

CITY OF OAKLAND



Sanitary Sewer Collection System

Annual Report

July 1, 2019 to June 30, 2020

Consent Decree, Consolidated Case Nos. C 09-00186-RS and C 09-05684-RS

Annual Sanitary Sewer Collection System Report for July 1, 2019 to June 30, 2020

Certification

I certify under penalty of law that this document and its attachments were prepared either by me personally or under my direction or supervision in a manner designed to assure that qualified and knowledgeable personnel properly gathered and presented the information contained herein. I further certify, based on my personnel knowledge or on my inquiry of the individuals immediately responsible for obtaining the information, that to the best of my knowledge and belief the information is 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 and willful submission of a materially false statement.

Reviewed by:

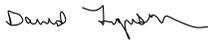
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Executive Summary

The City of Oakland's Consent Decree for operation and maintenance of its Sewer Collection System was approved by state and federal regulatory agencies with an Effective Date of September 22, 2014. The City is pleased to submit this Annual Report as required by the Consent Decree (CD) for Fiscal Year 2019-20 (July 1, 2019 to June 30, 2020). The City of Oakland is in full compliance with the Work mandated by this Consent Decree. The cumulative sewer rehabilitation work is significantly ahead of schedule and the City's sewer budget, staffing, and equipment have increased this Fiscal Year. It is the City's full intent to continue to meet its obligations under this Consent Decree.

Sanitary Sewer Overflows (SSO):

The City of Oakland's Sewer Collection System had 128 SSO events during FY 2019-20. This was an increase of 117% from the previous fiscal year. Of these reported events, twenty-eight (28) were Category 1 spills – only 2 of which resulted in greater than 10,000 gallons discharged into a waterway or surrounding water body.

The total volume spilled in FY 2019-20 was 228,373 gallons, representing a 115% increase in volume compared to the previous Fiscal Year. Of the total amount spilled, 41% was contained and returned to the system. In FY 2019-20, the total volume that reached surface water was 134,239 gallons from 28 SSO events. This is a 63% increase in volume from the previous fiscal year.

Asset Management Implementation Program (AMIP): The City updated its consolidated Asset Management Implementation Plan/Sewer System Management Plan and received approval by the City Council in December 2019. This AMIP/SSMP was developed to meet the requirements of the Environmental Protection Agency's (EPA) Consent Decree (Case 3:09-cv-00186-RS) entered on September 22, 2014; the State Water Resources Control Board's Sewer System Management Plan (SSMP), as defined by the Statewide Sanitary Sewer Waste Discharge Requirements, Order No. 2006-0003-DWQ (WDR); the Statewide Monitoring and Reporting Program, Order No. WQ 2013-0058-EXEC (MRP); and National Pollutant Discharge Elimination System (NPDES) Permit No. CA0038512 Waste Discharge Requirements for the City of Oakland Sanitary Sewer Collection System, Order No. R2-2014-0049. It replaces the plan adopted by the City of Oakland Council on March 3, 2015.

Infiltration And Inflow Reduction Work:

Sewer Main and Maintenance Hole Rehabilitation. As of June 30, 2020, the City of Oakland has Rehabilitated 462,572 feet (87.6 miles) of Sewer Main. This exceeds the Consent Decree requirement to rehabilitate 411,840 feet (78 miles) by June 30, 2020.

As of June 30, 2020, the City of Oakland had Rehabilitated an Additional 31,976 feet (6.1 miles) of Sewer Main. This is slightly more than the Consent Decree requirement to rehabilitate 31,680 feet (6 miles) by June 30, 2020.

The City's Sewer Main Rehabilitation Program is ahead of schedule.

Sewer Main and Maintenance Hole Inspection.

As of June 30, 2020, 3,423,792 feet (649 miles) of sewer mains have been inspected and assessed using CCTV inspection. This exceeds the Consent Decree requirement to inspect 3,157,440 feet by June 30, 2020.

The City of Oakland is in compliance regarding maintenance hole inspections. Between July 1, 2019 and June 30, 2020, 710 maintenance-hole inspections were performed and one (1) maintenance hole were found in poor condition.

Development of Regional Standards. The City bases its construction plans and specifications on The “Greenbook”: Standard Specifications for Public Works Construction, a statewide standard for the municipal construction industry.

In this reporting period, the City has been incorporating these Standards in the design of its capital projects. The Defendants have and will continue to discuss the Regional Standards, its effectiveness, and potential revisions and improvements at coordination meetings. The next EPA review and approval of the Regional Standards is due by June 30, 2021.

EBMUD’s Sewer Lateral Education and Outreach Program. The City continues to work with EBMUD in implementation of the program.

Sewer Lateral Inspection and Repair. In FY 2019-20, the City finalized 390 building permits which required certificates of occupancy for construction or remodeling permits in excess of \$100,000. Among the 390 building permits, all building permits received Compliance Certificates issued by EBMUD which met the Consent Decree requirement to limit the number of building permits issued without Compliance Certificates to less than 25 per Fiscal Year.

During FY2019-20, City crews identified 199 defective sewer laterals. All affected property owners were notified in writing within 90 days of identifying the defective sewer laterals.

Inflow and Rapid Infiltration Identification and Elimination. The City will continue to work with EBMUD in implementation of the program. On September 26, 2019, EBMUD submitted to the City, FY 2018-19 Annual Satellite Notification, in which twenty-eight (28) public I/I sources and eighty-seven (87) private I/I sources were identified. The City provided a response on December 20, 2019, in which there are no high priority I/I sources identified. City has rehabilitated all defective manholes identified in EBMUD Annual Satellite Notifications from FY14-15 to FY18-19 and eliminated over 3,000,000 gpd I/I contribution.

SSO Reduction Work:

Capacity Assurance. The Consent Decree requires the City to increase sewer capacity in certain locations when sewer flows reach within one foot of the Maintenance Hole rim. In FY 2019-20 the City experienced a total of three (3) locations that reached within one foot of the Maintenance Hole rim. All flows were contained within the system and no SSO event occurred at any of these three (3) locations. All locations were not capacity-related.

Acute Defects.

Zero (0) Acute Defects were found in FY19-20.

Sewer Main Cleaning. In FY2019-20, 1,054,844’ (200 miles) of Sewer Main were cleaned, which exceeds the Consent Decree requirement of 971,520 unique feet (184 miles).

Root Cleaning (Foaming). As of June 30, 2020, the City had root foamed 1,859,881 feet (352.3 miles) of Sewer Mains, which exceeds the Consent Decree requirement of 1,848,000 feet (350 miles).

On December 9, 2016, the City submitted an evaluation report of the root control program to EPA for review and approval. On February 27, 2017, EPA rejected the City’s proposal to foam 23.4 miles of sewer mains per year and directed to continue treating 50 miles of sewer mains per year as specified in paragraph 92(e) of the City of Oakland

Consent Decree. The City requests a more substantial response and reconsideration of the request for a conditional approval, to date, the City has not received a response.

Hot Spot Cleaning. As of June 30, 2020, the City’s High Frequency cleaning program includes 360,694 feet (68 miles) of Sewer Mains which are cleaned every three (3) to twelve (12) months. Each of these locations were cleaned at least once in FY 2019-20.

Fats, Oil and Grease (FOG) Control. In FY 2019-20, 32 SSOs were thought to be associated with FOG.

Pump Station Renovation.

The City’s sewer collection system consists of seven (7) pump stations. The City completed improvements on four pump stations in 2012 and 2018. The construction of the remaining three pump stations is to be scheduled in FY20-21. The completion of all pump stations will be completed by 2021, prior to the required deadline of October 2022.

Known Noncompliance with Consent Decree. During FY2019-20, the City is in full compliance with Consent Decree.

Assessment of Stipulated Penalties. Paragraph 186 of the Consent Decree: For each SSO that reaches waters of the United States, a stipulated penalty may be assessed as follows, with “gallons” referring to the total size of the overflow, spill or release:

Penalty Per SSO for SSOs totaling:		
Less than 1,000 gallons	1,000 to 9,999 gallons	10,000 gallons or more
\$200	\$1,000	\$25,000

In FY 2019-20 the total SSO volume reaching surface waters was (134,239 gallons from 28 SSO events. The total potential assessed stipulated penalty for FY 2019-20 SSOs that reached Waters of United States is \$64,800.

The City believes that Stipulated Penalties should not be assessed for the SSO events that reached surface waters. The spills were caused by a variety of reasons such as grease deposits, root intrusion, debris, and heavy storms and are considered non-point sources. The City has been meeting the cleaning and rehabilitation goals annually since FY 2014 and has responded quickly to SSOs. A penalty would impact the ability of the City to meet future goals as the rehabilitation costs have significantly increased due to market conditions. If Plaintiffs disagree with this position, the City would appreciate the opportunity to discuss assessment of any potential penalties and provide additional explanations of its position.

Recommended Changes to Required Work. There are no recommended changes to the Work.

Section 1. Introduction

Paragraph 139 of the Consent Decree (Case Nos. C09-00186 and C09-05684) requires:

“By September 30th of each Fiscal Year...each Defendant shall submit to Plaintiffs, with a copy to Intervenors, an annual progress report (“Annual Report”) covering the period July 1st through June 30th of the prior Fiscal Year.”

This Annual Report has been prepared pursuant to the requirements of the Consent Decree. The following sections are included in this report:

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Section 2. Annual Report of Sanitary Sewer Overflows

Paragraph 144 of the Consent Decree requires:

“A Sanitary Sewer Overflow Report that includes the location of SSOs; the start and end date and time of each SSO; the SSO volume including gross volume, amount recovered, and amount not recovered; the destination of each SSO; the probable cause(s) of the SSOs; the location(s) of repeat SSOs; a list of any SSOs at locations where the Sewer Main had been Rehabilitated in the previous ten (10) Fiscal Years; and a description of measures taken to help prevent these SSOs in the future.”

Number of SSOs

The City of Oakland’s Sewer Collection System had 128 SSO events.

A detailed list of SSOs is shown in **Appendix A**.

Number and Location of Repeat Overflows

The City had 18 locations (24 SSOs) in which a second sewer overflow occurred within a three-year period. Table 2-1 below lists the number and location of overflows occurring at repeat locations along with a description of measures taken to prevent future SSO’s at these locations. All locations below have been added to the High Frequency Cleaning List “Hot Spots” or repaired.

Table 2-1 Repeat SSO Locations, FY 2019-20

SSO Location	CIWQS #	Cause	Date	Measures to Prevent SSO	Pipe ID
9636 Bancroft Ave	864133	Grease Deposition (FOG)	1/8/2020	On 12 month PM list	2309
96th Ave & Olive St	863717	Grease Deposition (FOG)	12/23/2019	On 6 month PM list	2376
8412 International Bl	867378	Other (specify below)	6/10/2020	On 6 month PM list	3148
Agua Vista & High St	864614	Grease Deposition (FOG)	2/3/2020	On 6 month PM list; CIP request to upgrade from 6 inch to 8 inch pipe	9078
1122 E. 17th St	866720, 867565	Vandalism, Grease Deposition (FOG)	5/8/2020, 6/20/2020	On 6 month PM list; CIP request to upgrade from 4 inch to 8 inch pipe	11159
5195 Parkridge Dr	863005, 864136	Pump Station Failure - Mechanical	11/8/2019, 12/30/2019	Repaired by contractor	12516
35th Ave & California St	861216, 865412	Debris - General, Debris - Rags	9/13/2019, 3/1/2020	On 6 month PM list	13903

352 Crestmont Dr	864995	Root Intrusion	2/17/2020	On 6 month PM list	14133
4374 Terrabella Way	861485	Root Intrusion	9/23/2019	On 6 month PM list	14443
3500 Mountain Blvd	864859	Root Intrusion	2/12/2020	On 6 month PM list	16341
769 Hillgirt Ave	859898, 866272	Debris - General, Grease Deposition (FOG)	7/15/2019, 4/20/2020	On 12 month PM list	17672
Wellington St & Evans Ave	864472	Pipe Structural Problem/Failure	5/13/2020	On 12 month PM list; CIP request due to multiple voids in the line and upgrade from 6 inch to 8 inch pipe	18367
1293 Sunnyhills Rd	863231, 863509	Debris - General, Other	11/26/2019, 12/12/2019	On 6 month PM list	20504
3644 Martin Luther King Jr Way	862808, 864898, 865103	Grease Deposition (FOG), Debris - General, Other	11/11/2019, 2/9/2020, 2/25/2020	On 3 month PM list	22622
5700 LaSalle Av	867401	Debris - General	6/5/2020	On 12 month PM list	23092
7345 Snake Rd	864746	Root Intrusion	2/7/2020	On 6 month PM list	28813
9931 Bernhardt Dr	867728	Grease Deposition (FOG)	6/30/2020	On 6 month PM list	31547

Sewer Overflows in Rehabilitated Areas

Twelve (12) SSOs occurred in areas rehabilitated since July 1, 2009 (within the last ten years) as shown in Table 2-2 below. Of these locations, one of the 12 SSOs was FOG related problems, two (2) were caused by debris, four (4) were caused by root intrusion and the rest five (5) were related to structural problems. Corrective actions, as detailed below, include cleaning, CCTV inspection, and addition to the “Hot Spot” list.

**Table 2-2
SSO Locations within Rehabilitated Areas, FY 2019-20**

SSO Location	CIWQS #	Cause	Date	Measure(s) to prevent SSO	Rehab Year	Pipe ID
4354 39th Avenue	860274	Grease Deposition (FOG)	8/6/2019	Spot Repair	2017	14192
2060 Melvin Rd.	859993	Pipe Structural Problem	7/19/2019	On 6 month PM list	2012	20929
4 Downey Pl,	866714	Root Intrusion	5/9/2020	On 3 month PM list	2017	20528

9411 Golf Links Rd.	867672	Root Intrusion	6/12/2020	On 12 month PM list	2014	3378
42 EL Patio ST.	859601	Other (specify below)	7/2/2019	PM not needed at this time (damage caused by contractor)	2018	21960
8412 International Blvd.	867378	Other (specify below)	6/10/2020	On 6 month PM list	2018	3148
2177 Rosedale Avenue	861489	Debris-General	9/20/2019	On 12 month PM list	2015	2129
7011 Snake Rd.	864994	Root Intrusion	2/19/2020	On 12 month PM list	2011	26602
20 EVIREL PLACE	865313	Other (specify below)	2/28/2020	On 12 month PM list	2011	26602
4975 Stoneridge Ct.	867601	Vandalism	6/19/2020	On 3 month PM list	2014	9732
4142 reinhardt dr	866509	Debris-General	4/30/2020	On 12 month PM list	2014	12124
1350 Sunnyhills Rd.	867726	Root Intrusion	6/29/2020	On 6 month PM list	2015	20480

Section 3. Implementation of Asset Management Implementation Plan (AMIP)

Paragraph 165 of the Consent Decree requires:

“The City shall summarize implementation of each element of its AMIP. The summary shall include any proposed revisions to the AMIP, including, but not limited to, revisions to maintenance, construction, and Rehabilitation schedules, along with any associated changes to its financial plan, and an explanation of how those revisions are consistent with its obligations under the Consent Decree.”

On October 31, 2014, the City submitted an updated AMIP which had been revised to comply with this Consent Decree. The AMIP was consolidated with the City’s Sewer System Management Plan (SSMP), as required by the General Waste Discharge Requirement Order No. 2006-0003 DWQ. The consolidated AMIP/SSMP document provided new maintenance, construction and rehabilitation schedules, as well as a revised financial plan. The City’s AMIP/SSMP is in full implementation. The City updated the SSMP portion of the AMIP/SSMP document in December 2019. The updated AMIP/SSMP includes a revised, stand-alone Overflow Emergency Response Plan (OERP) and Water Quality Monitoring Plan (WQMP). No changes and/or modifications were made to the AMIP portion of the consolidated document.

Section 4. Infiltration and Inflow Reduction Work

4.1 Sewer Main and Maintenance Hole Rehabilitation

Paragraph 166.a.i. of the Consent Decree requires that the Annual Report contain:

“Rehabilitation: all Sewer Main and Maintenance Hole Repair and Rehabilitation activities completed...”

Paragraph 83.a. of the Consent Decree requires:

“Between January 1, 2014 and June 30, 2016, the City of Oakland shall rehabilitate 158,400 feet [30 miles] of Sewer Main....When the City rehabilitates a Sewer Main, it shall also Rehabilitate, as needed, all Maintenance Holes associated with the Sewer Main and ensure that abandoned Sewer Laterals are not connected to that Sewer Main.”

Sewer Mains Rehabilitated

The City of Oakland has rehabilitated 462,572 feet (87.6 miles) of Sewer Main. This exceeds the Consent Decree requirement to rehabilitate 411,840 feet (78 miles) by June 30, 2020. The City’s Sewer Main Rehabilitation Program is ahead of schedule as shown in Table 4-1.

Table 4-1
Length of Rehabilitated Sewer Mains

Fiscal Year	Mains Rehabilitated	Cumulative Total	CD Requirement **
1/11/14-6/30/14	131,653’ (24.9 miles)	131,653’ (24.9 miles)	-----
FY 2014-15	60,546’ (11.5 miles)	192,199’ (36.4 miles)	-----
FY 2015-16	71,751’ (13.6 miles)	263,950’ (50.0 miles)	158,400’ (30 miles)
FY 2016-17	58,964’ (11.2 miles)	322,914’ (61.2 miles)	221,760’ (42 miles)
FY 2017-18	59,433’ (11.2 miles)	382,347’ (72.4 miles)	285,120 (54 miles)
FY 2018-19	40,995’ (7.8 miles)	423,342’ (80.2 miles)	348,480 (66 miles)
FY 2019-20	39,230’ (7.4 miles)	462,572’ (87.6 miles)	411,840 (78 miles)

**Cumulative total beginning 01/01/14

Additional Sewer Mains Rehabilitated

Paragraph 83.b. of the Consent Decree requires:

“...In addition to the Work required under paragraph 83(a), beginning on July 1, 2014, the City shall complete, by the end of each Fiscal Year, Rehabilitation of no less than 5,280 feet of Sewer Main, anywhere within the City’s Collection System, based on a cumulative total (i.e., 5280 feet by June 30, 2015; 10,560 feet by June 30, 2016; 15,840 feet by June 30, 2017; etc.) for the duration of the Consent Decree.”

The City of Oakland had Rehabilitated 31,976 feet (6.1 miles) of Additional Sewer Mains as shown in Table 4-2.

Table 4-2
Length of Additional Sewer Mains Rehabilitated

Fiscal Year	Mains Rehabilitated	Cumulative Total	CD Requirement
FY 2014-15	6,485’ (1.2 miles)	6,485’ (1.2 miles)	5280’ (1 mile)
FY 2015-16	6,097’ (1.2 miles)	12,582’ (2.4 miles)	10,560’ (2 miles)
FY 2016-17	3,803’ (0.7 miles)	16,385’ (3.1 miles)	15,840’ (3 miles)
FY 2017-18	4,805’ (0.9 miles)	21,190’ (4.0 miles)	21,120 (4 miles)
FY 2018-19	5,506 (1.1 miles) ***	26,696’ (5.1 miles)	26,400 (5 miles)
FY 2019-20	5,280 (1.0 miles)	31,976’ (6.1 miles)	31,680 (6 miles)

*** The reported mileage has been adjusted by subtracting the over-reported mileage of 2,062 feet (0.39 miles) in previous Annual Reports (FY14-15, FY15-16, and FY16-17) as documented in the response to EPA’s Report titled *“Review of the City’s Oakland’s Compliance under Consent Decree in US. Et al. V. EBMUD et al. Case Nos. 3:09 cv-00186-RS and 3:09-cv-05684-RS (N.D. Cal)”* dated May 6, 2019.

Maintenance Holes

Paragraph 166.a.i.C. of the Consent Decree requires that the Annual Report contain:

“...the number of Maintenance Holes associated with Rehabilitated Sewer Mains and the number of Maintenance Holes Rehabilitated;”

The City Repaired or Rehabilitated a combined total of 249 Maintenance Holes.

Abandoned Sewer Laterals

Paragraph 166.a.i.D. of the Consent Decree requires that the Annual Report contain:

“...a statement that the City did not reconnect any abandoned Sewer Laterals that the City found to be connected to the Sewer Main;”

The City sealed off any abandoned sewer laterals which were encountered during construction. No abandoned laterals were reconnected to Sewer Mains.

Sewer Main Rehabilitation Budget and Expenditures

Paragraph 166.a.i.F. of the Consent Decree requires that the Annual Report contain:

“...the Rehabilitation budget and dollars spent on Sewer Main Rehabilitation;”

During the FY 2020-21 Midcycle Budget, the City budgeted an additional \$6,000,000 for sewer emergency on-call projects. The total capital improvement program budget is \$ 25,647,646 for capital improvements of the sewer collection system. Improvements include rehabilitating or replacing sewer mains, lower laterals, and associated sewer structures. This budgeted amount is intended to cover hard construction costs and soft costs associated with design and construction management. It must be noted that capital budget is not typically spent in one fiscal year as project activities and expenditures span a 2 to 3-year periods. The total combined expenditure for sewer main rehabilitation was \$14,632,333 in FY2019-20.

Proposed Sewer Main Rehabilitation Projects

Paragraph 166.a.i.G of the Consent Decree requires that the Annual Report contain:

“...the Sewer Mains targeted to be Rehabilitated in the next Fiscal Year;”

In FY 2020-21, the City plans to complete five (5) Sewer Main Rehabilitation projects. These projects will rehabilitate approximately 13 miles of sewer mains in FY 2020-21. All appurtenant sewer maintenance holes will also be rehabilitated as needed as part of these projects. The locations of these projects are selected from Appendix H of the Consent Decree and various locations for the one (1) additional mile of sewer main rehabilitation required under Paragraph 83.b. The locations for the additional one (1) mile of sewer mains rehabilitation will be developed in response to complaints and requests. Appendix H of the Consent Decree lists Oakland's Sewer Collection System sub-basin priorities.

Revisions to Appendix H

Paragraph 166.a.i.H. of the Consent Decree requires that the Annual Report contain:

“...an explanation of any revisions that were made to Appendix H, or the financial plan associated with future Sewer Main Repair and Rehabilitation...”

No revisions were made to Appendix H.

4.2 Sewer Main and Maintenance Hole Inspection

Paragraph 83.c. of the Consent Decree requires:

“For the duration of this Consent Decree, the City of Oakland shall inspect, using CCTV or other equally effective methods, and document condition assessment of, its Collection System at an annual rate of no less than 10 percent of its Sewer Mains per Fiscal year (at least 485,760 feet of Sewer Mains per Fiscal Year) on a cumulative basis (i.e., 242,880 feet by June 30, 2014; 728,640 feet by June 30, 2015; 1,214,400 feet by June 30, 2016; etc.).”

Paragraph 166.a.ii.A. of the Consent Decree requires the Annual Report to contain:
“the total feet of Sewer Main inspected with completed condition assessment and the cumulative total feet of Sewer main inspected with completed condition assessment since the Effective Date”

Sewer Main Condition Assessment

As shown in Table 4-3, 3,426,535’ (649 miles) of sewer mains have been inspected and assessed using CCTV inspection. This exceeds the Consent Decree requirement to inspect 3,157,440 feet by June 30, 2020.

**Table 4-3
 Length of Sewer Mains Inspected and Assessed**

Fiscal Year	Mains Assessed **	Cumulative Total ***	CD Requirement
FY 2013-14*	182,935’ (35 miles)	182,935’ (35 miles)	242,880’ (46 miles)
FY 2014-15	618,991’ (117 miles)	801,926’ (152 miles)	728,640’ (138 miles)
FY 2015-16****	619,913’ (117 miles)	1,408,769’ (267 miles)	1,214,400’ (230 miles)
FY 2016-17	502,816’ (95 miles)	1,911,585’ (362 miles)	1,700,160’ (322 miles)
FY 2017-18	441,361’ (84 miles)	2,352,943’ (446 miles)	2,185,920’ (414 miles)
FY 2018-19	495,639’ (94 miles)	2,851,200’ (540 miles)	2,671,680’ (506 miles)
FY 2019-20	523,384’ (99 miles)	3,426,535’ (649 miles)	3,157,440’ (598 miles)

*Six months, January 1, 2014 – June 30, 2014

**Newly-unique feet assessed during the FY (feet that had no previous assessment between January 1, 2014 and the start of the FY)

***Cumulatively-unique feet starting January 1, 2014

****Beginning FY 2015-16, the numbers reflect updates to sewer GIS data each year. Totals for prior fiscal years were not re-calculated based on the newer updates to sewer GIS data; therefore, the current cumulative total may not equal the prior cumulative total plus the total for the current fiscal year.

Maintenance Hole Inspection

Paragraph 83.c of the Consent Decree requires:

“When the City inspects a Sewer Main, it shall also inspect all Maintenance Holes associated with that Sewer Main.”

Paragraph 166a.ii.C of the Consent Decree requires:

“the number of Maintenance Holes inspected”

710 maintenance-hole inspections were performed. Field staff visually inspected the barrel of every maintenance hole and completed a computerized maintenance hole inspection form. One (1) Maintenance Hole was found in poor condition. It is on the list to be repaired.

4.3 Development of Regional Standards

Paragraph 166.a.iii. of the Consent Decree requires the Annual Report to contain:

“Regional Standards: a description of the activities to develop...Regional Standards.”

Paragraph 83.d. further requires:

“The City shall work with other Defendants to create Regional Standards for sewer installation, Rehabilitation and Repair and participate in submitting a group report of the recommended standards for EPA’s review and approval by June 30, 2016, and for review, every five years thereafter.”

A Regional Standards Committee (RSC) was formed in May 2015 by all Defendants for the review and development of Regional Standards regarding the work on sewer mains, manholes, and sewer laterals. In April 2015, a consultant (Humphrey Consulting) was contracted to assist the Defendants and the RSC in the development of standards. The City actively participated in the meetings of the RSC, held from May 2015 through June 2016. On June 30, 2016, Humphrey Consulting submitted the Regional Standards to EPA for review and approval and to the Plaintiffs on behalf of all Defendants, as required in the Consent Decree. The City have implemented the Regional Standards for the design of its capital projects. The Defendants have and will continue to discuss the Regional Standards, its effectiveness, and potential revisions and improvements at coordination meetings. The next EPA review and approval of the Regional Standards is due by June 30, 2021.

4.4 Sewer Lateral Inspection and Repair

Paragraph 166.b.i. of the Consent Decree requires the Annual Report to contain:

“Sewer Laterals: a description of the activities taken and materials used to notify property owners of defective sewer Laterals...”

Regional Private Sewer Lateral (PSL) Program

Paragraph 84.c of the Consent Decree requires:

“The City, to satisfy the requirements of this subparagraph, shall document, in spreadsheet format, the building permits issued during the Fiscal Year, the certificates of occupancy issued, and whether a Compliance Certificate was submitted prior to issuance of the certificate(s) of occupancy.”

Oakland started its PSL program on January 16, 2012, in collaboration with the Regional PSL Program administered by the East Bay Municipal Utility District (EBMUD).

The City requires that persons seeking building permits which require certificates of occupancy for construction or remodeling exceeding \$100,000 test, and, where necessary, replace defective private sewer laterals and obtain Compliance Certificates from EBMUD before being issued certificates of occupancy.

Table 4-4 shows the City's compliance with the CD requirement to have “...permittees to submit Compliance Certificates before being issued certificates of occupancy for construction or remodeling permits in excess of \$100,000.” (Paragraph 84.c).

**Table 4-4
Permits Finalized, with EBMUD Certificates of Compliance**

Fiscal Year	# Permits Finalized	# with Compl Cert	# w/o Compl Cert
FY 2019-20	390	390	0

The City finalized 390 building permits which required certificates of occupancy for construction or remodeling permits in excess of \$100,000. Among the 390 building permits, all building permits received Compliance Certificates issued by EBMUD which met the Consent Decree requirement to limit the number of building permits issued without Compliance Certificates to less than 25 per Fiscal Year.

Other Privately-Owned Defective Sewer Laterals

Paragraph 85.a. of the Consent Decree requires:

“Within 90 days of identifying a Sewer Lateral as defective the City of Oakland shall notify the owner in writing.”

Paragraph 166.b.i. of the Consent Decree requires the Annual Report to contain:

“A. the number of sewer Laterals identified as defective;

B. the number of property owners notified that their Sewer Laterals are defective;

C. a copy of a representative notice that was sent to property owners notifying them that their Sewer Lateral is defective;

D. a description and the number of administrative enforcement actions taken against property owners for defective Sewer Laterals;”

As shown in Table 4-5, City crews identified 199 defective Sewer Laterals. The City, as a practice, immediately notifies property owners when defective sewer laterals are identified by placing a door hanger notice (Figure 4-3, Appendix B) at the affected property. This is done every time our sewer maintenance crews complete a field investigation with confirmation of a defective sewer lateral. The City is in full compliance with the requirements in Paragraph 85.a. of the Consent Decree. If necessary, the City sends a secondary notice to the affected property, a sample letter of administrative enforcement actions is attached in Figure 4-3, Appendix B.

**Table 4-5
Defective Sewer Laterals**

# of Defective Sewer Laterals Identified in Fiscal Year 2019-20	# Of Notices Sent Within 90 Days Or Repaired Within 90 Days	# Of Notices Sent Beyond 90 Days	# Of Administrative Enforcement Actions for Defective Sewer Laterals
199	199	0	0

Oakland-Owned Sewer Laterals

Paragraph 166.b.i.E requires the Annual Report to contain:

“...the number of Oakland-owned Sewer Laterals inspected and Repaired or Rehabilitated and the cumulative number of Oakland-owned Sewer Laterals inspected and Repaired or rehabilitated from the Effective Date;”

On June of 2016, the City awarded an on-call construction contracts with two Contractors to inspect and, where necessary, repair or rehabilitate defective City-owned Sewer Laterals of 95 City facilities identified in Appendix H-1 of the Consent Decree. During FY 2019-20, the City completed sewer lateral rehabilitations at 12 locations, which brings the total number of rehabbed locations to 85. The City expects to complete inspection and repair of City-owned Sewer Laterals ahead of the September 21, 2024, completion date specified in the Consent Decree. A list of Oakland-Owned Sewer Laterals is presented in Table 4-6 of Appendix D.

Defective Sewer Laterals Owned by Other Public Entities or Government Agencies

Paragraph 166.b.i.F. requires the Annual Report to contain:

“...the address and name of any property owned by a Public Entity, or the State or federal government, that has an identified defective Sewer Lateral, including a description of the defect;”

The city did not identify any defective Sewer Laterals owned by other Public Entities or the State or federal government.

Sewer Lateral Education and Outreach Program

Paragraph 166.b.i.G. requires the Annual Report to contain:

“... a summary of the City’s assistance to EBMUD in the development of a Sewer Lateral education and outreach program.”

The City will continue to work with EBMUD in implementation of the program.

Lower Sewer Laterals

Paragraph 166.b.ii requires the Annual Report to contain:

“Lower Sewer Laterals: the number of Sewer Laterals connected to the Rehabilitated Sewer Mains and the number of Lower Sewer Laterals Repaired or Rehabilitated.”

City Repaired or Rehabilitated 1,065 Lower Sewer Laterals as part of the construction projects as part of its Sewer Main Rehabilitation, the City reconnected all 1,388 encountered Sewer Lateral connections, including connections to laterals within easements. The Laterals within easements are within private properties and are not considered Lower Sewer Laterals.

4.5 Inflow and Rapid Infiltration Identification and Elimination

Paragraph 166.c.i. of the Consent Decree requires the Annual Report to contain:

“a description of the City’s cooperation with EBMUD’s implementation of the RTSP;...”

The City will continue to work with EBMUD in implementation of the program.

On September 26, 2019, EBMUD submitted to the City, FY 2018-19 Annual Satellite Notification, in which twenty-eight (28) public I/I sources and eighty-seven (87) private I/I sources were identified. The City provided a response on December 20, 2019, in which there are no high priority I/I sources identified. However, the City have begun assessing the public I/I sources for repair and sent notices to property owners to mitigate the private I/I sources. The City have rehabilitated all defective manholes identified in the EBMUD Annual Satellite Notifications from FY14-15 to FY18-19 even when considered low priority. This work have eliminated over 3,000,000 gpd of I/I.

Section 5. SSO Reduction Work

Paragraph 167 of the Consent Decree requires:

“The City shall summarize its Work to reduce SSOs in its service area in the reporting Fiscal Year.”

A summary of the City’s work is described below.

5.1 Capacity Assurance

Paragraph 167.a. of the Consent Decree requires that the Annual Report contain:

“Capacity Assurance: a description of the activities performed in order to monitor the locations in Paragraph 89(a) during rain events...”

The City monitored water levels in Maintenance Holes listed in Paragraph 89(a) of the Consent Decree by using high-water level alarm sensors. These sensors were installed 12” below the rim of the manhole cover. The low water level alarm sensors were installed 17” below the rim of the manhole cover. Table 5-1 provides information required in Paragraph 167a of the Consent Decree.

Paragraph 167.a.i requires the City to show the *“highest water level in relation to the Maintenance Hole observed in the reporting Fiscal Year”*.

Table 5-1 is a cumulative list of all locations that received high water level alarms in FY 2014-15, FY 2015-16, FY 2016-17, FY 2017-18, FY 2018-19, and FY 2019-20. In FY 2019-20 the City experienced a total of three (3) locations that reached within one foot of the Maintenance Hole rim. All flows were contained within the system and no SSO events have occurred at any of these three (3) locations. All locations were non-capacity related.

Paragraph 167.a.ii requires the City to identify any *“capacity-related SSO or instance of the water level reaching within one (1) foot of the Maintenance Holes rim due to a lack of capacity and whether the event(s) occurred during a rain event that was greater than the December 5, 1952 Storm”*.

As shown in Table 5-1, high water levels were experienced in two locations that were triggered by the February 13, 2019 storm event. Our analysis shows that the February 13, 2019 storm have exceeded the December 5, 1952 storm. The event surpassed a 5-year classification with a full duration classification of a 10-year, 21-hour event. Despite this, and out of an abundance of caution, the City has begun design of upgrades to the two locations where high water levels were triggered. The City, at our discretion will assess if funding these projects are obtainable, as they are not required by the CD. A list of the City’s progress on the planned upgrades is provided next page.

Paragraph 167.a.iii requires the City to provide *“a description of all activity the City performed to prevent an SSO from occurring at a location where the City had reason to believe a capacity-related SSO was likely to occur”*.

Table 5-1 includes a description of maintenance activities performed to prevent SSO’s for each location.

Paragraph 167.a.iv requires the City to provide “*a description of activities to address locations that do not have sufficient capacity*”.

There are no activities to report.

Paragraph 167.a.v requires the City to provide “*a list of sewer segments improved pursuant to Paragraph 89(b) including the date the capacity was improved, and certification that any improved Sewer Main has sufficient capacity*”.

The following is a summary progress report on all four locations:

- Maybelle Avenue and Masterson Street (Phase 2) - Construction Completed on May 28, 2019
- Trestle Glen Road at Creek Road – Construction Completed on December 13, 2018
- Park Blvd and Spruce Street - Construction Completed on March 26, 2019
- Maybelle Avenue, Porter Street and High Street – Construction planned for Spring 2021

Paragraph 167.a.vi requires the City to provide “*identification of any capacity-related SSOs and the SSO date and location*”.

There are no capacity-related SSOs to report.

**Table 5-1
Capacity Related High Level Alarms Triggered**

No. Listed from Consent Decree	Location	Event Occurrence			Reasons for High Level Alarm	Maintenance Performed to Prevent SSO's	Comment
		Date of Occurrence	Rain Event?	Exceeded 1952 Storm?			
i.	San Pablo Avenue at 60th Street****	* 12/11/2014	Yes	Yes	Exceeded 1952 Storm	Televised: 5-29-14, 2-18-15, 9-20-16 Cleaned: 2-18-15, 4-28-16, 9-20-16 On Hot Spots List	**Construction Completed on January 19, 2018.
		1/19/2016	Yes	No	Grease & Capacity		
		3/5/2016	Yes	No	Grease & Capacity		
		6/5/2019	No	No	Maintenance staff triggered sensor		
ii.	San Pablo Avenue at 62 nd Street*** *	9/23/2015	No	N/A	Maintenance staff triggered sensor	Televised: 4-29-14, 10-17-16 Cleaned: 9-23-15, 8-30-16 On Hot Spots List	**Construction Completed on January 22, 2018.
		10/20/2017	No	N/A	Construction activities triggered sensor		
		6/8/2019	No	No	Maintenance staff triggered sensor		
iii.	Stanford Avenue at Gaskill Street	9/23/2015	No	N/A	Maintenance staff triggered sensor	Televised: 8-20-14, 10-06-16. Cleaned: 10-06-15, 10-06-16. Inspected and reset surcharge alarm unit 9-23-15.	Upsizing not needed.
		8/25/2016	No	N/A	Maintenance staff triggered sensor		
iv.	27th Avenue & Vernon Street	* 12/11/2014	Yes	Yes	Exceeded 1952 Storm	Televised: 4-29-14, 12-16-14, 9-19-2016 Cleaned: 4-29-14, 6-2-14, 1-13-15, 7-27-15, 2-8-16, 8-10-16, 9-19-15, 2-14-17, 8-25-17, 3-9-17, 5-2-17 On High Frequency Cleaning List Every 6 Months	Upsizing not needed. The current hydraulic model shows there is sufficient capacity. The location is placed on the High Frequency 6-month cleaning list.
		1/19/2016	Yes	No	Grease		
		12/15/2016	Yes	No	Grease		
		2/20/2017	Yes	Yes	Exceeded 1952 Storm		
		11/28/2018	Yes	No	Grease and Debris		

		11/29/2018	Yes	No	Grease and Debris		
		2/13/2019	Yes	Yes	Exceeded 1952 Storm		
v.	Grand Avenue and Harrison Street****	* 12/11/2014	Yes	Yes	Exceeded 1952 Storm	Televised: 4-28-14 Cleaned: 4/28/14, 5/27/2015, 6-8-16, 6/13/17	**Construction Completed on November 17, 2017.
		1/06/2016	Yes	No	Grease & Sag		
		1/17/2016	Yes	No	Grease & Sag		
		1/19/2016	Yes	No	Grease & Sag		
		1/22/2016	Yes	No	Grease & Sag		
		3/5/2016	Yes	No	Grease & Sag		
		12/10/2016	Yes	No	Grease & Sag		
		12/15/2016	Yes	No	Grease & Sag		
		1/9/2017	Yes	No	Grease & Sag		
		1/10/2017	Yes	No	Grease & Sag		
		1/18/2018	Yes	No	Grease & Sag		
		1/20/2017	Yes	No	Grease & Sag		
		1/22/2017	Yes	No	Grease & Sag		
		2/20/2017	Yes	Yes	Exceeded 1952 Storm		
		3/4/2017	Yes	No	Grease & Sag		
		4/7/2017	Yes	No	Grease & Sag		
		7/29/2017	No	N/A	PG&E Construction activities		
		12/29/2019	Yes	No	Blockage/Clog in downstream pipe		
		1/2/2020	No	No	Blockage/Clog in downstream pipe		
vi.	19th Street and Jackson Street	† 12/13/2015	Yes	No	Downstream sewer construction by-pass and cleaning triggered sensor	Televised: 5-27-14, 10-3-16, 11-18-16, 5/15/2017 Cleaned: 11-21-14, 9-19-16, 11-16-16, 5/2/2017, 11-22-19 Inspection every 6 months	Revised conclusion that the trigger was not capacity related. Additionally, a sewer relief line was constructed in 2010.

		11/28/2018	Yes	No	Debris		
		2/2/2019	Yes	No	Maintenance staff triggered sensor		
		11/17/2019	No	No	Maintenance staff triggered sensor		
vii.	Park Blvd and Spruce Street	1/17/2016	Yes	No	Capacity	Televised: 11-14-14, 8-3-16 Cleaned: 1/23/14, 7-8-16 On High Frequency Cleaning List every 12 Months	Capacity deficiency mitigated due to immediate downstream upsizing project on East 18 th Ave at 4 th Ave. *** Construction Completed on March 26, 2019.
		3/5/2016	Yes	No	Capacity		
		3/12/2016	Yes	No	Capacity		
		1/8/2018	Yes	No	Maintenance staff triggered sensor		
		10/9/2018 – 6/5/2019	No	No	Construction activities. Sensor removed during duration of Capacity upgrade till completion of March 2019. Maintenance staff triggered sensor in June 2019.		
viii.	East 18th Avenue at	* 12/11/2014	Yes	Yes	Exceeded 1952 Storm		**Construction Completed on

	4th Avenue*** *	12/13/2015	Yes	No	Capacity	Televised: 12-26-14, 8-14-15, 8-29-17 Cleaned: 8-09-16	December 11, 2017.
		12/21/2015	Yes	No	Capacity		
		1/06/2016	Yes	No	Capacity		
		1/17/2016 & 1/19/2016	Yes	No	Capacity		
		3/05/2016 & 3/10/2016	Yes	No	Capacity		
		12/10/2016 & 12/15/2016	Yes	No	Capacity		
		2/20/2017	Yes	Yes	Exceeded 1952 Storm		
		6/2/2019	No	No	Maintenance staff triggered sensor		
		4/29/2020	No	No	Temporary Clog		
ix.	††Maybell e Avenue and Masterson Street	* 12/11//2014	Yes	Yes	Exceeded 1952 Storm	Televised: 1-2-15, 9-22-16, 1-10-17, 8-24-17, 11-19-17 Cleaned: 12-27-15, 3-15-16, 1-2-17, 9-13-17	**Construction Completed on September 22, 2017.
		1/17/2016 & 1/19/2016	Yes	No	Sag		
		3/5/2016 & 3/10/2016	Yes	No	Sag		
		3/13/2016 & 1/10/2017	Yes	No	Sag		
		2/20/2017	Yes	Yes	Exceeded 1952 Storm		
		9/19/2017	No	N/A	Construction activities triggered sensor		
		8/25/2018	No	N/A	Construction activities triggered sensor		
		1/6/2019	Yes	No	Sag		
		2/13/2019	Yes	Yes	Exceeded 1952 Storm		

x.	†††Trestle Glen road and Creed Road	* 12/11/2014	Yes	Yes	Exceeded 1952 Storm	Televised: 1-26-15 Cleaned: 5-6-15, 11-9-15, 5-10-16, 12-5-16, 6-6-17 Location on High Frequency Cleaning List Every 3 Months	*** Construction Completed on December 13, 2018.
		1/17/2016 & 1/19/2016	Yes	No	Debris & Sag		
		3/5/2016	Yes	No	Debris & Sag		
		12/10/2016 & 12/15/2016	Yes	No	Debris & Sag		
		1/10/2017	Yes	No	Debris & Sag		
		2/20/2017	Yes	Yes	Exceeded 1952 Storm		
		4/7/2018	Yes	No	Debris & Sag		
		8/25/2018	No	N/A	Construction activities triggered sensor		
		10/9/2018 – 12/1/2018	No	No	Construction activities. Sensor removed during duration of Capacity upgrade.		
		5/18/2019	No	N/A	Construction activities triggered sensor		
6/8/2019	No	No	Maintenance staff triggered sensor				
xi.	76 th Avenue and Bancroft Avenue	8/25/2016	No	N/A	Maintenance staff triggered sensor	Televised: 12-18-14, 9-29-17 Cleaned: 5-28-14, 6-3-2015, 2-9-16, 6-22-16, 2-15-17, 9-29-17 Location on High Frequency Cleaning List Every 12 Months	
		2/20/2017	Yes	Yes	Exceeded 1952 Storm		

* Locations in which the water level reached within one foot of the Maintenance Hole rim during the December 11, 2014 rain event. Rain event exceeded 1952 Storm.

** Project 1001173

*** Project 1001173 Task #2, Park Blvd and Spruce Street Sewer Capacity Upgrade project, construction completed on March 26, 2019.

† The following information was not included in FY2015-16's Annual Report, because of a recent finding. The City re-evaluated the 12/13/2015 trigger event and revised a conclusion that the trigger was not capacity related. The trigger was caused by construction activities on a sewer project downstream between December 7, 1015 and December 17, 2015. The construction activities included a sewer bypass, sewer pipe cleaning, and CIPP

preparation setup for a 48" sewer line rehabilitation at San Pablo and West Grand Avenue. The bypass pump was set up between San Pablo Ave and West Grand Ave.

Additionally, a sewer relief line was constructed from City Project No. C59310 in 2010 to increase sewer capacity near the intersection of Jackson Street and 19th Street. The project split the sewer flows running north on Jackson Street; diverting a portion of the flow to continue north towards Lakeside Drive. Prior to the construction of these improvements, the sewer manhole 50-904-24 would experience high flow levels during high-intensity rain events. The constructed relief line added an alternative flow path from Jackson Street and 19th Street to the 60" trunk sewer line located on 20th Street to the north. The increased capacity provided by the new relief line has reduced the chance of a sanitary sewer overflow (SSO) at this location.

The City have undergone hydraulic analysis to determine the benefit the relief line provides. The City's hydraulic model was run under two scenarios, (1) without improvements and (2) with the relief line constructed. In both instances a 5yr-7hr design storm was used to evaluate sewer performance during a rainfall event. Under scenario (1), the hydraulic grade line (HGL) rose above the rim elevation at manhole 50-904-24, indicating that an SSO would occur. Under scenario (2), with the relief line constructed, the HGL lowered from 8.38 to 7.63 and below the manhole rim.

†† To mitigate the capacity deficiencies in the sewer pipes between Maybelle Avenue and Masterson Street, City has completed construction to upsize the existing 10-inch VCP sewer pipe to 14-inch HDPE pipe along Maybelle Avenue between Masterson Street and MacArthur Boulevard. These improvements substantially reduce the risk of a sanitary sewer overflow during wet-weather. In addition to the completed project, the City has also completed construction of upsizing approximately 47 linear feet of existing 10-inch VCP sewer pipe to 12" VCP at the intersection of Maybelle and Masterson on 5/28/2019. The City is proceeding with preparing construction plans for capacity upgrades between Maybelle Avenue, Porter Street and High Street, and construction is expected to commence in 2020.

††† Trestle Glen Road and Creed Road Sewer Capacity Upgrade project, construction completed on December 13, 2018.

**** According to Paragraph 89.d, assessment may be discontinued for any location where a Sewer Main is replaced by a larger capacity Sewer Main and the City assess the location for at least 2 Wet Weather Seasons following such replacement and there is no evidence of a potential capacity deficiency. The following locations meet this condition and the City concluded that four (4) mandatory monitoring locations will be removed from capacity assessment:

- San Pablo Avenue at 60th Street
- San Pablo Avenue at 62nd Street
- East 18th Avenue at 4th Avenue
- Grand Avenue and Harrison Street

However, the City plans to install devices to monitor for non-capacity related items for blockages such as FOG, root intrusion, and debris in the following locations:

- East 18th Avenue at 4th Avenue
- Grand Avenue and Harrison Street

5.2 Post SSO Inspection

Paragraph 167.b. of the Consent Decree requires that the Annual Report contain:

“Inspections: a statement that Oakland completed CCTV inspections downstream of each SSO location.”

The City completed CCTV inspections downstream of each SSO.

5.3 Acute Defects

Paragraph 167.c. of the Consent Decree requires that the Annual Report contain:

“Acute Defects: a description of the activities to Repair Acute Defects...”

Paragraph 91 further provides:

“Acute Defects. The City of Oakland shall continue to repair Acute Defects as soon as possible, but no later than within one Year of identification.”

City has completed all Acute Defects identified in previous years. There have been no acute defect locations found.

5.4 Sewer Main Cleaning

Paragraph 167.d. of the Consent Decree requires that the Annual Report contain:

“Sewer Main Line Cleaning: a description of activities conducted under its sewer cleaning program...”

Paragraph 92.b. further provides:

“Beginning July 1, 2018, and for the duration of the Consent Decree, the City shall clean at least 971,520 feet of Sewer Main per Fiscal Year on a cumulative basis (i.e., 971,520 feet by June 30, 2019; 1,943,040 by June 30, 2020; etc.). The City will determine which sewers to clean as long as a cumulative total of 971,520 feet of Sewer Main is cleaned each Fiscal Year. The cleaning frequency shall prevent the buildup of debris, roots, grease, or other material.”

As shown in Table 5-3a, 1,054,844' (200 miles) of Sewer Main were cleaned, which exceeds the Consent Decree requirement of 971,520 unique feet (184 miles).

Table 5-3a
Feet of Sewer Main Cleaned (Unique Feet)

Fiscal Year	Mains Cleaned*	Cumulative Total**	CD Requirement
FY 2013-14	544,051' (103 miles)	2,085,969' (395 miles)	1,900,800' (360 miles)
FY 2014-15	778,526' (147 miles)	2,864,495' (543 miles)	2,640,000' (500 miles)
FY 2015-16 ***	941,179' (178 miles)	3,777,533' (715 miles)	3,379,200' (640 miles)
FY 2016-17	625,001' (118 miles)	4,402,534' (834 miles)	4,118,400' (780 miles)
FY2017-18	501,139' (95 miles)	4,903,673' (929 miles)	4,903,673' (929 miles)
		<i>Reset to zero on July 1, 2018</i>	
FY2018-19	998,933' (189 miles)	998,933' (189 miles)	971,520' (184 miles)
FY2019-20	1,054,844' (200 miles)	2,059,671 (390 miles)	1,943,040' (368 miles)
Since Effective Date (September 22, 2014)***	4,376,416' (829 miles)	n/a	n/a

* Mains Cleaned: Newly-unique feet cleaned during the FY. (Feet that had not been cleaned prior to the fiscal year; reset July 1, 2018.)

** Cumulative Total: Beginning FY 2018-19, reset to zero on July 1, 2018. In prior fiscal years, zero started on January 1, 2010. Updates to sewer GIS data are done throughout the year, and totals for prior fiscal years are not re-calculated based on the newer updates to sewer GIS data; therefore, the current cumulative total may not equal the prior cumulative total plus the total for the current fiscal year.

*** Since Effective Date: Unique feet cleaned September 22, 2014 through June 30, 2020. (Reset to zero at 9/22/14.) The length of a sewer main is counted once regardless of the number of times it is cleaned. Table 5-3a includes feet of sewer main that were cleaned only once during the timeframe, and also includes feet of sewer main that were cleaned more than once in the timeframe (Table 5-3b only includes feet of sewer pipe that were cleaned more than once). Numbers reflect updates to sewer GIS data.

Reference: Paragraph 92.a., Paragraph 167.d.i.

Table 5-3b
Feet of Sewer Main Cleaned More Than Once

Per Paragraph 167.d.ii., in this Table 5-3b, the length of a Sewer Main is counted once regardless of the number of times it is cleaned.

Fiscal Year	Mains Cleaned	Cumulative Total*	CD Requirement
FY 2014-15	379,663' (72 miles)	1,508,005' (286 miles)	n/a
FY 2015-16 **	411,287' (78 miles)	1,960,753' (371 miles)	n/a
FY 2016-17 **	325,672' (62 miles)	2,269,887' (430 miles)	n/a
FY 2017-18 **	281,057' (53 miles)	2,544,909' (482 miles)	n/a
FY 2018-19 **	258,786' (49 miles)	2,892,629' (548 miles)	n/a
FY 2019-20 **	373,275' (71 miles)	3,350,316' (635 miles)	n/a

* Cumulative Total: Starting January 1, 2010

** Updates to sewer GIS data are done throughout the year. Totals for prior fiscal years were not re-calculated based on the newer updates to sewer GIS data. The pipes that are cleaned more than once in a fiscal year may be the same or different in each fiscal year, and the calculation is specific to each fiscal year. For example, pipe A may have been cleaned twice in FY2014-15 and twice in 2015-16, so its footage is included in each fiscal year's calculation; whereas pipe B may have been cleaned once in FY 2014-15 and twice in FY2015-16, so its

footage is only included in the FY 2015-16 calculation. The cumulative total would include pipe A only once and pipe B only once, which is why the current cumulative total cannot be calculated by combining the prior cumulative total and the total for the current fiscal year.

Table 5-3c Feet of Sewer Main Cleaned, Including Repeat Cleanings

Per Paragraph 167.d.iii., in this Table 5-3c, the length of a Sewer Main is multiplied by the number of times it is cleaned.

Fiscal Year	Mains Cleaned	Cumulative Total*	CD Requirement
FY 2014-15	2,017,932' (382 miles)	6,486,856' (1,229 miles)	n/a
FY 2015-16 **	2,361,494' (447 miles)	8,799,050.32' (1,666 miles)	n/a
FY 2016-17 **	1,854,591 (351 miles)	10,656,915' (2,018 miles)	n/a
FY 2017-18 **	1,670,390' (316 miles)	12,355,381' (2,340 miles)	n/a
		<i>Reset to zero on July 1, 2018 per paragraph 196.d.iii.</i>	
FY 2018-19 **	1,383,101' (262 miles)	1,383,101' (262 miles)	n/a
FY 2019-20 **	2,017,506' (382 miles)	3,410,946' (646 miles)	n/a

* Cumulative Total: Beginning FY 2018-19, reset to zero on July 1, 2018. In prior fiscal years, zero started on January 1, 2010.

** Updates to sewer GIS data are done throughout the year, and totals for prior fiscal years are not re-calculated based on the newer updates to sewer GIS data; therefore, the current cumulative total may not equal the prior cumulative total plus the total for the current fiscal year.

5.5 Root Cleaning (Foaming)

Paragraph 167.e. of the Consent Decree requires that the Annual Report contain:

“Root Cleaning: a description of the activities conducted under Oakland’s root control program, including the feet of Sewer Main treated for root control cumulatively and in each Fiscal Year beginning July 1, 2013.”

Paragraph 92.e. further provides:

“For the first three Fiscal Years, the City of Oakland shall treat a minimum of 264,000 feet of Sewer Mains per Fiscal Year on a cumulative basis (i.e., 264,000 feet by June 30, 2014; 528,000 feet by June 30, 2015; and 792,000 feet by June 30, 2016.)”

The City has been treating sanitary sewer mains to reduce instances of excessive root infiltration. The root-foaming program uses an herbicide which penetrates root cell walls and causes them to decay and die. This treatment destroys roots that have infiltrated sewer mains that can cause stoppages and damages.

From 2011 to 2015, the root-cleaning program selected pipes for treatment based on a non-targeted, basin-wide approach. Beginning in FY 2015-16, the City revised its pipe selection process to more efficiently target pipes and avoid treating pipes known to be clear of roots. Selection of pipes within the system for root foam treatment is based primarily on observation of roots from CCTV inspections. Other selection criteria include:

1. Priority is given to pipes within easements.
2. All pipes in a sub-basin are treated if a significant number of pipes are affected by root intrusion as indicated in CCTV inspections.
3. Pipes will not be selected for root foaming if the pipe has been rehabilitated within the last five years.

4. Pipes will not be selected for root foaming if the pipe will be rehabilitated within five years or the pipe resides in the hot spot list.

The City had cumulatively root foamed 1,859,881 feet (352.3 miles) of Sewer Mains, which exceeds the Consent Decree requirement of 1,584,000 feet (300 miles). Results of the City’s root-cleaning program are as follows in Table 5-4:

Table 5-4 Root Control Program Implementation

Fiscal Year	Mains Assessed		Cumulative Total		CD Requirement	
FY 2013-14	304,811’	(57.7 miles)	304,811’	(57.7 miles)	264,000’	(50 miles)
FY 2014-15	352,176’	(66.7 miles)	656,987’	(124.4 miles)	528,000’	(100 miles)
FY 2015-16	146,784’	(27.8 miles)	803,771’	(152.2 miles)	792,000’	(150 miles)
FY 2016-17	423,361’	(80.2 miles)	1,227,132’	(232.4 miles)	1,056,000’	(200 miles)
FY 2017-18	100,525’	(19.0 miles)	1,327,657’	(251.5 miles)	1,320,000	(250 miles)
FY 2018-19	324,192’	(61.4 miles)	1,651,849’	(312.9 miles)	1,584,000	(300 miles)
FY 2019-20	208,032’	(39.4 miles)	1,859,881’	(352.3 miles)	1,848,000	(350 miles)

Paragraph 92.e. further provides:

“By December 31, 2016, the City shall submit an evaluation of its root control program to EPA for review and approval. The evaluation shall consider the need to treat additional or fewer Sewer Mains to address results from cleaning and CCTV. The evaluation shall propose refinements to the City’s root control program in order to ensure excessive roots in the Collection System are controlled.”

On December 9, 2016, the City submitted an evaluation report of the root control program to EPA for review and approval. On February 27, 2017, EPA rejected the City’s proposal to foam 23.4 miles of sewer mains per year and was directed to continue treating 50 miles of sewer mains per year as specified in paragraph 92(e) of the Consent Decree. On February 28, 2017, the City submitted a request for technical feedback and reconsideration since there was no explanation of the rejection provided. On November 21, 2019, EPA continued to reject the proposal due to root-related SSOs accounted for 30% of SSOs in FY2018-19 which included two large SSOs. EPA will discuss this requirement again at a future date. The City will continue to improve the root control program as part of the current sewer master plan efforts.

5.6 Hot Spot Cleaning

Paragraph 167.f. of the Consent Decree requires that the Annual Report contain:

“Hot Spot Cleaning: description of activities conducted under its hot spot program, including feet of Sewer Main in the hot spot cleaning program and the range of cleaning frequencies for Sewer Main in the hot spot cleaning program;”

The City’s High Frequency cleaning program includes 350,922 feet (66.46 miles) of Sewer Mains which are cleaned every three (3) to twelve (12) months. The City’s sewer crews cleaned 664,956 feet (126 miles) of Sewer Mains as part of the High Frequency sewer cleaning program.

5.7 Fats, Oil and Grease (FOG) Control

Paragraph 167.g. of the Consent Decree requires that the Annual Report contain:

“FOG: a description of activities to control FOG in the Collection System; a list of any SSOs that were thought to be associated with FOG or excessive buildup of grease, a list of FOG locations referred to EBMUD for investigation, and any actions that were taken against food service establishments related to inadequate FOG controls.”

The City attempts to control FOG in the collection system by placing all pipelines where excessive FOG loading has been identified on a modified maintenance schedule. The pipelines are placed on a 3-month, 6-month, or 12-month maintenance schedule, and are hydro-flushed with a de-greaser agent when possible. In addition, the City has implemented a public awareness campaign to advise residential users to not introduce FOG into residential plumbing. The advisement is administered by way of billing insert flyers and social media postings.

32 SSOs were thought to be associated with FOG as listed in Appendix A.

Table 5-5 FOG-Related SSOs with CIWQS #s

859716	400 Capricorn Ave.
860274	4354 39th Ave.
860526	1462 High St.
861673	Parkhurst Dr. and Saddle Brook Dr.
862272	3627 Virden Ave.
862357	Vicksburg Ave. and Ygnacio Ave.
862470	1624 Trestle Glen Ave.
862827	360 8th St.
862891	9856 Springfield St.
863073	3000 Lakeshore
863503	1108 60th Ave
863662	40 Eucalyptus Rd.
863717	1932 96th Ave.
863743	5533 College Ave.
864133	9636 Bancroft Ave.
864145	21st St. and Harrison St.
864384	5655 College Ave.
864423	7015 Halliday Ave.
864443	2nd St. and Jackson St.
864449	2356 Church St.
864610	2344 63rd Ave.
864614	Aqua Vista Ave. and High St.
865302	82nd Ave and Golf Links Rd.
865380	200 Lakeside Dr.
865986	3922 Wilda Ave.
866272	796 Hillgrit Circle
866756	4117 E. 16th St.
866859	90th Ave and Birch St.

866926	2727 Short St.
867565	1122 E. 17th St.
867566	9461 Spencer St.
867728	9931 Bernhardt Dr.

5.8 Pump Station Renovation

Paragraph 167.g of the Consent Decree requires that the Annual Report contain:

“Pump Stations: a description of pump station renovation and upgrades required by the Pump Station Reliability Plan during the previous Fiscal Year and a description of projects to be completed in the following Fiscal Year.”

Paragraph 94 further requires:

“The City shall complete improvements described in the Plan by October 15, 2022.”

The city's collection system has seven (7) small pump/lift stations:

- ❖ Denton Place
- ❖ Fallon Street
- ❖ Hegenberger Road
- ❖ Parkridge Drive
- ❖ Tidewater Avenue
- ❖ Shepherd Canyon Road
- ❖ Skyline Blvd

Renovation of the Tidewater Pump Station was completed in 2012. Renovation of the Hegenberger Road, Shepherd Canyon, and Fallon Pump Stations was completed in 2018.

On July 30, 2020, the City received 5 bids on the final pump station upgrades for Denton Place, Parkridge Drive, and Skyline Blvd pump stations and the construction of the remaining three pump/lift stations will be scheduled in FY20-21.

The completion of all pump stations is planned for completion by 2021, prior to the required deadline of October 2022.

Section 6. Deliverables

Date Submitted	Description	Comments Received
9/30/15	Annual Report FY14/15	N/A
10/02/15	Annual Report FY14/15 Amendment	7/18/16, Comments addressed on 9/19/16
6/30/16	Regional Standards	None
9/30/16	Annual Report FY15/16	8/29/17, Comments addressed as part of Annual Report FY16/17
12/9/16	Root Control Program Evaluation Report	2/28/17. Requests for a 2 nd Response
12/16/16	RTSP Notification Response (Non-Linear High Priority Source Plan)	None
4/18/2018	EPA/RWQCB submitted Demand Letter	
6/14/18	Transmittal letter in response to EPA/RWQCB Demand Letter dated 4/18/2018 for payment of stipulated penalties	None
8/8/2018	EPA stated no response to FY16-17 annual report.	
8/31/18	Response letter to EPA/RWQCB Letter dated 4/18/2018 inquiring on additional stipulated penalties	None
7/03/19	Response letter to EPA/RWQCB Letter dated July 1, 2019 addressing the areas of concern identified by the EPA and Regional Board dated May 6, 2019.	None
11/21/19	EPA provided response to rejection of the City's recommendation to reduce the annual root foam mileage	

- On December 9, 2016, the City submitted an evaluation report of the root control program to EPA for review and approval. On February 27, 2017, EPA rejected the City's proposal to foam 23.4 miles of sewer mains per year and directed the City to continue treating 50 miles of sewer mains per year as specified in paragraph 92(e) of the Consent Decree. The City requests for a more substantial response and reconsideration of the request for a conditional approval.
- On December 16, 2016, the City submitted the City of Oakland's response to EBMUD's 2015/2016 RTSP Annual Satellite Notification for the period of July 1, 2015 to June 30, 2016 to EPA and EBMUD. The response provides the Non-Linear High Priority Source Plan.
- On June 14, 2018, the City submitted a transmittal letter with payment in response to EPA/RWQCB Demand Letter dated 4/8/2018. Payment made under dispute.
- On August 31, 2018, the City submitted a letter in response to EPA/RWQCB Demand Letter dated 4/8/2018 for further reply of additional stipulated penalties.
- On July 3, 2019, the City submitted a letter in response to 2 reports dated May 6, 2019 concerning the City's compliance with the areas of work required by the Consent Decree on sanitary sewer overflow response and sewer rehabilitation.
On November 21, 2019, EPA provided a response to the rejection of the City's recommendation to reduce the annual root foam mileage.

Section 7. Known Non-Compliance with Consent Decree

Paragraph 142 of the Consent Decree requires that the Annual Report contain:

“A description of any known noncompliance by that Defendant with this Consent Decree during the reporting period.”

The City is in full compliance with Consent Decree.

Section 8. Assessment of Stipulated Penalties

Paragraph 186 of the Consent Decree requires that the Annual Report contain:

“For each SSO reaching waters of the United States, a stipulated penalty may be assessed as follows, with “gallons” referring to the total size of the overflow, spill or release:

Penalty Per SSO for SSOs totaling:		
Less than 1,000 gallons	1,000 to 9,999 gallons	10,000 gallons or more
\$200	\$1,000	\$25,000

In FY 2019-20, the total volume reaching surface waters was 134,239 gallons from 28 SSO events as shown in Table 8-1 provides the number of SSOs in each of the three volume categories.

The total potential assessed stipulated penalty from FY 2019-20 for SSOs Reaching Waters of United States is \$64,800 as detailed below.

Table 8-1 SSOs Reached Waters of United States

FY	# of SSOs for SSOs totaling Less than 1,000 gallons	# of SSOs for SSOs totaling 1,000 to 9,999 gallons	# of SSOs for SSOs totaling 10,000 gallons or more
FY 2019-20	14	12	2
Potential Assessed Stipulated Penalty	\$2,800	\$12,000	\$50,000
Total Potential Assessed Stipulated Penalty from FY 2019-20	\$64,800		

Paragraph 172 of the Consent Decree provides:

"If the Annual Report documents that any of the obligations subject to stipulated penalties may not have been complied with, and a Defendant takes the position that potentially applicable stipulated penalties should not be assessed, that Defendant may include in the Annual Report an explanation as to why Plaintiffs should forego collecting such penalties; ... "

The City believes that Stipulated Penalties should not be assessed for the SSO events that reached surface waters. The spills were caused by a variety of reasons such as grease deposits, root intrusion, debris, and heavy storms and are considered non-point sources. The City has been meeting the cleaning and rehabilitation goals annually since FY 2014 and has responded quickly to SSOs. A penalty would impact the ability of the City to meet future goals as the rehabilitation costs have significantly increased due to market conditions. If Plaintiffs disagree with

this position, the City would appreciate the opportunity to discuss assessment of any potential penalties and provide additional explanations of its position.

Section 9. Recommended Changes to Required Work

Paragraph 143 of the Consent Decree requires that the Annual Report contain:

“Any recommended changes to the Work required of that Defendant by this Consent Decree, including any proposed material modifications to any Deliverable.”

There are no recommended changes to the Work.

Appendix Summary

Appendix	Table Name	Table Number
A	List of Sanitary Sewer Overflows (SSOs) in FY 2018-19	
B	Notice to Abate Door Hanger & Sample Letter	Figure 4-3
C	City-Owned Sewer Laterals	Table 4-6

Appendix A
List of Sanitary Sewer Overflows (SSOs) in FY 2019 - 20

859601	608977	42 EL Patio ST. Oakland Ca,94621	2019.07.02 13.00.00	2019.07.02 14.30.00	2019.07.08 00.00.00	900	0	0	Other (specify below)	Other (specify below)	A contractor set up a bypass while performing work in the area. The bypass connection came lose, or was not connected properly. The sewage ran down the hill into a citizens yard. Andes construction performed the work, it was Andes construction bypass setup that failed, resulting in the overflow.
859715	442050	10329 MacArthur Blvd. Oakland Ca,94621	2019.07.11 13.10.00	2019.07.11 14.13.00	2019.07.19 00.00.00	315	315	0	Separate Storm Drain; Street/Curb and Gutter	Debris-Genera l	Three hundred and fifteen gallons spilled from a manhole in the street at this location into a storm inlet. Debris obstructed an eight inch clay pipe causing the overflow. Three hundred and fifteen gallons spilled into a storm drain at this location, three hundred and fifteen gallons was captured and returned to the collection system.
859716	174321	400 Capricorn Avenue Oakland Ca,94621	2019.07.08 11.00.00	2019.07.08 19.00.00	2019.07.12 00.00.00	420	100	0	Unpaved surface	Grease Deposition (FOG)	Four hundred and twenty gallons spilled from a eight inch clay pipe on to the ground. Three hundred and twenty gallons was captured, one hundred gallons soaked into the hillside. Grease and tree roots obstructed the pipe causing the overflow.

859898	758909	Hilgrit & MacArthur Blvd. Oakland Oakland Ca,94621	2019.07.15 14.23.00	2019.07.15 16.44.00	2019.07.19 00.00.00	141	141	0	Other (specify below); Street/Curb and Gutter	Debris- General	One hundred and forty one gallons spilled into a storm drain at this location. Storm line was back flushed, sewage was captured and returned to the collection system.
859993	367733	2060 Melvin Rd. Oakland Ca,94621	2019.07.19 10.10.00	2019.07.20 08.00.00	2019.07.25 00.00.00	132 0	0	0	Unpaved surface	Pipe Structural Problem/Failure - Installation	null
860274	319881	4354 39th Avenue Oakland Ca,94621	2019.08.05 17.47.00	2019.08.05 07.45.00	2019.08.14 00.00.00	122	122	0	Separate Storm Drain; Street/Curb and Gutter	Grease Deposition (FOG)	120 gallons overflowed from an eight inch vetrified clay pipe. Grease obstructed the pipe. 120 gallons spilled into a storm drain at this location. Storm line was back flushed from upstream storm line. Sewage was captured and returned to the collection system.
860526	492042	1462 High St. Oakland Ca,94621	2019.08.13 13.20.00	2019.08.13 15.00.00	2019.08.19 00.00.00	20	20	0	Street/Curb and Gutter	Grease Deposition (FOG)	Twenty gallons spilled from a six inch clean out on the sidewalk. Sewage spilled onto the curb and gutter, sewage did not spill into the storm inlet. Grease and debris obstructed the six inch clay pipe. Twenty gallons was captured and returned to the collection system.

860734	231690	175 Bay Place Oakland Ca,94621	2019.08.26 08.33.00	2019.08.26 11.13.00	2019.08.28 00.00.00	6	6	0	Street/ Curb and Gutter	Debris- Genera l	Six gallons spilled from a clean out on the sidewalk The overflow was a result of the sewer main blocked. General debris obstructed an eight inch polyurethane pipe. Sewage came out off a private lateral spilling on to the curb and gutter area. All six gallons was captured returned back to the collection system.
860765	626733	9175 Edes Avenue Oakland Ca,94621	2019.08.23 09.31.00	2019.08.23 10.15.00	2019.08.29 00.00.00	568	568	0	Other (specif y below)	Other (specif y below)	Overflowed occurred as a result of swimming pool.
861207	269803	786 Trestle Glen St., Oakland Ca,94621	2019.09.07 10.00.00	2019.09.09 22.30.00	2019.09.18 00.00.00	175 50	0	0	Paved Surfac e	Debris- Genera l	17,550 gallon's spilled from an eight inch clay pipe. The sewage overflowed from an buried manhole in the rear of the property at this address. The sewage seeped through a retaining wall on the property at this address. Debris obstructed the pipe causing the overflow.
861212	953506	2880 E.16th St. Oakland Ca,94621	2019.09.09 14.00.00	2019.09.09 14.50.00	2019.09.18 00.00.00	14	3	0	Street/ Curb and Gutter ;Unpa ved surfac e	Debris- Genera l	Fourteen gallons spilled from a manhole onto the ground and street at this location. The spilled occurred from a six inch clay pipe. Three gallons soaked into the dirt at this location. Eleven gallons was captured and returned to the collection system.
861216	387633	35th Avenue & California	2019.09.13 12.17.00	2019.09.13 17.00.00	2019.09.18 00.00.00	520	520	0	Separa te	Debris- Genera l	Sewage was captured down stream in the storm system. Storm was back flushed and

		St. Oakland Ca,94621							Storm Drain		captured, five hundred and twenty gallons was returned to the collection system.
861297	362906	9015 Golf Links Rd. Oakland Ca,94621	2019.09.14 12.20.00	2019.09.14 19.00.00	2019.09.23 00.00.00	5	0	0	Unpav ed surf ac e	Debris- Gener al	Five gallons overflowed form six inch plastic pipe on to the dirt on an easement. Five gallons soaked into the dirt at this location. Debris obstructed the pipe causing the overflow.
861336	566005	Vernon St. & Bay Place Oakland Ca,94621	2019.09.18 13.32.00	2019.09.18 13.35.00	2019.09.20 00.00.00	15	0	15	Surfac e Water	Debris- Gener al	Fifteen gallons overflowed from a manhole into a storm drain at this location. A contractor witnessed the overflow, a gentlemen named, Refugio Gonzalez, from Pacific Trenchless. The contractor service line with hand rods, the overflow went for tree minutes. General Debris obstructed the pipe causing the overflow.
861339	273983	1015 Center ST	2019.09.18 14.28.00	2019.09.18 19.00.00	2019.09.25 00.00.00	10	10	0	Other (specif y below)	Debris- Gener al	Ten gallons backed up into a bathtub at this address. General Debris obstructed the ten inch clay pipe, a four inch auger also was found in the pipe contributing to the blockage. Ten gallons overflowed into the bathtub.
861485	777043	4374 Terrbella St. Oakland Ca,94621	2019.09.23 12.15.00	2019.09.23 22.15.00	2019.09.26 00.00.00	120 0	0	0	Unpav ed surf ac e	Root Intrusi on	Twelve hundred gallons spilled from a manhole on a easement in the rear of this property. Twelve hundred gallons soaked into the dirt in the rear of this property. Tree roots obstructed the pipe causing the overflow.

861487	876454	4055 E.18th St. Oakland Ca,94621	2019.09.23 14.00.00	2019.09.23 16.15.00	2019.09.26 00.00.00	130	130	0	Paved Surface; Street/Curb and Gutter	Debris- General	In front of the residence, one hundred and thirty gallons spilled from a eight inch clay pipe on to the street, curb and gutter area. General debris obstructed the main causing the overflow. One hundred and thirty gallons was captured and returned to collections system.
861488	858355	9249 Thermal St. Oakland Ca,94621	2019.09.09 19.30.00	2019.09.09 23.30.00	2019.09.26 00.00.00	120	120	0	Unpaved surface	Debris- General	One hundred and twenty gallons overflowed from a eight inch clay pipe on to the ground. General debris obstructed the pipe causing the overflow. One hundred and twenty gallons soaked into the dirt.
861489	479354	2177 Rosedale Avenue Oakland Ca,94621	2019.09.20 07.00.00	2019.09.20 12.00.00	2019.09.26 00.00.00	600	550	0	Separate Storm Drain; Street/Curb and Gutter ;Unpaved surface	Debris- General	Six hundred gallons overflowed from two separate clean outs., 2177, and 2175 Rosedale. The main line was plugged causing the overflow to occur at both of the residences. The sewage overflowed down both driveways on to the street and gutter area. Five hundred and fifty gallons spilled into a storm inlet, Carrington Street, and Rosedale Street. Fifty gallons soaked into the dirt between both residences. Five hundred and fifty gallons was captured down stream and returned to the collection system
861673	385926	Parkhurst Dr. &	2019.09.30 09.00.00	2019.09.30 11.00.00	2019.10.11 00.00.00	180	180	0	Unpaved	Grease Deposi	One hundred and eighty gallons overflowed from an

		Saddle Brook Dr. Oakland Ca,94621							surface	tion (FOG)	eight inch clay pipe on to the ground. Grease and tree roots obstructed the pipe causing the overflow.
861675	306989	10315 E.St. Oakland Ca,94621	2019.09.27 12.30.00	2019.09.27 13.45.00	2019.10.08 00.00.00	10	10	0	Other (specify below)	Debris-Genera l	Ten gallons pooled in the driveway. Ten gallons was captured and returned to the collection system.
861771	214763	301 Pershing St. Oakland Ca,9461	2019.09.30 14.00.00	2019.10.30 17.00.00	2019.10.03 00.00.00	180	180	0	Street/Curb and Gutter	Debris-Genera l	One hundred and eighty gallons overflowed from a eight inch clay sewer main. General debris obstructed the pipe causing an overflow. One hundred and eighty gallons spilled on to the ground, one hundred and eighty gallons was captured and returned to the collection system.
861774	112443	5978 Margrigo St. Oakland Ca,94621	2019.10.01 20.00.00	2019.10.01 22.00.00	2019.10.09 00.00.00	50	50	0	Unpaved surface	Root Intrusion	Fifty gallons overflow from a six inch clay pipe. Tree roots obstructed the pipe causing the overflow. Fifty gallons spilled on to the ground at this location. Fifty gallons was captured and returned to the collection system
862043	832554	10 Wee Blytheen Oakland Ca,94621	2019.09.16 09.00.00	2019.10.07 20.30.00	2019.10.15 00.00.00	137	0	0	Unpaved surface	Root Intrusion	Two thousand gallons overflowed form a eight inch clay lamp hole. Two thousand gallons spilled onto the ground into the dirt.
862045	957053	3860 Hanly Road. Oakland Ca,94602	2019.10.08 10.00.00	2019.10.08 14.00.00	2019.10.15 00.00.00	240	0	0	Unpaved surface	Debris-Genera l	Two hundred forty gallons overflow from a manhole on to the ground at this location. General debris and tree roots obstructed the pipe causing the overflow. Two hundred and

												forty gallons soaked into the ground.
862270	698571	195 Roble Rd. Oakland Ca,94621	2019.10.16 19.30.00	2019.10.16 21.00.00	2019.10.23 00.00.00	180	180	0	Separate Storm Drain	Root Intrusion		One hundred and eighty gallons overflowed from a eight inch clay pipe down the hill into the gutter area. 40 gallons went into the storm catch basin. Staff contained the sewage in the catch basin and returned it to the sewer system.
862272	181975	3627 Virden Avenue Oakland Ca,94621	2019.10.07 15.00.00	2019.10.07 16.05.00	2019.10.23 00.00.00	89	0	0	Other (specify below)	Grease Deposition (FOG)		Sewage backed up into the downstairs shower due to the sewer main being plugged with grease and tree roots. Once blockage was cleared, bath tube relived itself.
862308	640239	642 El Dorado Avenue Oakland Ca,94621	2019.10.12 17.30.00	2019.10.12 19.00.00	2019.10.31 00.00.00	34	0	0	Paved Surface; Street/Curb and Gutter; Unpaved surface	Root Intrusion		Thirty three gallons spilled from a lateral on to the ground. Sewage soaked in to he dirt. Tree roots obstructed the pipe causing the overflow.
862357	519355	Vicksburg Avenue & Ygnacio Avenue	2019.10.07 08.30.00	2019.10.07 10.30.00	2019.10.29 00.00.00	201	201	0	Separate Storm Drain	Grease Deposition (FOG)		Two hundred and one gallons overflowed from a Man Hole. Grease was the cause of the overflow. Two hundred and one gallons was captured in the storm inlet down stream and returned to the sewer System. Staff flushed and cleaned the storm inlet and returned the gray water to the Sewer System.

862470	704340	1624 Trestle Glen Avenue, Oakland Ca,94621	2019.10.23 11.30.00	2019.10.23 15.30.00	2019.10.30 00.00.00	240	0	0	Unpaved surface	Grease Deposition (FOG)	Two hundred and forty gallons overflowed from a Man Hole on to the dirt. Two hundred and forty gallons soaked into the dirt. No sewage was captured. Grease and tree roots obstructed the pipe causing the overflow.
862561	245901	7400 Claremont Avenue Oakland Ca,94621	2019.10.26 10.00.00	2019.10.26 13.00.00	2019.10.31 00.00.00	360	0	0	Street/Curb and Gutter ;Unpaved surface	Root Intrusion	Three hundred and sixty gallons spilled from an eight inch clay pipe on to the dirt. Tree roots obstructed the pipe causing the overflow. Sewage soaked in to the dirt.
862805	176038	3632 Vinder Oakland Ca	2019.11.11 08.00.00	2019.11.11 13.42.00	2019.11.14 00.00.00	342	0	342	Other (specify below)	Root Intrusion	8" Main Sewer spilled from a Man Hole in the Creek
862808	184253	501 30th Street Oakland Ca	2019.11.11 17.00.00	2019.11.11 18.20.00	2019.11.14 00.00.00	80	80	0	Other (specify below)	Debris-Rags	Main Sewer discharged from a man Hole onto the gutter area
862827	390604	360 8th Street Oakland, Ca. 94607	2019.11.12 14.30.00	2019.11.12 18.20.00	2019.11.21 00.00.00	241	2411	0	Building or Structure;Other (specify below)	Grease Deposition (FOG)	Basement of 360 8th Street Oakland, Ca. 94607 and gutter area of same building.
862887	183154	4265 Fruitvale Ave	2019.11.12 14.00.00	2019.11.15 10.30.00	2019.11.20 00.00.00	7	4	0	Unpaved	Root Intrusion	Backyard of 4265 Fruitvale Ave Oakland, Ca. 94602

		Oakland, Ca. 94602							surf ac e		
862891	779445	9856 Springfield Street Oakland, Ca. 94603	2019.11.14 07.08.00	2019.11.14 09.10.00	2019.11.20 00.00.00	182	120	0	Unpav ed surf ac e	Grease Deposi tion (FOG)	null
863005	493969	5199 Parkridge Avenue Oakland Ca,94621	2019.11.08 13.11.00	2019.11.08 13.42.00	2019.12.03 00.00.00	8	8	0	Other (specif y below)	Pump Station Failure - Mecha nical	Eight gallons spilled from an eight inch clay pipe into a storm drain at this location. The cause of the overflow was due to pump failure. Sewage was captured and returned to the collection system.
863006	274185	7082 Broadway Terrace, Oakland Ca,94621	2019.11.16 09.30.00	2019.11.16 12.30.00	2019.12.03 00.00.00	10	0	0	Unpav ed surf ac e	Debris- Genera l	Ten gallons overflowed from a eight inch cleanout. General debris obstructed the main causing the overflow. Ten gallons soaked into the dirt at this location.
863073	696692	3000 Lakeshore Oakland, Ca. 94610	2019.11.23 11.55.00	2019.11.23 12.30.00	2019.12.02 00.00.00	175	100	0	Unpav ed surf ac e	Grease Deposi tion (FOG)	null
863218	899883	1415 57TH AV Oakland, Ca. 94621	2019.11.27 09.22.00	2019.11.27 13.50.00	2019.12.03 00.00.00	150 0	0	1500	Separa te Storm Drain	Debris- Genera l	null
863231	211289	1293 Sunnyhills rd Oakland, Ca. 94610	2019.11.26 20.10.00	2019.11.26 22.05.00	2019.12.03 00.00.00	10	0	0	Buildi ng or Struct ure	Debris- Genera l	null
863250	822199	Newton Ave and Athol Ave Oakland,Ca. 94606	2019.11.26 07.18.00	2019.11.26 09.55.00	2019.12.03 00.00.00	157 0	1570	0	Street/ Curb and Gutter	Debris- Genera l	null

863349	664231	2193 40th Ave Oakland, Ca.	2019.12.04 19.30.00	2019.12.04 20.30.00	2019.12.06 00.00.00	600	0	600	Separate Storm Drain	Debris- Rags	null
863503	669586	1108 60th Ave Oakland, Ca. 94621	2019.12.12 08.23.00	2019.12.12 11.23.00	2019.12.17 00.00.00	360	360	0	Other (specify below)	Grease Deposition (FOG)	48 inch Storm Conduit
863509	324151	1293 Sunnyhills rd Oakland, Ca	2019.12.12 17.00.00	2019.12.12 21.09.00	2019.12.13 00.00.00	996	0	996	Surface Water	Other (specify below)	Lake Merritt.
863515	470578	1075 62nd Street Oakland Ca	2019.12.05 08.30.00	2019.12.05 11.30.00	2019.12.13 00.00.00	25	0	0	Paved Surface	Debris- General	null
863662	526521	40 Eucalyptus Rd. Oakland, Ca 94705	2019.12.19 12.30.00	2019.12.19 13.20.00	2019.12.26 00.00.00	3	2	0	Building or Structure	Grease Deposition (FOG)	null
863717	110760	1932 96th Ave Oakland, Ca. 94603	2019.12.23 09.38.00	2019.12.23 11.30.00	2019.12.26 00.00.00	112 0	1120	0	Separate Storm Drain	Grease Deposition (FOG)	null
863743	280033	5533 College Ave Oakland, Ca.	2019.12.24 07.23.00	2019.12.24 09.10.00	2019.12.26 00.00.00	40	40	0	Building or Structure	Grease Deposition (FOG)	null
863805	933295	1620 40th Ave Oakland, Ca. 94601	2019.12.26 08.26.00	2019.12.26 10.05.00	2019.12.27 00.00.00	50	50	0	Paved Surface	Debris- Rags	null
863894	869206	4030 PANAMA CT.	2019.12.29 12.00.00	2019.12.29 16.30.00	2020.01.22 00.00.00	135 0	1000	350	Paved Surface; Separate	Root Intrusion	Thirteen hundred and fifty gallons overflowed from a eight inch clay pipe. The sewage spilled onto the walk

		Oakland, Ca. 94611							Storm Drain; Street/ Curb and Gutter		way into a storm inlet at this location. One thousand gallons was captured and returned to the collection system. Three hundred and fifty gallons was lost down the storm inlet.
863994	955274	3510 Broadway Oakland, Ca.94611	2019.12.31 14.30.00	2019.12.31 16.40.00	2020.01.10 00.00.00	390	350	40	Buildi ng or Struct ure	Debris- Rags	null
864099	957399	12110 Tartan Way Oakland, Ca.94619	2020.01.03 10.00.00	2020.01.06 23.00.00	2020.01.17 00.00.00	64	15	0	Paved Surfac e	Root Intrusi on	null
864133	199838	9636 Bancroft Ave Oakland, Ca	2020.01.08 15.00.00	2020.01.08 19.50.00	2020.01.17 00.00.00	30	30	0	Paved Surfac e	Grease Deposi tion (FOG)	null
864135	677152	2400 8th Ave Oakland, Ca	2020.01.06 11.00.00	2020.01.07 00.40.00	2020.01.13 00.00.00	22	0	0	Buildi ng or Struct ure	Pipe Structu ral Proble m/Fail ure	null
864136	467217	5195 Parkridge Dr. Oakland, Ca.	2019.12.30 08.10.00	2019.12.30 09.45.00	2020.01.13 00.00.00	190	190	0	Unpav ed surfac e	Pump Station Failure - Mecha nical	null
864138	701190	950 Park Lane Oakland, Ca.	2019.12.31 13.20.00	2019.12.31 17.30.00	2020.01.14 00.00.00	50	0	0	Unpav ed surfac e	Root Intrusi on	null
864145	424844	21st & Harrison Street	2020.01.02 19.51.00	2020.01.03 09.15.00	2020.01.22 00.00.00	120 0	30	1170	Other (specif y)	Grease Deposi tion (FOG)	Twelve hundred gallons overflowed from a twenty four inch clay pipe into a storm drain. Rags and heavy grease

		Oakland Ca,94621							below)		obstructed the pipe causing the overflow. Lake Merritt was affected by the spill.
864161	597833	3920 Agua Vista Ave Oakland, Ca.	2020.01.10 09.00.00	2020.01.10 12.00.00	2020.01.14 00.00.00	897	890	0	Paved Surfac e	Pipe Structu ral Proble m/Fail ure	null
864288	852276	2040 Arrowhead Oakland, Ca	2020.01.18 12.00.00	2020.01.18 15.00.00	2020.01.23 00.00.00	2	0	0	Unpav ed surfac e	Root Intrusi on	null
864297	467225	3120 Webster vStreet Oakland, Ca	2020.01.18 15.00.00	2020.01.18 17.00.00	2020.01.23 00.00.00	120	10	0	Unpav ed surfac e	Pipe Structu ral Proble m/Fail ure	null
864357	627387	Church Street and Halliday Ave Oakland, Ca.	2020.01.22 14.30.00	2020.01.22 17.12.00	2020.01.25 00.00.00	324 0	200	3040	Separa te Storm Drain	Debris- Genera l	null
864376	411137	6551 Pineheaven Oakland, Ca.	2020.01.22 14.00.00	2020.01.22 21.50.00	2020.01.25 00.00.00	141 0	0	1410	Other (specif y below)	Root Intrusi on	Temescal Creek.
864384	654780	5655 College Ave Oakland, Ca.	2020.01.21 18.30.00	2020.01.21 20.40.00	2020.01.25 00.00.00	130	130	0	Buildi ng or Struct ure	Grease Deposi tion (FOG)	null
864423	895598	7015 Halliday Ave	2020.01.27 09.20.00	2020.01.27 11.00.00	2020.01.28 00.00.00	500	200	300	Separa te	Grease Deposi	null

		Oakland, Ca. 94605							Storm Drain	tion (FOG)	
864443	159254	2nd Street & Jackson Street Oakland Ca,94621	2020.01.24 11.30.00	2020.01.24 12.29.00	2020.01.28 00.00.00	316	40	276	Street/ Curb and Gutter ;Surfa ce Water	Grease Deposi tion (FOG)	Three hundred and sixteen gallons overflowed from a ten inch clay pipe. Grease obstructed the pipe causing the overflow. Sewage went down a storm drain at this location. Staff attempted to go down stream in the storm system to capture lost sewage. High tide prevented staff from capturing lost sewage in the affected storm line.
864449	705118	2356 Church St. Oakland Ca,954621	2020.01.25 17.00.00	2020.01.25 18.15.00	2020.01.28 00.00.00	3	0	0	Unpav ed surfac e	Grease Deposi tion (FOG)	Three gallons overflowed from manhole. Swage spilled onto the dirt in the driveway.
864450	849627	102 Crest Rd. Oakland Ca,94621	2020.01.24 10.00.00	2020.01.24 12.00.00	2020.01.28 00.00.00	600	0	0	Unpav ed surfac e	Root Intrusi on	Six hundred gallons overflowed from a clean out. Tree roots obstructed the pipe causing the overflow. Sewage soaked into the dirt on the driveway.
864472	357015	1328 Wellington Ave Oakland, Ca. 94602	2020.01.27 16.00.00	2020.01.27 18.45.00	2020.02.07 00.00.00	165	50	165	Separate Storm Drain	Pipe Structu ral Proble m/Fail ure	null
864610	139466	2344 63rd. Ave. Oakland Ca,94621	2020.02.03 18.01.00	2020.02.03 19.00.00	2020.03.09 00.00.00	1	0	0	Paved Surfac e	Grease Deposi tion (FOG)	One gallon overflowed from a manhole. One gallon soaked into the street. Rags, grease, and wipes caused the blockage.
864614	332720	Aqua Vista Ave. & High Street	2020.02.03 18.30.00	2020.02.03 22.00.00	2020.02.05 00.00.00	210	0	210	Separate Storm Drain	Grease Deposi tion (FOG)	Two hundred gallons overflowed from a manhole at this location into a storm drain.

		Oakland Ca,94621										Grease and rags was the cause overflow.
864746	738016	7345 Snake Road Oakland, Ca. 94611	2020.02.07 07.45.00	2020.02.07 10.02.00	2020.02.13 00.00.00	385	0	0	Unpav ed surf ac e	Root Intrusi on		Unpaved surface.
864859	124344	3500 Mountain Blvd. Oakland Ca,94621	2020.02.12 10.00.00	2020.02.12 15.35.00	2020.03.11 00.00.00	166 0	0	1660	Separ ate Storm Drain	Root Intrusi on		Sixteen hundred and sixty gallons overflowed from an six inch slip line pipe. The blockage occurred in the barrow of the manhole. The pipe was not sealed properly causing a root infiltration in the mouth of the pipe. The sewage spilled on to the drive way, down in a storm inlet.
864874	722157	6789 Evergreen Street Oakland Ca,94612	2020.02.12 09.30.00	2020.02.12 12.00.00	2020.02.19 00.00.00	180	0	0	Unpav ed surf ac e	Root Intrusi on		Sewage soaked into the dirt on the side of the home.
864876	447607	500 West Field St. Oakland Ca,94621	2020.02.17 13.30.00	2020.02.17 22.00.00	2020.02.19 00.00.00	102 0	100	920	Street/ Curb and Gutter ;Surfa ce Water	Root Intrusi on		One thousand and twenty gallons spilled from a manhole on a eight inch sewer main. Tree roots obstructed the mouth of the pipe in the manhole. One hundred gallons was captured in the gutter line. Sand bags was used to dam up sewage. Nine hundred an twenty gallons was lost down the storm drain.
864888	217995	Thermal Street & Taylor Avenue Oakland Ca,94621	2020.02.13 07.07.00	2020.02.13 09.27.00	2020.02.19 00.00.00	700	75	625	Separ ate Storm Drain; Unpav ed	Other (specif y below)		Seven hundred gallons overflowed from a manhole at this location. Sewer leader pulled a rope with a plug out of channel. It also appeared that part of flow monitor was also

									surface		obstructing the pipe. Seventy five gallons was captured from the street curb and gutter.
864898	707234	37th Street & Martin Luther King Blvd. Oakland Ca,94621	2020.02.09 16.39.00	2020.02.09 18.45.00	2020.02.26 00.00.00	100	100	0	Separate Storm Drain; Street/Curb and Gutter	Debris- General	One hundred gallons overflowed from manhole on a eight inch sewer main. The pipe was blocked with grease and general debris. The storm line were sewage entered, was plugged down stream and hydro flushed removing spilled sewage from the storm pipe.
864994	144125	7011 Snake Rd. Oakland Ca,94621	2020.02.18 22.30.00	2020.02.19 00.00.00	2020.02.26 00.00.00	15	15	0	Paved Surface	Root Intrusion	null
864995	450869	352 Crestmont Dr. Oakland Ca,94621	2020.02.17 06.00.00	2020.02.17 09.00.00	2020.02.26 00.00.00	180	0	0	Unpaved surface	Root Intrusion	null
865013	500715	2146 Megellan Dr. Oakland Ca, 94621	2020.02.16 09.00.00	2020.02.16 10.30.00	2020.03.02 00.00.00	100	100	0	Street/Curb and Gutter ;Unpaved surface	Root Intrusion	One hundred and eighty gallons spilled from an eight inch clay pipe. Sewage spilled onto street, curb and dirt. Were sewage pooled, staff vacuumed remaining waste water. Lost sewage soaked into the dirt. Tree roots, and debris obstructed the pipe causing a overflow.
865065	594153	3500 Mountain Blvd. Oakland Ca,94621	2020.02.24 14.15.00	2020.02.24 18.15.00	2020.03.09 00.00.00	240	60	180	Paved Surface; Separate Storm Drain; Unpaved	Debris-Rags	null

									surface		
865103	123119	Martin Luther King Jr. Way and 36th Street Oakland, Ca. 94609	2020.02.25 07.30.00	2020.02.25 09.30.00	2020.03.13 00.00.00	600 0	1500	4500	Surface Water	Other (specify below)	San Francisco Bay.
865275	326469	10211 Byran Ave. Oakland Ca,94621	2020.02.25 08.30.00	2020.02.25 15.30.00	2020.03.02 00.00.00	420	30	0	Unpaved surface	Debris-Genera l	Four hundred and twenty gallons spilled from a manhole onto the grass and dirt. The clay pipe was a six inch in diameter sewer main. Spilled sewage soaked into the dirt. General debris obstructed the pipe causing the overflow.
865302	579244	82 nd Ave & Golf Links Road Oakland, Ca. 94605	2020.03.02 10.00.00	2020.03.02 11.40.00	2020.03.09 00.00.00	250 0	200	2300	Drainage Channel;Street/Curb and Gutter	Grease Deposition (FOG)	Arroyo Viejo Creek.
865313	990275	20 EVIREL PLACE Oakland, Ca. 94611	2020.02.28 08.37.00	2020.02.28 10.55.00	2020.03.09 00.00.00	13	6	0	Unpaved surface	Other (specify below)	Manhole on roadway.
865380	912260	200 Lakeside Dr. Oakland Ca,94621	2020.03.06 06.30.00	2020.03.06 08.19.00	2020.03.13 00.00.00	222 00	0	22200	Surface Water	Grease Deposition (FOG)	Twenty thousand, two hundred gallons spilled into a storm drain at, Jackson St., and Lakeside Drive. Grease obstructed the pipe causing the overflow
865395	919821	80th Ave and Plymouth Ave	2020.03.06 09.37.00	2020.03.06 11.15.00	2020.03.13 00.00.00	980	980	0	Paved Surface	Other (specify below)	Gutter area at curbside.

		Oakland, Ca.									
865412	374228	35th Avenue & California St. Oakland Ca,94621	2020.03.01 15.00.00	2020.03.01 16.30.00	2020.03.13 00.00.00	180	180	0	Street/ Curb and Gutter	Debris- Rags	Street and gutter area is were the sewage pooled.
865489	932242	427 13th Street Oakland, Ca. 94612	2020.03.09 11.00.00	2020.03.09 13.55.00	2020.03.24 00.00.00	502 2	5022	0	Buildi ng or Struct ure	Other (specif y below)	Lateral cleanouts in the basements of 427 13th Street, 1226 Broadway, and 1300 Broadway.
865578	188094	33 Mandana Cir Oakland, Ca. 94610	2020.02.21 10.00.00	2020.02.21 20.00.00	2020.03.24 00.00.00	200	0	0	Unpav ed surfac e	Pipe Structu ral Proble m/Fail ure	Unpaved ground.Lamp hole under deck area. Pipe was broken down; resulting in the overflow. Sewage soaked into the dirt.
865943	319966	809 Wallavista Oakland Ca,94621	2020.03.31 11.00.00	2020.03.31 14.30.00	2020.07.16 00.00.00	195	195	0	Street/ Curb and Gutter	Debris- Wipes/ Non- Dispers ables	One hundred and ninety five gallons overflowed from an six inch clay pipe onto the curb and gutter. Sewage was captured and vacuumed before reaching storm inlet. Baby wipes and debris obstructed the line causing the overflow.
865944	966400	6028 Aspinwall Rd. Oakland Ca,94621	2020.03.31 09.00.00	2020.03.31 10.30.00	2020.04.06 00.00.00	180	180	0	Street/ Curb and Gutter	Root Intrusi on	Tree roots obstructed pipe resulting in one hundred and eighty gallons overflowing from an eighth inch clay sewer main. Sewage spilled onto the curb and gutter area. Sewage was captured and returned to the collection system
865986	183334	3922 Wilda Avenue Oakland CA,94621	2020.04.05 10.40.00	2020.04.05 11.20.00	2020.04.22 00.00.00	200 0	0	2000	Separate Storm Drain	Grease Deposi tion (FOG)	Sewer water spilled into a storm inlet in close proximity the overflowing manhole. The storm inlet leads to, Glen Echo Creek.

866177	976565	7044 NORFOLK RD Oakland Ca 94705	2020.04.13 16.45.00	2020.04.13 18.45.00	2020.04.22 00.00.00	600	0	0	Street/ Curb and Gutter	Root Intrusi on	Final spill location was street and gutter.
866257	577531	7295 Sayre Dr. Oakland, Ca. 94611	2020.04.15 16.15.00	2020.04.15 18.15.00	2020.04.22 00.00.00	900	0	0	Paved Surfac e;Stre et/Cur b and Gutter ;Unpa ved surfac e	Root Intrusi on	Spill seeped from manhole in street onto pavement leading unpaved surface.
866267	855901	4399 Terrabella Place, Oakland, Cal.	2020.04.15 09.30.00	2020.04.15 11.45.00	2020.04.22 00.00.00	135	0	0	Other (specif y below)	Root Intrusi on	Main Sewer discharge into ground and dirt.
866268	291558	668 BROOKW OOD PL Oakland Ca 94610	2020.03.25 14.50.00	2020.03.25 16.00.00	2020.04.22 00.00.00	15	15	0	Paved Surfac e	Debris- Rags	The M/S discharged from a M/H into the gutter area.This spill destination was in the street area where it is paved.
866272	551099	796 Hillgrit Cir Oakland, Ca.	2020.04.22 09.49.00	2020.04.22 12.03.00	2020.04.24 00.00.00	134	134	0	Paved Surfac e	Grease Deposi tion (FOG)	Curb and gutter area.
866344	614361	2000 Wrenn Street Oakland, Ca. 94602	2020.04.14 15.00.00	2020.04.14 17.30.00	2020.04.24 00.00.00	750	0	0	Unpav ed surfac e	Root Intrusi on	Unpaved area around lanphole.
866441	165539	3609 Klamath Ave. Oakland CA	2020.04.23 08.15.00	2020.04.23 11.00.00	2020.04.29 00.00.00	83	0	0	Other (specif y below)	Root Intrusi on	Soaked into dirt on easement.

866465	311479	5941 Laird Ave. Oakland CA	2020.04.18 17.00.00	2020.04.21 14.30.00	2020.04.29 00.00.00	334	330	0	Other (specif y below)	Pipe Structu ral Proble m/Fail ure	Sewage was contained in basement.
866509	905483	4142 reinhardt dr	2020.04.29 17.00.00	2020.04.29 20.30.00	2020.06.05 00.00.00	105 0	0	1050	Other (specif y below)	Debris- Genera l	Lions Creek
866596	829049	872 Rosemount Rd, Oakland CA.	2020.04.28 19.00.00	2020.04.28 21.30.00	2020.05.07 00.00.00	150	0	0	Other (specif y below)	Root Intrusi on	Soaked into the ground.
866679	416115	1875 Tunnel Rd. Oakland, Ca. 94705	2020.05.07 10.55.00	2020.05.07 13.05.00	2020.05.13 00.00.00	390	0	0	Unpav ed surfac e	Root Intrusi on	Sewage soaked into the soil in the affected areas. Tree roots and sediment obstructed the a ten inch pipe causing the overflow.
866714	102686	4 Downey Pl, Oakland	2020.05.09 09.30.00	2020.05.09 13.00.00	2020.05.13 00.00.00	210	0	0	Other (specif y below)	Root Intrusi on	Hillside on the easement
866719	937979	6963 BUCKING HAM BLVD Oakland Ca, 94705	2020.05.09 10.15.00	2020.05.09 15.15.00	2020.05.13 00.00.00	60	0	0	Unpav ed surfac e	Root Intrusi on	Sanitary sewer manhole on the easement in the back yard. Sewage soaked into the soil on the easement.
866720	236437	1130 E 17th, Oakland, Ca. 94612	2020.05.08 18.30.00	2020.05.08 21.30.00	2020.05.20 00.00.00	180	180	0	Street/ Curb and Gutter	Vandal ism	Street
866756	380075	4117 E.16th ST.	2020.05.13 08.56.00	2020.05.13 11.05.00	2020.05.15 00.00.00	168	168	0	Street/ Curb	Grease Deposi	null

		Oakland CA							and Gutter	tion (FOG)	
866816	695314	6000 Broadway, Oakland	2020.05.14 16.10.00	2020.05.14 18.10.00	2020.05.19 00.00.00	5	1	0	Other (specif y below)	Debris- Wipes/ Non- Dispers ables	Sidwalk and dirt area
866830	678965	7283 Claremont Ave Oakland Ca. 94705	2020.05.15 09.34.00	2020.05.15 12.30.00	2020.05.19 00.00.00	60	0	0	Unpav ed surfac e	Root Intrusi on	Unpaved surface on easement.
866835	870629	Tunnel Rd. & Charing Cross Oakland CA	2020.05.15 10.25.00	2020.05.15 12.45.00	2020.05.19 00.00.00	525	400	0	Street/ Curb and Gutter	Root Intrusi on	Street curb and gutter.
866859	434143	90th Ave and Birch St	2020.05.16 14.45.00	2020.05.16 20.30.00	2020.05.20 00.00.00	3	3	0	Paved Surfac e	Grease Deposi tion (FOG)	Street asphalt
866882	336298	7911 bancroft ave., oakland, ca	2019.12.29 08.00.00	2019.12.29 10.00.00	2020.05.28 00.00.00	30	20	0	Street/ Curb and Gutter	Debris- Genera l	Recovered sewage in curb and gutter. Sewage also soaked in grass lawn.
866912	207058	6900 Broadway (Caldecott Field)	2020.05.20 16.30.00	2020.05.20 18.35.00	2020.05.28 00.00.00	625 0	0	6250	Surfac e Water	Root Intrusi on	Lake Temiscal
866922	564044	142 Caldecott Lane Oakland Ca,94621	2020.05.20 12.50.00	2020.05.20 15.00.00	2020.05.28 00.00.00	325 0	0	1200	Surfac e Water	Root Intrusi on	Lake Temiscal.
866926	133521	2727 Short Street Oakland, Ca. 94619	2020.05.21 09.00.00	2020.05.21 12.05.00	2020.05.28 00.00.00	90	90	0	Paved Surfac e	Grease Deposi tion (FOG)	street. and gutter area.

866946	700129	6900 Broadway (Caldecott Field)	2020.05.21 11.00.00	2020.05.21 11.30.00	2020.07.08 00.00.00	200	0	200	Separate Storm Drain	Root Intrusion	Storm inlet that lead to Lake Temiscal
867305	564023	6993 Buckingham Blvd	2020.06.09 16.50.00	2020.06.09 17.00.00	2020.06.17 00.00.00	300	300	0	Separate Storm Drain	Root Intrusion	Three hundred gallons overflowed from a lamp hole in the street, down the gutter into a storm inlet. Storm line was flushed for lost sewage.
867378	157313	8412 International Blvd. Oakland CA	2020.06.10 11.04.00	2020.06.10 13.30.00	2020.06.17 00.00.00	438	438	0	Street/Curb and Gutter	Other (specify below)	Street/ curb and gutter
867401	874167	5700 La Salle Oakland Ca	2020.06.05 10.00.00	2020.06.05 13.15.00	2020.06.17 00.00.00	15	0	0	Unpaved surface	Debris- General	It was a unpaved surface in the back yard on the easement. The Garden area.
867565	909766	1122 E 17th Street	2020.06.20 15.00.00	2020.06.20 17.00.00	2020.06.26 00.00.00	5	5	0	Street/Curb and Gutter	Grease Deposition (FOG)	Contained and vacuumed
867566	818345	9461 Spencer Street	2020.06.20 11.00.00	2020.06.20 12.58.00	2020.06.26 00.00.00	118	118	0	Street/Curb and Gutter	Grease Deposition (FOG)	Contained in gutter curbside
867601	797440	4975 Stoneridge Ct. Oakland, Ca. 94605	2020.06.19 10.30.00	2020.06.19 13.30.00	2020.06.26 00.00.00	90	0	0	Unpaved surface	Vandalism	Private backyard on easement.
867602	169015	5555 La Salle ave Oakland ca	2020.06.16 18.22.00	2020.06.17 13.30.00	2020.06.30 00.00.00	5140	4347	5140	Unpaved surface	Pipe Structural Problem/Failure	Sewage overflowed from large offset in our sewer main, some sewage soaked into the ground. The spill came from large offset in our sewer main at 5555 La Salle avenue. A bypass pump was set up with

												sand bags and plastic. The sewage spilled into a dry creek bed. The sewage never made to a flowing body of water.
867672	309291	9411 Golf Links Rd. Oakland, Ca. 94605	2020.06.12 10.00.00	2020.06.26 10.00.00	2020.07.08 00.00.00	100 800	0	75600	Surface Water; Unpaved surface	Root Intrusion	Arroyo Viejo Creek and unpaved surface around manhole on easement behind 3451 Encina Way.	
867717	202750	6969 Snake Rd	2020.06.29 14.15.00	2020.06.29 19.30.00	2020.07.17 00.00.00	157	0	0	Unpaved surface	Root Intrusion	Hillside absorbed water	
867726	615610	1350 Sunnyhills Rd. Oakland, Ca. 94610	2020.06.29 16.00.00	2020.06.29 21.31.00	2020.07.08 00.00.00	117 0	1170	0	Separate Storm Drain	Root Intrusion	From 18 storm conduit into 66' storm conduit.	
867728	571797	9931 Bernhardt Dr	2020.06.29 15.20.00	2020.06.29 22.05.00	2020.07.13 00.00.00	126 00	12575	0	Separate Storm Drain; Surface Water	Grease Deposition (FOG)	Sewage spilled into a storm inlet that ran under the 880 freeway. The storm line was full dirt and debris. The majority of the sewage was captured in the storm line. On the other side of the freeway, on the, Empire street side. There was a berm adjacent to 888 sound wall, were the remaining sewage pooled. This area function as a retention pond until the remaining sewage can be removed.	

Appendix B
Figure 4-3
Door Hanger Notice
Sample Final Notice to Abate Letter

Back Side

Front Side



CITY OF OAKLAND

**ATTENTION RESIDENT
AND/OR MERCHANT
PLEASE CONTACT US**

This notice is to inform you that our Sewer Maintenance Division will need to access your property for the following reason:

- Inspect our City main and/or structures
- Repair our City main and/or structures
- Dye-test your service lateral from inside your residence/building.
- Other:

To schedule an appointment, or for additional information on Contractors, and/or funding programs, please contact our office Mon-Fri 7:00am to 3:30pm, at (510)615-5969.

Thank you,
Crew Leader _____ Date: _____

To request service from the Public Works Department please contact our OAK311 call center by:

Phone: Call 311 from any phone within Oakland. (If you are calling from outside Oakland, continue to use the number (510) 615-5566.)

E-mail: OAK311@oaklandnet.com

Web: 311.oaklandca.gov

App: OAK 311, available free for Apple and Android smart devices (powered by SeeClickFix)

Oakland Public Works – Sewer Maintenance Division

Pursuant to Section 13.08.100 of the Oakland Municipal Code, please take the necessary steps to correct the complaint/identified defect, immediately. Failure to do so could result in a threat to public health and safety, and may result in legal and/or financial consequences.



Oakland Public Works • Design, Engineering and Construction • Right of Way Management

Sewer & Sidewalk Division • 250 Frank H. Ogawa Plaza, Suite # 4314 • Oakland, California 94612 • (510)238-3651

14 Day Notice to Abate

Date

Name

Address

Oakland, CA 94607-2225

Re: Sewer Lateral at Address, Oakland

Dear Property Owner,

You are hereby notified that under the provisions of Section 13.08.540 of the Oakland Municipal Code¹ and in the opinion of the Director of Public Works Agency, the public health, safety, and welfare require repairs to your building sewer lateral.

The dye test conducted on **date** from the caved in area of the street at **address** by the City's Sewer Maintenance Division noted that the dye did appear in the City sewer main which indicates that the private sewer lateral servicing your home is in need of repair. This is a public health hazard and must be corrected. You are required to repair or replace your building's private sewer lateral no later than **date**.

The completed repairs must restore the subject-building sewer to a watertight condition, free of breaks or separations and constructed to proper grade and alignment. An inspection must be performed by the Construction Inspector to assure that the repairs meet the code requirements.

Prior to repairing or replacing a sewer lateral, you must have a Building Sewer Inspection Permit and/or a Street Excavation Permit if the repairs are to be completed in the public right-of-way.

If you have already made the repairs please provide proof of the repairs, you may fax it to 510-238-6632.

Questions concerning this matter should be directed to Fred Loeser, Construction Inspection Supervisor, at (510) 238-6348 or email floeser@oaklandnet.com.

Sincerely,

Fred Loeser,

Supervisor, Construction Inspection

/ts

SEC. 13.08.540 EMERGENCY WORK BY CITY, NOTICE, LIABILITY FOR COST OF WORK

Whenever, in the opinion of the Director of Public Works Agency, the Public Health, safety, or welfare shall require that repairs or protective measures to a building sewer be made or instituted immediately, the Director is hereby authorized to proceed with all necessary work to abate the condition and may enter upon private property for such purposes. The City may erect and maintain all necessary barricades, warning lights, and the protective devices upon public or private property. The City will give the owner of the premises upon which the repairs are to be made, or the protective measures to be instituted, such notice, if any, and by such means as the circumstances shall permit.

The owner of the property upon which the condition exists and the person creating such condition shall be jointly and severally liable to the City of Oakland for all costs incurred by it in abating said emergency condition and erecting and maintaining said protective devices.

The cost of abating such condition shall constitute a special assessment against the real property on which said condition was abated. The special assessment shall be made in the manner set forth in Section 13.08.280 of the Oakland Municipal Code using the Notice of Lien as found in Section 13.08.330.

(As added by Ordinance No. 10877 C.M.S., passed June 23, 1987)

Appendix C
Table 4-6
Appendix H1 of Consent Decree
Oakland-Owned Facilities
For Sewer Lateral Rehabilitation

No.	Facility Name	Address	Sub-Basin No.	Parcel Number	Length (feet)	Completion Date	Remark
1	Sanborn (Carmen Flores) Recreation Center	1637 Fruitvale Ave	5601	25-722-26	346	2/19/2019	C329152-2
2	Dimond Branch Library	3565 Fruitvale Ave 94602	5602	29A-1302-14		7/1/2019	1000715-Tsk7
3	Fire Station #14	3459 Champion St	5602	28-905-13-2		7/1/2019	The facility sold.
4	Fire Station #14 Storage Building	3460 Champion St	5603	28-905-13-3		7/1/2019	The facility sold.
5	Fire Station #25	2795 Butters Dr	5606	29-1161-25	67	6/7/2019	1000715-Tsk7
6	Fire Station #25 Exercise Building	2795 Butters Dr	5606	29-1161-25	40	6/7/2019	1000715-Tsk7
7	Joaquin Miller Park-The Abbey	3082 Joaquin Miller Rd	5606	29-1200-6-3		5/9/2017	No Sewer Lateral
8	Joaquin Miller Park-Fire Circle Restroom	3540 Joaquin Miller Rd	5606	29-1200-6-3	371	5/9/2017	C329152-Task Order 1
9	Joaquin Miller Park-Sanctuary to Memory	3540 Joaquin Miller Rd	5606	29-1200-6-3	213	5/9/2017	C329152-Task Order 1

10	Joaquin Miller Community Center	3594 Sanborn Dr	5606	29-1200-6-3	216.5	5/9/2017	C329152-Task Order 1
11	Joaquin Miller Park-415 Society Trailer	3540 Joaquin Miller Rd	5606	29-1200-6-3		5/9/2017	No Sewer Lateral
12	Joaquin Miller Park-Meadow Restroom	3540 Joaquin Miller Rd	5606	29-1200-6-3		5/9/2017	Cesspool-Not connected to the City sewer system
13	Joaquin Miller Park-Shipping Container (2)	3540 Joaquin Miller Rd	5606	29-1200-6-3	363	5/9/2017	C329152-Task Order 1
14	Joaquin Miller Park-Storage	3540 Joaquin Miller Rd	5606	29-1200-6-3		5/9/2017	No Sewer Lateral
15	Joaquin Miller Park-Storage Barn	3540 Joaquin Miller Rd	5606	29-1200-6-3	50	5/9/2017	C329152-Task Order 1
16	Ranger Station	3590 Sanborn Dr	5606	29-1200-6-3	166	5/9/2017	C329152-Task Order 1
17	Sequoyah Lodge	2666 Mountain Blvd	5606	29-1200-6-3		7/1/2019	1000715-Tsk7
18	Joaquin Miller Park-Woodminster Cascades	Joaquin Miller Park, 3300 Joaquin Miller Road 94602	5606	29-1200-6-3	251	5/9/2017	C329152-Task Order 1
19	Woodminster Theater	3300 Joaquin Miller Park 94603	5606	29-1200-6-3	251	5/9/2017	C329152-Task Order 1
20	Woodminster Theater-Concession Booth	Joaquin Miller Park 94603	5607	29-1200-6-3		5/9/2017	No Sewer Lateral
21	Woodminster Theater - Restroom	3300 Joaquin Miller Rd	5606	29-1200-6-3	251	5/9/2017	C329152-Task Order 1

22	Joaquin Miller Park-PAL Cabin 1	10900 Skyline Blvd	5607	29-1200-7-3	5/9/2017	No Sewer Lateral
23	Joaquin Miller Park-PAL Cabin 2	10900 Skyline Blvd	5607	29-1200-7-3	5/9/2017	No Sewer Lateral
24	Joaquin Miller Park-PAL Cabin 3	10900 Skyline Blvd	5607	29-1200-7-3	5/9/2017	No Sewer Lateral
25	Joaquin Miller Park-PAL Cabin 4	10900 Skyline Blvd	5607	29-1200-7-3	5/9/2017	No Sewer Lateral
26	Joaquin Miller Park-PAL Cabin 5	10900 Skyline Blvd	5607	29-1200-7-3	5/9/2017	No Sewer Lateral
27	Joaquin Miller Park-PAL Cabin 6	10900 Skyline Blvd	5607	29-1200-7-3	5/9/2017	No Sewer Lateral
28	Joaquin Miller Park-Redwood Glen Restroom	10900 Skyline Blvd	5607	29-1200-7-3	5/9/2017	Cesspool-Not connected to the City sewer system
29	Joaquin Miller Park-Rotary	10900 Skyline Blvd	5607	29-1200-7-3	5/9/2017	Cesspool-Not connected to the City sewer system
30	Joaquin Miller Park-Metropolitan Horseman's Association Clubhouse	10900 Skyline Blvd	5607	29-1200-7-3	5/9/2017	Cesspool-Not connected to the City sewer system
31	Joaquin Miller Park-Rotary Day	10900 Skyline Blvd	5607	29-1200-7-3	5/9/2017	Cesspool-Not connected to the City sewer system
32	Joaquin Miller Park-Rotary Day Camp	10900 Skyline Blvd	5607	29-1200-7-3	5/9/2017	Cesspool-Not connected to the City sewer system
33	Joaquin Miller Park-Sequoia Arena Restroom	10900 Skyline Blvd	5607	29-1200-7-3	5/9/2017	Cesspool-Not connected to the City sewer system

34	Joaquin Miller Park-Siniwak Cabin	10900 Skyline Blvd	5607	29-1200-7-3		5/9/2017	Cesspool-Not connected to the City sewer system
35	San Antonio Park Head Start Center	1701 East 19th St	6003	20-295-1	1,037	7/1/2019	1000715-Tsk7
36	San Antonio Recreation Center	1701 East 19th St	6003	20-295-1		7/1/2019	1000715-Tsk7
37	Manzanita Head Start Center	2701 – 22nd Ave	6008	22-364-21		7/1/2019	1000715-Tsk7 No lateral
38	Manzanita Head Recreation Center	2701 – 22nd Ave	6008	22-364-21	40	7/2/2019	1000715-Tsk7
39	Union Point - South Parking Lot (haz mat under pavement)	2311 Embarcadero	6103	18-505-1		4/9/2019	No sewer lateral (C329152-2)
40	Union Point - Union Hill (haz mat under hill)	2311 Embarcadero	6103	18-505-1		4/9/2019	Facility connect directly on top of 6" sewer main. The sewer is in a fair condition and no repair is needed. (C329152-2)
41	Animal Shelter (new)	1101 – 29th Ave	6202	25-880-1-6 (19-0093-016-02)	151	2/14/2019	Replaced all laterals and did not receive the EBMUD PSL certificate because another facility is in the same parcel but it is not part of Appendix H1 locations list (C329152-2).
42	Peralta House	2465 – 34th Ave	80022	27-878-2	25	4/9/2019	C329152-2
43	Coolidge House	2496 Coolidge Ave	80022	27-878-1	88	4/9/2019	C329152-2
44	Peralta Hacienda	2500 - 34th Ave 94601	80022	27-878-2	20	4/9/2019	C329152-2

	Park-Community Center						
45	Peralta Hacienda Park-House	2465 34th Ave	80101	27-899-1	173	4/9/2019	C329152-2
46	Peralta Hacienda Park-Restroom	2465 34th Ave	80101	27-899-1	56	4/9/2019	C329152-2
47	55th Avenue Head Start Center	1800 55th Ave	82004	38-3228-5-1		4/8/2019	No Sewer lateral. (C329152-2)
48	Fremont Pool and Building	4550 Foothill Blvd 94601	82004	35-2401-2	37	4/18/2019	C329152-2
49	Fremont Pool -Locker Rooms & Mechanical Room	4550 Foothill Blvd 94601	82004	35-2401-2	35	4/18/2019	C329152-2
50	Melrose Branch	4805 Foothill Blvd 94601	82004	35-2384-1	30	4/10/2019	C329152-2
51	Fire Station #18	1700 – 50th Ave	82005	35-2386-18	25	4/18/2019	C329152-2
52	Rainbow Teen Center	5818 International Blvd	83002	38-3234-12-3	14	3/13/2019	C329152-2
53	Rainbow Recreation Center	5800 International Blvd 94621	83201	38-3234-7-1	10	3/13/2019	C329152-2
54	Burkhalter Park-Restroom	4060 Edwards Ave	83404	40A-3441-36-5	145	6/25/2019	1000715-Tsk7
55	McCrea Park Residence and Restroom	4460 Shepherd St	83501	37-2605-87	50	5/20/2019	1000715-Tsk7
56	McCrea Park-Fly Casting Pools	4460 Shepherd St 94619	83501	37-2605-87		7/1/2019	1000715-Tsk7 No lateral
57	Redwood Heights Rec Center	3883 Aliso Ave 94619	83501	30-1869-58-3	360	7/1/2019	1000715-Tsk7

58	Leona Lodge	4444 Mountain Blvd	83502	37-2605-90	265	6/17/2019	1000715-Tsk7
59	81st Avenue Branch Library	1021 81st Ave	84003	41-4211-1-3	63	12/10/2018	Replaced all laterals and did not receive the EBMUD PSL certificate because another facility is in the same parcel but it is not part of Appendix H1 locations list (C329152-2).
60	Carter Gilmore Park - New Restroom	1390 – 66th Ave	84191	41-4132-15-3	112	10/31/2018	Replaced all laterals and did not receive EBMUD PSL certificate because a 8" sewer main in this parcel needs to be tested in order to get the PSL for the whole parcel (C329152-2).
61	Fire Station #29	1016 – 66th Ave	84101	41-4062-12	42	11/15/2018	C329152-2
62	Fire Station #29 Garage	1016 – 66th Ave	84101	41-4062-12	42	11/15/2018	C329152-2
63	Martin Luther King Branch Library	6833 International Blvd 94621	84101	41-4132-15-1	52	11/9/2018	C329152-2
64	Officer Willie Wilkins Park - Restroom	9710 C Street	85202	44-4981-9	139	12/14/2018	C329152-2
65	Fire Station #20	1401 – 98th Ave	85205	46-5424-26	90	11/21/2018	C329152-2
66	Elmhurst Branch Library	1427 – 88th Ave 94621	85211	43-4580-8	65	12/13/2018	C329152-2
67	Dunsmuir House-Barn	2960 Peralta Oaks Ct	85231	48-5658-3-2			In construction (1000715-Tsk9)
68	Dunsmuir House-Carriage House	2960 Peralta Oaks Ct	85231	48-5658-3-2	240	11/4/2019	(1000715-Tsk7)

69	Dunsmuir House-Chauffeur's house	2960 Peralta Oaks Ct	85231	48-5658-3-2			In construction (1000715-Tsk9)
70	Dunsmuir House-Chicken Coop	2960 Peralta Oaks Ct	85231	48-5658-3-2			In construction (1000715-Tsk9)
71	Dunsmuir House-Dinkelspiel House	2960 Peralta Oaks Ct	85231	48-5658-3-2	325	11/4/2019	(1000715-Tsk7)
72	Dunsmuir House-Gardener's House	2960 Peralta Oaks Ct	85231	48-5658-3-2			In construction (1000715-Tsk9)
73	Dunsmuir House-Mansion	2960 Peralta Oaks Ct	85231	48-5658-3-2			In construction (1000715-Tsk9)
74	Dunsmuir House-Milk House	2960 Peralta Oaks Ct	85231	48-5658-3-2			In construction (1000715-Tsk9)
75	Dunsmuir House - Pavilion	2958 Peralta Oaks Ct	85231	48-5658-3-2			In construction (1000715-Tsk9)
76	Dunsmuir House-Restroom	2960 Peralta Oaks Ct	85231	48-5658-3-2			In construction (1000715-Tsk9)
77	Dunsmuir House-Ticket Boot	2960 Peralta Oaks Ct	85231	48-5658-3-2			In construction (1000715-Tsk9)
78	Lake Chabot-Clubhouse	near 11450 Golf Links Rd	85231	48-5813-3-4	24	11/15/2019	(C329152-2)
79	Lake Chabot-Fromer Cartaker's Mobile Home	near 11450 Golf Links Rd	85231	48-5813-3-4	926	8/8/2019	(C329152-2)
80	Lake Chabot-Maintenance Building A	near 11450 Golf Links Rd	85231	48-5813-3-4	50	7/23/2019	(C329152-2)

81	Lake Chabot-Maintenance Building B	near 11450 Golf Links Rd	85231	48-5813-3-4		11/15/2019	(C329152-2) No Sewer Lateral
82	Lake Chabot-Maintenance Building C	near 11450 Golf Links Rd	85231	48-5813-3-4		11/15/2019	(C329152-2) No Sewer Lateral
83	Lake Chabot-Maintenance Building D	near 11450 Golf Links Rd	85231	48-5813-3-4		11/15/2019	(C329152-2) No Sewer Lateral
84	Lake Chabot-Maintenance Building E	near 11450 Golf Links Rd	85231	48-5813-3-4		11/15/2019	(C329152-2) No Sewer Lateral
85	Lake Chabot-Maintenance Building F	near 11450 Golf Links Rd	85231	48-5813-3-4		11/15/2019	(C329152-2) No Sewer Lateral
86	Lake Chabot-Restroom #1	near 11450 Golf Links Rd	85231	48-5813-3-4	478	7/26/2019	(C329152-2)
87	Lake Chabot-Restroom #2	near 11450 Golf Links Rd	85231	48-5813-3-4	30	11/15/2019	(C329152-2)
88	Lake Chabot-Restroom #3	near 11450 Golf Links Rd	85231	48-5813-3-4	91	11/15/2019	(C329152-2)
89	Lake Chabot-Sewer Pump Station	near 11450 Golf Links Rd	85231	48-5813-3-4		11/15/2019	(C329152-2) No Sewer Lateral
90	Lake Chabot-Snack Bar	near 11450 Golf Links Rd	85231	48-5813-3-4		11/15/2019	(C329152-2) No Sewer Lateral
91	Sheffield Village Rec Center	247 Marlow Dr 94605	85231	48-6140-1			In construction (1000715-Tsk9)
92	Columbian Gardens Tot Lot	Heskett Rd & Empire Rd	86001	45-5322-30 (08-02)	77	4/12/2019	C329152-2
93	Ira Jinkins (Brookfield) Rec Center	9175 Edes Ave 94603	86002	44-5053-1-6	376	12/21/2018	See East Oakland Sports Center Complex (C329152-2).

94	East Oakland Sports Center Complex	9175 Edes Ave	86002	44-5053-1-6	116	1/23/2019	Replaced all laterals and did not receive the EBMUD PSL certificate because Brookfield-Senior Center is in the same parcel as Sport Center Complex but it is not part of Appendix H1 locations list (C329152-2).
95	Spunkmeyer Field Restroom	Harbor Bay Pkwy & Doolittle Dr	87001	42-4404-11-2	168	1/30/2019	Replaced the upper lateral. Inspected the lower lateral (8" sewer main) and found it is in a fair condition. No repair is needed (C329152-2).

Annual Report FY 2019-20 Final

Final Audit Report

2020-09-22

Created:	2020-09-22
By:	Mach Jimmy (jmach@oaklandca.gov)
Status:	Signed
Transaction ID:	CBJCHBCAABAAC3nOjb3k5-AsmuP5cTMjNzthr_dsp7qg

"Annual Report FY 2019-20 Final" History

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2020-09-22 - 7:14:56 PM GMT- IP address: 76.14.117.202
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2020-09-22 - 7:17:04 PM GMT
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2020-09-22 - 7:18:24 PM GMT- IP address: 135.180.89.142
-  Document e-signed by Matthew Lee (MLee3@oaklandca.gov)
Signature Date: 2020-09-22 - 7:18:35 PM GMT - Time Source: server- IP address: 135.180.89.142
-  Document emailed to Richard Battersby (rbattersby@oaklandca.gov) for signature
2020-09-22 - 7:18:37 PM GMT
-  Email viewed by Richard Battersby (rbattersby@oaklandca.gov)
2020-09-22 - 7:21:22 PM GMT- IP address: 209.232.103.86
-  Document e-signed by Richard Battersby (rbattersby@oaklandca.gov)
Signature Date: 2020-09-22 - 7:21:45 PM GMT - Time Source: server- IP address: 209.232.103.86
-  Document emailed to David Ferguson (DFerguson@oaklandca.gov) for signature
2020-09-22 - 7:21:47 PM GMT
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2020-09-22 - 10:36:17 PM GMT- IP address: 209.232.103.85
-  Document e-signed by David Ferguson (DFerguson@oaklandca.gov)
Signature Date: 2020-09-22 - 10:36:28 PM GMT - Time Source: server- IP address: 209.232.103.85
-  Agreement completed.
2020-09-22 - 10:36:28 PM GMT