service requests within 500 feet of a waterway.
4007	0-8	Driver Plaza	Encampment Clean-Up`	Weekly encampment clean-ups (trash piles, carts, etc)	100%	100%	0%	
4010	0-8	36th & MLK, 42nd & MLK, 45th & MLK, Grove Shafter Park	Encampment Clean-Up`	Weekly encampment clean-ups (trash piles, carts, etc)	100%	100%	0%	
4012	8-29	Mosswood Park	Encampment Clean-Up`	Weekly encampment clean-ups (trash piles, carts, etc)	100%	100%	0%	
4013	70-176	23rd & MLK, 27th & MLK, 27th & Northgate, 29th & MLK, 30th & MLK, 34th & Telegraph, Northgate & Sycamore	Encampment Clean-Up`	Weekly encampment clean-ups (trash piles, carts, etc)	100%	100%	0%	
4014	0-8	35th & Market, 35th & West	Encampment Clean-Up`	Weekly encampment clean-ups (trash piles, carts, etc)	100%	100%	0%	
4015	8-29	28th & Poplar	Encampment Clean-Up`	Weekly encampment clean-ups (trash piles, carts, etc)	100%	100%	0%	
4016	70-176	23rd & Brush, 23rd & West, 24th & Union	Encampment Clean-Up`	Weekly encampment clean-ups (trash piles, carts, etc)	100%	100%	0%	
4017	176-272	20th & Willow, 28th & Ettie, 9th & Pine, Raimondi Park, Wood St	Encampment Clean-Up`	Weekly encampment clean-ups (trash piles, carts, etc)	100%	100%	0%	
4022	0-8	5th & Kirkham, Cypress & Memorial	Encampment Clean-Up`	Weekly encampment clean-ups (trash piles, carts, etc)	100%	100%	0%	
4026	29-70	6th & Castro	Encampment Clean-Up`	Weekly encampment clean-ups (trash piles, carts, etc)	100%	100%	0%	
4033.01	70-176	6th & Alice	Encampment Clean-Up`	Weekly encampment clean-ups (trash piles, carts, etc)	50%	100%	50%	
4034.01	70-176	E 12th Street Median, Snow Park	Encampment Clean-Up`	Weekly encampment clean-ups (trash piles, carts, etc)	100%	100%	0%	
4049	0-8	14th Ave & MacArthur	Encampment Clean-Up`	Weekly encampment clean-ups (trash piles, carts, etc)	100%	100%	0%	
4060	70-176	14th & E 8th, 5th Ave, Channel Park, E 12th St & 22nd, E 12th St & 19th	Encampment Clean-Up`	Weekly encampment clean-ups (trash piles, carts, etc)	100%	100%	0%	
4061	0-8	42nd & E 12th, 42nd & San Leandro, Alameda & Fruitvale	Encampment Clean-Up`	Weekly encampment clean-ups (trash piles, carts, etc)	100%	100%	0%	
4062.01	0-8	77th & Hawley	Encampment Clean-Up`	Weekly encampment clean-ups (trash piles, carts, etc)	100%	100%	0%	
4072	0-8	Bancroft & High	Encampment Clean-Up`	Weekly encampment clean-ups (trash piles, carts, etc)	100%	100%	0%	
4073	0-8	45th & E12th, 47th & E 12th, 47th & San Leandro, 48th & E 12th, 54th & San Leandro, Bishop Floyd Park, Independent Loop	Encampment Clean-Up`	Weekly encampment clean-ups (trash piles, carts, etc)	100%	100%	0%	
4074	0-8	Bancroft Way	Encampment Clean-Up`	Weekly encampment clean-ups (trash piles, carts, etc)	100%	100%	0%	
4075	8-29	Bancroft & Hilton	Encampment Clean-Up`	Weekly encampment clean-ups (trash piles, carts, etc)	100%	100%	0%	
4085	0-8	81st & International	Encampment Clean-Up`	Weekly encampment clean-ups (trash piles, carts, etc)	100%	100%	0%	
4086	0-8	68th & Bancroft, 99th & Edes	Encampment Clean-Up`	Weekly encampment clean-ups (trash piles, carts, etc)	100%	100%	0%	
4088	8-29	6200 San Leandro	Encampment Clean-Up`	Weekly encampment clean-ups (trash piles, carts, etc)	100%	100%	0%	
4090	70-176	Baldwin Dead End, Leet Drive	Encampment Clean-Up`	Weekly encampment clean-ups (trash piles, carts, etc)	100%	100%	0%	
4091	0-8	Edes & Cary	Encampment Clean-Up`	Weekly encampment clean-ups (trash piles, carts, etc)	100%	100%	0%	
4093	29-70	104th & International, 46th & E 12th, 72nd & San Leandro	Encampment Clean-Up`	Weekly encampment clean-ups (trash piles, carts, etc)	100%	100%	0%	
4094	70-176	92nd & San Leandro, 96th & International	Encampment Clean-Up`	Weekly encampment clean-ups (trash piles, carts, etc)	100%	100%	0%	
4095	0-8	84th & International, 84th & San Leandro	Encampment Clean-Up`	Weekly encampment clean-ups (trash piles, carts, etc)	100%	100%	0%	
4096	29-70	89th & International	Encampment Clean-Up`	Weekly encampment clean-ups (trash piles, carts, etc)	100%	100%	0%	
4105	0-8	16th & Kirkham, 16th & Mandela, 18th & Poplar	Encampment Clean-Up`	Weekly encampment clean-ups (trash piles, carts, etc)	100%	100%	0%	
9820	8-29	2nd & Brush, E 8th & Alameda	Encampment Clean-Up`	Weekly encampment clean-ups (trash piles, carts, etc)	100%	100%	0%	
9832	29-70	5th & Broadway, 5th & Harrison	Encampment Clean-Up`	Weekly encampment clean-ups (trash piles, carts, etc)	100%	100%	0%	
4010	0-8	36th & MLK, 42nd & MLK, 45th & MLK, Grove Shafter Park	Porta-Potty (PP) & Hand-Washing (HW) Stations*	11PP, 8HW (number of facilities) serviced 3 times per week	100%	100%	0%	
4013	70-176	23rd & MLK East, 23th & MLK South, 29th & MLK, 30th & MLK, 34th & Telegraph, Northgate & Sycamore	Porta-Potty (PP) & Hand-Washing (HW) Stations*	10PP, 10HW (number of facilities) serviced 3 times per week.	100%	100%	0%	

4014	0-8	35th & Market, 35th & West	Porta-Potty (PP) & Hand-Washing (HW) Stations*	4PP, 1HW (number of facilities) serviced 3 times per week	100%	100%	0%	
4015	18-29	3431 Chesnut Street	Porta-Potty (PP) & Hand-Washing (HW) Stations*	2PP,1HW (number of facilites) serviced 3 times per week	100%	100%	0%	
4016	70-176	23rd & Brush, 23rd & West, 24th & Union	Porta-Potty (PP) & Hand-Washing (HW) Stations*	6PP, 5HW (number of facilities) serviced 3 times per week	100%	100%	0%	
4017	176-272	20th & Willow, 28th & Ettie, 9th & Pine, Raimondi Park, Wood St, 3502 Beach St	Porta-Potty (PP) & Hand-Washing (HW) Stations*	12PP, 6HW (number of facilties) serviced 3 times per week	100%	100%	0%	
4022	0-8	5th & Kirkham, Cypress & Memorial, South Prescott Park	Porta-Potty (PP) & Hand-Washing (HW) Stations*	8PP, 6HW (number of facilties) serviced 3 times per week	100%	100%	0%	
4026	29-70	6th & Castro	Porta-Potty (PP) & Hand-Washing (HW) Stations*	2PP, 2HW (number of facilities) serviced 3 times per week	100%	100%	0%	
4028.02	8-29	Frank Ogowa Plaza	Porta-Potty (PP) & Hand-Washing (HW) Stations*	1PP, 2HW (number of facilities) serviced 3 times per week	100%	100%	0%	
4049	0-8	14th Ave & MacArthur	Porta-Potty (PP) & Hand-Washing (HW) Stations*	2PP, 1HW (number of facilities) serviced 3 times per week	100%	100%	0%	
4059.02	0-8	San Antonio Park	Porta-Potty (PP) & Hand-Washing (HW) Stations*	2PP, 1HW (number of facilities) serviced 3 times per week	100%	100%	0%	Deploy up to 40 additional portable toilets at homeless encampment locations within 500 feet of a waterway.
4060	70-176	14th & E 8th, 5th Ave, E 12th St & 22nd, E 12th St & 14th	Porta-Potty (PP) & Hand-Washing (HW) Stations*	8PP, 7HW (number of facilities) serviced 3 times per week	100%	100%	0%	
4061	0-8	Alameda Av & Fruitvale Ave 1 & 2, 42nd & San Leandro, 42nd & E 12th St	Porta-Potty (PP) & Hand-Washing (HW) Stations*	8PP, 6HW (number of facilities) serviced 3 times per week	100%	100%	0%	
4062.01	0-8	77th & Hawley	Porta-Potty (PP) & Hand-Washing (HW) Stations*	2PP, 1HW (number of facilities) serviced 3 times per week	100%	100%	0%	
4072	0-8	Bancroft & High	Porta-Potty (PP) & Hand-Washing (HW) Stations*	2PP, 1HW (number of facilities) serviced 3 times per week	100%	100%	0%	
4073	0-8	54th & San Leandro, Independent Loop	Porta-Potty (PP) & Hand-Washing (HW) Stations*	4PP, 2HW (number of facilities) serviced 3 times per week	100%	100%	0%	
4074	0-8	Bancroft Way	Porta-Potty (PP) & Hand-Washing (HW) Stations*	2PP, 1HW (number of facilities) serviced 3 times per week	100%	100%	0%	
4085	0-8	81st & International	Porta-Potty (PP) & Hand-Washing (HW) Stations*	3 PP, 1HW (number of facilities) serviced 3 times per week	100%	100%	0%	
4088	8-29	6200 San Leandro	Porta-Potty (PP) & Hand-Washing (HW) Stations*	2PP, 2HW (number of facilities) serviced 3 times per week	100%	100%	0%	
4090	70-176	Baldwin Dead End, Leet Drive	Porta-Potty (PP) & Hand-Washing (HW) Stations*	6PP, 3HW (number of facilities) serviced 3 times per week	100%	100%	0%	
4093	29-70	104th & International, 46th & E 12th, 72nd & San Leandro	Porta-Potty (PP) & Hand-Washing (HW) Stations*	4PP, 3HW (number of facilities) serviced 3 times per week	100%	100%	0%	
4094	70-176	92nd & San Leandro	Porta-Potty (PP) & Hand-Washing (HW) Stations*	2 PP, 1HW (number of facilities) serviced 3 times per week	41%	100%	59%	
4105	0-8	16th & Kirkham, 16th & Mandela	Porta-Potty (PP) & Hand-Washing (HW) Stations*	3PP, 2HW (number of facilities) serviced 3 times per week	100%	100%	0%	
9832	29-70	5th & Harrison	Porta-Potty (PP) & Hand-Washing (HW) Stations*	2PP, 2HW (number of facilities) serviced 3 times per week	100%	100%	0%	
4017	176-272	3499 Beach Street & 2401 Wood Street	RV & Safe Parking Site	The four RV sites provide 125 spaces (2 people per space) w/ secure parking, sanitary facilities, and garbage services. 31 spaces assumed per site.	55%	100%	45%	Add at least 100 more RV Safe Parking spaces.
4061	0-8	3801 East 8th Street	RV & Safe Parking Site	The four RV sites provide 125 spaces (2 people per space) w/ secure parking, sanitary facilities, and garbage services. 31 spaces assumed per site.	100%	100%	0%	
4088	8-29	711 71st Ave	RV & Safe Parking Site	The four RV sites provide 125 spaces (2 people per space) w/ secure parking, sanitary facilities, and garbage services. 31 spaces assumed per site.	100%	100%	0%	
4059.02	0-8	1449 Miller Ave	Shower & Laundary Services^	Shower services Mon-Fri for 3 hours/day- provided at Miller Community Cabin by Roots Community Health Center. Shower & laundry provided by Dignity on Wheels on Sundays for 4 hours (30 showers assumed per session).	100%	100%	0%	Continue to increase grants and funding for non-profits and partnerships to provide
4088	8-29	711 71st Ave	Shower & Laundary Services^	Shower & laundry services provided by Dignity on Wheels on Mondays for 4 hours (30 showers assumed per session).	100%	100%	0%	
4033.02	70-176	9 10th St	Shower & Laundary Services^	Shower and laundry services provided by Dignity on Wheels on Mon & Thurs for 4 hours (30 showers assumed per session).	49%	100%	51%	
4033.01	70-176	589 Oak St	Shower & Laundary Services^	Shower and laundry services provided at Oak Street Community Cabin by Dignity on Wheels on Tues & Fri for 4 hours (30 showers assumed per session).	49%	100%	51%	
4022	0-8	7th & Kirkham	Shower & Laundary Services^	Shower and laundry services provided by Dignity on Wheels on Weds for 4 hours (30 showers assumed per session).	100%	100%	0%	
4017	176-272	24th & Wood St	Shower & Laundary Services^	Shower and laundry services provided by Dignity on Wheels on Thurs for 4 hours (30 showers assumed per session).	13%	100%	87%	

4031	0-8	722 Washington St	Shower & Laundary Services^	Shower and laundry services provided by Dignity on Wheels on Thurs for 4 hours (30 showers assumed per session).	100%	100%	0%	partnerships to provide additioanl shower and laundry services.
4054.02	0-8	12th St & E 17th St	Shower & Laundary Services^	Shower and laundry services provided by Dignity on Wheels on Fridays for 4 hours (30 showers assumed per session).	100%	100%	0%	
4061	0-8	615 High St	Shower & Laundary Services^	Shower and laundry services provided by Dignity on Wheels on Saturdays for 4 hours (30 showers assumed per session).	100%	100%	0%	
4062.01	0-8	77th & Hawley	Shower & Laundary Services^	Shower and laundry services provided by Dignity on Wheels on Sundays for 4 hours (30 showers assumed per session).	100%	100%	0%	
4017	176-272	34th & Mandela	Shower & Laundary Services^	Shower services provided Mon & Thurs for 5 hours/day at Mandela Community Cabin by Urban Alchemy (30 showers assumed per session).	27%	100%	73%	
4013	70-176	27th & Northgate	Shower & Laundary Services^	Shower services provided Tues & Fri for 5 hours/day at Northgate Community Cabin by Urban Alchemy (30 showers assumed per session).	49%	100%	51%	

Medians of PIT Count ranges were used to calculate percentages.

`Assumes that to achieve 100% served, census tracts with >70 individuals have at least two sites cleaned per week

*Caluculations use a ratio of 1 portable toilet for every 25 people and do not count HW facilities as these are considered supplemental to PPs

^Calculations assume one shower per week.