

# **CITY OF INDUSTRY SEWER SYSTEM MANAGEMENT PLAN**



**2019**  
Updated July 2023

## TABLE OF CONTENTS

	PAGE
<b>INTRODUCTION.....</b>	<b>1</b>
<b>CHAPTER 1 – GOALS AND ACTIONS</b>	
1.1    Goals .....	2
1.2    Actions.....	2
<b>CHAPTER 2 – DESCRIPTION OF THE ORGANIZATION</b>	
2.1    Management .....	3
2.2    Authorized Representative .....	3
2.3    Organization Chart and Responsibilities.....	3
2.3.1a    City of Industry Organization Chart for Sanitary Sewer System Management .....	4
2.3.1b    Sewer Maintenance Districts Organization Chart.....	5
2.3.1c    Names and Telephone Numbers from the Organization Chart .....	6
2.3.2    Description of Responsibilities .....	8
2.3.3    City of Industry Divisions/Departments and Other Agencies .....	9
2.3.4    Chain of Communication for Sanitary Sewer Overflow Reporting .....	10
2.3.4a    Sanitary Sewer Overflow Reporting Procedures Flow Chart .....	11
2.3.5    Contact Directory for Sanitary Sewer Overflow Responding and Reporting .....	12
<b>CHAPTER 3 – LEGAL AUTHORITY</b>	
3.1    Legal Authority .....	13
3.1.1    Legal Authority to Prevent Illicit Discharges into the Sanitary Sewer System.....	13
3.1.2    Legal Authority to Require that Sewers and Connections be Properly Designed and Constructed .....	14
3.1.3    Legal Authority to Ensure Access for Maintenance, Inspection, or Repairs .....	14
3.1.4    Legal Authority Limiting the Discharge of Fat, Oil, and Grease and Other Debris that May Cause Blockage .....	14
3.1.5    Legal Authority to Enforce any Violation of Sewer Ordinances.....	15

## **CHAPTER 4 – OPERATION AND MAINTENANCE PROGRAM**

4.1	Preventive Maintenance Program .....	16
4.1.1	Sewer Line and Manhole Inspection .....	16
4.1.2	Gas Trap Manholes and Siphons.....	16
4.1.3	Drop Manholes.....	16
4.1.4	Sewer Line Cleaning .....	17
4.1.5	Vermin and Rodent Control.....	17
4.1.6	Sewage Pump Stations.....	17
4.1.7	Work Schedules .....	17
4.1.8	City of Industry Sewer Mapping System .....	17
4.2	Rehabilitation and Replacement Plan.....	17
4.2.1	Accumulative Capital Outlay Program of the Consolidated Sewer Maintenance District .....	18
4.2.2	Condition Assessment Program.....	18
4.3	Equipment Maintenance and Replacement Policy .....	19
4.4	Training for Field Operations Personnel and Contractors.....	19

## **CHAPTER 5 – DESIGN AND PERFORMANCE PROVISION**

5.1	Design and Construction Standards and Specifications .....	20
5.2	Procedures and Standards for Inspection and Testing of New and Rehabilitated Collection Sewer Facilities.....	20

## **CHAPTER 6 – OVERFLOW EMERGENCY RESPONSE PLAN**

6.1	Overflow Response Procedure.....	21
6.1.1	Regulatory Agencies Notification and Time Frame .....	21
6.1.1a	Regulatory Agencies Notification and Time Frame Table .	22
6.1.1b	Agency Telephone Numbers.....	23
6.1.2	Procedure to Ensure that Staff and Contractors are Aware and Appropriately Trained to Follow the Emergency Response Plan.....	24
6.1.3	Procedure to Address Emergency Operations such as Crowd Control and Other Necessary Response Activities	24
6.1.4	Program to Eliminate or Minimize the Discharge of Sanitary Sewer Overflows into Surface Water .....	24

## **CHAPTER 7 – FAT, OIL, AND GREASE CONTROL PROGRAM**

7.1	Public Education Outreach Program .....	25
7.2	Disposal Methods for Fat, Oil, and Grease Generated within the City of Industry' Sanitary Sewer System.....	25
7.3	Legal Authority to Prohibit Discharges to the System and Identify Measures to Prevent Sanitary Sewer Overflows and Blockages Caused by Fat, Oil, and Grease .....	25
7.4	Requirement to Install Grease-Removal Devices, Design Standards for Grease-Removal Devices, Maintenance Requirements, Best Management Practices Requirements, Recordkeeping, and Reporting Requirements.....	25
7.5	Authority to Inspect Grease-Producing Facilities, Enforcement Authorities, and Evidence of Adequate Staffing to Inspect and Enforce the Fat, Oil, and Grease Ordinance .....	26
7.6	Cleaning Schedule for Identified Fat, Oil, and Grease-Prone Sewer Segments .....	26

## **CHAPTER 8 – SYSTEM EVALUATION AND CAPACITY ASSURANCE PLAN**

8.1	System Evaluation and Capacity Assurance Plan.....	27
8.2	Adequate Capacity and Correct Design .....	27
8.3	Capacity Enhancement Plan .....	27

## **CHAPTER 9 – MONITORING, MEASUREMENT, AND MODIFICATION PROGRAM**

9.1	Monitoring.....	28
9.2	Sewer System Management Plan Program Effectiveness Evaluation.....	28
9.3	Program Modification.....	28
9.4	Sanitary Sewer Overflow Location Mapping and Trends.....	28

## **CHAPTER 10 – SEWER SYSTEM MANAGEMENT PLAN PROGRAM AUDIT AND CERTIFICATION**

10.1	Sewer System Management Plan Program Audit .....	29
10.2	Sewer System Management Plan Certification .....	29
10.3	Sewer System Management Plan Modification and Recertification	29

## **CHAPTER 11 – COMMUNICATION AND SEWER SYSTEM MANAGEMENT PLAN AVAILABILITY**

11.1	Communication .....	30
11.2	Sewer System Management Plan Availability .....	30

**CHAPTER 12 – CONSOLIDATED SEWER MAINTENANCE DISTRICT AND  
CITY OF INDUSTRY RESPONSIBILITIES UNDER THE  
STATEWIDE GENERAL WASTE DISCHARGE  
REQUIREMENTS**

12.1	Consolidated Sewer Maintenance District vs. City of Industry Responsibilities .....	31
12.2	County of Los Angeles Public Works Sewer-Related Services to the 37 Consolidated Sewer Maintenance District Cities .....	32
12.3	Roles of the Consolidated Sewer Maintenance District and Cities under the Statewide General Waste Discharge Requirements .....	33

## **APPENDIX**

- Appendix A      Waste Discharge Requirements
- Appendix B      Location Map of Sewer Maintenance Districts Yards & Pump Stations
- Appendix C      Inventory of Sewer Maintenance Districts Equipment
- Appendix D      Inventory of City of Industry Collection Facilities
- Appendix E      Condition Assessment Work Schedule
- Appendix F      Sewer Maintenance Productivity Reports
- Appendix G      Sanitary Sewer Overflow Data

## ABBREVIATIONS/ACRONYMS

ACO	Accumulative Capital Outlay Program
CADD	Computer Aided Design and Drafting
CIWQS	California Integrated Water Quality System
CCTV	Closed-Circuit Television
CMCs	City Municipal Codes
CSMD	Consolidated Sewer Maintenance District
Districts	Sewer Maintenance Districts
FOG	Fat, Oil, and Grease
GIS	Geographic Information System
I/I	Infiltration Inflow
LACPW	County of Los Angeles Public Works
LACO TITLE 20	Los Angeles County Code Title 20 – Utilities
LACO TITLE 28	Los Angeles County Plumbing Code – Title 28
MMS	Maintenance Management System
RWQCB	Regional Water Quality Control Board
SMD	Sewer Maintenance Division
SO&M	Sewer Operation and Maintenance
SSMP	Sewer System Management Plan
SSOs	Sanitary Sewer Overflows
SU	Sewage Unit
SWRCB	State Water Resources Control Board
WDRs	Waste Discharge Requirements

## DEFINITIONS

**Geographical Information System (GIS)** – A spatial database system that is used to capture, store, display, and analyze information which includes various layers used by government officials. Examples of information found on a GIS database include feature layers for a sewer map such as sewer pipes, sewer manholes, etc. These feature layers would include information such as the pipe diameter, pipe material, pipe condition, and last date cleaned or repaired. DPW's GIS also contains base information such as streets and parcels.

**Infiltration/Inflow (I/I)** – Infiltration is generally considered to be extraneous water that enters the sewer system over longer periods of time such as groundwater seepage through cracks in the sewer. Inflow is generally considered to be extraneous water that enters the system as a direct result of a rain event such as through defects in the sewer. While it is impossible to control all I/I, it is certainly desirable to reduce I/I when cost-effective.

**Lateral** – The portion of sewer that connects a home or business with the mainline in the street.

**Stoppage** – A buildup of debris in the sewer, which stops the flow of wastewater and allows the water to back up behind the stoppage, sometimes causing an overflow. Also called blockage.

**Blockage** – A buildup of debris in the sewer, which stops the flow of wastewater and allows the water to back up behind the stoppage, sometimes causing an overflow. Also called a stoppage.

**Wastewater Collection System** – All pipelines, pump stations, and other facilities upstream of the headworks of the wastewater treatment plant that transport wastewater from its source to the wastewater treatment plant.

# **CITY OF INDUSTRY**

## **SEWER SYSTEM MANAGEMENT PLAN (SSMP)**

### **INTRODUCTION**

On May 2, 2006, the State Water Resources Control Board (SWRCB) adopted Statewide General Waste Discharge Requirements (WDRs) and a Monitoring and Reporting Program (MRP) for sanitary sewer systems by issuing Order No. 2006-0003 and Order No. 2013-0058EXEC (revised) respectively (Appendix A). The regulations in the order were in response to growing public concern about the water quality impacts of sanitary sewer overflows (SSOs), particularly those that cause beach closures, adversely affect other bodies of water, or pose serious health and safety or nuisance problems.

Two major components of the WDRs require the following:

- (1) The owners/operators of publicly owned sewer collection systems, a mile long or greater, must apply for coverage under the WDRs.
- (2) The owners/operators must develop and implement a Sewer System Management Plan (SSMP) specific to the sanitary sewer system.

In accordance with the first element of the WDRs, the City of Industry (City) filed a Notice of Intent Application form with the SWRCB on October 26, 2006. The City subsequently received a Username and Password for electronic access to the California Integrated Water Quality System (CIWQS) database. Within the database-reporting program, the City completed a "collection system questionnaire" and must continually file all subsequent updates and all required SSO reporting.

In compliance with the second element, this document was prepared to meet the objectives contained in the WDRs order. The County of Los Angeles Consolidated Sewer Maintenance District (CSMD) provides operation and maintenance services for the City's sewer facilities; therefore, some components of the City's SSMP may be similar to those of the Sewer Maintenance Districts (Districts). This document is divided into 12 chapters, which closely align with the respective provisions contained in the WDRs. Every section or subsection of each chapter addresses one of the key elements of the SSMP directive.

This document, in conjunction with other existing agency programs referenced herein, constitute the City's SSMP. By implementing the procedures contained in this SSMP, the occurrence of SSOs should be minimized to the greatest extent practicable throughout the City's sanitary sewer collection system.

## CHAPTER 1

### GOALS AND ACTIONS

#### 1.1 Goals

The goals of this SSMP are to ensure the following:

1. The City's sanitary sewer collection system is properly operated, maintained, and managed to reduce the frequency and severity of sanitary sewer overflows (SSOs) and their potential impacts on public health, safety, and the environment.
2. When SSOs occur, prompt action is taken to identify, contain, remove the cause, promptly report the event to appropriate regulatory authorities, and the public is adequately and timely notified
3. All SSOs, system deficiencies, and remedial actions taken are well documented.
4. The City's sewer system contractors, responders, and other agents are adequately trained and equipped to address an SSO event.
5. The City's sewer system is designed, constructed, and funded to provide adequate capacity to convey base and peak flows while meeting or exceeding applicable regulations, laws, and the generally accepted practices relative to sanitary sewer system operation and maintenance.

#### 1.2 Actions

The actions to be taken to satisfy the SSMP are as follows:

1. Conduct a planned and scheduled maintenance program that will minimize the risk and occurrence of SSOs, in support of the SSMP goals.
2. When SSOs do occur, respond to the reported site in a timely manner and undertake feasible remedial actions to contain the overflow impacts, including stopping the flow from reaching the storm drain, if possible.
3. Stop the overflow as soon as possible and limit public access to the overflow area to prevent public contact with any wastewater contamination.
4. Completely recover the overflow and return it to the sewer system and then clean up the contaminated area.

5. Gather and compile all pertinent information regarding the overflow event, investigate as necessary to determine probable cause, document findings, report to the appropriate regulatory agencies in a timely manner, and file the completed report.

## CHAPTER 2

### DESCRIPTION OF THE ORGANIZATION

#### 2.1 Management

The City's Public Works Department manages the sanitary sewer collection system, which serves 440 residents (2017 California Department of Finance Estimate), a daily population of over 60,000 people and consists of about 48 miles of gravity sewer lines. The City's local sewers discharge into the Sanitation Districts of Los Angeles County facilities for conveyance, treatment, and disposal.

The City is responsible for the budgeted management positions directly involved in sewer system responsibilities. The field operation and maintenance services are fulfilled by utilizing the services provided by the CSMD, which is managed by the County of Los Angeles Public Works (LACPW). The distribution of the City's personnel and the contracted services are depicted in the organization chart presented in Section 2.3.1.a of this plan.

These personnel, in collaboration with LACPW personnel, administer the City's sewer collection system operation, provide engineering evaluation of proposed and existing sewer facilities, administer preventive maintenance and sewer construction programs, and oversee the maintenance of sewer collection system facilities and related records and plans.

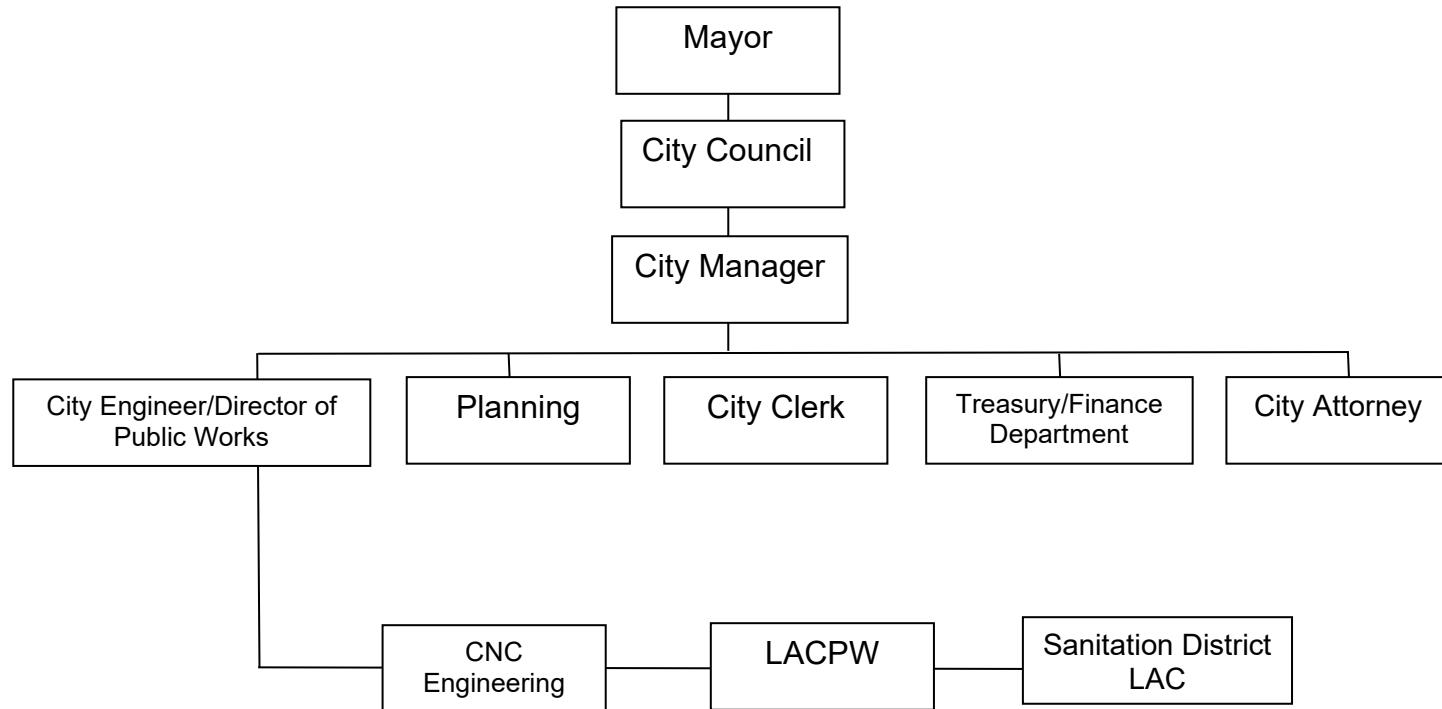
#### 2.2 Authorized Representative

The City Manager, the Assistant City Manager, and the Engineering Manager, in concert with designated LACPW staff, are the authorized representatives responsible for the execution of compliance actions required under the WDRs. This includes, but is not limited to, execution and certification of all reports and correspondence as required under the Order.

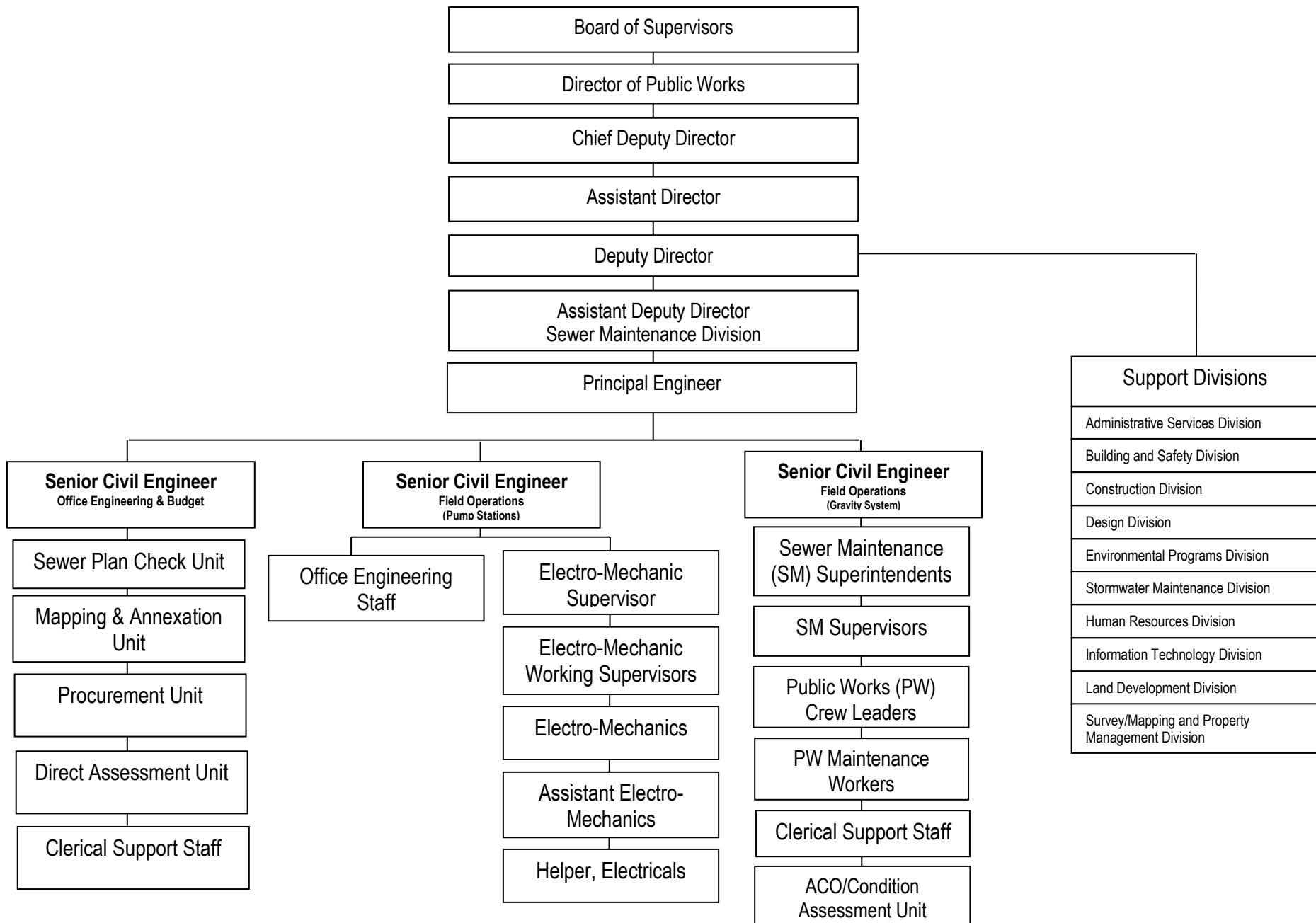
#### 2.3 Organization Chart and Responsibilities

The organization chart showing the structure and relationship of the City and LACPW administrative, management, and field positions relative to Sewer Operation and Maintenance (SO&M) is presented in Sections 2.3.1.a, 2.3.1.b, and 2.3.1.c, respectively, and the descriptions of responsibilities and support are presented in Sections 2.3.2 and 2.3.3.

### 2.3.1.a City of Industry Organization Chart for Sanitary Sewer System Management



### 2.3.1.b Los Angeles County Sewer Maintenance Division Organization Chart



### 2.3.1.c ORGANIZATIONAL CHART WITH NAMES AND PHONE NUMBERS

#### INDUSTRY

Name	Title	Telephone Number
Joshua Nelson	City Manager	(626) 333-2211
Cory Moss	Mayor	(626) 333-2211
Cathy Marcucci	Mayor Pro Tem	(626) 333-2211
Mark Radecki	Council Member	(626) 333-2211
Newell Ruggles	Council Member	(626) 333-2211
Michael Greubel	Council Member	(626) 333-2211
Mathew Hudson	Engineering Manager	(626) 333-2211
Bing Hyun	Assistant City Manager	(626) 333-2211
Julie Gutierrez-Robles	City Clerk	(626) 333-2211
Elise Calvo	City Treasurer	(626) 333-2211
James M. Casso	City Attorney	(626) 269-2980
Dina Lomeli	Contract City Planning Dept	(626) 333-2211
Sean Calvillo, P.E.	Operations Manager/CNC Engineering	(626) 333-0336

## SEWER MAINTENANCE DISTRICTS

Board of Supervisors		
Public Works		
Mark Pestrella	Director	(626) 458-4001
Angela R. George-Moody	Chief Deputy Director	(626) 458-4003
Colby Skye	Deputy Director	(626) 458-4016
Sewer Maintenance Division		
Vacant	Assistant Deputy Director	(626) 300-3304
Martin Moreno	Principal Engineer	(626) 300-3312
Robert Swartz	Senior Civil Engineer	(626) 300-3382
Alex Villarama	Senior Civil Engineer	(626) 300-3374
Jeff Bouse	Senior Civil Engineer	(626) 300-3373
Electro-Mechanics		
East and Central Pumping Operations		
George Modlin	EM Working Supervisor	(626) 446-3271 and (562) 941-7011
North/West Pumping & Treatment Plant Mechanical Operations		
Alfredo Duran	EM Working Supervisor	(661) 222-2569
South Pumping Operations		
William Martinez	EM Working Supervisor	(323) 233-2015
Field Offices		
Central Yard		
Chris Pena	SM Superintendent	(562) 941-7011
East Yard		
James Pryor	SM Superintendent	(626) 446-5227
South Yard		
Paul Bradford	SM Superintendent	(323) 233-3330
North Yard and Santa Clarita Sub Yard		
Tim Bohannon	SM Superintendent	(661) 942-6042
Lawndale Sub Yard		
Capice Simms	SM Superintendent	(310) 679-2550
Support Divisions		
Administrative Services Division		
Alma D. Martinez	Admin Deputy Director	(626) 458-4078
Building and Safety Division		
Juan Madrigal	Asst. Deputy Director	(626) 458-6385
Project Management Division III		
Lance Grindle	Asst. Deputy Director	(626) 458-3100
Design Division		
Hector Bordas	Asst. Deputy Director	(626) 458-7800
Environmental Division		
Emiko Thompson	Asst. Deputy Director	(626) 458-3500
Stormwater Maintenance Division		
Jolene Guerrero	Asst. Deputy Director	(626) 458-4145
Human Resources Division		
Jeff Howard	Division Chief	(626) 458-2100
Information Technology Division		
Patrick Anderson	Division Chief	(626) 458-4108
Land Development Division		
Art Vander Vis	Asst. Deputy Director	(626) 458-4900
Survey/Mapping & Property Management Division		
Greg Even	Asst. Deputy Director	(626) 458-7000

### **2.3.2 Description of Responsibilities**

The description of responsibilities or roles of each position, as related to SSOs, are as follows:

- City Council – Responsible for establishing new and amending existing ordinances and policies governing the municipal operations and the operation of the City's sanitary sewer system, including the approvals of all SO&M contracts and agreements, to protect the community's interest.
- City Manager – Responsible for the overall management and application of all legal and policy directives that relate to the City's activities, including the operation and maintenance of the City's sanitary sewer system.
- Director of Public Works/City Engineer – Implements City policy within the scope of the City Council's direction and legal requirements, directs policy execution, and evaluates work accomplished by the City. Assists with the development and enactment of new ordinances; and directs the enforcement of Plumbing Codes involving illegal connections, upkeep of sewer laterals, and the design and construction of new and rehabilitation of existing sewer collection systems.
- As necessary, the Director of Public Works/City Engineer manages or performs the following duties:
  - Directs emergency sewer repair activities, special studies, investigations, and reports concerning the City's sewer infrastructure.
  - Directs studies, investigations, and the preparation of reports, budget, and contractual agreements with other organizations for the City's sewer system.
  - Oversees office engineering, clerical, and field operation and maintenance staff.
- The Director of Public Works/City Engineer will have authority to make future revisions to this SSMP as this plan is an evolving document subject to future field conditions. However, if the revisions to the SSMP are significant, the updated document will be brought to the City Council for approval.

### **2.3.3 City Divisions/Departments and Other Agencies**

Other Departments or Divisions within the City and specific contracted services, including L.A. County, are currently and will continue to be responsible for carrying out some of the compliance actions called for by the WDRs for the City. The key support units and their responsibilities are described below:

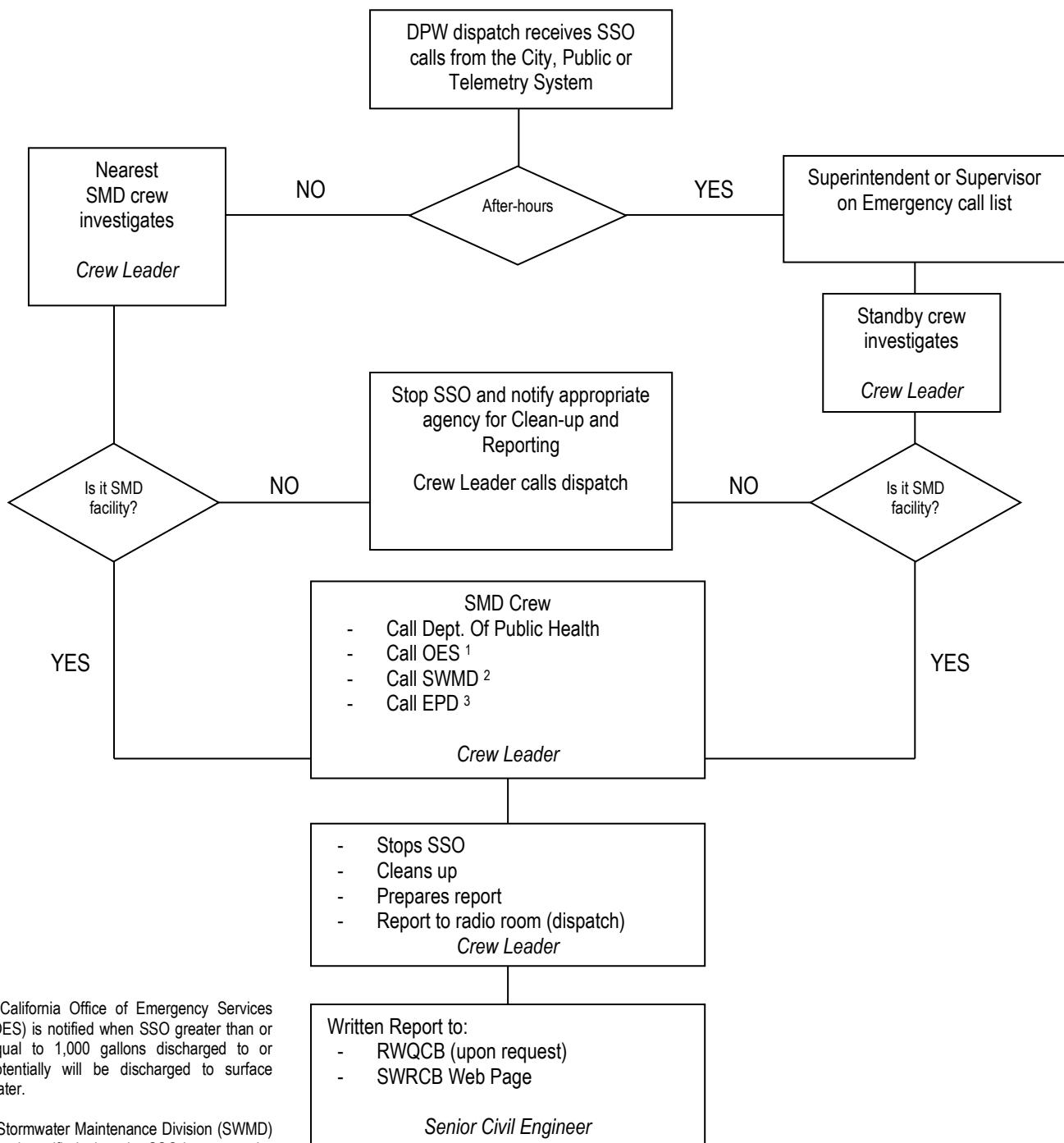
- Administrative Services Department (L.A. County) – Responsible for procuring equipment and as-needed contract services for emergency sewer repair projects; printing and mailing of public education outreach program materials; procuring materials and supplies needed for the day-to-day operation and maintenance activities; accounting services; and training of personnel. Also responsible for investigating SSO-related claims and litigations against the City.
- Building and Safety Division (L.A. County) – Responsible for reviewing various building permit applications, their relationship to public easements and facilities, and issuing permits for sewer connections. Also, the enforcement of Plumbing Codes involving proper connection and discharge into the public sewer system and the property owner's maintenance of their respective sewer laterals between the structure served and the public mainline sewer.
- Construction Division (L.A. County) – Responsible for administrating the City's sewer rehabilitation and reconstruction contracts and emergency sewer repair projects when requested by the City.
- Sanitation Districts of Los Angeles County - Responsible for the City's Industrial Waste Program and for enforcing the Fat, Oil, and Grease Program (FOG), including source control and grease-generating facilities.
- Stormwater Maintenance Division (L.A. County) – Assists the City in tracing, containing, and cleaning up SSOs that reach a storm drain system.
- LACPW – Sewer Maintenance Division provide critical services to the City to address the mandates of the WDRs. Sewer Maintenance Division is responsible for operational maintenance services of the City's sewer collection system, including cleaning, closed-circuit television (CCTV) inspection, manhole inspection, and repairs.
- County of Los Angeles Fire Department – Responsible for assisting with protecting the public in the event of an SSO that expands into high-use public travel ways and/or those that reach storm drains or water courses and spread the effect of public risk to health and safety impacts.

- County of Los Angeles Sheriff's Department – Responsible for operating the Emergency Operation Center for the entire City, including handling after-hour service calls reporting SSOs, pump station malfunction calls, and forwarding those reports to the LACPW.
- CNC Engineering
  - Directly assists the City in preparing studies, investigations and reports, and review of budget and contractual agreements with other organizations.
  - Responsible for subdivision plan checks to ensure compliance with the Department's standards for construction of new sewer collection systems. CNC checks sewer-capacity studies to size proposed SMDs lines and sets requirements to ensure adequate capacity in existing systems.
  - Responsible for the processing of access easement documents and procuring easements for public sewer facilities located in private properties. Also assists in investigating SSO-related claims and litigations against the City.
  - Prepares or directs emergency repair activities, special studies, and investigations and reports concerning the City's sewer infrastructure.
  - Oversees office engineering, clerical, field inspection, field operation, and maintenance staff on behalf of the City.

#### **2.3.4 Chain of Communication for SSO Reporting**

The chain of communication for reporting SSOs from receipt of a complaint or other reliable information source to reporting to the appropriate regulatory agencies is presented in Section 2.3.4.a. The City's contact directory for communicating with both internal and external parties involved in responding and reporting an SSO event is shown in Section 2.3.5. The SSO emergency response plan will be discussed in greater detail in Chapter 6 of this document.

### 2.3.4a SSO Reporting Procedures Flow Chart



<sup>1</sup> California Office of Emergency Services (OES) is notified when SSO greater than or equal to 1,000 gallons discharged to or potentially will be discharged to surface water.

<sup>2</sup> Stormwater Maintenance Division (SWMD) is only notified when the SSO has entered a storm drain.

<sup>3</sup> Environmental Program Division (EPD) is only notified when SSO of 50,000 gallons or greater are spilled to surface water.

### 2.3.5 City's Contact Directory for SSO Responding and Reporting

<u>After-Hour or Responsible Party's</u>	<u>Name</u>	<u>Telephone</u>	<u>After-Hour or Cell Phone</u>
City Manager	Joshua Nelson	(626) 333-2211	
Assistant City Manager	Bing Hyun	(626) 333-2211	
Engineering Manager	Mathew Hudson	(626) 333-2211	
City Facilities/Operations	Justin Aguilar	(626) 893-8221	
Building Inspector	B&S - La Puente	(626) 961-9611	(800) 675-4357
County of Los Angeles Sheriff's Dept.	Industry Station	(626) 330-3322	(626) 330-3322
County of Los Angeles Fire Dept.	Fire Station 118	(626) 854-3488	24 hr., 7 day basis
LACDPW	24-hour Dispatch	(626) 458-4357	(800) 675-4357
DPH		(213) 974-1234	
LACDPW Flood Maintenance Division		(626) 445-7630	
LACDPW Environmental Programs Division	24-hour Dispatch	(626) 458-4357	(800) 675-4357
LACDPW Road Division	Maintenance District 47	(626) 964-1518	(800) 675-4357
Sanitation Districts of Los Angeles County		(562) 699-7411	
RWQCB (Region 4)		(213) 576-6600	
California Office of Emergency Services		(800) 852-7550	

## CHAPTER 3

### LEGAL AUTHORITY

#### 3.1 Legal Authority

The City's legal authority to own and operate a sanitary sewer system is derived from its incorporation as a City. The City on June 26, 1986, by Resolution No. 1338, granted the County of Los Angeles the consent and jurisdiction to annex portions of the City sewer system into the CSMD. By that action, the City has entrusted the management, operation, and maintenance of its local sanitary sewer system to the CSMD. The City, however, still maintains ownership of the sewer system.

In compliance with the WDRs, this Chapter highlights the City's legal authority to: (1) prevent illicit discharges into the sanitary sewer system; (2) require that sewers and connections be properly designed and constructed; (3) ensure access for maintenance, inspection, or repairs; (4) limit the discharges of FOG and other debris that may cause blockages; and (5) enforce any violation of sewer ordinances or City Municipal Codes (CMCs). The legal authorities for the specific areas stipulated in the WDRs are covered in various sections of the CMCs and Chapters 20.20, 20.24, 20.22, 20.32, 20.36, and 20.40 of the Los Angeles County Code Title 20 – Utilities (LACO TITLE 20), per CMC 15.24.010.

#### 3.1.1 Legal Authority to Prevent Illicit Discharges into the Sanitary Sewer System

In accordance with CMC 15.24.010, the City has adopted the current edition of Title 28 of the Los Angeles County Plumbing Code (LACO TITLE 28), which incorporates most provisions of the California Plumbing Code as its plumbing code. Through the City's Ordinance No. 751-U "Urgency ordinance adopting the Los Angeles County Code Chs. 20.20, 20.24, 20.28 and 20.32 by reference" the City has also adopted all portions of Division 2 of LACO TITLE 20, which regulates sanitary sewers. LACO TITLE 28, Sections 306.2, 714.2, and 1101.2, prohibit the unauthorized discharge of rain, surface, or subsurface water (inflows) into the collection system. LACO TITLE 20, Section 20.36.010, prohibits the illegal dumping of offensive or damaging substances such as chemicals, debris, etc. Other sections of the LACO TITLE 20 that prohibit various forms of illicit discharges are 20.24.020, 20.24.200, 20.32.080, 20.32.650, etc. The City, as one of the CSMD cities, benefits from the CSMD's I/I Control Program. This program consists of sewer line cleaning and maintenance, which includes CCTV and other mechanisms to detect I/I. By ordinance, LACO TITLE 20, Section 20.40.045, the County of Los Angeles Board of Supervisors has established a financial plan to ensure

capital replacement or rehabilitation of sewer lines prone to I/I within the CSMD. LACO TITLE 20, Section 20.24.080, requires that property owners be responsible for maintenance of their house laterals, including the elimination of cracks, tree roots, and other debris. These laws combined constitute the City's legal authority to prevent illicit discharges into the sewer system.

### **3.1.2 Legal Authority to Require that Sewers and Connections be Properly Designed and Constructed**

LACO TITLE 20, Sections 20.32.330 and 20.32.340, as adopted by the City in Ordinance No. 751-U, requires that the design of new mainline sewers and pumping plants, respectively, comply with Part 3 of Chapter 20.32 of LACO TITLE 20. Section 20.32.350 of LACO TITLE 20 requires that the design of new house laterals also conform to the requirements of Part 3, Chapter 20.32, of LACO TITLE 20. In accordance with LACO TITLE 20, Section 20.32.580, the construction of a collection sewer system is required to conform to all the requirements prescribed by Division 2 of LACO TITLE 20, Standard Specifications for Public Works Construction ("Green Book"), and Special Provisions and Standard Plans, all on file in the Director of Public Works'/City Engineer's office. The inspection of new mainline sewers and pumping plants to ensure proper construction is covered under Section 20.30.590 of the LACO TITLE 20 and regulated under the CMCs.

### **3.1.3 Legal Authority to Ensure Access for Maintenance, Inspection, or Repairs**

LACO TITLE 20, Division 2, as adopted by the City in Ordinance No. 751-U, gives the City the legal right to set requirements to allow unrestricted maintenance access to the public sewer infrastructure located on private property. In accordance with Section 20.32.430 of LACO TITLE 20, the access is secured through the City's enforcement of the requirement for legally recorded sewer easements around all public sewer appurtenances located in private properties. Sewer easements are detailed on the sewer construction plans and are thoroughly reviewed by the City and LACPW for adequacy in size and accuracy of alignment during the plan check process.

Plan checkers take special care to ensure that maintenance crews will have sufficient access for the movement of equipment and materials for routine and emergency repairs or construction work on the system.

### **3.1.4 Legal Authority Limiting the Discharge of FOG and other Debris that May Cause Blockage**

The City, by adopting LACO TITLE 28 and portions of LACO TITLE 20 in Ordinance No. 751-U and in CMC 15.24, has the legal authority to satisfy

this element of the WDRs. LACO TITLE 28 requires the installation of grease interceptors at restaurants and other food establishments that generate grease in the City. Section 714.1 of the LACO TITLE 28 prohibits the discharge of FOG and other substances that may, among other things, clog, obstruct, fill, or necessitate frequent repairs, cleaning out, or flushing of sewer facilities in the City's sewer system. The City's Industrial Waste Program managed by the Sanitation Districts of Los Angeles, gives the City's Director of Public Works the authority to require the installation of treatment facilities, including grease interceptors, at any facility that generates FOG in the amount that will damage or increase the maintenance costs of the sewer collection system.

### **3.1.5 Legal Authority to Enforce any Violation of Sewer Ordinances**

LACO TITLE 20, Section 20.24.090, gives the Director of Public Works/City Engineer the legal authority to inspect mainline sewers, sewage pumping plants, interceptors, etc., as often as deemed necessary, to ascertain whether such facilities are maintained and operated in accordance with the provisions of Division 2 of LACO TITLE 20 as adopted by the City in Ordinance No. 751-U.

Under Section 20.24.100 of LACO TITLE 20, the Director of Public Works/City Engineer is empowered to enforce all the requirements prescribed in Division 2, Sanitary Sewers, and in accordance with Section 20.24.110, may delegate this authority. LACO TITLE 20, Section 20.24.160, allows criminal penalties for any violations as adopted by the City in Ordinance No. 751-U.

LACO TITLE 20, LACO TITLE 28, standard plans, specifications, and other material cited in this chapter are filed at the Director of Public Works'/City Engineer's office as adopted by the City in Ordinance No. 751-U and in CMC 15.24.

## CHAPTER 4

### OPERATION AND MAINTENANCE PROGRAM

#### 4.1 Preventive Maintenance Program

The City is within the CSMD and, therefore, relies on the staff and resources of the LACPW for the SO&M of its collection sewer system. The CSMD's SO&M Programs described in detail in the Districts' SSMP are applicable in the City. The CSMD East Yard (Appendix B) located at 2849 South Myrtle Avenue in the City of Irwindale provides sewer services to the City. In addition, personnel from the other three sewer maintenance yards, shown in Appendix B, provide after-hour services, such as standby, callback, and other sewer emergency services, to the City. The maintenance equipment utilized within the City is owned by the CSMD. A complete inventory of the CSMD equipment assigned to the South Maintenance Yard is presented in Appendix C.

The City's maintenance programs are funded through levying an annual sewer service charge of \$41.50 per equivalent single-family dwelling unit, otherwise called a sewage unit (SU). This is included in the \$50.50 per SU levied by the CSMD and collected with the annual tax bills of property owners in the cities that are within the CSMD. The total annual revenue generated from the City for the various sewer programs through the \$50.50 per SU charge is approximately \$407,182. These funds are managed and administered by the LACDPW and reviewed and adjusted annually to ensure sufficient revenues to fund the maintenance programs.

The following is a summary of the CSMD preventive maintenance activities implemented by the CSMD within the City:

##### 4.1.1 Sewer Line and Manhole Inspection

The interior and exterior of manholes are inspected semiannually for any structural defects, sewage flow condition, presence of vermin or rodents, deleterious industrial waste, odors, and any signs of unusual settlement around the manhole and along sewer alignments.

##### 4.1.2 Gas Trap Manholes and Siphons

On a monthly basis these facilities are inspected and cleared of any stoppages or flow restrictions.

#### **4.1.3 Drop Manholes**

These facilities are inspected and cleared of stoppages and flow restrictions on variable frequencies based on prior inspection records.

#### **4.1.4 Sewer Line Cleaning**

Sewer lines are cleaned by hydro jetting or rodding. Frequency of cleaning is based on inspection records. Sewer lines known to accumulate grease, garbage grinds, or sand are placed on monthly, quarterly, or semiannual cleaning schedules and those prone to root growth are periodically rodded or chemically treated.

#### **4.1.5 Vermin and Rodent Control**

Sewers infested by insects are chemically treated. Those infested by rodents are baited.

#### **4.1.6 Sewage Pump Stations**

Majority of the Districts' pump stations are equipped with SCADA/alarm systems and are inspected at least once a week. Pumps and motors are lubricated, control mechanisms and valves are checked and adjusted as necessary, and equipment is repaired or modified as required.

#### **4.1.7 Work Schedules**

CSMD work orders within the City are generated and tracked by the LACPW's Maintenance Management System (MMS). CSMD field crew activities are recorded in various forms, such as service requests, cleaning reports, sewer maintenance daily reports, manhole adjustments, overflow report forms, etc., and maintained in the MMS database. The reports are made available to the City upon request.

#### **4.1.8 City Sewer Mapping System**

The City maintains "as-built" sewer plans of the City's sewer facilities. Data on the plans, such as system location and alignment, pipe material, size, etc., are stored in the Sewer Maintenance Division (SMD) Computer Aided Design and Drafting (CADD) System and Geographical Information System (GIS). Printed system maps are stored in the Mapping and Annexation Unit of the SMD located at 1000 South Fremont Avenue, Alhambra, California. These maps are also distributed to the SMD's field crew, for work scheduling and responding to emergencies, and to cities and other agencies. The maps are regularly updated to reflect any changes in the system. System maps are also located online

<http://dpw.lacounty.gov/smd/sewernetwork>.

SMD also create maps with GIS. This mapping system includes sewer features such as pipe or manhole location, diameter, material, flow direction, etc. The system includes map base layers such as aerial images, streets, parcels, and storm drain systems also available from other Divisions within LACPW, County Departments and other governmental agencies.

## **4.2 Rehabilitation and Replacement Plan**

The City's sewer collection systems are in the CSMD, and the City participates in the CSMD's Accumulative Capital Outlay (ACO) Program. As a result, the City also benefits from the Sewer Condition Assessment Program.

### **4.2.1 ACO Program of the CSMD**

As stated, the City participates in the ACO Program of the CSMD. Property owners within the CSMD are levied an annual charge of \$5 per SU for sewer collection system rehabilitation and replacements. The \$5 per SU charge is also a component of the total \$50.50 per SU annual sewer service charge collected from property owners districtwide with the property owners' annual tax bills. The program is managed and administered by the LACPW.

Under the ACO Program, any portion of the sewer system found to be structurally deficient through routine inspection, sewer emergency response, or the Condition Assessment Program is immediately repaired as an emergency repair project or documented in a prioritized list of future short- and long-term ACO sewer rehabilitation and replacement projects. However, the LACPW will refer portions of the system that have sewer capacity-related problems, such as hydraulic deficiencies, resulting from over development or change in the zoning, to the City for appropriate corrective action. There are currently no known capacity-related SSO problems in the City.

### **4.2.2 Condition Assessment Program**

The City's sewer system is relatively new and in good operating condition. Property owners within the CSMD are levied an annual charge of \$4 per s.u. for the Sewer Condition Assessment Program. This charge is reviewed and adjusted annually by the County to raise sufficient funds for the Condition Assessment Program. Under this program, the entire Sewer Collection System within the City will be inspected by CCTV to assess the condition of the pipes on a 10-year-cycle basis. The CCTV inspection schedule for the City is presented in Appendix E of this document. The \$4 per s.u. charge is also a component

of the total \$50.50 per s.u. annual sewer service charge collected from property owners districtwide and collected with the property owner's annual tax bills. The LACPW is responsible for the management and administration of the funds and program.

#### **4.3 Equipment Maintenance and Replacement Policy**

The equipment utilized in the maintenance of the City's sewer facilities is owned by the CSMD. LACPW has full responsibility for the maintenance and replacement of equipment. The LACPW Equipment Replacement Policy is described in Chapter 4.3 of the Districts' SSMP.

#### **4.4 Training for Field Operations Personnel and Contractors**

All personnel needed for the operation and maintenance of the City's sewer system are employed by the LACPW. The training of CSMD personnel is a function of the LACPW and not the City. The training methodologies utilized by the LACPW are contained in Chapter 4.4 of the Districts' SSMP. The City does not have any formalized training for contractors doing work within the City. However, City sewer construction projects are awarded to competitively selected contractors with well trained and qualified personnel for any given project. The designed plans and specifications for City sewer construction projects contain detailed instructions on the City's permitting requirements, standards, and policies that must be adhered to by contractors doing work within the City.

## **CHAPTER 5**

### **DESIGN AND PERFORMANCE PROVISION**

#### **5.1 Design and Construction Standards and Specifications**

The City requires that all sewers be designed in accordance with LACPW standards. LACPW has standard plans and specifications for construction of sanitary sewers and appurtenances to ensure that sewer lines and connections are properly designed and constructed. LACPW specifications by reference incorporate the standard plans and specifications for Public Works construction, special provisions, and standard drawings. In addition, LACPW has other publications, such as the Private Contract Sanitary Sewer Procedural Manual, Guidelines for the Design of Pump Stations, etc., to ensure consistency in the design of collection systems within unincorporated County areas. The City requires that these publications also be followed in the design of sewer systems within the City. To further ensure that sewer facilities are properly designed, the City requires construction drawings be prepared by licensed engineers. The construction drawings are thoroughly reviewed by the City and SMDs engineers prior to approval for construction and inspection of the actual construction work. SMD review plans to ensure that appropriate maintenance standards are integrated into the design from a maintenance standpoint only.

#### **5.2 Procedures and Standards for Inspection and Testing New and Rehabilitated Collection Sewer Facilities**

The City provides inspection by outsourcing to qualified consultants for the inspection of new sewer construction projects. The inspection of sewer rehabilitation projects under the ACO Program are conducted by LACPW inspectors. The City requires that as-built plans of the completed projects be submitted prior to final approval for acceptance of sewer facilities for public use.

In compliance with LACPW policy, the City also requires that all newly constructed pumping stations be inspected by experienced SMD staff prior to transferring such facilities to the CSMD for maintenance.

## **CHAPTER 6**

### **OVERFLOW EMERGENCY RESPONSE PLAN**

#### **6.1 Overflow Response Procedure**

The City, as a member of the CSMD, relies on the services of the LACPW to respond to SSOs within the City. Therefore, the Overflow Procedure described in Chapter 6 of the Districts' SSMP is utilized by the CSMD in the City. Furthermore, the LACPW 24-hour emergency phone number 1-800-675-HELP (4357) is readily available to City staff and residents to promptly notify LACPW staff of SSO events in the City.

However, in the event of an SSO in which a City crew is the first responder, the City is responsible for containing the release, if possible, and securing the area until LACPW personnel arrive.

##### **6.1.1 Regulatory Agencies Notification and Timeframe**

The CSMD is responsible for reporting SSOs to the appropriate regulatory agencies for the City. As discussed in Chapter 2, SSOs that occur in the City are reported to the LACPW by telephone. Upon receipt of such calls, LACPW Officials follow the notification guidelines contained in Chapter 6 of the Districts' SSMP, also presented in Sections 6.1.1.a and 6.1.1.b of this document.

### 6.1.1.a Regulatory Agencies Notification and Time Frame Table

SSO Category	Type or Description	Agencies to be Notified	<i>Type of Notification and Timeframe</i>	
			Timeframe	Written Report/*Online Database
1	Any volume of untreated or partially treated SSO: <ul style="list-style-type: none"> <li>• Reach surface water and/or drainage channel tributary to surface water</li> <li>• Discharge to a storm drain and not fully captured and returned to the sanitary sewer system or not captured and disposed of properly.</li> </ul> Any volume not recovered from storm drain is considered to have reached surface water.	DPH	Within 15 minutes after becoming aware of the spill.	Call and obtain operator number.
		OES ( $\geq$ 1,000 gallons)	As soon as possible, but no later than 2 hours after becoming aware of the spill.	Call and obtain control number.
		SWMD (only if entered into storm drain)	As soon as possible, but no later than 2 hours after becoming aware of the spill.	NA
		EPD ( $\geq$ 50,000)	As soon as possible, but no later than 2 hours after becoming aware of the spill.	Conduct Water Quality Sampling within 48 hours of initial spill. <b>CIWQS Online Database</b> – Upload water quality results. <b>SSO Technical Report</b> – Submit report within 45 calendar days on conclusion of SSO in which 50,000 gallons or greater are spilled to surface water.
		SWRCB	As soon as we become aware of the SSO, reporting is possible and can be provided without substantially impeding cleanup or other measures.	<b>CIWQS Online Database</b> <b>Initial Report</b> - ASAP but no later than initial 3 business days after we are made aware of it. <b>Final Certified Report</b> – Within 15 calendar days on conclusion of the SSO response and remediation. <b>Additional Information</b> – Anytime in form of an attachment.
2	$\geq$ 1,000 gallons of Untreated or partially treated SSO:  Does not reach surface water, drainage channel or storm drain unless discharge to storm drain system is fully recovered and disposed of properly.	DPH	Same as above	NA
		SWMD (only if entered into storm drain)	Same as above	NA
		SWRCB	Same as above	Same as above
3	All other discharge of untreated or partially treated resulting from sewer system failure or flow condition.	DPH	Same as above	NA
		SWRCB	Same as above	<b>CIWQS Online Database</b> – Within 30 days after the end of the calendar month in which the SSO occurred.
PLSD	Private lateral sewage discharge (PLSD) caused by blockages or other problems within a privately-owned lateral	DPH	Same as above	NA
		SWRCB (optional)	NA	NA
NA	No SSO in a calendar month	SWRCB	NA	<b>CIWQS Online Database</b> – Certified within 30 days after the end of the calendar month, certified statement that no SSO occurred.
NA	Collection System Questionnaire	SWRCB	NA	<b>CIWQS Online Database</b> - Update and certify every 12 months.

### 6.1.1.b Agency Telephone Numbers

<b>Agency</b>	<b>Contacts</b>	<b>Hours of Operation</b>
Department of Public Health	(213) 974-1234	Answered on a 24-hour, 7-day basis
California Office of Emergency Services	(800) 852-7550	Answered on a 24-hour, 7-day basis
RWQCB (Region 4)	(213) 576-6600 (213) 576-6650	Answered only during normal working hours
LACPW Stormwater Maintenance Division	(626) 445-7630	Answered only during normal working hours
East Area	(626) 798-6761	Answered only during normal working hours
South Area	(562) 861-0316	Answered only during normal working hours
West Area	(818) 896-0594 (818) 248-3842	Answered only during normal working hours
LACPW Environmental Programs Division	(626) 458-4357	Answered on a 24-hour, 7-day basis
SWRCB		Online database website address
LACPW Emergency Phone Number	(800) 675-4357	Answered on a 24-hour, 7-day basis

#### **6.1.2 Procedure to Ensure that Staff and Contractors are Aware and Appropriately Trained to Follow the Emergency Response Plan**

The procedure to ensure that staff and contractors are aware and appropriately trained to follow the Emergency Response Plan is mainly the function of the LACPW. City staff, however, is familiar with the SMD reporting procedures, which are included in the Districts' SSMP.

#### **6.1.3 Procedure to Address Emergency Operations such as Crowd Control and Other Necessary Response Activities**

The City does not play a significant role in addressing emergency operations. Emergency operations are performed by LACPW staff or contractors doing emergency repair SSO-related work for the County or City. The County of Los Angeles Fire and Sheriff's Departments also play active roles in the control and protection of the public during emergency SSO operations.

#### **6.1.4 Program to Eliminate or Minimize the Discharge of SSOs into Surface Water**

One of the main functions performed by the LACPW for the City is to eliminate or minimize the discharge of SSOs into surface water. The City's role is limited to ensuring that their collection system has sufficient capacity for all operating conditions and ensures that LACPW staff is promptly notified of SSO events when they occur.

## CHAPTER 7

### FOG CONTROL PROGRAM

#### **7.1 Public Education Outreach Program**

The City currently benefits from the LACPW Public Education Outreach Program. Under this program, information on proper disposal of FOG and other SSO prevention measures, such as the installation of backwater valves, house lateral maintenance, etc., is disseminated by the CSMD to City residents and businesses through publication of Annual Reports, brochures, and individual notices to property owners. LACPW Sewer Maintenance personnel also assist in passing useful information on SSO prevention and FOG onto home and business owners. Public education materials are posted on <http://dpw.lacounty.gov/smd/smd/> and <http://dpw.lacounty.gov/Environmental-Programs-Division/cleanla>.

To complement County efforts, the City will continue its own Public Education Outreach Program. This will consist of including SSO- and FOG-related articles from the LACPW and other sources, such as the City's newsletters and website (cityofindustry.org) and by maintaining continuous communication with the LACPW, City residents, and other stakeholders on these and other issues. City personnel also disseminate information to residents during meetings or while conducting right-of-way lateral work inspections.

#### **7.2 Disposal Methods for FOG Generated within the City's Sanitary Sewer System**

This function is performed by CSMD staff on behalf of the City. The methods used by the LACPW are contained in the Districts' SSMP.

#### **7.3 Legal Authority to Prohibit Discharges to the System and Identify Measures to Prevent SSOs and Blockages Caused by FOG**

The legal authority to prohibit discharges of FOG into the sewer system is discussed in Chapter 3 of this document. Requirements for grease interceptors at food establishments to prevent the discharge of grease to the collection sewer system and educating the public on proper disposal methods for FOG are also discussed in this chapter.

#### **7.4 Requirement to Install Grease-Removal Devices, Design Standards for Grease-Removal Devices, Maintenance Requirements, Best Management Practices Requirements, Recordkeeping, and Reporting Requirements**

The City's Industrial Waste Program is managed by the Sanitation District of Los Angeles County. The design standards for grease-removal devices and all the requirements imposed on industrial waste facilities that discharge waste or FOG into the City's sewer system follow those imposed in the unincorporated County and as presented in Chapter 7.4 of the SMDs' SSMP.

**7.5 Authority to Inspect Grease-Producing Facilities, Enforcement Authorities, and Evidence of Adequate Staffing to Inspect and Enforce the FOG Ordinance**

Section 17.36.080 of the CMC authorizes the City Engineer to issue a permit for all industrial waste discharges. This provides the City Engineer with the authority to inspect grease-producing facilities for compliance with permit requirements and pursue enforcement of any code violations

**7.6 Cleaning Schedule for Identified FOG-Prone Sewer Segments**

The cleaning schedule for identified FOG-prone sewer segments is performed by the CSMD for the City. The methods used by CSMD staff are described in the Districts' SSMP.

## CHAPTER 8

### SYSTEM EVALUATION AND CAPACITY ASSURANCE PLAN

#### **8.1 System Evaluation and Capacity Assurance Plan**

The City is responsible for ensuring that the public sewer infrastructure is correctly designed, adequately sized, and easily maintained. The CSMD also provides a supporting role in reviewing all proposed sewer plans for new developments in the City to ensure that they conform to County design standards and to ensure that requirements for acceptability for maintenance are met.

#### **8.2 Adequate Capacity and Correct Design**

The City Manager/Assistant City Manager or hired qualified private company provides thorough review of all sewer plans for proposed development projects in the City to ensure that (1) they are properly designed with sufficient capacity for current and future base, peak, and wet-weather flow demands; and (2) any impact of proposed project on existing sewer system is mitigated prior to being approved by the Director of Public Works/City Engineer. During construction, the projects are continuously inspected by the City Manager/Assistant City Manager or hired construction inspectors to ensure that sewer facilities are constructed in accordance with the approved plans and specifications.

#### **8.3 Capacity Enhancement Plan**

The Sewer Collection System Capacity Enhancement Program is a combined effort between the City and the LACPW. The CSMD's programs to optimize the use of available sewer capacity and prevent SSOs include the CCTV Program to identify pipe segments needing repairs, I/I reduction and tree-root intrusion control programs, sewer cleaning program, and the ACO Program to effect repairs or replacement of damaged pipes. These programs are described in Chapters 3 and 4 of the Districts' SSMP.

## CHAPTER 9

### MONITORING, MEASUREMENT, AND MODIFICATION PROGRAM

#### **9.1 Monitoring**

The City will document all relevant data on SSOs that occurred in the City. This will include quarterly SSO reports from the LACPW, Annual Reports published by the LACPW, Sewer Maintenance Productivity Report (Appendix F) for the City, and any special reports to regulatory agencies, etc. The data will be analyzed to evaluate the effectiveness of the City's SSMP.

#### **9.2 SSMP Program Effectiveness Evaluation**

The biennial SSMP audit shall be used as one of the tools in assessing the effectiveness of the City's SSMP. The evaluation of the City's SSMP Program effectiveness shall be based on such key performance indicators as the total number of SSOs, SSO response time, reduction in repeated incidents of SSOs at the same location, total SSOs equal to or greater than 1,000 gallons or reaching surface waters, reduction in number of SSOs that are caused by sewer capacity-related problems, and any other effectiveness parameters established by the SWRCB.

#### **9.3 Program Modification**

The City shall continually update or modify the key elements of its SSMP based on the results of the above-mentioned monitoring and program effectiveness evaluations. The City shall also make recommendations to the LACPW, as necessary, on elements of the Districts' SSMP to be adjusted or revised within City boundaries to better serve its residents.

#### **9.4 SSO Location Mapping and Trends**

The annual SSO location map prepared by the LACPW is enclosed in Appendix G. The cause of each SSO incident is also recorded and shown on the map sheet. This map is used for establishing SSO patterns, identifying hot spots, and work assignment scheduling by LACPW field personnel.

## CHAPTER 10

### SSMP PROGRAM AUDIT AND CERTIFICATION

#### 10.1 SSMP Program Audit

The City shall conduct an internal audit and prepare a report every two years. The audit shall focus on evaluating the effectiveness of the SSMP, City's records, and SMD's compliance actions during the audit period. The most recent report of the audit must be kept on file in the Director of Public Works'/City Engineer's office.

#### 10.2 SSMP Certification

The SSMP shall be certified by the City Manager/Assistant City Manager or authorized representatives to be in compliance with the requirements set forth in the WDRs and be presented to the City Council for approval at a public meeting. The City authorized representative must also complete the certification portion in the online SSO Database Questionnaire (<http://ciwqs.waterboards.ca.gov/>) by checking the appropriate milestone box, printing and signing the automated form, and sending the signed form to:

Attention Sanitary Sewer Overflow Program Manager  
State Water Resources Control Board  
Division of Water Quality  
P.O. Box 100  
Sacramento, CA 95812

#### 10.3 SSMP Modification and Recertification

The SSMP must be updated every five years to keep it current. When significant amendments are made to any portion or portions of the SSMP, it must be resubmitted to the City Council for approval and recertification. The recertification shall be in accordance with the certification process described in Section 10.2.

## CHAPTER 11

### COMMUNICATION AND SSMP AVAILABILITY

#### **11.1 Communication**

The City shall provide all stakeholders and interested parties, such as the public and other agencies, with status updates on the development and implementation of the SSMP and consider comments made by them. The City shall utilize media, such as letters, newsletters, brochures, notices in newspapers, and the City's website, for conveying this information.

#### **11.2 SSMP Availability**

Copies of the SSMP will be maintained in the City's Director of Public Works/City Engineer's office, located at City Hall, 15625 Stafford Street, City of Industry, California, 91744. A digital version of the SSMP is available on the City's website. The document shall also be made readily available to the RWQCB (Region 4) upon request and to the operators of any collection system or treatment facility downstream of the City's system.

## CHAPTER 12

### CSMD AND CITY RESPONSIBILITIES UNDER THE WDRs

#### 12.1 CSMD vs. City Responsibilities

The CSMD and the City, which is a part of the CSMD, will play significant roles, jointly and separately, toward achieving the goals of the WDRs. The LACPW shall apply for coverage under the WDRs for facilities it owns. The City will apply for coverage for its own facilities.

The SMD shall prepare a comprehensive SSMP for the Districts. The City in coordination with the LACPW will prepare its own SSMP. The City has previously adopted codes and regulations providing it with legal authority in conjunction with agreements with the Districts to enforce items stipulated in the WDRs.

Section 12.2 shows the CSMD cities, including the City, and the SSO-related services currently provided by the LACPW to each of the cities. It also contains information on estimated population of the cities. The CSMD shall perform all functions under the WDRs related to the SO&M Program. The CSMD shall also be responsible for correcting structural deficiencies under the ACO Program. The cities will be conducting the capacity study of their collection systems, if necessary, and correcting identified hydraulic deficiencies. The matrix on Section 12.3 is a listing of the key elements of the SSMP and the roles for the CSMD and the City. By completing and signing this matrix, the City, as owner, and the CSMD, as service provider, mutually agree that it is an accurate description of what each entity will be responsible for under the WDRs. Upon approval by both parties, this document becomes a part of the City's and Districts' SSMP.

## 12.2 LACPW Sewer-Related Services to the 37 CSMD Cities

City	CSMD	ACO Program	Sewer Maintenance Agreement	Building and Safety	Industrial Waste	City Engineers	*Population
Agoura Hills	X	X			X		20,330
Artesia	X	X		X	X		16,522
Baldwin Park	X	X					75,390
Bell Gardens	X	X			X		44,054
Bellflower	X	X			X		76,616
Bradbury	X	X					1,048
Calabasas	X	X			X		23,058
Carson	X	X		X	X	X	91,714
Commerce	X	X		X	X	X	12,823
Cudahy	X	X			X		23,805
Diamond Bar	X	X			X		55,544
Duarte	X	X		X	X		21,321
Glendora	X	X					50,073
Hawaiian Gardens	X	X			X		14,254
Hidden Hills	X	X					1,856
Industry	X	X		X			440
Irwindale			X	X	X		1,422
La Cañada Flintridge	X	X		X	X		20,246
La Habra Heights	X	X					5,325
La Mirada	X	X		X	X	X	48,527
Lakewood	X	X		X	X	X	80,048
Lawndale	X	X		X	X		32,769
Lomita	X	X		X	X	X	20,256
Malibu	X	X					12,645
Palos Verdes Estates	X	X					13,438
Paramount	X	X			X		54,098
Pico Rivera	X	X			X		62,942
Rancho Palos Verdes	X	X			X		41,643
Rolling Hills	X	X		X			1,860
Rolling Hills Estates	X	X		X	X		8,067
Rosemead	X	X			X		53,764
San Dimas	X	X			X		33,371
Santa Clarita	X	X			X		177,641
Santa Fe Springs	X	X		X			16,223
South El Monte	X	X					20,116
Temple City	X	X		X	X	X	35,558
Walnut	X	X			X		29,172
West Hollywood			X		X		34,399
Westlake Village	X	X		X	X		8,270
<b>TOTALS:</b>	<b>37</b>	<b>37</b>	<b>2</b>	<b>16</b>	<b>28</b>	<b>6</b>	<b>1,340,427</b>

\* The population data was obtained from the year 2010 Census data. Individual cities should verify the accuracy of the above data.

Through the General Services Agreement, a city can request County resources upon specific request. The LACPW currently provides at least some degree of service to all 88 cities in the County of Los Angeles.

## 12.3 ROLES FOR THE CONSOLIDATED SMD AND CITIES UNDER THE WASTE DISCHARGE REQUIREMENTS

A	B	C	D	E	F	G	
1	Task	WDR	Description or Requirement of the WDR	Completion Date	City of	County	Comments/Concerns
2	Identifier	Reference		w/ MOU	Industry	Consolidated	
3				Regional Board 4			
4				10,000 – 100,000 served			
5							
6	D9	Allocate Adequate Resources			X	X	City for capacity related CIP, County for O&M & ACO
7	D9	Establish proper rate structure			X	X	
8	D9	Establish proper accounting mechanisms			X		
9	D9	Establish audit procedures			X		
10							
11	B1	Apply for coverage under WDR with SWRCB	11/2/2006	X	X		City as owner, County as operator
12	G	Reporting Program Initiation	1/2/2007	X	X		
13	B2	SWRCB to issue application instructions	7/2/2006	X	X		
14	B2	Appoint legally Authorized Representative		X	X		
15		Submit Completed Application Package		X	X		
16							
17	D13	Sewer System Management Plan					
18		Complete Development Plan & Schedule	11/2/2007	X			
19		Certification	5/2/2009	X			County support role only
20		Approval by Governing Board	5/2/2009	X			
21		Available at office or on internet	5/2/2009	X			
22							
23	D13(I)	Goal	11/2/2007	X			
24	D13(ii)	Organization	11/2/2007	X			
25		Identification of Authorized representative		X	X		
26		Organizational Chart		X			
27		Contact List		X	X		
28		SSO Reporting Chain of Communication		X	X		
29	D13(iii)	Legal Authority	5/2/2009	X	X		
30		Sewer System Use Ordinance Adoption		X	X		
31		Service Agreement or MOU or other legally binding procedure		X	X		
32							
33							
34	D13(iv)	Operations and Maintenance Program	5/2/2009		X		CSMD City
35		Up-to-date Mapping Procedures		X	X		
36		Description of routine O&M activities			X		
37		Preventive Maintenance Program			X		
38		Rehabilitation and Replacement Program		X	X		
39		Short-term		X	X		
40		Long-term		X	X		
41		Capital Improvement Plan		X	X		
42		Project Schedules		X	X		

43		Schedule for funding		X	X	
44		Training		X	X	City support role – spill containment and public education outreach
45		Develop training program			X	
46		Staff			X	
47		Contractors		X	X	
48		Equipment & Replacement Part Inventory Definition			X	
49						
50	D13(v)	Design and Performance Provisions	8/2/2009	X	X	City for new and capacity related CIP
51		Development of design and construction standards		X	X	City for new and County for rehab projects
52		Development of inspection and testing standards		X	X	
53						
54	D13(vi)	Overflow Emergency Response Plan	5/2/2009	X	X	
55		Adoption of Proper Notification Procedures			X	
56		Program for Appropriate Response Procedure		X	X	
57		Procedures for Prompt Notification			X	
58		Contractor & Staff verification procedure & drills		X	X	
59		Procedures for emergency operations communication		X	X	
60		Reasonable steps program to contain and prevent SSO		X	X	
61						
62	D13(vii)	FOG Program	5/2/2009			City covered by County I.W. Program
63		Implementation Plan and Schedule for Public Education Outreach Program		X	X	
64		Disposal Plan of FOG from the sewer system			X	
65		Definition of legal authority		X	X	
66		Grease removal device requirements		X	X	
67		Inspection Authority		X	X	
68		Inspection authority definition		X	X	
69		Identification of grease problems areas			X	
70		Development of source control measures		X		
71		Public Education Outreach Program		X	X	
72	D13(viii)	System Evaluation and Capacity Assurance Measures	8/2/2009	X	X	
73		Evaluations		X	X	
74		Design Criteria		X		
75		Capacity Enhancement Measures		X	X	
76		Schedules		X	X	
77		Capital Improvement Program		X	X	
78						
79	D13(ix)	Monitoring, Measurement and Modification	8/2/2009		X	
80		Development and Management of Changed Provisions				
81						
82	D13(x)	SSMP Program Audits	8/2/2009	X	X	
83		Preparation of Biannual reports (minimum)		X	X	
84						
85	D13(xi)	Communication Program	8/2/2009			
86		Conduct Public Hearings		X		City's program to complement County
87		Prepare Public Outreach Pieces		X	X	
88		Coordinate with LA San Distr. / L.A. CO. Communication Plans			X	

89						
90		D14	SSMP Approval by Governing Board	5/2/2009	X	
91						
92		D14	Update SSMP (every 5 years)	5/2/2014	X	X
93			Complete the online SSO Database Questionnaire		X	
94			Certify Compliance		X	
95			Governing Board re-certification & approval		X	
96						
97		G	Monitoring and Reporting Requirements	1/2/2007	X	X
98		G3	Obtain SSO Database Account (CIWQS)		X	X
99		G3	Complete Collection System Questionnaire	w/in 30 days	X	
100		G3	Update Collection System Questionnaire annually		X	
101						
102		G3	SSO Recordkeeping	5 years from date	x	X

City Authorized Representative:

Troy Hellins

Print Name

12-5-19

Date

SMD Authorized Representative: Nicholas A. Agbodu

Print Name

Nicholas A. Agbodu

Signature

9/10/19

Date



# CITY OF INDUSTRY

STATE OF CALIFORNIA              )  
COUNTY OF LOS ANGELES      ) SS  
CITY OF INDUSTRY                )

## CERTIFICATION OF CITY COUNCIL MEETING MINUTES

I, Julie A. Gutierrez-Robles City Clerk of the City of Industry, California, do hereby certify that the following is the true and correct motion and vote taken by the City of Industry City Council during the December 12, 2019 Regular City Council meeting in regard to Consent Item No. 6.5 – ***Consideration of the Sewer System Management plan And Notice of Exemption regarding same.***

*A motion was made by Mayor Pro Tem Marcucci and seconded by Councilmember Radecki to take the following actions:*

- 1) *Approve the 2019 Sewer System Management Plan, adopt a Notice of Exemption for the Plan and permit the Director of Public Works/City Engineer to make minor modifications to the Plan a necessary.*

*Motion carried by a vote of 4-0*

WITNESS MY HAND AND THE SEAL OF THE CITY OF INDUSTRY, on this 13th day of December 2019

(seal)  
  
Julie A. Gutierrez-Robles  
City Clerk

## **APPENDIX A**

# **WASTE DISCHARGE REQUIREMENTS**

**STATE WATER RESOURCES CONTROL BOARD  
1001 I Street, Sacramento, California 95814  
ORDER WQ 2022-0103-DWQ**

**STATEWIDE WASTE DISCHARGE REQUIREMENTS  
GENERAL ORDER FOR SANITARY SEWER SYSTEMS**

This Order was adopted by the State Water Resources Control Board on December 6, 2022.

This Order shall become effective **180 days after the Adoption Date of this General Order**, on June 5, 2023.

The Enrollee shall comply with the requirements of this Order upon the Effective Date of this General Order.

This General Order does not convey any property rights of any sort or any exclusive privileges. The requirements prescribed herein do not authorize the commission of any act causing injury to persons or property, protect the Enrollee from liability under federal, state, or local laws, nor create a vested right for the Enrollee to continue the discharge of waste.

**CERTIFICATION**

I, Jeanine Townsend, Clerk to the Board, do hereby certify that this Order with all attachments is a full, true, and correct copy of the Order adopted by the State Water Board on December 6, 2022.

AYE:           Chair E. Joaquin Esquivel  
                 Vice Chair Dorene D'Adamo  
                 Board Member Sean Maguire  
                 Board Member Laurel Firestone  
                 Board Member Nichole Morgan

NAY:           None

ABSENT:       None

ABSTAIN:       None

*Courtney Tyler* for  
Jeanine Townsend  
Clerk to the Board

# STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER

## Table of Contents

1.	Introduction .....	4
2.	Regulatory Coverage and Application Requirements .....	5
2.1.	Requirements for Continuation of Existing Regulatory Coverage .....	5
2.2.	Requirements for New Regulatory Coverage.....	5
2.3.	Regulatory Coverage Transfer .....	7
3.	Findings .....	7
3.1.	Legal Authorities .....	7
3.2.	General .....	11
3.3.	Water Quality Control Plans, Policies and Resolutions .....	14
3.4.	California Environmental Quality Act.....	16
3.5.	State Water Board Funding Assistance for Compliance with Water Board Water Quality Orders .....	16
3.6.	Notification to Interested Parties .....	17
4.	Prohibitions .....	17
4.1	Discharge of Sewage from a Sanitary Sewer System.....	17
4.2.	Discharge of Sewage to Waters of the State.....	17
4.3.	Discharge of Sewage Creating a Nuisance.....	18
5.	Specifications.....	18
5.1.	Designation of a Legally Responsible Official .....	18
5.2.	Sewer System Management Plan Development and Implementation.....	18
5.3.	Certification of Sewer System Management Plan and Plan Updates .....	19
5.4.	Sewer System Management Plan Audits .....	19
5.5.	Six-Year Sewer System Management Plan Update .....	21
5.6.	System Resilience.....	22
5.7.	Allocation of Resources .....	22
5.8.	Designation of Data Submitters.....	22
5.9.	Reporting Certification.....	22
5.10.	System Capacity .....	23
5.11.	System Performance Analysis .....	23
5.12.	Spill Emergency Response Plan and Remedial Actions .....	23
5.13.	Notification, Monitoring, Reporting and Recordkeeping Requirements .....	24
5.14.	Electronic Sanitary Sewer System Service Area Boundary Map.....	26
5.15.	Voluntary Reporting of Spills from Privately-Owned Sewer Laterals and/or Private Sanitary Sewer Systems .....	26
5.16.	Voluntary Notification of Spills from Privately-Owned Laterals and/or Systems to the California Office of Emergency Services .....	27
5.17.	Unintended Failure to Report .....	27

## STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER

5.18. Duty to Report to Water Boards .....	27
5.19. Operation and Maintenance .....	27
6. Provisions .....	27
6.1. Enforcement Provisions .....	27
6.2. Other Regional Water Board Orders .....	30
6.3. Sewer System Management Plan Availability .....	31
6.4. Entry and Inspection .....	31

### Table of Attachments

Attachment A – Definitions .....	A-1
Attachment B – Application for Enrollment .....	B-1
Attachment C - Notice of Termination .....	C-1
Attachment D – Sewer System Management Plan – Required Elements .....	D-1
Attachment E1 – Notification, Monitoring, Reporting and Recordkeeping Requirements .....	E1-1
Attachment E2 – Summary of Notification, Monitoring and Reporting Requirements .....	E2-1
Attachment F – Regional Water Quality Control Board Contact Information .....	F-1

# STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER

## 1. INTRODUCTION

This General Order regulates sanitary sewer systems designed to convey sewage. For the purpose of this Order, a sanitary sewer system includes, but is not limited to, pipes, valves, pump stations, manholes, siphons, wet wells, diversion structures and/or other pertinent infrastructure, upstream of a wastewater treatment plant headworks. A sanitary sewer system includes:

- Laterals owned and/or operated by the Enrollee;
- Satellite sewer systems; and/or
- Temporary conveyance and storage facilities, including but not limited to temporary piping, vaults, construction trenches, wet wells, impoundments, tanks and diversion structures.

Sewage is untreated or partially treated domestic, municipal, commercial and/or industrial waste (including sewage sludge), and any mixture of these wastes with inflow or infiltration of stormwater or groundwater, conveyed in a sanitary sewer system.

Sewage contains high levels of suspended solids, non-digested organic waste, pathogenic bacteria, viruses, toxic pollutants, nutrients, oxygen-demanding organic compounds, oils, grease, pharmaceuticals, and other harmful pollutants.

For the purpose of this General Order, a spill is a discharge of sewage from any portion of a sanitary sewer system due to a sanitary sewer system overflow, operational failure, and/or infrastructure failure. Sewage and its associated wastewater spilled from a sanitary sewer system may threaten public health, beneficial uses of waters of the State, and the environment.

This General Order serves as statewide waste discharge requirements and supersedes the previous State Water Resources Control Board (State Water Board) Order 2006-0003-DWQ and amendments thereafter. All sections and attachments of this General Order are enforceable by the State Water Board and Regional Water Quality Control Boards (Regional Water Boards). Through this General Order, the State Water Board requires an Enrollee to:

- Comply with federal and state prohibitions of discharge of sewage to waters of the State, including federal waters of the United States;
- Comply with specifications, and notification, monitoring, reporting and recordkeeping requirements in this General Order that implement the federal Clean Water Act, the California Water Code (Water Code), water quality control plans (including Regional Water Board Basin Plans) and policies;
- Proactively operate and maintain resilient sanitary sewer systems to prevent spills;
- Eliminate discharges of sewage to waters of the State through effective implementation of a Sewer System Management Plan;
- Monitor, track, and analyze spills for ongoing system-specific performance improvements; and
- Report noncompliance with this General Order per reporting requirements.

# STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER

An Enrollee is a public, private, or other non-governmental entity that has obtained approval for regulatory coverage under this General Order, including:

- A state agency, municipality, special district, or other public entity that owns and/or operates one or more sanitary sewer systems:
  - greater than one (1) mile in length (each individual sanitary sewer system);
  - one (1) mile or less in length where the State Water Board or a Regional Water Board requires regulatory coverage under this Order; or
- A federal agency, private company, or other non-governmental entity that owns and/or operates a sanitary sewer system of any size where the State Water Board or a Regional Water Board requires regulatory coverage under this Order in response to a history of spills, proximity to surface water, or other factors supporting regulatory coverage.

For the purpose of this Order, a sanitary sewer system includes only systems owned and/or operated by the Enrollee.

## 2. REGULATORY COVERAGE AND APPLICATION REQUIREMENTS

### 2.1. Requirements for Continuation of Existing Regulatory Coverage

To continue regulatory coverage from previous Order 2006-0003-DWQ under this General Order, **within the 60-days-prior-to the Effective Date of this General Order**, the Legally Responsible Official of an existing Enrollee shall electronically certify the Continuation of Existing Regulatory Coverage form in the online California Integrated Water Quality System (CIWQS) Sanitary Sewer System Database. The Legally Responsible Official will receive an automated CIWQS-issued Notice of Applicability email, confirming continuation of regulatory coverage under this General Order. All regulatory coverage under previous Order 2006-0003-DWQ will cease on the Effective Date of this Order.

An Enrollee continuing existing regulatory coverage is not required to submit a new application package or pay an application fee for enrollment under this General Order. The annual fee due date for continued regulatory coverage from previous Order 2006-0003-DWQ to this General Order remains unchanged.

A previous Enrollee of Order 2006-0003-DWQ that fails to certify the Continuation of Existing Regulatory Coverage form in the online CIWQS database by the Effective Date of this Order is considered a New Applicant, and will not have regulatory coverage for its sanitary sewer system(s) until:

- A new application package for system(s) enrollment is submitted per section 2.2 (Requirements for New Regulatory Coverage) below; and
- The new application package is approved per section 2.2.2 (Approval of Application Package (For New Applicants Only)).

### 2.2. Requirements for New Regulatory Coverage

No later than 60 days prior to commencing and/or assuming operation and maintenance responsibilities of a sanitary sewer system, a duly authorized representative that

## STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER

maintains legal authority over the public or private sanitary sewer system is required to enroll under this General Order by submitting a complete application package as specified below and as provided in Attachment B (Application for Enrollment Form) of this General Order.

Unless required by a Regional Water Board, a public agency that owns a combined sewer system subject to the Combined Sewer Overflow Control Policy (33 U.S. Code § 1342(q)), is not required to enroll, under this Order, the portions of its sanitary sewer system(s) that collects combined sanitary wastewater and stormwater.

### 2.2.1. Application Package Requirements

The Application for Enrollment package for new applicants must include the following items:

- **Application for Enrollment Form.** The form in Attachment B of this General Order must be completed, signed, and certified by a Legally Responsible Official, in accordance with section 5.1 (Designation of a Legally Responsible Official) of this General Order. If an electronic Application for Enrollment form is available at the time of application, a new applicant shall submit its application form electronically; and
- **Application Fee.** A fee payable to the “State Water Resources Control Board” in accordance with the Fee Schedule in the California Code of Regulations, Title 23, section 2200, or subsequent fee regulations updates.

The application fee for this General Order is based on the sanitary sewer system’s threat to water quality and complexity designations of category 2C or 3C, which is assigned based on the population served by the system. The current Fee Schedule for sanitary sewer systems is listed under subdivision (a)(2) at the following website: [Fee Schedule](https://www.waterboards.ca.gov/resources/fees/water_quality/) ([https://www.waterboards.ca.gov/resources/fees/water\\_quality/](https://www.waterboards.ca.gov/resources/fees/water_quality/)).

### 2.2.2. Approval of Application Package (For New Applicants Only)

The Deputy Director of the State Water Board, Division of Water Quality (Deputy Director) will consider approval of each complete Application for Enrollment package. The Deputy Director will issue a Notice of Applicability letter which serves as approved regulatory coverage for the new Enrollee.

If the submitted application package is not complete in accordance with section 2.2.1 (Application Package Requirements) of this General Order, the Deputy Director will send a response letter to the applicant outlining the application deficiencies. The applicant will have 60 days from the date of the response letter to correct the application deficiencies and submit the identified items necessary to complete the application package to the State Water Board.

### 2.2.3. Electronic Reporting Account for New Enrollee

**Within 30 days after the date of the Approval of Complete Application Package for System Enrollment**, a duly authorized representative for the Enrollee shall obtain a CIWQS Sanitary Sewer System Database user account by clicking the “User Registration” button and following the directions on the [CIWQS Login Page](#)

# STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER

(<https://ciwqs.waterboards.ca.gov>). If additional assistance is needed to establish an online CIWQS user account, contact State Water Board staff by email at [CIWQS@waterboards.ca.gov](mailto:CIWQS@waterboards.ca.gov). The online user account will provide the Enrollee secure access to the online CIWQS database for electronic reporting.

## **2.3. Regulatory Coverage Transfer**

Regulatory coverage under this General Order is not transferable to any person or party except after an existing Enrollee submits a written request for a regulatory coverage transfer to the Deputy Director, at least 60 days in advance of any proposed system ownership transfer. The written request must include a written agreement between the existing Enrollee and the new Enrollee containing:

- Acknowledgement that the transfer of ownership is solely of an existing system with an existing waste discharge identification (WDID) number;
- The specific ownership transfer date in which the responsibility and regulatory coverage transfer between the existing Enrollee and the new Enrollee becomes effective; and
- Acknowledgement that the existing Enrollee is liable for violations occurring up to the ownership transfer date and that the new Enrollee is liable for violations occurring on and after the ownership transfer date.

The Deputy Director will consider approval of the written request. If approved, the Deputy Director will issue a Notice of Applicability letter which serves as an approved transfer of regulatory coverage to the new Enrollee.

## **3. FINDINGS**

### **3.1. Legal Authorities**

#### **3.1.1. Federal and State Regulatory Authority**

The objective of the Clean Water Act is to restore and maintain the chemical, physical, and biological integrity of the waters of the United States (33 U.S.C. 1251). The Water Code authorizes the State Water Board to implement the Clean Water Act in the State and to protect the quality of all waters of the State (Water Code sections 13000 and 13160).

#### **3.1.2. Discharge of Sewage**

A discharge of untreated or partially treated sewage is a discharge of waste as defined in Water Code section 13050(d) that could affect the quality of waters of the State and is subject to regulation by waste discharge requirements issued pursuant to Water Code section 13263 and Chapter 9, Division 3, Title 23 of the California Code of Regulations. A discharge of sewage may pollute and alter the quality of the waters of the State to a degree that unreasonably affects the beneficial uses of the receiving water body or facilities that serve those beneficial uses (Water Code section 13050(l)(1)).

## STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER

### **3.1.3 Water Boards Authority to Require Technical Reports, Monitoring, and Reporting**

Water Code sections 13267 and 13383 authorize the Regional Water Boards and the State Water Board to establish monitoring, inspection, entry, reporting, and recordkeeping requirements. Water Code section 13267(b), authorizes the Regional Water Boards to “require any person who has discharged, discharges, or is suspected of having discharged or discharging, or who proposes to discharge waste within its region... or is suspected of having discharged or discharging, or who proposes to discharge, waste outside of its region that could affect the quality of water within its region shall furnish, under penalty of perjury, technical or monitoring reports which the regional board requires...In requiring those reports, the regional board shall provide the person with a written explanation with regard to the need for the reports and shall identify the evidence that supports requiring that person to provide the reports.” Water Code section 13267(f) authorizes the State Water Board to require this information if it consults with the Regional Water Boards and determines that it will not duplicate the efforts of the Regional Water Boards. The State Water Board has consulted with the Regional Water Boards and made this determination.

The technical and monitoring reports required by this General Order and Attachment E (Notification, Monitoring, Reporting and Recordkeeping Requirements) are necessary to evaluate and ensure compliance with this General Order. The effort to develop required technical reports will vary depending on the system size and complexity and the needs of the specific technical report. The burden and cost of these reports are reasonable and consistent with the interest of the state in protecting water quality, which is the primary purpose of requiring the reports.

Water Code section 13383(a) authorizes the Water Boards to “establish monitoring, inspection, entry, reporting, and recordkeeping requirements... for any person who discharges, or proposes to discharge, to navigable waters, any person who introduces pollutants into a publicly owned treatment works, any person who owns or operates, or proposes to own or operate, a publicly owned treatment works or other treatment works treating domestic sewage, or any person who uses or disposes, or proposes to use or dispose, of sewage sludge.” Section 13383(b) continues, “the state board or the regional boards may require any person subject to this section to establish and maintain monitoring equipment or methods, including, where appropriate, biological monitoring methods, sample effluent as prescribed, and provide other information as may be reasonably required.”

Reporting of spills from privately owned sewer laterals and systems pursuant to section 5.15 (Voluntary Reporting of Spills from Privately-Owned Sewer Laterals and/or Private Sanitary Sewer Systems) of this General Order is authorized by Water Code section 13225(c) and encouraged by the State Water Board, wherein a local agency may investigate and report on any technical factors involved in water quality control provided the burden including costs of such reports bears a reasonable relationship to the need for the report and the benefits to be obtained therefrom. The burden of reporting private spills under section 5.15 (Voluntary Reporting of Spills from Privately-Owned Sewer Laterals and/or Private Sanitary Sewer Systems) is minimal and is outweighed by the benefit of providing Regional Water Boards an opportunity to respond to these spills

## STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER

when an Enrollee, which in many cases has a contractual relationship with the owner of the private system, has knowledge of the spills.

### **3.1.4. Water Board Authority to Prescribe General Waste Discharge Requirements**

Water Code section 13263(i) provides that the State Water Board may prescribe general waste discharge requirements for a category of discharges if the State Water Board finds or determines that:

- The discharges are produced by the same or similar operations;
- The discharges involve the same or similar types of waste;
- The discharges require the same or similar treatment standards; and
- The discharges are more appropriately regulated under general waste discharge requirements than individual waste discharge requirements.

Since 2006, the State Water Board has been regulating over 1,100 publicly owned sanitary sewer systems (See section 3.1.5 (Previous Statewide General Waste Discharge Requirements) of this General Order). California also has a large unknown number of unregulated privately owned sanitary sewer systems. All waste conveyed in publicly owned and privately owned sanitary sewer systems (as defined in this General Order) is comprised of untreated or partially treated domestic waste and/or industrial waste. Generally, sanitary sewer systems are designed and operated to convey waste by gravity or under pressure; system-specific design elements and system-specific operations do not change the common nature of the waste, the common threat to public health, or the common impacts on water quality. Spills of waste from a sanitary sewer system prior to reaching the ultimate downstream treatment facility are unauthorized and enforceable by the State Water Board and/or a Regional Water Board. Therefore, spills from sanitary sewer systems are more appropriately regulated under general waste discharge requirements.

As specified in Water Code sections 13263(a) and 13241, the implementation of requirements set forth in this Order is for the reasonable protection of past, present, and probable future beneficial uses of water and the prevention of nuisance. The requirements implement the water quality control plans (Basin Plans) for each Regional Water Board and take into account the environmental characteristics of sewer service areas and hydrographic units within the state. Additionally, the State Water Board has considered water quality conditions that could reasonably be achieved through the coordinated control of all factors that affect water quality, costs associated with compliance with these requirements, the need for developing housing within California, and the need to protect sources of drinking water and other water supplies.

### **3.1.5. Previous Statewide General Waste Discharge Requirements**

On May 2, 2006, the State Water Board adopted Order 2006-0003-DWQ serving as Waste Discharge Requirements pursuant to Article 4, Chapter 4, Division 7 of the Water Code (commencing with section 13260) for inadvertent discharges to waters of the State. Order 2006-0003-DWQ prohibited discharges of untreated or partially treated sewage. Order 2006-0003-DWQ also required system-specific management, operation, and maintenance of publicly owned sewer systems greater than one mile in length.

## STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER

To decrease the impacts on human health and the environment caused by sewage spills, the previous Order required enrollees to develop a rehabilitation and replacement plan that identifies system deficiencies and prioritizes short-term and long-term rehabilitation actions. The previous Order also required enrollees to:

1. Maintain information that can be used to establish and prioritize appropriate Sewer System Management Plan activities; and
2. Implement a proactive approach to reduce spills.

The previous Order required Sewer System Management Plan elements for “the proper and efficient management, operation, and maintenance of sanitary sewer systems, while taking into consideration risk management.”

On July 30, 2013, the State Water Board amended General Order 2006-0003-DWQ with Order WQ 2013-0058-EXEC, Amending Monitoring and Reporting Program for Statewide General Waste Discharge Requirements for Sanitary Sewer Systems.

Many enrollees of Order 2006-0003-DWQ have already implemented proactive measures to reduce sewage spills. Other enrollees, however, still need technical assistance and funding to improve sanitary sewer system operation and maintenance for the reduction of sewage spills.

### **3.1.6. Existing Memorandum of Agreement with California Water Environment Association**

The California Water Environment Association is a nonprofit organization dedicated to providing water industry certifications, training, and networking opportunities. The Association’s Technical Certification Program provides accredited sanitary sewer system operator certification for collection system operators and maintenance workers.

On February 10, 2016, the State Water Board entered into a collaborative agreement with the Association titled *Memorandum of Agreement Between the California State Water Resources Control Board and the California Water Environment Association - Training Regarding Requirements Set Forth in Statewide General Waste Discharge Requirements for Sanitary Sewer Systems*. The Memorandum sets forth collaborative training necessary for regulated sanitary sewer system personnel to operate and maintain a well operating system and ensure full compliance with statewide sewer system regulations.

On March 15, 2018, the State Water Board and the California Water Environment Association amended the existing Memorandum of Agreement to include collaborative outreach and expand training needs associated with further updates to Water Board regulations for sanitary sewer systems. The State Water Board encourages further Agreement updates as necessary to support improved sewer system operations and the professionalism of collection system operators.

# STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER

## 3.2. General

### 3.2.1. Waters of the State

Waters of the State include any surface water or groundwater, including saline waters, within the boundaries of the state as defined in Water Code section 13050(e), and are inclusive of waters of the United States.

### 3.2.2. Sanitary Sewer System Spill Threats to Public Health and Beneficial Uses

Sewage contains high levels of suspended solids, pathogenic organisms, toxic pollutants, nutrients, oxygen-demanding organic compounds, oil and grease and other pollutants. Sewage spills may cause a public nuisance, particularly when sewage is discharged to areas with high public exposure such as streets and surface waters used for drinking, irrigation, fishing, recreation, or other public consumption or contact uses.

More specifically, sanitary sewer spills may:

- Adversely affect aquatic life and/or threaten water quality when reaching receiving waters;
- Inadvertently release trash, including plastics;
- Impair the recreational use and aesthetic enjoyment of surface waters by polluting surface water or groundwater;
- Threaten public health through direct public exposure to bacteria, viruses, intestinal parasites, and other microorganisms that can cause serious illness such as gastroenteritis, hepatitis, cryptosporidiosis, and giardiasis;
- Negatively impact ecological receptors and biota within surface waters; and
- Cause nuisance including odors, closure of beaches and recreational areas, and property damage.

Sanitary sewer system spills may pollute receiving waters and threaten beneficial uses of surface water and groundwater. Potentially threatened beneficial uses include, but are not limited to the following (with associated acronym representations as included in statewide water quality control plans and Regional Water Boards' Basin Plans):

- Municipal and Domestic Supply (MUN)
- Water Contact Recreation (REC-1) and Non-Contact Water Recreation (REC-2)
- Cold Freshwater Habitat (COLD)
- Warm Freshwater Habitat (WARM)
- Native American Culture (CUL)
- Wildlife Habitat (WILD)
- Rare, Threatened, or Endangered Species (RARE)
- Spawning, Reproduction, and/or Early Development (SPWN)
- Wetland Habitat (WET)
- Agricultural Supply (AGR)
- Estuarine Habitat (EST)

## STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER

- Commercial and Sport Fishing (COMM)
- Subsistence Fishing (SUB)
- Tribal Tradition and Culture (CUL)
- Tribal Subsistence Fishing (T-SUB)
- Aquaculture (AQUA)
- Marine Habitat (MAR)
- Preservation of Biological Habitats of Special Significance (BIOL)
- Migration of Aquatic Organisms (MIGR)
- Shellfish Harvesting (SHELL)
- Industrial Process Supply (PROC)
- Industrial Service Supply (IND)
- Hydropower Generation (POW)
- Navigation (NAV)
- Flood Peak Attenuation/Flood Water Storage (FLD)
- Water Quality Enhancement (WQE)
- Fresh Water Replenishment (FRSH)
- Groundwater Recharge (GWR)
- Inland Saline Water Habitat (SAL)

### **3.2.3. Proactive Sanitary Sewer System Management to Eliminate Spill Causes**

Finding 3 of the previous Order, 2006-0003-DWQ, states: "Sanitary sewer systems experience periodic failures resulting in discharges that may affect waters of the state. There are many factors (including factors related to geology, design, construction methods and materials, age of the system, population growth, and system operation and maintenance), which affect the likelihood of an SSO [sanitary sewer overflow]. A proactive approach that requires Enrollees to ensure a system-wide operation, maintenance, and management plan is in place will reduce the number and frequency of SSOs within the state. This approach will in turn decrease the risk to human health and the environment caused by SSOs."

Many spills are preventable through proactive attention on sanitary sewer system management using the best practices and technologies available to address major causes of spills, including but not limited to:

- Blockages from sources including but not limited to:
  - Fats, oils and grease;
  - Tree roots;
  - Rags, wipes and other paper, cloth and plastic products; and
  - Sediment and debris.
- Sewer system damage and exceedance of sewer system hydraulic capacity from identified system-specific environmental, and climate-change impacts, including but not limited to:

## STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER

- Sea level rise impacts including flooding, coastal erosion, seawater intrusion, tidal inundation and submerged lands;
- Increased surface water flows due to higher intensity rain events;
- Flooding;
- Wildfires and wildfire induced impacts;
- Earthquake induced damage;
- Landslides; and
- Subsidence.
- Infrastructure deficiencies and failures, including but not limited to:
  - Pump station mechanical failures;
  - System age;
  - Construction material failures;
  - Manhole cover failures;
  - Structural failures; and
  - Lack of proper operation and maintenance.
- Insufficient system capacity (temporary or sustained), due to factors including but not limited to:
  - Excessive and/or increased storm or groundwater inflow/infiltration;
  - Insufficient capacity due to population increase and/or new connections from industrial, commercial and other system users; and
  - Stormwater capture projects utilizing a sanitary sewer system to convey stormwater to treatment facilities for reuse.
- Community impacts, including but not limited to:
  - Power outages;
  - Vandalism; and
  - Contractor-caused or other third party-caused damages.

### **3.2.4. Underground Sanitary Sewer System Leakage**

Portions of some sanitary sewer systems may leak, causing underground exfiltration (exiting) of sewage from the system. Exfiltrated sewage that remains in the underground infrastructure trench and/or the soil matrix, and that does not discharge into waters of the State (surface water or groundwater) may not threaten beneficial uses.

Underground exfiltrated sewage may threaten beneficial uses if discharged to waters of the State. Exfiltrated sewage that discharges to groundwater may impact beneficial uses of groundwater and pollute groundwater supply. Additionally, if in close proximity, exfiltrated sewage may enter into a compromised underground drainage conveyance system that discharges into a water of the United States, or into groundwater that is hydrologically connected to (feeds into) a water of the United States, thus potentially causing: (1) a Clean Water Act violation, (2) threat and impact to beneficial uses, and/or (3) surface water pollution.

## STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER

### **3.2.5. Proactive Sanitary Sewer System Management to Reduce Inflow and Infiltration**

Excessive inflow (stormwater entering) and infiltration (groundwater seepage entering) to sanitary sewer systems is preventable through proactive sewer system management using the best practices and technologies available. The efficiency of the downstream wastewater treatment processes is dependent on the performance of the sanitary sewer system. When the structural integrity of a sanitary sewer system deteriorates, high volumes of inflow and infiltration can enter the sewer system. High levels of inflow and infiltration increase the hydraulic load on the downstream treatment plant, which can reduce treatment efficiency, lead to bypassing a portion of the treatment process, cause illegal discharge of partially treated effluent, or in extreme situations make biological treatment facilities inoperable (e.g., wash out the biological organisms that treat the waste).

### **3.3. Water Quality Control Plans, Policies and Resolutions**

The nine Regional Water Boards have adopted region-specific water quality control plans (commonly referred to as Basin Plans) that designate beneficial uses, establish water quality objectives, and contain implementation programs and policies to achieve those objectives. The State Water Board has adopted statewide water quality control plans, policies and resolutions establishing statewide water quality objectives, implementation programs and initiatives.

#### **3.3.1. State Water Board Antidegradation Policy**

On October 28, 1968, the State Water Board adopted Resolution 68-16, titled Statement of Policy with Respect to Maintaining High Quality of Waters in California, which incorporates the federal antidegradation policy. Resolution 68-16 requires that existing water quality be maintained unless degradation is justified based on specific findings.

The continued prohibition of sewage discharges from sanitary sewer systems into waters of the State aligns with Resolution 68-16. A sewage discharge from sanitary sewers to waters of the State is prohibited by this Order. Therefore, this Order does not allow degradation of waters of the State. In addition, this Order: (1) further expands the existing prohibition of sewage discharges to include waters of the State, in addition to waters of the United States as provided in previous Order 2006-0003-DWQ, and (2) enhances the ability for Water Board enforcement of violations of the established prohibitions.

#### **3.3.2. State Water Board Sources of Drinking Water Policy**

On May 19, 1988, the State Water Board adopted Resolution 88-63 (amended on February 1, 2006), titled Sources of Drinking Water, establishing state policy that all waters of the State, with certain exceptions, are suitable or potentially suitable for municipal or domestic supply.

#### **3.3.3. State Water Board Cost of Compliance Resolution**

On September 24, 2013, the State Water Board adopted Resolution 2013-0029, titled Directing Actions in Response to Efforts by Stakeholders on Reducing Costs of

## STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER

Compliance While Maintaining Water Quality Protection. Through this resolution, the State Water Board committed to continued stakeholder engagement in identifying and implementing measures to reduce costs of compliance with regulatory orders while maintaining water quality protection and improving regulatory program outcomes.

### **3.3.4. State Water Board Human Right to Water Resolution**

On February 16, 2016, the State Water Board adopted Resolution 2016-0010, titled Adopting the Human Right to Water as a Core Value and Directing its Implementation in Water Board Programs and Activities, addressing the human right to water as a core value and directing Water Board programs to implement requirements to support safe drinking water for all Californians.

On November 16, 2021, the State Water Board adopted Resolution 2021-0050 titled Condemning Racism, Xenophobia, Bigotry, and Racial Injustice, and Strengthening Commitment to Racial Equity, Diversity, Inclusion, Access, and Anti-racism. Among other actions, through Resolution 2021-0050, the State Water Board, in summary as corresponding to this General Order, reaffirms its commitment to its Human Right to Water resolution, upholding that every human being in California deserves safe, clean, affordable, and accessible water for human consumption, cooking, and sanitation purposes. Resolution 2021-0050 provides the State Water Board commitment to:

- Protect public health and beneficial uses of waterbodies in all communities, including communities disproportionately burdened by wastes discharge of waste to land and surface water;
- Restore impaired surface waterbodies and degraded aquifers; and
- Promote multi-benefit water quality projects.

Through Resolution 2021-0050, the State Water Board also commits to expanding implementation of its Climate Change Resolution to address the disproportionate effects of extreme hydrologic conditions and sea-level rise on Black, Indigenous, and people of color communities, prioritizing:

- The right to safe, clean, affordable, and accessible drinking water and sanitation;
- Sustainable management and protection of local groundwater resources;
- Healthy watersheds; and
- Access to surface waterbodies that support subsistence fishing.

On June 7, 2022, the State Water Board adopted a Resolution, titled Authorizing the Executive Director or Designee to Enter into One or More Multi-Year Contracts Up to a Combined Sum of \$4,000,000 for a Statewide Wastewater Needs Assessment, supporting the equitable access to sanitation for all Californians and implementation of Resolutions 2016-0010 and 2021-0050.

This General Order supports the State Water Board priority in collecting a comprehensive set of data for California's wastewater systems, including sanitary sewer systems. Data reported per the requirements of this Order will be used with data from other Water Boards' programs, to further develop criteria and create a statewide risk

## STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER

framework to prioritize critical funding and infrastructure investments for California's most vulnerable populations, including disadvantaged or severely disadvantaged communities with inadequate or failing sanitation systems and threatened access to healthy drinking water supplies.

### **3.3.5. State Water Board Open Data Resolution**

On July 10, 2018, the State Water Board adopted Resolution 2018-0032, titled Adopting Principles of Open Data as a Core Value and Directing Programs and Activities to Implement Strategic Actions to Improve Data Accessibility and Associated Innovation, directing regulatory programs to assure all monitoring and reporting requirements support the State Water Boards' Open Data Initiative.

### **3.3.6. State Water Board Response to Climate Change**

On March 7, 2017, the State Water Board adopted Resolution 2017-0012, titled Comprehensive Response to Climate Change, requiring a proactive response to climate change in all California Water Board actions, with the intent to embed climate change consideration into all programs and activities.

## **3.4. California Environmental Quality Act**

The adoption of this Order is an action to reissue general waste discharge requirements that is exempt from the California Environmental Quality Act (Public Resources Code section 21000 et seq.) because it is an action taken by a regulatory agency to assure the protection of the environment and the regulatory process involves procedures for protection of the environment (Cal. Code Regs., Title 14, section 15308). In addition, the action to adopt this Order is exempt from CEQA pursuant to Cal. Code Regs., Title 14, section 15301, to the extent that it applies to existing sanitary sewer collection systems that constitute "existing facilities" as that term is used in sections 15301 and 15302, to the extent that it results in the repair or replacement of existing systems involving negligible or no expansion of capacity.

## **3.5. State Water Board Funding Assistance for Compliance with Water Board Water Quality Orders**

The State Water Board, Division of Financial Assistance administers the implementation of the State Water Board financial assistance programs, per Board-adopted funding policies. Among other funding areas, the Division administers loan and grant funding for the planning and construction of wastewater and water recycling facilities per funding program-specific policies and guidelines. Applicants may apply for Clean Water State Revolving Fund low-interest loan, Small Community Wastewater grant funding assistance, and other funding available at the time of application, for some of the costs associated with complying with this General Order.

Funding applicants may obtain further information regarding current funding opportunities, and Division of Financial Assistance staff contact information at the following website: [Financial Assistance Funding - Grants and Loans | California State Water Resources Control Board.](https://www.waterboards.ca.gov/water_issues/programs/grants_loans/)

([https://www.waterboards.ca.gov/water\\_issues/programs/grants\\_loans/](https://www.waterboards.ca.gov/water_issues/programs/grants_loans/))

## STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER

Section 13477.6 of the Water Code authorizes the Small Community Grant Fund. The Small Community Grant Fund allows the State Water Board to provide grant funding assistance to small, disadvantaged communities and small severely disadvantaged communities that may not otherwise be able to afford a loan or similar financing for projects to comply with requirements of this General Order. The State Water Board also considers loan forgiveness on a disadvantaged community-specific basis.

For disadvantaged communities' wastewater needs, the State Water Board places priority on the funding of projects that address:

- Public health;
- Violations of waste discharge requirements and National Pollutant Discharge Elimination System (NPDES) permits;
- Providing sewer system service to existing septic tank owners; and
- High priority public health and water quality concerns identified by a Regional Water Board.

### **3.6. Notification to Interested Parties**

On January 31, 2022, the State Water Board notified interested parties and persons of its intent to reissue Sanitary Sewer Systems General Order 2006-0003-DWQ by issuing a draft General Order for a 60-day public comment period. State Water Board staff conducted extensive stakeholder outreach and encouraged public participation in the adoption process for this General Order. On March 15, 2022, the State Water Board held a public meeting to hear and consider oral public comments. The State Water Board considered all public comments prior to adopting this General Order.

**THEREFORE, IT IS HEREBY ORDERED**, that pursuant to Water Code sections 13263, 13267, and 13383 this General Order supersedes Order 2006-0003-DWQ, Order WQ 2013-0058-EXEC, and any amendments made to these Orders thereafter, except for enforcement purposes and to meet the provisions contained in Division 7 of the Water Code (commencing with section 13000) and regulations adopted thereunder, and the provisions of the Clean Water Act and regulations and guidelines adopted thereunder, the Enrollee shall comply with the requirements in this Order.

## **4. PROHIBITIONS**

### **4.1 Discharge of Sewage from a Sanitary Sewer System**

Any discharge from a sanitary sewer system that has the potential to discharge to surface waters of the State is prohibited unless it is promptly cleaned up and reported as required in this General Order.

### **4.2. Discharge of Sewage to Waters of the State**

Any discharge from a sanitary sewer system, discharged directly or indirectly through a drainage conveyance system or other route, to waters of the State is prohibited.

# STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER

## 4.3. Discharge of Sewage Creating a Nuisance

Any discharge from a sanitary sewer system that creates a nuisance or condition of pollution as defined in Water Code section 13050(m) is prohibited.

## 5. SPECIFICATIONS

### 5.1. Designation of a Legally Responsible Official

The Enrollee shall designate a Legally Responsible Official that has authority to ensure the enrolled sanitary sewer system(s) complies with this Order, and is authorized to serve as a duly authorized representative. The Legally Responsible Official must have responsibility over management of the Enrollee's entire sanitary sewer system, and must be authorized to make managerial decisions that govern the operation of the sanitary sewer system, including having the explicit or implicit duty of making major capital improvement recommendations to ensure long-term environmental compliance. The Legally Responsible Official must have or have direct authority over individuals that:

- Possess a recognized degree or certificate related to operations and maintenance of sanitary sewer systems, and/or
- Have professional training and experience related to the management of sanitary sewer systems, demonstrated through extensive knowledge, training and experience.

For example, a sewer system superintendent or manager, an operations manager, a public utilities manager or director, or a district engineer may be designated as a Legally Responsible Official.

The Legally Responsible Official shall complete the electronic [CIWQS "User Registration" form](https://ciwqs.waterboards.ca.gov/ciwqs(newUser.jsp)) ([https://ciwqs.waterboards.ca.gov/ciwqs\(newUser.jsp\)](https://ciwqs.waterboards.ca.gov/ciwqs(newUser.jsp))). A Legally Responsible Official that represents multiple enrolled systems shall complete the electronic CIWQS "User Registration" form for each system.

The Enrollee shall submit any change to its Legally Responsible Official, and/or change in contact information, to the State Water Board within 30 calendar days of the change by emailing [ciwqs@waterboards.ca.gov](mailto:ciwqs@waterboards.ca.gov) and copying the appropriate Regional Water Board as provided in Attachment F (Regional Water Quality Control Board Contact Information) of this General Order.

### 5.2. Sewer System Management Plan Development and Implementation

To facilitate adequate local funding and management of its sanitary sewer system(s), the Enrollee shall develop and implement an updated Sewer System Management Plan. The scale and complexity of the Sewer System Management Plan, and specific elements of the Plan, must match the size, scale and complexity of the Enrollee's sanitary sewer system(s). The Sewer System Management Plan must address, at minimum, the required Plan elements in Attachment D (Sewer System Management Plan – Required Elements) of this General Order. To be effective, the Sewer System Management Plan must include procedures for the management, operation, and maintenance of the sanitary sewer system(s). The procedures must: (1) incorporate the

## STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER

prioritization of system repairs and maintenance to proactively prevent spills, and (2) address the implementation of current standard industry practices through available equipment, technologies, and strategies.

For an existing Enrollee under Order 2006-0003-DWQ that has certified its Continuation of Existing Regulatory Coverage, per section 2.1 (Requirements for Continuation of Existing Regulatory Coverage) of this General Order:

**Within six (6) months of the Adoption Date of this General Order:**

- The Legally Responsible Official shall upload the Enrollee's existing Sewer System Management Plan to the online CIWQS Sanitary Sewer System Database.

For a new Enrollee:

**Within twelve (12) months of the Application for Enrollment approval date:**

- The governing entity of the new Enrollee shall approve its Sewer System Management Plan; and
- The Legally Responsible Official shall certify and upload its Sewer System Management Plan to the online CIWQS Sanitary Sewer System Database.

### **5.3. Certification of Sewer System Management Plan and Plan Updates**

The Legally Responsible Official shall certify and upload its Sewer System Management Plan and all subsequent updates to the online CIWQS Sanitary Sewer System Database.

### **5.4. Sewer System Management Plan Audits**

The Enrollee shall conduct an internal audit of its Sewer System Management Plan, and implementation of its Plan, at a minimum frequency of once every three years. The audit must be conducted for the period after the end of the Enrollee's last required audit period. **Within six months after the end of the required 3-year audit period**, the Legally Responsible Official shall submit an audit report into the online CIWQS Sanitary Sewer System Database per the requirements in section 3.10 (Sewer System Management Plan Audit Reporting Requirements) of Attachment E1 of this General Order.

Audit reports submitted to the CIWQS Sanitary Sewer System Database will be viewable only to Water Boards staff.

The internal audit shall be appropriately scaled to the size of the system(s) and the number of spills. The Enrollee's sewer system operators must be involved in completing the audit. At minimum, the audit must:

- Evaluate the implementation and effectiveness of the Enrollee's Sewer System Management Plan in preventing spills;
- Evaluate the Enrollee's compliance with this General Order;
- Identify Sewer System Management Plan deficiencies in addressing ongoing spills and discharges to waters of the State; and

## STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER

- Identify necessary modifications to the Sewer System Management Plan to correct deficiencies.

The Enrollee shall submit a complete audit report that includes:

- Audit findings and recommended corrective actions;
- A statement that sewer system operators' input on the audit findings has been considered; and
- A proposed schedule for the Enrollee to address the identified deficiencies.

A new Enrollee of this General Order (that did not have a sanitary sewer system enrolled in the previous State Water Board Order 2006-0003-DWQ) shall conduct its first internal Sewer System Management Plan audit for the time period between the date of submittal of its certified Sewer System Management Plan and the third subsequent December 31<sup>st</sup> date. The audit report must be submitted into the online CIWQS Sanitary Sewer System Database **by July 1 of the following calendar year**.

See the following tables for clarification:

### Initial Audit Period and Audit Due Date for New Enrollees

	Audit Period	Audit Due Date
New Enrollee	Certified Sewer System Management Plan Submittal Date through the third subsequent December 31 <sup>st</sup> date	July 1 <sup>st</sup> date after audit period
Example	<i>Certified Sewer System Management Plan Submittal Date of August 2, 2025 Audit Period of August 2, 2025 through December 31, 2027</i>	<i>July 1, 2028</i>

## STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER

### Initial Audit Period for Transition from 2-Year Audit Required in Previous Order 2006-0003-DWQ to 3-Year Audit Required in this General Order

	Audit Period	Audit Due Date
An Enrollee previously regulated by Order 2006-003-DWQ	A 3-year period starting from the end of last required 2-year Audit Period	Within six months after end of 3-year Audit Period
<i>Example</i>	<i>Last required Audit Period start date of August 2, 2021; Audit Period of August 2, 2021 through August 1, 2024</i>	<i>February 1, 2025</i>

### Three-Year Ongoing Audit Period

	Audit Period	Audit Due Date
Each Enrollee	A 3-year period starting from the end of last required Audit Period	Within six months after end of 3-year Audit Period

### 5.5. Six-Year Sewer System Management Plan Update

At a minimum, the Enrollee shall update its Sewer System Management Plan every six (6) years after the date of its last Plan Update due date. (For an Enrollee previously regulated by Order 2006-0003-DWQ, the six-year period shall commence on the due date identified in section 3.11 of Attachment E1 (Notification, Monitoring, Reporting and Recordkeeping Requirements) of this Order. The Updated Sewer System Management Plan must include:

- Elements required in Attachment D (Sewer System Management Plan – Required Elements) of this Order;
- Summary of revisions included in the Plan update based on internal audit findings; and
- Other sewer system management-related changes.

The Enrollee's governing entity shall approve the updated Plan. The Legally Responsible Official shall upload and certify the approved updated Plan in the online CIWQS Sanitary Sewer System Database in accordance with section 3.11 (Sewer System Management Plan Reporting Requirements) of Attachment E1 (Notification, Monitoring, Reporting and Recordkeeping Requirements) of this General Order. During the time period in between Plan updates, the Enrollee shall continuously document changes to its Sewer System Management Plan in a change log attached to the Plan.

# STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER

## **5.6. System Resilience**

The Enrollee shall include and implement system-specific procedures in its Sewer System Management Plan to proactively prioritize: (1) operation and maintenance, (2) condition assessments, and (3) repair and rehabilitation, to address ongoing system resilience, as specified in Attachment D (Sewer System Management Plan – Required Elements) of this General Order.

## **5.7. Allocation of Resources**

The Enrollee shall:

- Establish and maintain a means to manage all necessary revenues and expenditures related to the sanitary sewer system; and
- Allocate the necessary resources to its sewer system management program for:
  - Compliance with this General Order,
  - Full implementation of its updated Sewer System Management Plan,
  - System operation, maintenance, and repair, and
  - Spill responses.

## **5.8. Designation of Data Submitters**

The Legally Responsible Official may designate one or more individuals as a Data Submitter for reporting of spill data. The Legally Responsible Official shall authorize the designation of Data Submitter(s) through the online [CIWQS database](https://ciwqs.waterboards.ca.gov) (<https://ciwqs.waterboards.ca.gov>) prior to the individuals establishing a [CIWQS user account](https://ciwqs.waterboards.ca.gov/ciwqs/newUser.jsp) (<https://ciwqs.waterboards.ca.gov/ciwqs/newUser.jsp>) and entering spill data into the online CIWQS Sanitary Sewer System Database.

The Legally Responsible Official shall submit any change to its Data Submitter(s), and/or change in Data Submitter contact information, to the State Water Board within 30 calendar days of the change, by emailing [ciwqs@waterboards.ca.gov](mailto:ciwqs@waterboards.ca.gov) and copying the appropriate Regional Water Board as provided in Attachment F (Regional Water Quality Control Board Contact Information) of this General Order.

## **5.9. Reporting Certification**

The Legally Responsible Official shall electronically certify, on the Enrollee's behalf, all applications, reports, the Sewer System Management Plan(s) and corresponding updates, and other information submitted electronically into the online CIWQS Sanitary Sewer System Database, as follows:

*"I certify under penalty of perjury under the laws of the State of California that the electronically submitted information was prepared under my direction or supervision. Based on my inquiry of the person(s) directly responsible for gathering the information, to the best of my knowledge and belief, the information submitted is true, accurate, and complete, and complies with the Statewide Sanitary Sewer Systems General Order. I am aware that there are significant penalties for submitting false information."*

## STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER

Hardcopy submittals to the State Water Board must be accompanied by the above certification statement.

### 5.10. System Capacity

The Enrollee shall maintain the system capacity necessary to convey: (1) base flows during dry weather conditions, and (2) wet weather peak flows consistent with designated local historic storms. Design storms must take into account system-specific stormwater contributions via inflow and infiltration, and location-specific depth of groundwater and storm frequencies. The Enrollee shall implement capital improvements to provide adequate hydraulic capacity to:

- Meet or exceed the design criteria as defined in the Enrollee's System Evaluation and Capacity Assurance element of its Sewer System Management Plan; and
- Prevent system capacity-related spills, and adverse impacts to the treatment efficiency of downstream wastewater treatment facilities.

### 5.11. System Performance Analysis

The Enrollee shall include a running 10-year system performance analysis in its Annual Report. The analysis must include two CIWQS-generated graphs presenting the following information:

#### **Graph 1 – Total Spill Volume per Year:**

X axis: A 10-year period which includes the current calendar year and the nine previous calendar years;

Y axis: The total spill volume, per Spill Category, for each calendar year.

#### **Graph 2 – Total Number of Spills per Year:**

X axis: A 10-year period which includes the current calendar year and the nine previous calendar years;

Y axis: The total number of spills, per Spill Category, for each calendar year.

The current calendar year is the calendar year covered in the Annual Report.

The Enrollee shall generate the graphs in CIWQS, using the existing data in the online CIWQS Sanitary Sewer System Database at the following graph generation link: ([https://ciwqs.waterboards.ca.gov/ciwqs/readOnly/PublicReportSSOServlet?reportAction=criteria&reportId=sso\\_operation\\_report](https://ciwqs.waterboards.ca.gov/ciwqs/readOnly/PublicReportSSOServlet?reportAction=criteria&reportId=sso_operation_report)).

### 5.12. Spill Emergency Response Plan and Remedial Actions

For Existing Enrollees (with regulatory coverage under Order 2006-0003-DWQ):

**Within six (6) months of the Adoption Date of this General Order**, the Enrollee shall update and implement its Spill Emergency Response Plan, per Attachment D, section 6 (Spill Emergency Response Plan) of this General Order.

# STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER

## For New Enrollees:

**Within six (6) months of the Application for Enrollment approval date**, the Enrollee shall develop and implement a Spill Emergency Response Plan, per Attachment D, section 6 (Spill Emergency Response Plan) of this General Order.

The Enrollee shall certify, in its Annual Report, that its Spill Emergency Response Plan is up to date.

The Spill Emergency Response Plan shall include measures to protect public health and the environment. The Enrollee shall respond to spills from its system(s) in a timely manner that minimizes water quality impacts and nuisance by:

- Immediately stopping the spill and preventing/minimizing a discharge to waters of the State;
- Intercepting sewage flows to prevent/minimize spill volume discharged into waters of the State;
- Thoroughly recovering, cleaning up and disposing of sewage and wash down water; and
- Cleaning publicly accessible areas while preventing toxic discharges to waters of the State.

## **5.13. Notification, Monitoring, Reporting and Recordkeeping Requirements**

The Enrollee shall comply with notification, monitoring, reporting, and recordkeeping requirements in Attachment E1 of this General Order.

### **5.13.1. Spill Categories**

Individual spill notification, monitoring and reporting must be in accordance with the following spill categories:

#### **• Category 1 Spill**

A Category 1 spill is a spill of any volume of sewage from or caused by a sanitary sewer system regulated under this General Order that results in a discharge to:

- A surface water, including a surface water body that contains no flow or volume of water; or
- A drainage conveyance system that discharges to surface waters when the sewage is not fully captured and returned to the sanitary sewer system or disposed of properly.

Any spill volume not recovered from a drainage conveyance system is considered a discharge to surface water, unless the drainage conveyance system discharges to a dedicated stormwater infiltration basin or facility.

## STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER

A spill from an Enrollee-owned and/or operated lateral that discharges to a surface water is a Category 1 spill; the Enrollee shall report all Category 1 spills per section 3.1 of Attachment E1 (Notification, Monitoring, Reporting and Recordkeeping Requirements) of this General Order.

- **Category 2 Spill**

A Category 2 spill is a spill of 1,000 gallons or greater, from or caused by a sanitary sewer system regulated under this General Order that does not discharge to a surface water.

A spill of 1,000 gallons or greater that spills out of a lateral and is caused by a failure or blockage in the sanitary sewer system, is a Category 2 spill.

- **Category 3 Spill**

A Category 3 spill is a spill of equal to or greater than 50 gallons and less than 1,000 gallons, from or caused by a sanitary sewer system regulated under this General Order that does not discharge to a surface water.

A spill of equal to or greater than 50 gallons and less than 1,000 gallons, that spills out of a lateral and is caused by a failure or blockage in the sanitary sewer system is a Category 3 spill.

- **Category 4 Spill**

A Category 4 spill is a spill of less than 50 gallons, from or caused by a sanitary sewer system regulated under this General Order that does not discharge to a surface water.

A spill of less than 50 gallons that spills out of a lateral and is caused by a failure or blockage in the sanitary sewer system is a Category 4 spill.

### 5.13.2. Annual Report

The Enrollee shall submit an Annual Report (previously termed as Collection System Questionnaire in Order 2006-0003-DWQ) as specified in section 3.9 (Annual Report) of Attachment E1 (Notification, Monitoring, Reporting and Recordkeeping Requirements) of this General Order.

**For new Enrollees: Within 30 days of obtaining a CIWQS account**, a new Enrollee shall submit its initial Annual Report, as specified in section 3.9 (Annual Report) of Attachment E1 (Notification, Monitoring, Reporting and Recordkeeping Requirements) of this General Order.

## STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER

### **5.14. Electronic Sanitary Sewer System Service Area Boundary Map**

**For continuing enrollees, starting on July 1, 2025, and no later than December 31, 2025:**

**For new enrollees – no earlier than July 1, 2025, or within 12 months of the Application for Enrollment approval date, whichever date is later:**

The Legally Responsible Official shall submit, to the State Water Board, geospatial data detailing the locations of the Enrollee's sanitary sewer system service area boundary, per the required content and specifications in section 3.8 (Electronic Sanitary Sewer System Service Area Boundary Map) of Attachment E1 of this General Order, for each system identified by a WDID number.

An Enrollee of a disadvantaged community that may need assistance developing an electronic map to comply with this requirement, may contact State Water Board staff for assistance at [SanitarySewer@waterboards.ca.gov](mailto:SanitarySewer@waterboards.ca.gov).

### **5.15. Voluntary Reporting of Spills from Privately-Owned Sewer Laterals and/or Private Sanitary Sewer Systems**

Within 24 hours of becoming aware of a spill (as described below) from a private sewer lateral or private sanitary sewer system that is not owned/operated by the Enrollee, the Enrollee is encouraged to report the following observations to the online CIWQS Sanitary Sewer System Database at the following link:

<https://ciwqs.waterboards.ca.gov>:

- A spill equal or greater than 1,000 gallons that discharges (or has a potential to discharge) to a water of the State, or a drainage conveyance system that discharges to waters of the State; **or**
- Any volume of sewage that discharges (or has a potential to discharge) to surface waters.

In the CIWQS module, the Enrollee is encouraged to identify:

- Time of observation;
- Description of general spill location (for example, street name and cross street names);
- Estimated volume of spill;
- If known, general description of spill destination (for example, flowing into drainage channel, flowing directly into a creek, etc.); and
- If known, name of private system owner/operator.

The CIWQS database will make the name and contact information of the entity voluntarily reporting a private spill, accessible to State and Regional Water Board staff only. The CIWQS database will only make information regarding the actual spill, accessible to the public.

## STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER

### **5.16. Voluntary Notification of Spills from Privately-Owned Laterals and/or Systems to the California Office of Emergency Services**

Upon observing or acquiring knowledge of any of the following from a private sewer lateral or private sanitary sewer system that is not owned/operated by the Enrollee, the Enrollee is encouraged to notify the California Office of Emergency Services (as provided by Health and Safety Code section 5410 et. seq. and Water Code section 13271), or inform the responsible party that State law requires such notification to the Office of Emergency Services by any person that causes or allows a sewage discharge to waters of the State:

- A spill equal to 1,000 gallons or more that discharges (or has a potential to discharge) to waters of the State, or a drainage conveyance system that discharges to waters of the State; or
- A spill of any volume to surface waters.

### **5.17. Unintended Failure to Report**

If an Enrollee becomes aware that they unintentionally failed to submit relevant facts in any report required in this General Order, the Enrollee shall promptly notify Regional Water Board and State Water Board staff. Regional Water Board contact information is included in Attachment F of this Order. State Water Board staff shall be contacted by email at [SanitarySewer@waterboards.ca.gov](mailto:SanitarySewer@waterboards.ca.gov) for assistance in formally amending the corresponding report(s) in the online CIWQS Sanitary Sewer System Database.

### **5.18. Duty to Report to Water Boards**

In accordance with Water Code section 13267 and/or section 13383, upon request by the State Water Board Executive Director (or designee) or a Regional Water Board Executive Officer (or designee), the Enrollee shall provide the requested information which the State or Regional Water Board deems necessary to determine compliance with this General Order.

### **5.19. Operation and Maintenance**

To prevent discharges to the environment, the Enrollee shall maintain in good working order, and operate as designed, any facility or treatment and control system designed to contain sewage and convey it to a treatment plant.

## **6. PROVISIONS**

### **6.1. Enforcement Provisions**

The following enforcement provisions are based on existing federal and state regulations, laws and policies, including the federal Clean Water Act, the state Water Code and the State Water Board Enforcement Policy.

#### **6.1.1. Enforceability of Clean Water Act and Water Code Violations**

Noncompliance with requirements of this General Order or discharging sewage without enrolling in this General Order constitutes a violation of the Water Code and a potential

## STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER

violation of the Clean Water Act and is grounds for an enforcement action by the State Water Board or the applicable Regional Water Board. Failure to comply with the notification, monitoring, inspection, entry, reporting, and recordkeeping requirements may subject the Enrollee to administrative civil liabilities of up to \$10,000 a day per violation pursuant to Water Code section 13385; up to \$1,000 a day per violation pursuant to Water Code section 13268; or referral to the Attorney General for judicial civil enforcement. Discharging waste not in compliance with the requirements of this General Order or the Clean Water Act may subject the Enrollee to administrative civil liabilities up to \$10,000 a day per violation and additional liability up to \$10 per gallon of discharge not cleaned up after the first 1,000 gallons of discharge; up to \$5,000 a day per violation pursuant to Water Code section 13350 or up to \$20 per gallon of waste discharged; or referral to the Attorney General for judicial civil enforcement.

### **6.1.2. Monetary Penalties**

The Water Code provides the State and Regional Water Boards the authority to pursue formal enforcement actions, including imposing administrative liability and civil monetary penalties, for non-compliance with the requirements of this General Order and violations of the Clean Water Act.

### **6.1.3. Falsifying or Failure to Report**

The Water Code provides that any person failing or refusing to furnish technical or monitoring program reports, as required under this General Order, or falsifying any information provided in the technical or monitoring reports is subject to administrative liability and civil monetary penalties. Any person who knowingly fails or refuses to furnish technical or monitoring program reports or falsifies any information provided in reports required by this General Order is subject to criminal penalties.

### **6.1.4. Severability of General Order**

The provisions of this General Order are severable; if any provision of this Order, or the application of any provision of this Order to any circumstance, is held invalid, the application of such provision to other circumstances and the remainder of this Order shall not be affected thereby.

### **6.1.5. Indirect Discharges**

In the event that a spill enters into a drainage conveyance system, the Enrollee shall take all feasible steps to prevent discharge of sewage into waters of the State by blocking or redirecting the flow in the drainage conveyance system, removing the sewage from the drainage conveyance system, and cleaning the system in a manner that does not inadvertently impact beneficial uses of the receiving water body.

### **6.1.6. Water Boards' Considerations for Discretionary Enforcement**

Consistent with the State Water Board Enforcement Policy, when considering Water Code section 13327 factors, the State Water Board or a Regional Water Board may consider the Enrollee's efforts to contain, control, clean up, and mitigate spills. In assessing the factors, the State Water Board or the applicable Regional Water Board will consider:

## STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER

- The Enrollee's compliance with this General Order with a focus on compliance with reporting requirements;
- The Enrollee's provision of adequate funding to implement the requirements of this General Order;
- The Enrollee's compliance with providing a complete and updated Sewer System Management Plan;
- The Enrollee's compliance with implementing its Sewer System Management Plan;
- The overall effectiveness of the Enrollee's Sewer System Management Plan with respect to:
  - System management, operation, and maintenance,
  - Adequate treatment facilities, sanitary sewer system facilities, and/or components with an appropriate design capacity, to reasonably prevent spills (e.g. adequately enlarging treatment or collection facilities to accommodate growth, infiltration and inflow, etc.),
  - Preventive maintenance (including cleaning, root grinding, and fats, oils, and grease control) and source control measures,
  - Implementation of backup equipment,
  - Inflow and infiltration prevention and control,
  - Appropriate sanitary sewer system capacity to prevent spills, and
  - The Enrollee's responsiveness to stop and mitigate the impact of the discharge;
- The Enrollee's compliance with identifying the cause of the spill;
- The Enrollee's use of available information and observations to accurately estimate the spill volume and identify the affected or potentially affected receiving waters;
- The Enrollee's thoroughness of cleaning up sewage in drainage conveyance systems after the spill(s);
- The Enrollee's use of water quality and biological monitoring and assessment to determine the short-term and long-term impacts to beneficial uses and the environment;
- The Enrollee's follow up actions to improve system performance;
- The Enrollee's implementation of feasible alternatives to prevent spills, such as:
  - Use of temporary storage or waste retention,
  - Reduction of system inflow and infiltration,
  - Collection and hauling of waste to a treatment facility,
  - Prevention of and/ or containment of spills due to a design storm event identified in the Enrollee's Sewer System Management Plan,

## STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER

- Implementation of available equipment, technologies, strategies, and recommended industry practices for maintaining and managing sewer systems to prevent spills, and contain and eliminate discharges to waters of the State; and
- The spill duration and factors beyond the reasonable control of the Enrollee causing the event.

### **6.1.7. Enforcement Discretion Based on Reporting Compliance**

Consistent with the State Water Board Enforcement Policy, the State Water Board or a Regional Water Board may consider the Enrollee's efforts to comply with spill reporting requirements when determining compliance with Water Code section 13267 and section 13383. When assessing Water Code section 13227 factors, the State Water Board or the applicable Regional Water Board will consider:

- The Enrollee's diligence to comply with all reporting requirements in this General Order;
- The use of best available information for the Enrollee's reporting of spill start date and start time in which the release of sewage from the sanitary sewer system initiated;
- The Enrollee's reporting of spill end date, and end time to be the date and time in which the release of sewage from the sanitary sewer system was stopped;
- The Enrollee's diligence to accurately estimate and report spill volumes;
- The Enrollee's subsequent verification and/or updates to initial Draft Spill Reports in accordance with this General Order; and
- The Enrollee's timely certification of required spill reports.

Consistent with Water Code section 13267 and section 13383, the State Water Board or a Regional Water Board may require an Enrollee to report the results of a condition assessment of a specified portion of the Enrollee's sanitary sewer system.

### **6.2. Other Regional Water Board Orders**

It is the intent of the State Water Board that sanitary sewer systems be regulated in a manner consistent with federal and state regulations. This Order will not be interpreted or applied:

- In a manner inconsistent with the federal Clean Water Act;
- To authorize a spill or discharge that is illegal under either the Clean Water Act, the Water Code, and/or an applicable Basin Plan prohibition or water quality standard;
- To prohibit a Regional Water Board from issuing an individual National Pollutant Discharge Elimination System (NPDES) permit or individual waste discharge requirements superseding an Enrollee's regulatory coverage under this General Order for a sanitary sewer system authorized under the Clean Water Act or Water Code;

## STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER

- To supersede any more specific or more stringent waste discharge requirements or enforcement orders issued by a Regional Water Board; or
- To supersede any more specific or more stringent state or federal requirements in existing regulation, an administrative/judicial order, or Consent Decree.

### **6.3. Sewer System Management Plan Availability**

The Enrollee's updated Sewer System Management Plan must be maintained for public inspection at the Enrollee's offices and facilities and must be available to the public through CIWQS and/or on the Enrollee's website, in accordance with section 3.8 (Sewer System Management Plan Reporting Requirements) of Attachment E1 (Notification, Monitoring, Reporting and Recordkeeping Requirements) of this General Order.

### **6.4. Entry and Inspection**

#### **6.4.1. Entry and Availability of Information**

The Enrollee shall allow State and Regional Water Board staff, upon presentation of credentials and other documents as may be required by law, to:

- Enter upon the Enrollee's premises where a regulated facility or activity is located or conducted, or where records are kept under the requirements of this General Order;
- Have access to and reproduce any records required to be maintained by this General Order;
- Inspect any facility and/or equipment (including monitoring and control equipment), practices, or operations required in this General Order; and
- Sample or monitor substances or parameters for assuring compliance with this General Order, or as otherwise authorized by the Water Code.

#### **6.4.2. Pre-Inspection Questionnaire**

The Enrollee shall provide pre-inspection information to State and Regional Water Board staff through the completion of a Pre-Inspection Questionnaire provided by Water Board staff.

## ATTACHMENT A - DEFINITIONS

### **Annual Report**

An Annual Report (previously termed as Collection System Questionnaire in Order 2006-0003-DWQ) is a mandatory report in which the Enrollee provides a calendar-year update of its efforts to prevent spills.

### **Basin Plan**

A Basin Plan is a water quality control plan specific to a Regional Water Quality Control Board (Regional Water Board), that serves as regulations to: (1) define and designate beneficial uses of surface and groundwaters, (2) establish water quality objectives for protection of beneficial uses, and (3) provide implementation measures.

### **Beneficial Uses**

The term “Beneficial Uses” is a Water Code term, defined as the uses of the waters of the State that may be protected against water quality degradation. Examples of beneficial uses include but are not limited to, municipal, domestic, agricultural and industrial supply; power generation; recreation; aesthetic enjoyment; navigation; and preservation and enhancement of fish, wildlife, and other aquatic resources or preserves.

### **California Integrated Water Quality System (CIWQS)**

CIWQS is the statewide database that provides for mandatory electronic reporting as required in State and Regional Water Board-issued waste discharge requirements.

### **Data Submitter**

A Data Submitter is an individual designated and authorized by the Enrollee’s Legally Responsible Official to enter spill data into the online CIWQS Sanitary Sewer System Database. A Data Submitter does not have the authority of a Legally Responsible Official to certify reporting entered into the online CIWQS Sanitary Sewer System Database.

### **Disadvantaged Community**

A disadvantaged community is a community with a median household income of less than eighty percent (80%) of the statewide annual median household income.

For the purpose of this General Order, there is no differentiation between a small and large disadvantaged community.

### **Drainage Conveyance System**

A drainage conveyance system is a publicly- or privately-owned separate storm sewer system, including but not limited to drainage canals, channels, pipelines, pump stations, detention basins, infiltration basins/facilities, or other facilities constructed to transport stormwater and non-stormwater flows.

## Enrollee

An Enrollee is a public, private, or other non-governmental entity that has obtained approval for regulatory coverage under this General Order, including:

- A state agency, municipality, special district, or other public entity that owns and/or operates one or more sanitary sewer systems:
  - greater than one (1) mile in length (each individual sanitary sewer system);
  - one mile or less in length where the State Water Resources Control Board or a Regional Water Quality Control Board requires regulatory coverage under this Order, or
- A federal agency, private company, or other non-governmental entity that owns and/or operates a sanitary sewer system of any size where the State Water Resources Control Board or a Regional Water Quality Control Board requires regulatory coverage under this Order in response to a history of spills, proximity to surface water, or other factors supporting regulatory coverage.

## Environmentally Sensitive Area

An environmentally sensitive area is a designated agricultural and/or wildlife area identified to need special natural landscape protection due to its wildlife or historical value.

## Exfiltration

Exfiltration is the underground exiting of sewage from a sanitary sewer system through cracks, offset or separated joints, or failed infrastructure due to corrosion or other factors.

## Flood Control Channel

A flood control channel is a channel used to convey stormwater and non-stormwater flows through and from areas for flood management purposes.

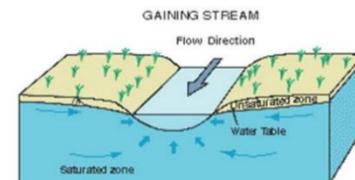
## Governing Entity

A governing entity includes but is not limited to the following:

- A publicly elected governing board, council, or commission of a municipal agency;
- A Department or Division director of a federal or state agency that is not governed by a board;
- A governing board or commission of an organization or association; and
- A private system owner/manager that is not governed by a board.

## Hydrologically Connected

Two waterbodies are hydrologically connected when one waterbody flows, or has the potential to flow, into the other waterbody. For the purpose of this General Order, groundwater is hydrologically connected to a surface water when the groundwater feeds into the surface water. (The surface waterbody in this example is termed a gaining stream as it gains flow from surrounding groundwater.)



### **Lateral (including Lower and Upper Lateral)**

A lateral is an underground segment of smaller diameter pipe that transports sewage from a customer's building or property (residential, commercial, or industrial) to the Enrollee's main sewer line in a street or easement. Upper and lower lateral boundary definitions are subject to local jurisdictional codes and ordinances, or private system ownership.

A lower lateral is the portion of the lateral located between the sanitary sewer system main, and either the property line, sewer clean out, curb line, established utility easement boundary, or other jurisdictional locations.

An upper lateral is the portion of the lateral from the property line, sewer clean out, curb line, established utility easement boundary, or other jurisdictional locations, to the building or property.

### **Legally Responsible Official**

A Legally Responsible Official is an official representative, designated by the Enrollee, with authority to sign and certify submitted information and documents required by this General Order.

### **Nuisance**

For the purpose of this General Order, a nuisance, as defined in Water Code section 13050(m), is anything that meets all of the following requirements:

- Is injurious to health, or is indecent or offensive to the senses, or an obstruction to the free use of property, so as to interfere with the comfortable enjoyment of life or property;
- Affects at the same time an entire community or neighborhood, or any considerable number of persons, although the extent of the annoyance or damage inflicted upon individuals may be unequal; and
- Occurs during, or as a result of, the treatment or disposal of wastes.

### **Private Sewer Lateral**

A private sewer lateral is the privately-owned lateral that transports sewage from private property(ies) into a sanitary sewer system.

### **Private Sanitary Sewer System**

A private sanitary sewer system is a sanitary sewer system of any size that is owned and/or operated by a private individual, company, corporation, or organization. A private sanitary sewer system may or may not connect into a publicly owned sanitary sewer system.

### **Potential to Discharge, Potential Discharge**

Potential to Discharge, or Potential Discharge, means any exiting of sewage from a sanitary sewer system which can reasonably be expected to discharge into a water of the State based on the size of the sewage spill, proximity to a drainage conveyance system, and the nature of the surrounding environment.

## **Receiving Water**

A receiving water is a water of the State that receives a discharge of waste.

## **Resilience**

Resilience is the ability to recover from or adjust to adversity or change, and grow from disruptions. Resilience can be built through planning, preparing for, mitigating, and adapting to changing conditions.

## **Sanitary Sewer System**

A sanitary sewer system is a system that is designed to convey sewage, including but not limited to, pipes, manholes, pump stations, siphons, wet wells, diversion structures and/or other pertinent infrastructure, upstream of a wastewater treatment plant headworks, including:

- Laterals owned and/or operated by the Enrollee;
- Satellite sewer systems; and/or
- Temporary conveyance and storage facilities, including but not limited to temporary piping, vaults, construction trenches, wet wells, impoundments, tanks and diversion structures.

For purpose of this Order, sanitary sewer systems include only systems owned and/or operated by the Enrollee.

## **Satellite Sewer System**

A satellite sewer system is a portion of a sanitary sewer system owned or operated by a different owner than the owner of the downstream wastewater treatment facility ultimately treating the sewage.

## **Sewer System Management Plan**

A sewer system management plan is a living document an Enrollee develops and implements to effectively manage its sanitary sewer system(s) in accordance with this General Order.

## **Sewage**

Sewage, and its associated wastewater, is untreated or partially treated domestic, municipal, commercial and/or industrial waste (including sewage sludge), and any mixture of these wastes with inflow or infiltration of stormwater or groundwater, conveyed in a sanitary sewer system.

## **Spill**

A spill is a discharge of sewage from any portion of a sanitary sewer system due to a sanitary sewer system overflow, operational failure, and/or infrastructure failure. Exfiltration of sewage is not considered to be a spill under this General Order if the exfiltrated sewage remains in the subsurface and does not reach a surface water of the State.

## **Training**

Training is in-house or external education and guidance needed that provides the knowledge, skills, and abilities to comply with this General Order.

## **Wash Down Water**

Wash down water is water used to clean a spill area.

## **Waste**

Waste, as defined in Water Code section 13050(d), includes sewage and any and all other waste substances, liquid, solid, gaseous, or radioactive, associated with human habitation, or of human or animal origin, or from any producing, manufacturing, or processing operation, including waste placed within containers of whatever nature prior to, and for purposes of, disposal.

## **Waste Discharge Identification Number (WDID)**

A waste discharge identification number (WDID) identifies each individual sanitary sewer system enrolled under this General Order. A WDID number is assigned to each enrolled system upon an Enrollee's approved regulatory coverage.

## **Waters of the State**

Waters of the State are surface waters or groundwater within boundaries of the state as defined in Water Code section 13050(e), in which the State and Regional Water Boards have authority to protect beneficial uses. Waters of the State include, but are not limited to, groundwater aquifers, surface waters, saline waters, natural washes and pools, wetlands, sloughs, and estuaries, regardless of flow or whether water exists during dry conditions. Waters of the State include waters of the United States.

## **Waters of the United States**

Waters of the United States are surface waters or waterbodies that are subject to federal jurisdiction in accordance with the Clean Water Act.

## **Water Quality Objective**

A water quality objective is the limit or maximum amount of pollutant, waste constituent or characteristic, or parameter level established in statewide water quality control plans and Regional Water Boards' Basin Plans, for the reasonable protection of beneficial uses of surface waters and groundwater and the prevention of nuisance.

**ATTACHMENT B – APPLICATION FOR ENROLLMENT**

**1. Enrollment Status:** (Mark only one item)

New Enrollee  
 New Enrollee with previous regulatory coverage under Order 2006-0003-DWQ  
(that failed to certify continuation of coverage in CIWQS per Order 2022-XXXX-DWQ)  
Existing WDID Number: \_\_\_\_\_

**2. Applicant Information:**

Legally Responsible Official Submitting Application

First and Last Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Email: \_\_\_\_\_

System Owner/Operator Name: \_\_\_\_\_

Mailing Address: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_  
County: \_\_\_\_\_  
Sanitary Sewer System Name: \_\_\_\_\_  
Regional Water Quality Control Board(s): \_\_\_\_\_  
Signature and Date: \_\_\_\_\_

**3. Applicant Type (Check one):**

City    County    State    Federal    Special District  
 Government Combination    Private    Other Non-governmental Entity

**4. Wastewater Treatment Plant Receiving Sanitary Sewer System Waste:**

Wastewater Treatment Plant Permittee: \_\_\_\_\_  
WDID No.: \_\_\_\_\_

# STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER 2022-0103-DWQ

## 5. Billing Information

Billing Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Billing Contact Person and Title: \_\_\_\_\_

Phone and Email Address: \_\_\_\_\_

## 6. Application Fee:

The application fee, as required by Water Code section 13260, is based on the daily population served by the sanitary sewer system. See updated [Fee Schedule](#). ([https://www.waterboards.ca.gov/resources/fees/water\\_quality/](https://www.waterboards.ca.gov/resources/fees/water_quality/))

Check one of the following and enter fee amount:

Population Served < 50,000 – Total Fee submitted: \$ \_\_\_\_\_

Population Served ≥ 50,000 – Total Fee submitted: \$ \_\_\_\_\_

Make the fee payment payable to the State Water Resources Control Board and mail the complete application package to:

State Water Resources Control Board, Accounting Office  
P. O. Box 1888  
Sacramento, CA 95812-1888

Attention: Statewide Sanitary Sewer System Program

## 7. Application Submittal Certification

*I certify under penalty of perjury under the laws of the State of California that to the best of my knowledge and belief, the information in the submitted application package is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.*

Print Name: \_\_\_\_\_

Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

## **ATTACHMENT C - NOTICE OF TERMINATION**

## 1. Enrollee Information

Enrollee Name: \_\_\_\_\_

WDID No: \_\_\_\_\_

Legally Responsible Official Requesting Termination of Coverage: \_\_\_\_\_

First and Last Name: \_\_\_\_\_

Title: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: [info@pennmath.com](mailto:info@pennmath.com)

Mailing Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

County: \_\_\_\_\_

Sanitary Sewer System Name(s) or Unique Identifier(s): \_\_\_\_\_

Regional Water Quality Control Board(s): \_\_\_\_\_

### 3 Basis of Termination

Explanation of termination, including subsequent regulatory coverage and subsequent owner/operator of enrolled sanitary sewer system, as applicable:

**3. Regulatory Coverage Termination Certification**

*I certify under penalty of perjury under the laws of the State of California that to the best of my knowledge: 1) the sanitary sewer system I officially represent is not required to be regulated under the Statewide Waste Discharge Requirements for Sanitary Sewer Systems Order 2022-XXXX-DWQ, and 2) the information submitted in this Notice of Termination is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment. Additionally, I understand that the submittal of this Notice of Termination does not release sanitary sewer system agencies from liability for any violations of the Clean Water Act.*

Print Name: \_\_\_\_\_

Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**For State Water Board Use Only**

Approved for Termination

Denied and Returned to Enrollee

Deputy Director of Water Quality Signature: \_\_\_\_\_

Date: \_\_\_\_\_ Notice of Termination Effective Date: \_\_\_\_\_

**ATTACHMENT D – SEWER SYSTEM MANAGEMENT PLAN – REQUIRED ELEMENTS**

**Table of Contents**

1.	Sewer System Management Plan Goal And Introduction .....	D-2
1.1.	Regulatory Context .....	D-2
1.2.	Sewer System Management Plan Update Schedule.....	D-3
1.3.	Sewer System Asset Overview .....	D-3
2.	Organization .....	D-3
3.	Legal Authority .....	D-4
4.	Operation And Maintenance Program.....	D-4
4.1.	Updated Map of Sanitary Sewer System .....	D-4
4.2.	Preventive Operation and Maintenance Activities.....	D-4
4.3.	Training .....	D-5
4.4.	Equipment Inventory .....	D-5
5.	Design And Performance Provisions .....	D-5
5.1.	Updated Design Criteria and Construction Standards and Specifications.....	D-5
5.2.	Procedures and Standards.....	D-5
6.	Spill Emergency Response Plan.....	D-6
7.	Sewer Pipe Blockage Control Program.....	D-7
8.	System Evaluation, Capacity Assurance and Capital Improvements.....	D-7
8.1	System Evaluation and Condition Assessment.....	D-7
8.2.	Capacity Assessment and Design Criteria .....	D-8
8.3.	Prioritization of Corrective Action .....	D-9
8.4.	Capital Improvement Plan .....	D-9
9.	Monitoring, Measurement and Program Modifications.....	D-9
10.	Internal Audits .....	D-10
11.	Communication Program .....	D-10

## **ATTACHMENT D – SEWER SYSTEM MANAGEMENT PLAN – REQUIRED ELEMENTS**

A Sewer System Management Plan (Plan) is a living planning document that documents ongoing local sewer system management program activities, procedures, and decision-making – at the scale necessary to address the size and complexity of the subject sanitary sewer system(s). This Plan may incorporate other programs and other plans by reference, to address short-term and long-term system resilience through:

- Proactive planning and decision-making;
- Local government ordinances;
- Updated operations and maintenance activities and procedures;
- Implementation of capital improvements;
- Sufficient local budget to support staff resources, contractors, equipment, and training; and
- Updated training of staff and contractors.

The Enrollee's development, update, and implementation of a Sewer System Management Plan addressing the requirements of this Attachment is an enforceable component of this General Order. As specified in Provision 6.1 (Enforcement Provisions) of this General Order, consistent with the Water Code and the State Water Board Enforcement Policy, the State Water Board or a Regional Water Board may consider the Enrollee's efforts in implementing an effective Sewer System Management Plan to prevent, contain, control, and mitigate spills when considering Water Code section 13327 factors to determine necessary enforcement of this General Order.

This Attachment includes the following required elements that the Enrollee shall address in its Plan and subsequent updates. The Enrollee shall identify any requirement in this Attachment that is not applicable to the Enrollee's sewer system and shall explain in its Plan why the requirement is not applicable.

### **1. SEWER SYSTEM MANAGEMENT PLAN GOAL AND INTRODUCTION**

The goal of the Sewer System Management Plan (Plan) is to provide a plan and schedule to: (1) properly manage, operate, and maintain all parts of the Enrollee's sanitary sewer system(s), (2) reduce and prevent spills, and (3) contain and mitigate spills that do occur.

The Plan must include a narrative Introduction section that discusses the following items:

#### **1.1. Regulatory Context**

The Plan Introduction section must provide a general description of the local sewer system management program and discuss Plan implementation and updates.

## **1.2. Sewer System Management Plan Update Schedule**

The Plan Introduction section must include a schedule for the Enrollee to update the Plan, including the schedule for conducting internal audits. The schedule must include milestones for incorporation of activities addressing prevention of sewer spills.

## **1.3. Sewer System Asset Overview**

The Plan Introduction section must provide a description of the Enrollee-owned assets and service area, including but not limited to:

- Location, including county(ies);
- Service area boundary;
- Population and community served;
- System size, including total length in miles, length of gravity mainlines, length of pressurized (force) mains, and number of pump stations and siphons;
- Structures diverting stormwater to the sewer system;
- Data management systems;
- Sewer system ownership and operation responsibilities between Enrollee and private entities for upper and lower sewer laterals;
- Estimated number or percent of residential, commercial, and industrial service connections; and
- Unique service boundary conditions and challenge(s).

Additionally, the Plan Introduction section must provide reference to the Enrollee's up-to-date map of its sanitary sewer system, as required in section 4.1 (Updated Map of Sanitary Sewer System) of this Attachment.

## **2. ORGANIZATION**

The Plan must identify organizational staffing responsible and integral for implementing the local Sewer System Management Plan through an organization chart or similar narrative documentation that includes:

- The name of the Legally Responsible Official as required in section 5.1 (Designation of a Legally Responsible Official) of this General Order;
- The position titles, telephone numbers, and email addresses for management, administrative, and maintenance positions responsible for implementing specific Sewer System Management Plan elements;
- Organizational lines of authority; and
- Chain of communication for reporting spills from receipt of complaint or other information, including the person responsible for reporting spills to the State and Regional Water Boards and other agencies, as applicable. (For example, county

health officer, county environmental health agency, and State Office of Emergency Services.)

### **3. LEGAL AUTHORITY**

The Plan must include copies or an electronic link to the Enrollee's current sewer system use ordinances, service agreements and/or other legally binding procedures to demonstrate the Enrollee possesses the necessary legal authority to:

- Prevent illicit discharges into its sanitary sewer system from inflow and infiltration (I&I); unauthorized stormwater; chemical dumping; unauthorized debris; roots; fats, oils, and grease; and trash, including rags and other debris that may cause blockages;
- Collaborate with storm sewer agencies to coordinate emergency spill responses, ensure access to storm sewer systems during spill events, and prevent unintentional cross connections of sanitary sewer infrastructure to storm sewer infrastructure;
- Require that sewer system components and connections be properly designed and constructed;
- Ensure access for maintenance, inspection, and/or repairs for portions of the service lateral owned and/or operated by the Enrollee;
- Enforce any violation of its sewer ordinances, service agreements, or other legally binding procedures; and
- Obtain easement accessibility agreements for locations requiring sewer system operations and maintenance, as applicable.

### **4. OPERATION AND MAINTENANCE PROGRAM**

The Plan must include the items listed below that are appropriate and applicable to the Enrollee's system.

#### **4.1. Updated Map of Sanitary Sewer System**

An up-to-date map(s) of the sanitary sewer system, and procedures for maintaining and providing State and Regional Water Board staff access to the map(s). The map(s) must show gravity line segments and manholes, pumping facilities, pressure pipes and valves, and applicable stormwater conveyance facilities within the sewer system service area boundaries.

#### **4.2. Preventive Operation and Maintenance Activities**

A scheduling system and a data collection system for preventive operation and maintenance activities conducted by staff and contractors.

The scheduling system must include:

- Inspection and maintenance activities;

# STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER 2022-0103-DWQ

- Higher-frequency inspections and maintenance of known problem areas, including areas with tree root problems;
- Regular visual and closed-circuit television (CCTV) inspections of manholes and sewer pipes.

The data collection system must document data from system inspection and maintenance activities, including system areas/components prone to root-intrusion potentially resulting in system backup and/or failure.

## **4.3. Training**

In-house and external training provided on a regular basis for sanitary sewer system operations and maintenance staff and contractors. The training must cover:

- The requirements of this General Order;
- The Enrollee's Spill Emergency Response Plan procedures and practice drills;
- Skilled estimation of spill volume for field operators; and
- Electronic CIWQS reporting procedures for staff submitting data.

## **4.4. Equipment Inventory**

An inventory of sewer system equipment, including the identification of critical replacement and spare parts.

# **5. DESIGN AND PERFORMANCE PROVISIONS**

The Plan must include the following items as appropriate and applicable to the Enrollee's system:

## **5.1. Updated Design Criteria and Construction Standards and Specifications**

Updated design criteria, and construction standards and specifications, for the construction, installation, repair, and rehabilitation of existing and proposed system infrastructure components, including but not limited to pipelines, pump stations, and other system appurtenances. If existing design criteria and construction standards are deficient to address the necessary component-specific hydraulic capacity as specified in section 8 (System Evaluation, Capacity Assurance and Capital Improvements) of this Attachment, the procedures must include component-specific evaluation of the design criteria.

## **5.2. Procedures and Standards**

Procedures, and standards for the inspection and testing of newly constructed, newly installed, repaired, and rehabilitated system pipelines, pumps, and other equipment and appurtenances.

## 6. SPILL EMERGENCY RESPONSE PLAN

The Plan must include an up to date Spill Emergency Response Plan to ensure prompt detection and response to spills to reduce spill volumes and collect information for prevention of future spills. The Spill Emergency Response Plan must include procedures to:

- Notify primary responders, appropriate local officials, and appropriate regulatory agencies of a spill in a timely manner;
- Notify other potentially affected entities (for example, health agencies, water suppliers, etc.) of spills that potentially affect public health or reach waters of the State;
- Comply with the notification, monitoring and reporting requirements of this General Order, State law and regulations, and applicable Regional Water Board Orders;
- Ensure that appropriate staff and contractors implement the Spill Emergency Response Plan and are appropriately trained;
- Address emergency system operations, traffic control and other necessary response activities;
- Contain a spill and prevent/minimize discharge to waters of the State or any drainage conveyance system;
- Minimize and remediate public health impacts and adverse impacts on beneficial uses of waters of the State;
- Remove sewage from the drainage conveyance system;
- Clean the spill area and drainage conveyance system in a manner that does not inadvertently impact beneficial uses in the receiving waters;
- Implement technologies, practices, equipment, and interagency coordination to expedite spill containment and recovery;
- Implement pre-planned coordination and collaboration with storm drain agencies and other utility agencies/departments prior, during, and after a spill event;
- Conduct post-spill assessments of spill response activities;
- Document and report spill events as required in this General Order; and
- Annually, review and assess effectiveness of the Spill Emergency Response Plan, and update the Plan as needed.

## **7. SEWER PIPE BLOCKAGE CONTROL PROGRAM**

The Sewer System Management Plan must include procedures for the evaluation of the Enrollee's service area to determine whether a sewer pipe blockage control program is needed to control fats, oils, grease, rags and debris. If the Enrollee determines that a program is not needed, the Enrollee shall provide justification in its Plan for why a program is not needed.

The procedures must include, at minimum:

- An implementation plan and schedule for a public education and outreach program that promotes proper disposal of pipe-blocking substances;
- A plan and schedule for the disposal of pipe-blocking substances generated within the sanitary sewer system service area. This may include a list of acceptable disposal facilities and/or additional facilities needed to adequately dispose of substances generated within a sanitary sewer system service area;
- The legal authority to prohibit discharges to the system and identify measures to prevent spills and blockages;
- Requirements to install grease removal devices (such as traps or interceptors), design standards for the removal devices, maintenance requirements, best management practices requirements, recordkeeping and reporting requirements;
- Authority to inspect grease producing facilities, enforcement authorities, and whether the Enrollee has sufficient staff to inspect and enforce the fats, oils, and grease ordinance;
- An identification of sanitary sewer system sections subject to fats, oils, and grease blockages and establishment of a cleaning schedule for each section; and
- Implementation of source control measures for all sources of fats, oils, and grease reaching the sanitary sewer system for each section identified above.

## **8. SYSTEM EVALUATION, CAPACITY ASSURANCE AND CAPITAL IMPROVEMENTS**

The Plan must include procedures and activities for:

- Routine evaluation and assessment of system conditions;
- Capacity assessment and design criteria;
- Prioritization of corrective actions; and
- A capital improvement plan.

### **8.1 System Evaluation and Condition Assessment**

The Plan must include procedures to:

- Evaluate the sanitary sewer system assets utilizing the best practices and technologies available;

- Identify and justify the amount (percentage) of its system for its condition to be assessed each year;
- Prioritize the condition assessment of system areas that:
  - Hold a high level of environmental consequences if vulnerable to collapse, failure, blockage, capacity issues, or other system deficiencies;
  - Are located in or within the vicinity of surface waters, steep terrain, high groundwater elevations, and environmentally sensitive areas;
  - Are within the vicinity of a receiving water with a bacterial-related impairment on the most current Clean Water Act section 303(d) List;
- Assess the system conditions using visual observations, video surveillance and/or other comparable system inspection methods;
- Utilize observations/evidence of system conditions that may contribute to exiting of sewage from the system which can reasonably be expected to discharge into a water of the State;
- Maintain documents and recordkeeping of system evaluation and condition assessment inspections and activities; and
- Identify system assets vulnerable to direct and indirect impacts of climate change, including but not limited to: sea level rise; flooding and/or erosion due to increased storm volumes, frequency, and/or intensity; wildfires; and increased power disruptions.

## **8.2. Capacity Assessment and Design Criteria**

The Plan must include procedures to identify system components that are experiencing or contributing to spills caused by hydraulic deficiency and/or limited capacity, including procedures to identify the appropriate hydraulic capacity of key system elements for:

- Dry-weather peak flow conditions that cause or contributes to spill events;
- The appropriate design storm(s) or wet weather events that causes or contributes to spill events;
- The capacity of key system components; and
- Identify the major sources that contribute to the peak flows associated with sewer spills.

The capacity assessment must consider:

- Data from existing system condition assessments, system inspections, system audits, spill history, and other available information;
- Capacity of flood-prone systems subject to increased infiltration and inflow, under normal local and regional storm conditions;

# STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER 2022-0103-DWQ

- Capacity of systems subject to increased infiltration and inflow due to larger and/or higher-intensity storm events as a result of climate change;
- Increases of erosive forces in canyons and streams near underground and above-ground system components due to larger and/or higher-intensity storm events;
- Capacity of major system elements to accommodate dry weather peak flow conditions, and updated design storm and wet weather events; and
- Necessary redundancy in pumping and storage capacities.

## **8.3. Prioritization of Corrective Action**

The findings of the condition assessments and capacity assessments must be used to prioritize corrective actions. Prioritization must consider the severity of the consequences of potential spills.

## **8.4. Capital Improvement Plan**

The capital improvement plan must include the following items:

- Project schedules including completion dates for all portions of the capital improvement program;
- Internal and external project funding sources for each project; and
- Joint coordination between operation and maintenance staff, and engineering staff/consultants during planning, design, and construction of capital improvement projects; and Interagency coordination with other impacted utility agencies.

## **9. MONITORING, MEASUREMENT AND PROGRAM MODIFICATIONS**

The Plan must include an Adaptive Management section that addresses Plan-implementation effectiveness and the steps for necessary Plan improvement, including:

- Maintaining relevant information, including audit findings, to establish and prioritize appropriate Plan activities;
- Monitoring the implementation and measuring the effectiveness of each Plan Element;
- Assessing the success of the preventive operation and maintenance activities;
- Updating Plan procedures and activities, as appropriate, based on results of monitoring and performance evaluations; and
- Identifying and illustrating spill trends, including spill frequency, locations and estimated volumes.

**10. INTERNAL AUDITS**

The Plan shall include internal audit procedures, appropriate to the size and performance of the system, for the Enrollee to comply with section 5.4 (Sewer System Management Plan Audits) of this General Order.

**11. COMMUNICATION PROGRAM**

The Plan must include procedures for the Enrollee to communicate with:

- The public for:
  - Spills and discharges resulting in closures of public areas, or that enter a source of drinking water, and
  - The development, implementation, and update of its Plan, including opportunities for public input to Plan implementation and updates.
- Owners/operators of systems that connect into the Enrollee's system, including satellite systems, for:
  - System operation, maintenance, and capital improvement-related activities.

**ATTACHMENT E1 – NOTIFICATION, MONITORING, REPORTING AND RECORDKEEPING REQUIREMENTS****Table of Contents**

1.	Notification Requirements .....	E1-3
1.1.	Notification of Spills of 1,000 Gallons or Greater to the California Office of Emergency Services .....	E1-3
1.2.	Spill Notification Information.....	E1-4
1.3.	Notification of Spill Report Updates.....	E1-4
2.	Spill-Specific Monitoring Requirements .....	E1-5
2.1	Spill Location and Spread .....	E1-5
2.2	Spill Volume Estimation.....	E1-5
2.3.	Receiving Water Monitoring .....	E1-5
2.4.	Safety and Access Exceptions .....	E1-8
3.	Reporting Requirements .....	E1-8
3.1.	Reporting Requirements for Individual Category 1 Spill Reporting .....	E1-8
3.2.	Reporting Requirements for Individual Category 2 Spill Reporting .....	E1-12
3.3.	Monthly Certified Spill Reporting for Category 3 Spills .....	E1-14
3.4.	Monthly Certified Spill Reporting for Category 4 Spills.....	E1-16
3.5.	Amended Certified Spill Reports for Category 3 Spills .....	E1-16
3.6.	Annual Certified Spill Reporting of Category 4 and/or Lateral Spills .....	E1-16
3.7.	Monthly Certification of “No-Spills” or “Category 4 Spills” and/or “Non-Category 1 Lateral Spills” .....	E1-16
3.8.	Electronic Sanitary Sewer System Service Area Boundary Map.....	E1-17
3.9.	Annual Report (Previously termed as Collection System Questionnaire in General Order 2006-0003-DWQ) .....	E1-17
3.10.	Sewer System Management Plan Audit Reporting Requirements .....	E1-19
3.11.	Sewer System Management Plan Reporting Requirements .....	E1-19
4.	Recordkeeping Requirements .....	E1-20
4.1.	Recordkeeping Time Period.....	E1-20
4.2.	Availability of Documents .....	E1-20
4.3.	Spill Reports.....	E1-20
4.4.	Recordkeeping of Category 4 Spills and Non-Category 1 Lateral Spills .....	E1-21
4.5.	Sewer System Telemetry Records.....	E1-22
4.6.	Sewer System Management Plan Implementation Records .....	E1-22
4.7.	Audit Records.....	E1-23

STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER 2022-0103-DWQ

4.8. Equipment Records.....	E1-23
4.9. Work Orders.....	E1-23

## **ATTACHMENT E1– NOTIFICATION, MONITORING, REPORTING AND RECORDKEEPING REQUIREMENTS**

The Notification Requirements (section 1), Spill-specific Monitoring Requirements (section 2), Reporting Requirements (section 3) and Recordkeeping Requirements (section 4) in this Attachment are pursuant to Water Code section 13267 and section 13383, and are an enforceable component of this General Order. For the purpose of this General Order, the term:

- Notification means the notifying of appropriate parties of a spill event or other activity.
- Spill-specific Monitoring means the gathering of information and data for a specific spill event to be reported or kept as records.
- Reporting means the reporting of information and data into the online California Integrated Water Quality System (CIWQS) Sanitary Sewer System Database.
- Recordkeeping means the maintaining of information and data in an official records storage system.

Failure to comply with the notification, monitoring, reporting and recordkeeping requirements in this General Order may subject the Enrollee to civil liabilities of up to \$10,000 a day per violation pursuant to Water Code section 13385; up to \$1,000 a day per violation pursuant to Water Code section 13268; or referral to the Attorney General for judicial civil enforcement.

Water Code section 13193 et seq. requires the Regional Water Quality Control Boards (Regional Water Boards) and the State Water Resources Control Board (State Water Board) to collect sanitary sewer spill information for each spill event and make this information available to the public. Sanitary sewer spill information for each spill event includes but is not limited to: Enrollee contact information for each spill event, spill cause, estimated spill volume and factors used for estimation, location, date, time, duration, amount discharged to waters of the State, response and corrective action(s) taken.

### **1. NOTIFICATION REQUIREMENTS**

#### **1.1. Notification of Spills of 1,000 Gallons or Greater to the California Office of Emergency Services**

Per Water Code section 13271, for a spill that discharges in or on any waters of the State, or discharges or is deposited where it is, or probably will be, discharged in or on any waters of the State, the Enrollee shall notify the California Office of Emergency Services and obtain a California Office of Emergency Services Control Number as soon as possible **but no later than two (2) hours** after:

- The Enrollee has knowledge of the spill; and
- Notification can be provided without substantially impeding cleanup or other emergency measures.

The notification requirements in this section apply to individual spills of 1,000 gallons or greater, from an Enrollee-owned and/or operated laterals, to a water of the State.

## **1.2. Spill Notification Information**

The Enrollee shall provide the following spill information to the California Office of Emergency Services before receiving a Control Number, as applicable:

- Name and phone number of the person notifying the California Office of Emergency Services;
- Estimated spill volume (gallons);
- Estimated spill rate from the system (gallons per minute);
- Estimated discharge rate (gallons per minute) directly into waters of the State or indirectly into a drainage conveyance system;
- Spill incident description:
  - Brief narrative of the spill event, and
  - Spill incident location (address, city, and zip code) and closest cross streets and/or landmarks;
- Name and phone number of contact person on-scene;
- Date and time the Enrollee was informed of the spill event;
- Name of sanitary sewer system causing the spill;
- Spill cause or suspected cause (if known);
- Amount of spill contained;
- Name of receiving water body receiving or potentially receiving discharge; and
- Description of water body impact and/ or potential impact to beneficial uses.

## **1.3. Notification of Spill Report Updates**

Following the initial notification to the California Office of Emergency Services and until such time that the Enrollee certifies the spill report in the online CIWQS Sanitary Sewer System Database, the Enrollee shall provide updates to the California Office of Emergency Services regarding substantial changes to:

- Estimated spill volume (increase or decrease in gallons initially estimated);
- Estimated discharge volume discharged directly into waters of the State or indirectly into a drainage conveyance system (increase or decrease in gallons initially estimated); and
- Additional impact(s) to the receiving water(s) and beneficial uses.

## **2. SPILL-SPECIFIC MONITORING REQUIREMENTS**

### **2.1 Spill Location and Spread**

The Enrollee shall visually assess the spill location(s) and spread using photography, global positioning system (GPS), and other best available tools. The Enrollee shall document the critical spill locations, including:

- Photography and GPS coordinates for:
  - The system location where spill originated.  
For multiple appearance points of a single spill event, the points closest to the spill origin.
- Photography for:
  - Drainage conveyance system entry locations,
  - The location(s) of discharge into surface waters, as applicable,
  - Extent of spill spread, and
  - The location(s) of clean up.

### **2.2 Spill Volume Estimation**

To assess the approximate spill magnitude and spread, the Enrollee shall estimate the total spill volume using updated volume estimation techniques, calculations, and documentation for electronic reporting. The Enrollee shall update its notification and reporting of estimated spill volume (which includes spill volume recovered) as further information is gathered during and after a spill event.

### **2.3. Receiving Water Monitoring**

#### **2.3.1. Receiving Water Visual Observations**

Through visual observations and use of best available spill volume-estimating techniques and field calculation techniques, the Enrollee shall gather and document the following information for spills discharging to surface waters:

- Estimated spill travel time to the receiving water;
- For spills entering a drainage conveyance system, estimated spill travel time from the point of entry into the drainage conveyance system to the point of discharge into the receiving water;
- Estimated spill volume entering the receiving water; and
- Photography of:
  - Waterbody bank erosion,
  - Floating matter,
  - Water surface sheen (potentially from oil and grease),

## STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER 2022-0103-DWQ

- Discoloration of receiving water, and
- Impact to the receiving water.

### 2.3.2. Receiving Water – Water Quality Sampling and Analysis

For sewage spills in which an estimated 50,000 gallons or greater are discharged into a surface water, the Enrollee shall conduct the following water quality sampling no later than **18 hours** after the Enrollee's knowledge of a potential discharge to a surface water:

- Collect one water sample, each day of the duration of the spill, at:
  - The DCS-001 location as described in section 2.3.4 (Receiving Water Sampling Locations) of this Attachment, if sewage discharges to a surface water via a drainage conveyance system; and/or
  - Each of the three receiving water sampling locations in section 2.3.4 (Receiving Water Sampling Locations) of this Attachment;

If the receiving water has no flow during the duration of the spill, the Enrollee must report "No Sampling Due To No Flow" for its receiving water sampling locations.

The Enrollee shall analyze the collected receiving water samples for the following constituents per section 2.3.3 (Water Quality Analysis Specifications) of this Attachment:

- Ammonia, and
- Appropriate bacterial indicator(s) per the applicable Basin Plan water quality objectives, including one or more of the following, unless directed otherwise by the Regional Water Board:
  - Total Coliform Bacteria
  - Fecal Coliform Bacteria
  - *E-coli*
  - Enterococcus

Dependent on the receiving water(s), sampling of bacterial indicators shall be sufficient to determine post-spill (after the spill) compliance with the water quality objectives and bacterial standards of the California Ocean Plan or the California Inland Surface Water Enclosed Bays, and Estuaries Plan, including the frequency and/or number of post-spill receiving water samples as may be specified in the applicable plans.

The Enrollee shall collect and analyze additional samples as required by the applicable Regional Water Board Executive Officer or designee.

### 2.3.3. Water Quality Analysis Specifications

Spill monitoring must be representative of the monitored activity (40 Code of Federal Regulations section 122.41(j)(1)).

#### Sufficiently Sensitive Methods

Sample analysis must be conducted according to sufficiently sensitive test methods approved under 40 Code of Federal Regulations Part 136 for the sample analysis of pollutants. For the purposes of this General Order, a method is sufficiently sensitive when the minimum level of the analytical method approved under 40 Code of Federal Regulations Part 136 is at or below the receiving water pollutant criteria.

#### Environmental Laboratory Accreditation Program-Accredited Laboratories

The analysis of water quality samples required per this General Order must be performed by a laboratory that has accreditation pursuant to Article 3 (commencing with section 100825) of Chapter 4 of Part 1 of Division 101 of the Health and Safety Code. (Water Code section 13176(a).) The State Water Board accredits laboratories through its Environmental Laboratory Accreditation Program (ELAP).

### 2.3.4. Receiving Water Sampling Locations

The Enrollee shall collect receiving water samples at the following locations.

#### **Sampling of Flow in Drainage Conveyance System (DCS) Prior to Discharge**

<b>Sampling Location</b>	<b>Sampling Location Description</b>
DCS-001	A point in a drainage conveyance system before the drainage conveyance system flow discharges into a receiving water.

#### **Receiving Surface Water Sampling (RSW)<sup>1</sup>**

<b>Sampling Location</b>	<b>Sampling Location Description</b>
RSW-001 Point of Discharge	A point in the receiving water where sewage initially enters the receiving water.
RSW-001U: Upstream of Point of Discharge	A point in the receiving water, upstream of the point of sewage discharge, to capture ambient conditions absent of sewage discharge impacts.

Sampling Location	Sampling Location Description
RSW-001D: Downstream of Point of Discharge	A point in the receiving water, downstream of the point of sewage discharge, where the spill material is fully mixed with the receiving water.

<sup>1</sup> The Enrollee must use its best professional judgment to determine the upstream and downstream distances based on receiving water flow, accessibility to upstream/downstream waterbody banks, and size of visible sewage plume.

## 2.4. Safety and Access Exceptions

If the Enrollee encounters access restrictions or unsafe conditions that prevents its compliance with spill response requirements or monitoring requirements in this General Order, the Enrollee shall provide documentation of access restrictions and/or safety hazards in the corresponding required report.

## 3. REPORTING REQUIREMENTS

All reporting required in this General Order must be submitted electronically to the online [CIWQS Sanitary Sewer System Database](https://ciwqs.waterboards.ca.gov) (<https://ciwqs.waterboards.ca.gov>), unless specified otherwise in this General Order. Electronic reporting may solely be conducted by a Legally Responsible Official or Data Submitter(s) previously designated by the Legally Responsible Official, as required in section 5.8 (Designation of Data Submitters) of this General Order.

The Enrollee shall report any information that is protected by the Homeland Security Act, by email to [SanitarySewer@waterboards.ca.gov](mailto:SanitarySewer@waterboards.ca.gov), with a brief explanation of the protection provided by the Homeland Security Act for the subject report to be protected from unauthorized disclosure and/or public access, and for official Water Board regulatory purposes only.

### 3.1. Reporting Requirements for Individual Category 1 Spill Reporting

#### 3.1.1. Draft Spill Report for Category 1 Spills

**Within three (3) business days** of the Enrollee's knowledge of a Category 1 spill, the Enrollee shall submit a Draft Spill Report to the online CIWQS Sanitary Sewer System Database.

The Draft Spill Report must, at minimum, include the following items:

1. Contact information: Name and telephone number of Enrollee contact person to respond to spill-specific questions;
2. Spill location name;
3. Date and time the Enrollee was notified of, or self-discovered, the spill;
4. Operator arrival time;

## STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER 2022-0103-DWQ

5. Estimated spill start date and time;
6. Date and time the Enrollee notified the California Office of Emergency Services, and the assigned control number;
7. Description, photographs, and GPS coordinates of the system location where the spill originated;
  - o If a single spill event results in multiple appearance points, provide GPS coordinates for the appearance point closest to the failure point and describe each additional appearance point in the spill appearance point explanation field;
8. Estimated total spill volume exiting the system;
9. Description and photographs of the extent of the spill and spill boundaries;
10. Did the spill reach a drainage conveyance system? If Yes:
  - o Description of the drainage conveyance system transporting the spill;
  - o Photographs of the drainage conveyance system entry location(s);
  - o Estimated spill volume fully recovered from the drainage conveyance system;
  - o Estimated spill volume remaining within the drainage conveyance system;
11. Description and photographs of all discharge point(s) into the surface water;
12. Estimated spill volume that discharged to surface waters; and
13. Estimated total spill volume recovered.

### 3.1.2. Certified Spill Report for Category 1 Spills

**Within 15 calendar days** of the spill end date, the Enrollee shall submit a Certified Spill Report for Category 1 spills, to the online CIWQS Sanitary Sewer System Database. Upon completion of the Certified Spill Report, the online CIWQS Sanitary Sewer System Database will issue a final spill event identification number.

The Certified Spill Report must, at minimum, include the following mandatory information in addition to all information in the Draft Spill Report per section 3.1.1 (Draft Spill Report for Category 1 Spills) above:

1. Description of the spill event destination(s), including GPS coordinates if available, that represent the full spread and reach of the spill;
2. Spill end date and time;
3. Description of how the spill volume estimations were calculated, including at a minimum:
  - o The methodology, assumptions and type of data relied upon, such as supervisory control and data acquisition (SCADA) records, flow monitoring or other telemetry information used to estimate the volume of the spill discharged, and the volume of the spill recovered (if any volume of the spill was recovered), and
  - o The methodology(ies), assumptions and type of data relied upon for estimations of the spill start time and the spill end time;

## STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER 2022-0103-DWQ

4. Spill cause(s) (for example, root intrusion, grease deposition, etc.);
5. System failure location (for example, main, lateral, pump station, etc.);
6. Description of the pipe material, and estimated age of the pipe material, at the failure location;
7. Description of the impact of the spill;
8. Whether or not the spill was associated with a storm event;
9. Description of spill response activities including description of immediate spill containment and cleanup efforts;
10. Description of spill corrective action, including steps planned or taken to reduce, eliminate, and prevent reoccurrence of the spill, and a schedule of major milestones for those steps;
11. Spill response completion date;
12. Detailed narrative of investigation and investigation findings of cause of spill;
13. Reasons for an ongoing investigation (as applicable) and the expected date of completion;
14. Name and type of receiving water body(s);
15. Description of the water body(s), including but not limited to:
  - Observed impacts on aquatic life,
  - Public closure, restricted public access, temporary restricted use, and/or posted health warnings due to spill,
  - Responsible entity for closing/restricting use of water body, and
  - Number of days closed/restricted as a result of the spill.
16. Whether or not the spill was located within 1,000 feet of a municipal surface water intake; and
17. If water quality samples were collected, identify sample locations and the parameters the water quality samples were analyzed for. If no samples were taken, Not Applicable shall be selected.

### **3.1.3. Spill Technical Report for Individual Category 1 Spill in which 50,000 Gallons or Greater Discharged into a Surface Water**

For any spill in which 50,000 gallons or greater discharged into a surface water, **within 45 calendar days** of the spill end date, the Enrollee shall submit a Spill Technical Report to the online CIWQS Sanitary Sewer System Database. The Spill Technical Report, at minimum, must include the following information:

1. Spill causes and circumstances, including at minimum:
  - Complete and detailed explanation of how and when the spill was discovered;

## STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER 2022-0103-DWQ

- Photographs illustrating the spill origin, the extent and reach of the spill, drainage conveyance system entrance and exit, receiving water, and post-cleanup site conditions;
- Diagram showing the spill failure point, appearance point(s), the spill flow path, and ultimate destinations;
- Detailed description of the methodology employed, and available data used to calculate the discharge volume and, if applicable, the recovered spill volume;
- Detailed description of the spill cause(s);
- Description of the pipe material, and estimated age of the pipe material, at the failure location;
- Description of the impact of the spill;
- Copy of original field crew records used to document the spill; and
- Historical maintenance records for the failure location.

2. Enrollee's response to the spill:

- Chronological narrative description of all actions taken by the Enrollee to terminate the spill;
- Explanation of how the Sewer System Management Plan Spill Emergency Response Plan was implemented to respond to and mitigate the spill; and
- Final corrective action(s) completed and a schedule for planned corrective actions, including:
  - Local regulatory enforcement action taken against an illicit discharge in response to this spill, as applicable,
  - Identifiable system modifications, and operation and maintenance program modifications needed to prevent repeated spill occurrences, and
  - Necessary modifications to the Emergency Spill Response Plan to incorporate lessons learned in responding to and mitigating the spill.

3. Water Quality Monitoring, including at minimum:

- Description of all water quality sampling activities conducted;
- List of pollutant and parameters monitored, sampled and analyzed; as required in section 2.3 (Receiving Water Monitoring) of this Attachment;
- Laboratory results, including laboratory reports;
- Detailed location map illustrating all water quality sampling points; and
- Other regulatory agencies receiving sample results (if applicable).

4. Evaluation of spill impact(s), including a description of short-term and long-term impact(s) to beneficial uses of the surface water.

### **3.1.4. Amended Certified Spill Reports for Individual Category 1 Spills**

The Enrollee shall update or add additional information to a Certified Spill Report within **90 calendar days** of the spill end date by amending the report or by adding an attachment to the Spill Report in the online CIWQS Sanitary Sewer System Database. The Enrollee shall certify the amended report.

After **90 calendar days**, the Enrollee shall contact the State Water Board at [SanitarySewer@waterboards.ca.gov](mailto:SanitarySewer@waterboards.ca.gov) to request to amend a Spill Report. The Legally Responsible Official shall submit justification for why the additional information was not reported within the Amended Spill Report due date.

## **3.2. Reporting Requirements for Individual Category 2 Spill Reporting**

### **3.2.1. Draft Spill Report for Category 2 Spills**

**Within three (3) business days** of the Enrollee's knowledge of a Category 2 spill, the Enrollee shall submit a Draft Spill Report to the online CIWQS Sanitary Sewer System Database.

The Draft Spill Report must, at minimum, include the following items:

1. Contact information: Name and telephone number of Enrollee contact person to respond to spill-specific questions;
2. Spill location name;
3. Date and time the Enrollee was notified of, or self-discovered, the spill;
4. Operator arrival time;
5. Estimated spill start date and time;
6. Date and time the Enrollee notified the California Office of Emergency Services, and the assigned control number;
7. Description, photographs, and GPS coordinates of the system location where the spill originated;

If a single spill event results in multiple appearance points, provide GPS coordinates for the appearance point closest to the failure point and describe each additional appearance point in the spill appearance point explanation field;

8. Estimated total spill volume exiting the system;
9. Description and photographs of the extent of the spill and spill boundaries;
10. Did the spill reach a drainage conveyance system? If Yes:
  - o Description of the drainage conveyance system transporting the spill;
  - o Photographs of the drainage conveyance system entry location(s);
  - o Estimated spill volume fully recovered from the drainage conveyance system;
  - o Estimated spill volume remaining within the drainage conveyance system;

# STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER 2022-0103-DWQ

- Estimated spill volume discharged to a groundwater infiltration basin or facility, if applicable; and
- 11. Estimated total spill volume recovered.

## 3.2.2. Certified Spill Report for Category 2 Spills

**Within 15 calendar days** of the spill end date, the Enrollee shall submit a Certified Spill Report for the Category 2 spill, to the online [CIWQS Sanitary Sewer System Database](https://ciwqs.waterboards.ca.gov) (<https://ciwqs.waterboards.ca.gov>). Upon completion of the Certified Spill Report, the online CIWQS Sanitary Sewer System Database will issue a final spill event identification number.

The Certified Spill Report must, at minimum, include the following mandatory information in addition to all information in the Draft Spill Report per section 3.2.1 (Draft Spill Report for Category 2 Spills) above:

1. Description of the spill event destination(s), including GPS coordinates if available, that represent the full spread and reach of the spill;
2. Spill end date and time;
3. Description of how the spill volume estimations were calculated, including at a minimum:
  - The methodology, assumptions and type of data relied upon, such as supervisory control and data acquisition (SCADA) records, flow monitoring or other telemetry information used to estimate the volume of the spill discharged, and the volume of the spill recovered (if any volume of the spill was recovered), and
  - The methodology(ies), assumptions and type of data relied upon for estimations of the spill start time and the spill end time;
4. Spill cause(s) (for example, root intrusion, grease deposition, etc.);
5. System failure location (for example, main, pump station, etc.);
6. Description of the pipe/infrastructure material, and estimated age of the pipe material, at the failure location;
7. Description of the impact of the spill;
8. Whether or not the spill was associated with a storm event;
9. Description of spill response activities including description of immediate spill containment and cleanup efforts;
10. Description of spill corrective action, including steps planned or taken to reduce, eliminate, and prevent reoccurrence of the spill, and a schedule of major milestones for those steps;
11. Spill response completion date;
12. Detailed narrative of investigation and investigation findings of cause of spill;
13. Reasons for an ongoing investigation (as applicable) and the expected date of completion; and

## STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER 2022-0103-DWQ

14. Whether or not the spill was located within 1,000 feet of a municipal surface water intake.

### **3.2.3. Amended Certified Spill Reports for Individual Category 2 Spills**

The Enrollee shall update or add additional information to a Certified Spill Report within **90 calendar days** of the spill end date by amending the report or by adding an attachment to the Spill Report in the online CIWQS Sanitary Sewer System Database. The Enrollee shall certify the amended report.

After **90 calendar days**, the Enrollee shall contact the State Water Board at [SanitarySewer@waterboards.ca.gov](mailto:SanitarySewer@waterboards.ca.gov) to request to amend a Spill Report. The Legally Responsible Official shall submit justification for why the additional information was not reported within the Amended Spill Report due date.

### **3.3. Monthly Certified Spill Reporting for Category 3 Spills**

The Enrollee shall report and certify all Category 3 spills to the online CIWQS Sanitary Sewer System Database within 30 calendar days after the end of the month in which the spills occurred. (For example, all Category 3 spills occurring in the month of February shall be reported and certified by March 30<sup>th</sup>). After the Legally Responsible Official certifies the spills, the online CIWQS Sanitary Sewer System Database will issue a spill event identification number for each spill.

The monthly reporting of all Category 3 spills must include the following items for each spill:

1. Contact information: Name and telephone number of Enrollee contact person to respond to spill-specific questions;
2. Spill location name;
3. Date and time the Enrollee was notified of, or self-discovered, the spill;
4. Operator arrival time;
5. Estimated spill start date and time;
6. Description, photographs, and GPS coordinates where the spill originated:
  - o If a single spill event results in multiple appearance points, provide GPS coordinates for the appearance point closest to the failure point and describe each additional appearance point in the spill appearance point explanation field;
7. Estimated total spill volume exiting the system;
8. Description and photographs of the extent of the spill and spill boundaries;
9. Did the spill reach a drainage conveyance system? If Yes:
  - o Description of the drainage conveyance system transporting the spill;
  - o Photographs of the drainage conveyance system entry locations(s);
  - o Estimated spill volume fully recovered from the drainage conveyance system; and

## STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER 2022-0103-DWQ

- Estimated spill volume discharged to a groundwater infiltration basis or facility, if applicable.
- 10. Estimated total spill volume recovered;
- 11. Description of the spill event destination(s), including GPS coordinates, if available, that represent the full spread and reaches of the spill;
- 12. Spill end date and time;
- 13. Description of how the spill volume estimations were calculated, including, at minimum:
  - The methodology and type of data relied upon, including supervisory control and data acquisition (SCADA) records, flow monitoring or other telemetry information used to estimate the volume of the spill discharged, and the volume of the spill recovered (if any volume of the spill was recovered), and
  - The methodology and type of data relied upon to estimate the spill start time, on-going spill rate at time of arrival (if applicable), and the spill end time;
- 14. Spill cause(s) (for example, root intrusion, grease deposition, etc.);
- 15. System failure location (for example, main, pump station, etc.);
- 16. Description of the pipe/infrastructure material, and estimated age of the pipe/infrastructure material, at the failure location;
- 17. Description of the impact of the spill;
- 18. Whether or not the spill was associated with a storm event;
- 19. Description of spill response activities including description of immediate spill containment and cleanup efforts;
- 20. Description of spill corrective actions, including steps planned or taken to reduce, eliminate, and prevent reoccurrence of the spill, and a schedule of the major milestones for those steps; including, at minimum:
  - Local regulatory enforcement action taken against an illicit discharge in response to this spill, as applicable, and
  - Identifiable system modifications, and operation and maintenance program modifications needed to prevent repeated spill occurrences at the same spill event location, including:
    - Adjusted schedule/method of preventive maintenance,
    - Planned rehabilitation or replacement of sanitary sewer asset,
    - Inspected, repaired asset(s), or replaced defective asset(s),
    - Capital improvements,
    - Documentation verifying immediately implemented system modifications and operating/maintenance modifications,
    - Description of spill response activities,

# STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER 2022-0103-DWQ

- Spill response completion date, and
- Ongoing investigation efforts, and expected completion date of investigation to determine the full cause of spill;

21. Detailed narrative of investigation and investigation findings of cause of spill.

## **3.4. Monthly Certified Spill Reporting for Category 4 Spills**

The Enrollee shall report and certify the estimated total spill volume exiting the sanitary sewer system, and the total number of all Category 4 spills to the online CIWQS Sanitary Sewer System Database, within 30 calendar days after the end of the month in which the spills occurred.

## **3.5. Amended Certified Spill Reports for Category 3 Spills**

**Within 90 calendar days of the certified Spill Report due date**, the Enrollee may update or add additional information to a certified Spill Report by amending the report or by adding an attachment to the Spill Report in the online CIWQS Sanitary Sewer System Database. The Enrollee shall certify the amended report.

**After 90 calendar days**, the Legally Responsible Official shall contact the State Water Board at [SanitarySewer@waterboards.ca.gov](mailto:SanitarySewer@waterboards.ca.gov) to request to amend a certified Spill Report. The Legally Responsible Official shall submit justification for why the additional information was not reported within the 90-day timeframe for amending the certified Spill Report, as provided above.

## **3.6. Annual Certified Spill Reporting of Category 4 and/or Lateral Spills**

For all Category 4 spills and spills from its owned and/or operated laterals that are caused by a failure or blockage in the lateral and that do not discharge to a surface water, the Enrollee shall:

- Maintain records per section 4.4. of this Attachment;  
The Enrollee shall provide records upon request by State Water Board or Regional Water Board staff.
- Annually upload and certify a report, in an appropriate digital format, of all recordkeeping of spills to the online CIWQS Sanitary Sewer System Database, by February 1st after the end of the calendar year in which the spills occurred.

A spill from an Enrollee-owned and/or operated lateral that discharges to a surface water is a Category 1 spill; the Enrollee shall report all Category 1 spills per section 3.1 of Attachment E1 (Notification, Monitoring, Reporting and Recordkeeping Requirements) of this General Order.

## **3.7. Monthly Certification of “No-Spills” or “Category 4 Spills” and/or “Non-Category 1 Lateral Spills”**

If either (1) no spills occur during a calendar month or (2) only Category 4, and/or Enrollee-owned and/or operated lateral spills (that do not discharge to a surface water) occur during a calendar month, the Enrollee shall certify, within 30 calendar days after

## STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER 2022-0103-DWQ

the end of each calendar month, either a “No-Spill” certification statement, or a “Category 4 Spills” and/or “Non-Category 1 Lateral Spills” certification statement, in the online CIWQS Sanitary Sewer System Database, certifying that there were either no spills, or Category 4 and/or Non-Category 1 Lateral Spills that will be reported annually (per section 3.6 of this Attachment) for the designated month.

If a spill starts in one calendar month and ends in a subsequent calendar month, and the Enrollee has no further spills of any category, in the subsequent calendar month, the Enrollee shall certify “no-spills” for the subsequent calendar month.

If the Enrollee has no spills from its systems during a calendar month, but the Enrollee voluntarily reported a spill from a private lateral or a private system, the Enrollee shall certify “no-spills” for that calendar month.

If the Enrollees has spills from its owned and/or operated laterals during a calendar month, the Enrollee shall not certify “no spills” for that calendar month.

### **3.8. Electronic Sanitary Sewer System Service Area Boundary Map**

The Legally Responsible Official shall submit, to the State Water Board, an up-to-date electronic spatial map of its sewer system service area boundaries. The map must be in accordance with section 5.14 (Electronic Sanitary Sewer System Service Area Boundary Map) of this General Order and the specification provided on the statewide Sanitary Sewer Systems program website. The map must include the location of wastewater treatment facility(ies) that treats the sewer system waste, if in the same sewer service boundary.

By the Effective Date of this General Order, specifications for the electronic sanitary sewer service area boundary map format will be provided on the statewide Sanitary Sewer Systems Order program website.

### **3.9. Annual Report (Previously termed as Collection System Questionnaire in General Order 2006-0003-DWQ)**

A new Enrollee shall complete and submit its first certified Annual Report into the online CIWQS Sanitary Sewer System Database, **within 30 days of obtaining a CIWQS account**; Subsequent Annual Reports are due by April 1 of each year.

All enrollees shall update their previous year's Annual Report, **by April 1 of each year after the Effective Date of this General Order**, for each calendar year (January 1 through December 31).

The Annual Report must be entered directly into the online CIWQS Sanitary Sewer System Database. The Enrollee's Legally Responsible Official shall certify the Annual Report as instructed in CIWQS;

The Annual Report must address, and update as applicable, the following items:

- Population served;

## STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER 2022-0103-DWQ

- Updated sewer system service area boundary map, if service area boundary has changed from original map submitted per section 5.14 (Electronic Sanitary Sewer System Service Area Boundary Map) of this General Order;
- Number of system operation and maintenance staff:
  - Entry level (less than two years of experience),
  - Journey level (greater than two years of experience),
  - Supervisory level, and
  - Managerial level;
- Number of operation and maintenance staff certified as a certified collection system operator by the California Water Environmental Association (CWEA), with:
  - Corresponding number of certified collection system operator grade levels (Grade I, II, III, IV, and V);
- System information:
  - Miles of system gravity and force mains,
  - Number of upper and lower service laterals connected to system,
  - Estimated number of upper and lower laterals owned and/or operated by the Enrollee,
  - Portion of laterals that is Enrollee's responsibility,
  - Average age the major components of system infrastructure,
  - Number and age of pump stations, and
  - Estimated total miles of the system pipeline not accessible for maintenance;
- Name and location of the treatment plant(s) receiving sanitary sewer system's waste;
- Name of satellite sewer system tributaries;
- Number of system's gravity sewer above or underground crossings of water bodies throughout system;
- Number of force main (pressurized pipe) above or underground crossings of water bodies throughout system;
- Number of siphons used to convey waste throughout the sewer system;
- Miles of sewer system cleaned;
- Miles of sewer system video inspected, or comparable (i.e., video closed-circuit television or alternative inspection methods);
- System Performance Evaluation as specified in section 5.11 (System Performance Analysis) of this General Order;
- Major spill causes (for example, root intrusion, grease deposition);

## STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER 2022-0103-DWQ

- System infrastructure failure points (for example, main, pump station, lateral, etc.);
- Ongoing spill investigations; and
- Actions taken to address system deficiencies.

### **3.10. Sewer System Management Plan Audit Reporting Requirements**

The Enrollee shall submit its Sewer System Management Plan Audit and other pertinent audit information, in accordance with section 5.4 (Sewer System Management Plan Audits) of this General Order, to the online CIWQS Sanitary Sewer System Database **by six (6) months after the end of the 3-year audit period.**

If a Sewer System Management Plan Audit is not conducted as required: the Enrollee shall:

- Update the online CIWQS Sanitary Sewer System Database and select the justification for not conducting the Audit; and
- Notify its corresponding Regional Water Board (see Attachment F (Regional Water Quality Control Board Contact Information)) of the justification for the lapsed requirements.

The Enrollee's reporting of a justification for not conducting a timely Audit does not justify non-compliance with this General Order. The Enrollee shall:

- Submit the late Audit as required in this General Order; and
- Comply with subsequent Audit requirements and due dates corresponding with the original audit cycle.

### **3.11. Sewer System Management Plan Reporting Requirements**

For an Existing Enrollee previously regulated by Order 2006-0003-DWQ: **Within every six (6) years after the required due date of its last Plan Update,** the Legally Responsible Official shall upload and certify a local governing entity-approved Sewer System Management Plan Update to the online CIWQS Sanitary Sewer System Database. If the electronic document format or size capacity prevents the electronic upload of the Plan, the Legally Responsible Official shall report an electronic link to its updated Sewer System Management Plan posted on its own website.

Order 2006-0003-DWQ required each enrollee to develop its initial Sewer System Management Plan per the following schedule, with required Plan updates at a frequency of 5-years thereafter:

Systems serving populations: Greater than 100,000: May 2, 2009

Between 100,000 and 10,000: August 2, 2009

Between 10,000 and 2,500: May 2, 2010

Less than 2,500: August 2, 2010

## STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER 2022-0103-DWQ

This Order carries forth the previously-required Plan Update schedule per Order 2006-0003-DWQ. Per the six-year Plan Update frequency required in this Order, the Enrollee shall upload and certify its first Plan Update, to the online CIWQS Sanitary Sewer System Database by the following due dates, with subsequent Plan Updates at the frequency of six years thereafter:

Systems serving populations: Greater than 100,000: May 2, 2025

Between 100,000 and 10,000: August 2, 2025

Between 10,000 and 2,500: May 2, 2026

Less than 2,500: August 2, 2026

**For a New Enrollee: Within twelve (12) months of its Application for Enrollment**

**Approval date**, the Legally Responsible Official of a new Enrollee shall upload and certify a local governing entity-approved Sewer System Management Plan to the online CIWQS Sanitary Sewer System Database. If electronic document format or size capacity prevents the electronic upload of the Plan, the Legally Responsible Official shall report an electronic link to its Sewer System Management Plan posted on its own website. The due date for subsequent 6-year Plan updates, is six (6) years from the submittal due date of the new Enrollee's first Sewer System Management Plan.

## 4. RECORDKEEPING REQUIREMENTS

The Enrollee shall maintain records to document compliance with the provisions of this General Order, and previous General Order 2006-0003-DWQ as applicable, for each sanitary sewer system owned, including any required records generated by an Enrollee's contractor(s).

### 4.1. Recordkeeping Time Period

The Enrollee shall maintain records of documents required in this Attachment, including records collected for compliance with this General Order, and records collected in accordance with previous General Order 2006-0003-DWQ, for five (5) years.

### 4.2. Availability of Documents

The Enrollee shall make the records required in this General Order readily available, either electronic or hard copies, for review by Water Board staff during onsite inspections or through an information request.

### 4.3. Spill Reports

The Enrollee shall maintain records for each of the following spill-related events and activities:

- Spill event complaint, including but not limited to records documenting how the Enrollee responded to notifications of spills. Each complaint record must, at a minimum, include the following information:
  - Date, time, and method of notification,

## STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER 2022-0103-DWQ

- Date and time the complainant first noticed the spill, if available,
- Narrative description of the complaint, including any information the caller provided regarding whether the spill has reached surface waters or a drainage conveyance system, if available,
- Complainant's contact information, if available, and
- Final resolution of the complaint;
- Records documenting the steps and/or remedial action(s) undertaken by the Enrollee, using all available information, to comply with this General Order, and previous General Order 2006-0003-DWQ as applicable;
- Records documenting how estimate(s) of volume(s) and, if applicable, volume(s) of spill recovered were calculated;
- All California Office of Emergency Services notification records, as applicable; and
- Records, in accordance with the Monitoring Requirements in this Attachment.

### **4.4. Recordkeeping of Category 4 Spills and Non-Category 1 Lateral Spills**

An Enrollee must maintain the following records for each individual Category 4 spill and for each individual non-Category 1 Enrollee-owned and/or operated lateral spill, and report in accordance to section 3.6 (Annual Certified Spill Reporting of Category 4 and/or Lateral Spills) of this Attachment.

#### **Recordkeeping of Individual Category 4 Spill Information:**

1. Contact information: Name and telephone number of Enrollee contact person to respond to spill-specific questions;
2. Spill location name;
3. Description and GPS coordinates for the system location where the spill originated;
4. Did the spill reach a drainage conveyance system? If Yes:
  - Description of drainage conveyance system location,
  - Estimated spill volume fully recovered within the drainage conveyance system, and
  - Estimated spill volume remaining within the drainage conveyance system;
5. Estimated total spill volume exiting the sanitary sewer system;
6. Spill date and start time;
7. Spill cause(s) (for example, root intrusion, grease deposition, etc.);
8. System failure location (for example, main, pump station, etc.);
9. Description of spill response activities including description of immediate spill containment and cleanup efforts;
10. Description of how the volume estimation was calculated, including, at minimum:

## STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER 2022-0103-DWQ

- The methodology and type of data relied upon, including supervisory control and data acquisition (SCADA) records, flow monitoring or other telemetry information used to estimate the volume of the spill discharged, and the volume of the spill recovered (if any volume of the spill was recovered), and
- The methodology and type of data relied upon to estimate the spill start time, on-going spill rate at time of arrival (if applicable), and the spill end time;

11. Description of implemented system modifications and operating/maintenance modifications.

### **Recordkeeping of Individual Lateral Spill Information:**

1. Date and time the Enrollee was notified of, or self-discovered, the spill;
2. Location of individual spill;
3. Estimated individual spill volume;
4. Spill cause(s) (for example, root intrusion, grease deposition, etc.); and
5. Description of how the volume estimations were calculated.

### **Total Annual Spill Information:**

1. Estimated total annual spill volume;
2. Description of spill corrective actions, including at minimum:
  - Local regulatory enforcement action taken against the sewer lateral owner in response to a spill, as applicable, and
  - System operation, maintenance and program modifications implemented to prevent repeated spill occurrences at the same spill location.

## **4.5. Sewer System Telemetry Records**

The Enrollee shall maintain the following sewer system telemetry records if used to document compliance with this General Order, and previous General Order 2006-0003-DWQ as applicable, including spill volume estimates:

- Supervisory control and data acquisition (SCADA) system(s);
- Alarm system(s);
- Flow monitoring device(s) or other instrument(s) used to estimate sewage flow rates, and/or volumes;
- Computerized maintenance management system records; and
- Asset management-related records.

## **4.6. Sewer System Management Plan Implementation Records**

The Enrollee shall maintain records documenting the Enrollee's implementation of its Sewer System Management Plan, including documents supporting its Sewer System Management Plan audits, corrections, modifications, and updates to the Sewer System Management Plan.

## STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER 2022-0103-DWQ

### **4.7. Audit Records**

The Enrollee shall maintain, at minimum, the following records pertaining to its Sewer System Management Plan audits, and other internal audits:

- Completed audit documents and findings;
- Name and contact information of staff and/or consultants that conducted or involved in the audit; and
- Follow-up actions based on audit findings.

### **4.8. Equipment Records**

The Enrollee shall maintain a log of all owned and leased sewer system cleaning, operational, maintenance, construction, and rehabilitation equipment.

### **4.9. Work Orders**

The Enrollee shall maintain record of work orders for operations and maintenance projects.

## ATTACHMENT E2 – SUMMARY OF NOTIFICATION, MONITORING AND REPORTING REQUIREMENTS

This Attachment provides a summary of notification, monitoring and reporting requirements, by spill category, and for Enrollee-owned and/or operated laterals as required in Attachment E1 of this General Order, for quick reference purposes only.

**Table E2-1**  
**Spill Category 1: Spills to Surface Waters**

<b>Spill Requirement</b>	<b>Due</b>	<b>Method</b>
Notification	<p><b>Within two (2) hours</b> of the Enrollee's knowledge of a Category 1 spill of 1,000 gallons or greater, discharging or threatening to discharge to surface waters:</p> <p>Notify the California Office of Emergency Services and obtain a notification control number.</p>	<p>California Office of Emergency Services at: (800) 852-7550</p> <p>(Section 1 of Attachment E1)</p>
Monitoring	<ul style="list-style-type: none"> <li>• Conduct spill-specific monitoring;</li> <li>• Conduct water quality sampling of the receiving water <b>within 18 hours</b> of initial knowledge of spill of 50,000 gallons or greater to surface waters.</li> </ul>	<p>(Section 2 of Attachment E1)</p>
Reporting	<ul style="list-style-type: none"> <li>• Submit Draft Spill Report <b>within three (3) business days</b> of the Enrollee's knowledge of the spill;</li> <li>• Submit Certified Spill Report <b>within 15 calendar days</b> of the spill end date;</li> <li>• Submit Technical Report <b>within 45 calendar days</b> after the spill end date for a Category 1 spill in which <b>50,000 gallons or greater</b> discharged to surface waters; and</li> <li>• Submit Amended Spill Report <b>within 90 calendar days</b> after the spill end date.</li> </ul>	<p>(Section 3.1 of Attachment E1)</p>

Table E2-2

## Spill Category 2: Spills of 1,000 Gallons or Greater That Do Not Discharge to Surface Waters

Spill Requirements	Due	Method
Notification	<p><b>Within two (2) hours</b> of the Enrollee's knowledge of a Category 2 spill of 1,000 gallons or greater, discharging or threatening to discharge to waters of the State:</p> <p>Notify California Office of Emergency Services and obtain a notification control number.</p>	California Office of Emergency Services at: (800) 852-7550 (Section 1 of Attachment E1)
Monitoring	Conduct spill-specific monitoring.	(Section 2 of Attachment E1)
Reporting	<ul style="list-style-type: none"> <li>Submit Draft Spill Report <b>within three (3) business days</b> of the Enrollee's knowledge of the spill;</li> <li>Submit Certified Spill Report <b>within 15 calendar days</b> of the spill end date; and</li> <li>Submit Amended Spill Report <b>within 90 calendar days</b> after the spill end date.</li> </ul>	(Section 3.2 of Attachment E1)

**Table E2-3****Spill Category 3: Spills of Equal or Greater than 50 Gallons and Less than 1,000 Gallons That Does Not Discharge to Surface Waters**

Spill Requirements	Due	Method
Notification	Not Applicable	Not Applicable
Monitoring	Conduct spill-specific monitoring.	(Section 2 of Attachment E1)
Reporting	<ul style="list-style-type: none"> <li>Submit monthly Certified Spill Report to the online CIWQS Sanitary Sewer System Database within <b>30 calendars days</b> after the end of the month in which the spills occur; and</li> <li>Submit Amended Spill Reports <b>within 90 calendar days</b> after the Certified Spill Report due date.</li> </ul>	(Section 3.3 and 3.5 of Attachment E1)

**Table E2-4****Spill Category 4: Spills Less Than 50 Gallons That Do Not Discharge to Surface Waters**

Spill Requirements	Due	Method
Notification	Not Applicable	Not Applicable
Monitoring	Conduct spill-specific monitoring.	(Section 2 of Attachment E1)
Reporting	<ul style="list-style-type: none"> <li>If, during any calendar month, Category 4 spills occur, certify monthly, the estimated total spill volume exiting the sanitary sewer system, and the total number of all Category 4 spills into the online CIWQS Sanitary Sewer System Database, within 30 days after the end of the calendar month in which the spills occurred.</li> <li>Upload and certify a report, in an acceptable digital format, of all Category 4 spills to the online CIWQS Sanitary Sewer System Database, by February 1<sup>st</sup> after the end of the calendar year in which the spills occur.</li> </ul>	(Section 3.4, 3.6, 3.7 and 4.4 of Attachment E1)

**Table E2-5**  
**Enrollee Owned and/or Operated Lateral Spills That Do Not Discharge to Surface Waters**

<b>Spill Requirements</b>	<b>Due</b>	<b>Method</b>
Notification	<p><b>Within two (2) hours</b> of the Enrollee's knowledge of a spill of 1,000 gallons or greater, from an enrollee-owned and/or operated lateral, discharging or threatening to discharge to waters of the State:</p> <p>Notify California Office of Emergency Services and obtain a notification control number.</p> <p>Not applicable to a spill of less than 1,000 gallons.</p>	<p>California Office of Emergency Services at: (800) 852-7550</p> <p>(Section 1 of Attachment E1)</p>
Monitoring	Conduct visual monitoring.	(Section 2 of Attachment E1)
Reporting	<ul style="list-style-type: none"> <li>• Upload and certify a report, in an acceptable digital format, of all lateral spills (that do not discharge to a surface water) to the online CIWQS Sanitary Sewer System Database, by February 1<sup>st</sup> after the end of the calendar year in which the spills occur.</li> <li>• Report a lateral spill of any volume that discharges to a surface water as a Category 1 spill.</li> </ul>	(Sections 3.6, 3.7 and 4.4 of Attachment E1)

**ATTACHMENT F – REGIONAL WATER QUALITY CONTROL BOARD CONTACT INFORMATION**

This Attachment provides a map, list of counties, and contact information to assist the Enrollee in identifying the corresponding Regional Water Quality Control Board office, for all Regional Water Board notification requirements in this General Order.



**Region 1 -- North Coast Regional Water Quality Control Board:**

Del Norte, Glenn, Humboldt, Lake, Marin, Mendocino, Modoc, Siskiyou, Sonoma, and Trinity counties.

[RB1SpillReporting@waterboards.ca.gov](mailto:RB1SpillReporting@waterboards.ca.gov) or (707) 576-2220

**Region 2 -- San Francisco Bay Regional Water Quality Control Board:**

Alameda, Contra Costa, San Francisco, Santa Clara (Northern most part of Morgan Hill), San Mateo, Marin, Sonoma, Napa, Solano counties.

[RB2SpillReports@waterboards.ca.gov](mailto:RB2SpillReports@waterboards.ca.gov) or (510) 622-2369

**Region 3 -- Central Coast Regional Water Quality Control Board:**

Santa Clara (most of Morgan Hill), San Mateo (Southern portion), Santa Cruz, San Benito, Monterey, Kern (small portions), San Luis Obispo, Santa Barbara, Ventura (Northern portion) counties.

[CentralCoast@waterboards.ca.gov](mailto:CentralCoast@waterboards.ca.gov) or (805) 549-3147

**Region 4 -- Los Angeles Regional Water Quality Control Board:**

Los Angeles, Ventura counties (small portions of Kern and Santa Barbara counties).

[rb4-ssswdr@waterboards.ca.gov](mailto:rb4-ssswdr@waterboards.ca.gov) or (213) 576-6600

## STATEWIDE SANITARY SEWER SYSTEMS GENERAL ORDER 2022-0103-DWQ

### **Region 5 -- Central Valley Regional Water Quality Control Board:**

**Rancho Cordova (Sacramento) Office:** Colusa, Lake, Sutter, Yuba, Sierra, Nevada, Placer, Yolo, Napa, (North East), Solano (West), Sacramento, El Dorado, Amador, Calaveras, San Joaquin, Contra Costa (East), Stanislaus, Tuolumne counties.

RB5sSpillReporting@waterboards.ca.gov or (916) 464-3291

**Fresno Office:** Fresno, Kern, Kings, Madera, Mariposa, Merced, and Tulare counties, and small portions of San Benito and San Luis Obispo counties.

RB5fSpillReporting@waterboards.ca.gov or (559) 445-5116

**Redding Office:** Butte, Glenn, Lassen, Modoc, Plumas, Shasta, Siskiyou, and Tehama counties.

RB5rSpillReporting@waterboards.ca.gov or (530) 224-4845

### **Region 6 -- Lahontan Regional Water Quality Control Board:**

**Lake Tahoe Office:** Alpine, Modoc (East), Lassen (East side and Eagle Lake), Sierra, Nevada, Placer, El Dorado counties.

RB6sSpillReporting@waterboards.ca.gov or (530) 542-5400

**Victorville Office:** Mono, Inyo, Kern (East), San Bernardino, Los Angeles (North East corner) counties.

RB6vSpillReporting@waterboards.ca.gov or (760) 241-6583

### **Region 7 -- Colorado River Basin Regional Water Quality Control Board:**

Imperial county and portions of San Bernardino, Riverside, San Diego counties.

RB7SpillReporting@waterboards.ca.gov or (760) 346-7491

### **Region 8 -- Santa Ana Regional Water Quality Control Board:**

Orange, Riverside, San Bernardino counties.

RB8SpillReporting@waterboards.ca.gov or (951) 782-4130

### **Region 9 -- San Diego Regional Water Quality Control Board:**

San Diego county and portions of Orange and Riverside counties.

RB9Spill\_Report@waterboards.ca.gov or (619) 516-1990

**End of Order 2022-0103-DWQ**

**APPENDIX B**

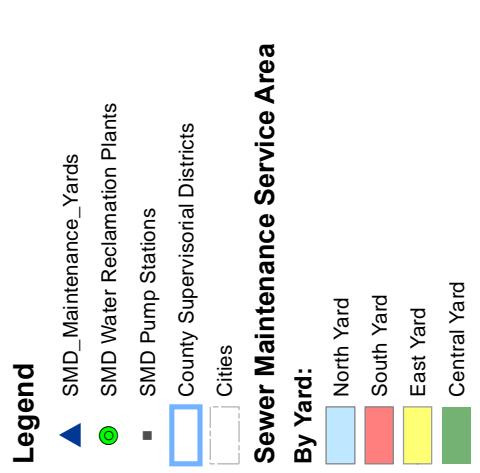
**LOCATION MAP FOR**

**SEWER MAINTENANCE YARDS AND**

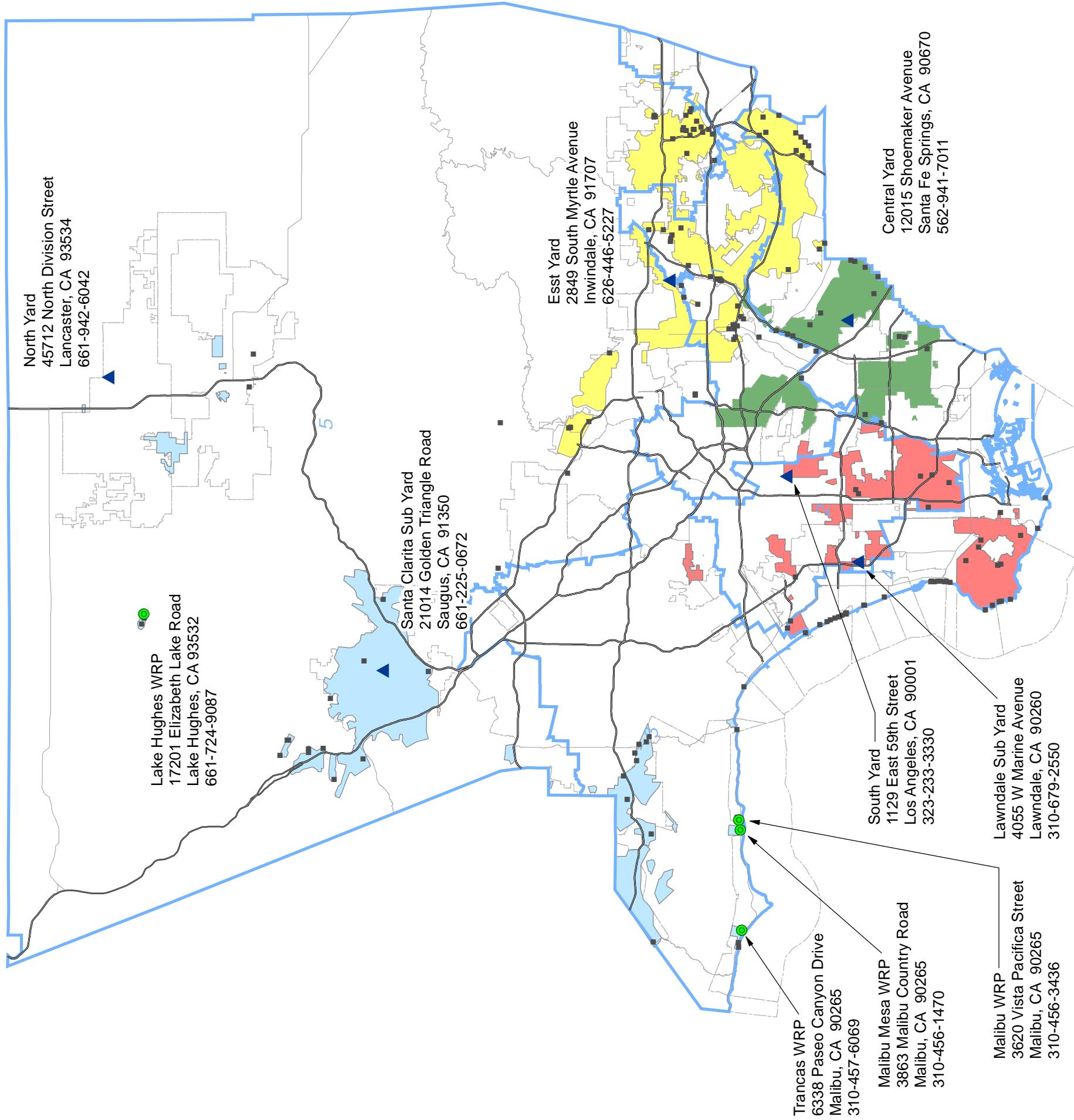
**PUMP STATIONS**

# County of Los Angeles Department of Public Works Sewer Maintenance Districts

## Sewer Maintenance Facilities



0 1.753.5 7 10.5 14  
Miles



**APPENDIX C**

**INVENTORY OF SEWER MAINTENANCE  
DISTRICTS EQUIPMENT**

County of Los Angeles  
 Department of Public Works  
 DPW eCAPS Reporting System (DeRS)  
 ASSETS BY

DIVISION: 49400 Sewer Maintenance Division - Administration  
 CUSTODIAN: PWJVIVES  
 CUSTODIAN NAME: Jim Vives

TAG NUMBER	FA NUMBER	ASSET DESC	MANUFACTURER	MODEL NUMBER	SR NUMBER	LOC CD	LOC DESC	SLOC	FA TYPE	CUSTODIAN NAME	END USER	ACQ DATE	NET BOOK VALUE
03-315	E0024039	AUTO 4 DR SEDAN COMPACT 2012/TOYOTA PRIUS HYBRID	TOYOTA	PRIUS HYBRID	JTDKN3DU5C1508472	I603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	E	Jim Vives	BRADFORD, PAUL	03/13/2012	9,402.92
03-320	E0025809	AUTO 4 DR SEDAN COMPACT 2012/TOYOTA PRIUS HYBRID	TOYOTA	PRIUS	JTDKN3DU9C1511780	S400	Sta Fe Springs - 12015 Shoemaker 90670 (SM Ctr Yd)	9421	E	Jim Vives	N/A	09/12/2012	11,330.62
06-267	1063303	TRUCK CHEV/06 C-1500 REG CAB PICKUP	CHEVROLET	1500	1GCEC14V76Z130211	I603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	E	Jim Vives	N/A	01/01/2006	0.00
06-396	E0026153	TRUCK 2012/FORD F-150 EXT CAB PICK UP 4X2	FORD	F-150	1FTEX1CM9CFB87178	I603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	E	Jim Vives	N/A	10/17/2012	9,841.91
08-030	E0029234	TRUCK 2014/FORD F-250 REG CAB 4X2 PICKUP	FORD	F250	1FTBF2A67EEA16602	I603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	E	Jim Vives	N/A	11/13/2013	16,221.61
08-947	1058995F	TRUCK CHEV/03 PU 2500 2 WHL DRIVE	CHEVROLET	2500	1GCHC24U33E177541	I603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	E	Jim Vives	BRADFORD, PAUL	12/01/2002	0.00
09-388	E0019896	TRUCK 2011/FORD F-350 REG CAB 4X2 W/40" SERVICE BODY	FORD	F-350	1FDBF3A6XBEA30961	I603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	E	Jim Vives	N/A	10/04/2010	6,753.45
09-389	E0019897	TRUCK 2011/FORD F-350 REG CAB 4X2 W/40" SERVICE BODY	FORD	F-350	1FDBF3A61BEA30962	I603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	E	Jim Vives	N/A	10/04/2010	6,753.45
126-007	E0016987	TRUCK2008/CHEV C7500 HYDRO JETTERW/FOAMER (ORI.TAG #21-289)	GMC	CHEV C7500	1GBP7C1A48F407044	I603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	E	Jim Vives	N/A	04/26/2010	73,081.30
126C-002	E0025805	TRUCK2012/FREIGHTLINER M2112 REG CAB CNG (ORI.TAG #21C-008)	FREIGHTLINER	BUSINESS CLASS M2	1FVAC5DX8CHBS0285	I603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	E	Jim Vives	N/A	07/12/2012	234,061.94
128-001	E0007550	TRUCK FORD/06 F350 REG CAB SWR/UTILITY BDY(ORI.TAG#13-414)	FORD	F350 XL SUPER DUTY	1FDWF36Y46EC86403	I603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	E	Jim Vives	N/A	04/01/2008	4,832.31
128-011	E0002936	TRUCK CHEV/06 RODDER CONVENTIONAL CAB(ORI.TAG#21-265)	CHEV	C5500	1GBG5C1G46F404717	I603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	E	Jim Vives	N/A	08/01/2006	11,721.73
128-017	E0029635	TRUCK 2013/FORD F-650 W/MODEL 877 RODDER(ORI.TAG#21-316)	FORD	F650	3FRNF6HP3DV023765	I603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	E	Jim Vives	N/A	02/05/2014	151,199.77
128-020	E0041914	TRUCK RODDER 2016/FORD F650 REG CAB				I603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	E	Jim Vives	N/A	10/11/2016	-14,156.77

County of Los Angeles  
 Department of Public Works  
 DPW eCAPS Reporting System (DeRS)  
 ASSETS BY

DIVISION: 49400 Sewer Maintenance Division - Administration  
 CUSTODIAN: PWJVIVES  
 CUSTODIAN NAME: Jim Vives

TAG NUMBER	FA NUMBER	ASSET DESC	MANUFACTURER	MODEL NUMBER	SR NUMBER	LOC CD	LOC DESC	SLOC	FA TYPE	CUSTODIAN NAME	END USER	ACQ DATE	NET BOOK VALUE
129-002	E0008905	TRUCK FORD/08 F-350 SEWER INSPECTION (ORI.TAG# 3-423)	FORD	F-350	1FDWF36Y08EC06985	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	E	Jim Vives	N/A	06/01/2008	6,055.55
129-003	E0008906	TRUCK FORD/08 F-350 SEWER INSPECTION (ORI.TAG# 3-424)	FORD	F-350	1FDWF36Y68EC06988	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	E	Jim Vives	N/A	06/01/2008	6,055.55
129-004	E0008907	TRUCK FORD/08 F-350 SEWER INSPECTION (ORI.TAG# 3-425)	FORD	F-350	1FDWF36Y28EC06986	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	E	Jim Vives	N/A	06/01/2008	6,055.55
13-309	1058791BX	TRUCK FORD/2001 STAKEBED W/LIFTGATE	FORD	F-450	1FDXT46S21ED79855	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	E	Jim Vives	BRADFORD, PAUL	10/01/2001	0.00
13-397	E0005085	TRUCK GMC/07 C5500 UTIL/DMP W/A-BOARD	GMC	C5500	1GDE5C1G87F416739	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	E	Jim Vives		08/01/2007	5,150.47
13-443	E0012131	TRUCK FORD/06, MASONRY W/1564227 & 2 ATTACHMENTS	FORD	F-550	1FDAF56Y16EC61299	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	E	Jim Vives	N/A	02/26/2009	15,885.98
13-458	E0019903	TRUCK 2011/FORD F-550 XLT REG CAB FLATBED W/LIFTGATE	FORD	F-550	1FDUF5GY2BEA59674	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	E	Jim Vives	N/A	10/05/2010	16,369.89
13-499	E0032044	VAN STEP 2014/FORD E-450 SEWER TV CAMERA W/1564983,1564984..	FORD	E-450	1FDXE4FS1EDA11665	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	E	Jim Vives	N/A	04/16/2014	84,691.28
21C-010	E0027575	TRUCK 2012/INTL 7300 REG CAB CONSTRUCTION SERVICE BODY 4X2..	INTERNATIONAL	7300	1HTZZSDRXCJ451259	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	E	Jim Vives	N/A	04/10/2013	145,487.17
28-101	1059019	TRUCK INTL/03 VAC/JET SYS AQUTECH	INTERNATIONAL	7600 / B10	1HTWYATT63J062003	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	E	Jim Vives	BRADFORD, PAUL	03/01/2003	0.00
28C-002	E0025630	TRUCK 2012/FREIGHTLINER CNG VACTOR GAP VAX MC1109	FREIGHTLINER	BCM2	1FVHC7DX8CHBR9631	S400	Sta Fe Springs - 12015 Shoemaker 90670 (SM Ctr Yd)	9421	E	Jim Vives	N/A	07/30/2012	270,004.79
28C-005	E0028810	TRUCK 2013/FREIGHTLINER 114SD CNG GAP VAX MC1109	FREIGHTLINER	114SD	1FVHG3DX5DHF62395	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	E	Jim Vives	N/A	08/22/2013	335,160.85
28C-010	E0038729	TRUCK TRACTOR 2016/FREIGHTLINER CASCADIA 113C 113C REG CAB CNG	FREIGHTLINER	CASCADIA 113C	1FUJGBD98GLHP4585	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	E	Jim Vives		03/21/2016	189,738.08
41-151	E0022182	COMPRESSOR TRAILER MTD 2011/DOOSAN INGERSOLL RAND P185 WJD	DOOSAN INTERNATIONAL USA	P185WJD	4FVCABDA9BU422940	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	E	Jim Vives	N/A	06/09/2011	12,669.73
69-052	1050120	LOADER CASE 580SK			JJG0163740	1603	Irwindale - 2849 S. Myrtle	9424	E	Jim Vives	BRADFORD, PAUL	03/01/1993	0.00

County of Los Angeles  
 Department of Public Works  
 DPW eCAPS Reporting System (DeRS)  
 ASSETS BY

DIVISION: 49400 Sewer Maintenance Division - Administration

CUSTODIAN: PWJVIVES

CUSTODIAN NAME: Jim Vives

TAG NUMBER	FA NUMBER	ASSET DESC	MANUFACTURER	MODEL NUMBER	SR NUMBER	LOC CD	LOC DESC	SLOC	FA TYPE	CUSTODIAN NAME	END USER	ACQ DATE	NET BOOK VALUE
88-686	1033422BX	PUMP TRASH PEABODY 6"	PEABODY BARNES	6TCDD	78354G888318080	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	E	Jim Vives	BRADFORD, PAUL	11/01/1988	605.43
98-080	1050713	FORKLIFT HYSTER 4000 LB	HYSTER	H45XM	D177B011943P	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	E	Jim Vives	BRADFORD, PAUL	06/01/1993	0.00
DAB037 01	P0006573	ARROWBOARD BEMIS W/KOHLER	BEMIS		93028204	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	BRADFORD, PAUL	04/01/1993	3,572.25
DBW070 01	P0006575	BLOWER SUPER VAC P244C PORT	SUPER VA	P244C	914021	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	BRADFORD, PAUL	08/01/1991	2,197.58
DTU986 01	1054104	TRAILER 97 ZIEMAN / 5TH WHEEL	ZIEMAN	2715	1ZCE35A25VZP19490	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	E	Jim Vives	BRADFORD, PAUL	10/01/1997	0.00
DTW310 01	1056594	VAC PRESS TANK THOMPSON TANK	THOMPSON TANK	WTN-120-8000	1T9TAA382111405369	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	E	Jim Vives	BRADFORD, PAUL	03/01/2001	0.00
I378228 01	P0006833	JACK-HEIN/WERNER TON		M-X10-10		1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	BRADFORD, PAUL	05/01/1983	1,062.66
I430055 01	P0006993	CONC SAW-TARGET PACII 805			84926	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	BRADFORD, PAUL	01/01/1985	1,148.20
I465321 01	P0007159	CLEAN/WASH ALKOTA SM068	ALKOTA	4212T	150754	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	BRADFORD, PAUL	10/01/1991	3,301.63
I543872 01	P0007738	DYNA HOST TRIPOD SYS F/CONFINED SPACE	PACIFIC SAFETY E	H0204		1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	BRADFORD, PAUL	04/01/1992	2,085.84
I543874 01	P0007739	DYNA HOST TRIPOD SYS F/CONFINED SPACE	PACIFIC SAFETY E	H0223		1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	BRADFORD, PAUL	04/01/1992	2,085.84
I543875 01	P0007740	DYNA HOST TRIPOD SYS F/CONFINED SPACE	PACIFIC SAFETY E	H0206		1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	BRADFORD, PAUL	04/01/1992	2,085.84
I543876 01	P0007741	SELF RETRACTABLE LIFELINE			911652	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	BRADFORD, PAUL	04/01/1992	2,085.84
I543877 01	P0007742	SELF RETRACTABLE LIFELINE			911654	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	BRADFORD, PAUL	04/01/1992	2,085.84
I543878 01	P0007743	SELF RETRACTABLE LIFELINE			911622	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	WEATHERSBEE, RA	04/01/1992	2,085.84
I547621 01	P0007794	SELF RETRACTABLE LIFELINE			911627	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	BRADFORD, PAUL	04/01/1992	2,085.83

County of Los Angeles  
 Department of Public Works  
 DPW eCAPS Reporting System (DeRS)  
 ASSETS BY

DIVISION: 49400 Sewer Maintenance Division - Administration  
 CUSTODIAN: PWJVIVES  
 CUSTODIAN NAME: Jim Vives

TAG NUMBER	FA NUMBER	ASSET DESC	MANUFACTURER	MODEL NUMBER	SR NUMBER	LOC CD	LOC DESC	SLOC	FA TYPE	CUSTODIAN NAME	END USER	ACQ DATE	NET BOOK VALUE
1547673 01	P0007813	DUSTER ROACH KOHLER	KOHLER		2200905703	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	BRADFORD, PAUL	05/01/1992	3,891.59
1557901 01	P0007836	RETRACTABLE LIFELINE			921964 / V21964M	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	BRADFORD, PAUL	11/01/1992	1,617.75
1562246 01	1051143	SHORING BOX TRENCH & PANELS	STRUTS			1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	E	Jim Vives	BRADFORD, PAUL	01/01/1994	0.00
1562330 01	P0007911	WINCH ASSEMBLY REMOTE POWER WIN		W/1000	2221	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	BRADFORD, PAUL	02/01/1994	4,735.94
1562489 01	P0007942	WINCH ASSEMBLY CUES	CUES		2284	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	BRADFORD, PAUL	01/01/1995	4,800.44
1562492 01	1051549B	CAMERA CVR 460 CUES	CUES	CVR 460	4677	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	E	Jim Vives	BRADFORD, PAUL	01/01/1995	0.00
1563219 01	1054193B	CUTTER ROOT LUMBERJACK	LUMBERJACK			1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	E	Jim Vives	BRADFORD, PAUL	03/01/1999	915.56
1563453 01	1058921A	CAMERA TV CUES PAN&TILT W/ 13-236	CUES	NITEOWL PAN&TILT	1053001500402	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	E	Jim Vives	BRADFORD, PAUL	06/01/2002	0.00
1563455 01	1058921B	CAMERA TRANSPORTER CUES	CUES	MC400 REV0	4524	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	E	Jim Vives	BRADFORD, PAUL	06/01/2002	0.00
1563560 01	1059107	MILLING CUTTER LAIMER UNICON BUEHLER	LAIMER UNICON	TYPE V	FL9497	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	E	Jim Vives	BRADFORD, PAUL	05/01/2003	534.64
1564096 01	E0008114	TRUCK REEL SYSTEM BADGER	ARIES	EN2000	07092508	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	E	Jim Vives	N/A	03/01/2008	1,764.76
1564097 01	E0008115	PTZ CAMERA SYSTEM W/13-411 W/13-411	ARIES	PE2710	07082801	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	E	Jim Vives	N/A	03/01/2008	0.00
1564098 01	E0008116	TRACTOR BADGER W/13-411	ARIES	BADGER	07092401	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	E	Jim Vives	N/A	03/01/2008	0.00
1564099 01	E0008117	REEL SYSTEM PATHFINDER	ARIES	PR3300	07100105	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	E	Jim Vives	N/A	03/01/2008	1,740.09
1564100 01	E0008118	GENERATOR ONAN 7.0KW FUEL INJECTED W/13-411	ONAN	7HGJAD-2141C	J070115380	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	E	Jim Vives	N/A	03/01/2008	8,805.39
1564121 01	E0008119	PATHFINDER ZOOM CAMERA SYSTEM W/13-411	ARIES	PE3300	07100801	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	E	Jim Vives	N/A	03/01/2008	0.00
1564122 01	E0008120	PATHFINDER TRACTOR SYSTEM	ARIES	TR3300	07092402	1603	Irwindale - 2849 S. Myrtle	9424	E	Jim Vives	N/A	03/01/2008	0.00

County of Los Angeles  
 Department of Public Works  
 DPW eCAPS Reporting System (DeRS)  
 ASSETS BY

DIVISION: 49400 Sewer Maintenance Division - Administration  
 CUSTODIAN: PWJVIVES  
 CUSTODIAN NAME: Jim Vives

TAG NUMBER	FA NUMBER	ASSET DESC	MANUFACTURER	MODEL NUMBER	SR NUMBER	LOC CD	LOC DESC	SLOC	FA TYPE	CUSTODIAN NAME	END USER	ACQ DATE	NET BOOK VALUE
1564123 01	E0008121	REMOTE LIFT ASSY. TR3200 W/13-411	ARIES	TR3200			Ave 91701 (SM East Yard)					03/01/2008	0.00
1564227 01	E0012132	HOIST TIGER 3215E TRUCK MTD SERVICE TRUCKS INT'L W/13-443		TIGER 3215E	108715E		Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	1603	E	Jim Vives	N/A		
1564978 01	E0030249	CAMERA CUES ASSY M/C OZ3 SND LED LSR W/13-499	CUES	MZ300-2D	13110101		Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	1603	E	Jim Vives	N/A	02/26/2009	5,552.90
1564979 01	E0030250	CAMERA CUES ASSY M/C OZ3 SND LED LSR W/13-499	CUES	MZ300-2D	13110104		Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	1603	E	Jim Vives	W/13-499	04/16/2014	19,373.60
1564980 01	E0030251	TRANSPORTER CUES BRASS CPR WM350 W/13-499	CUES	WM350	14021201		Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	1603	E	Jim Vives	W/13-499	04/16/2014	11,821.90
1564981 01	E0030252	TRANSPORTER CUES WTR WHEELED TX361 W/13-499	CUES	TX361	13111803		Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	1603	E	Jim Vives	W/13-499	04/16/2014	8,237.23
1564982 01	E0030253	LIFT ASSY POWER CPR CUES WM330 W/13-499	CUES	WM330	14013004		Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	1603	E	Jim Vives	13-499	04/16/2014	4,632.96
1564983 01	E0030245	COMPUTER CUES PCU ASSY K2 SUMMIT TRK MTD W/13-499	CUES	PCU	14010806		Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	1603	E	Jim Vives	EAST YARD SEWER	04/16/2014	5,689.11
1564984 01	E0030246	COMPUTER CUES CCU TRK MTD LX800 K2 SUMMIT W/13-499	CUES	CCU	13121903		Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	1603	E	Jim Vives	EAST YARD SEWER	04/16/2014	5,441.77
1564985 01	E0030247	COMPUTER CUES WINDOWS 7 GXP TRK MTD W/13-499	CUES	GXP	WS502234		Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	1603	E	Jim Vives	W/13-499	04/16/2014	13,584.78
1564986 01	E0030248	GENERATOR CUMMINS ONAN M#7HGJAD-21391 W/13-499	ONAN	7HGJAD-2139J	1130568938		Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	1603	E	Jim Vives	W/13-499	04/16/2014	5,899.56
1563311 01	E0005630	CAMERA INSPECTION SYSTEM SEWER PORTABLE		PELICAN/RIGID	1520	208-07588	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	1603	E	Jim Vives		08/01/2007	0.00
PW15351	P0009671	BREATHG APPARATUS SCOTT SCBA S		TC13F401	99100110		Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	1603	P	Jim Vives	BRADFORD, PAUL	03/01/1999	1,145.73
PW15352	P0009672	BREATHG APPARATUS SCOTT SCBA S		TC13F401	99100111		Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	1603	P	Jim Vives	BRADFORD, PAUL	03/01/1999	1,145.73
PW15353	P0009673	BREATHG APPARATUS SCOTT SCBA S		TC13F401	99100112		Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	1603	P	Jim Vives	BRADFORD, PAUL	03/01/1999	1,145.73
PW20812	P0013302	GENERATOR ONAN 93 PRO 6000E / GP726	ONAN	PRO 6000E	1310044		Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	1603	P	Jim Vives	BRADFORD, PAUL	05/01/2002	1.00

County of Los Angeles  
 Department of Public Works  
 DPW eCAPS Reporting System (DeRS)  
 ASSETS BY

DIVISION: 49400 Sewer Maintenance Division - Administration  
 CUSTODIAN: PWJVIVES  
 CUSTODIAN NAME: Jim Vives

TAG NUMBER	FA NUMBER	ASSET DESC	MANUFACTURER	MODEL NUMBER	SR NUMBER	LOC CD	LOC DESC	SLOC	FA TYPE	CUSTODIAN NAME	END USER	ACQ DATE	NET BOOK VALUE
PW26171	P0018053	MONITOR 19" SAMSUNG 910MP FLAT PANEL	SAMSUNG	910MP	MZ19HC HY700852N	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	BRADFORD, PAUL	08/01/2005	405.13
PW29149	P0028756	MONITOR DELL 1907FP ULTRASHARP	DELL	1907FP ULTRASHARP	CNOFP18271618738GCF5	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	N/A	05/01/2007	242.83
PW29288	P0028937	CAMERA DIGITAL CASIO EXZ700 EXZLIM 7MP	CASIO	EXZ700 EXZLIM 7MP	80013821AD	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	BRADFORD PAUL	06/01/2007	319.34
PW29545	P0029217	CAMERA CASIO DIGITAL EXZL050 EXZLIM	CASIO	EXZ1050 EXZLIM DIGITL	30002887AV	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	BRADFORD, PAUL	08/01/2007	319.36
PW29760	P0029693	FLOW METER HACH SIGMA 910 PORT	HACH CO	SIGMA 910 PORT	070800061193	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	N/A	09/01/2007	4,113.83
PW29928	P0029588	MONITOR DELL ULTRASHARP 1908FP	DELL	ULTRASHARP 1908FP	CN0DY8404663375M3RFU	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	BRADFORD, PAUL	09/01/2007	268.86
PW30886	P0030964	CONTROLLER CAMERA PTZ IN TAG# 13-411	ARIES	RC2005	7102203	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	N/A	03/01/2008	1,191.83
PW30887	P0030965	PRINTER HP DESKJET 5650 IN TAG# 13-411	HP	5650	MY73F140XP	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	N/A	03/01/2008	300.00
PW30888	P0030966	RECODER SONY DVD RACK MTD IN TAG#13-411	SONY	RDR-VX555	6070072	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	N/A	03/01/2008	1,357.46
PW30889	P0030967	AOPEN MINI PC MP915-X IN TAG# 13-411	AOPEN	MP915-X	64400139JED1	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	N/A	03/01/2008	3,724.63
PW30891	P0030977	PATHFINDER ZOOM CONTROLLER IN TAG#13-411	ARIES	PR3300	70782905	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	N/A	03/01/2008	1,191.83
PW31017	P0030969	MONITOR LCD TRIVIEW 15" IN TAG# 13-411	TRIVIEW	TLM-1503		1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	N/A	03/01/2008	455.51
PW31018	P0030970	MONITOR LCD TRIVIEW 15" IN TAG# 13-411	TRIVIEW	TLM-1503	10713315002	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	N/A	03/01/2008	455.51
PW31019	P0030971	MONITOR LCD TRIVIEW 15" IN TAG# 13-411	TRIVIEW	TLM-1503	M7T2CM4G070400062M	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	N/A	03/01/2008	455.51
PW31023	P0030972	CONTROLLER 3 SPEED TR3200 IN TAG# 13-411	ARIES	846661	910607	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	N/A	03/01/2008	512.78
PW31024	P0030973	CONTROLLER FOR TR3300 IN TAG# 13-411	ARIES	846662	751007	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	N/A	03/01/2008	829.10
PW31025	P0030974	PCU ASSY 12P HV RACK MTD IN	ARIES			1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	N/A	03/01/2008	4,624.09

County of Los Angeles  
 Department of Public Works  
 DPW eCAPS Reporting System (DeRS)  
 ASSETS BY

DIVISION: 49400 Sewer Maintenance Division - Administration  
 CUSTODIAN: PWJVIVES  
 CUSTODIAN NAME: Jim Vives

TAG NUMBER	FA NUMBER	ASSET DESC	MANUFACTURER	MODEL NUMBER	SR NUMBER	LOC CD	LOC DESC	SLOC	FA TYPE	CUSTODIAN NAME	END USER	ACQ DATE	NET BOOK VALUE
PW31027	P0030975	TAG# 13-411 CONTROL TRACK M/C TR3200 IN	ARIES				Ave 91701 (SM East Yard)						
PW31028	P0030976	ARIES COMPUTER RACK MTD IN	ARIES				1603 Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	03/01/2008	2,310.02	
PW31908	P0033082	GENERATOR POWER MAX	POWER MAX	XP10000E			1603 Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	03/01/2008	3,375.24	
PW31909	P0033081	MIXER CEMENT MULTIQUEUP	MULTIQUEUP INC	MC-64	B2751042		1603 Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	02/26/2009	1,623.75	
PW32770	P0032501	HP L2445W LCD DISPLAY	HP	L2445W LCD DISPLAY	3CQ9190W3W		1603 Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	09/29/2009	2,814.50	
PW33927	P0034067	MONITOR HP LA2205WG	HP	LA2205WG	3CQ0262WKM		1603 Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	08/31/2010	192.06	
PW34469	P0034434	MONITOR HP LP2405WG	HP	LP2405WG	CN40390J9V		1603 Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	11/09/2010	271.08	
PW36399	P0037728	HP LA2306X MONITOR	HP	LA2306X	3CQ2190H9D		1603 Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	06/20/2012	179.00	
PW36469	P0037788	HP COMPAQ 6200 PRO MT COMPUTER	HP	COMPAQ 6200 PRO MT	MX12242PFR		1603 Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	06/27/2012	659.31	
PW37922	P0040589	HP LA2306X MONITOR	HP	LA2306X	3CQ3140F96		1603 Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	08/26/2013	204.04	
PW38092	P0040744	HP ELITE 6300 PRO COMPUTER	HP	ELITE 6300 PRO	MXL3320943		1603 Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	08/20/2013	808.78	
PW38419	P0041258	HP ELITE 6300 PRO COMPUTER	HP	ELITE 6300 PRO	MXL3341SQ1		1603 Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	10/21/2013	577.01	
PW38466	P0041305	HP ELITE 6300 PRO COMPUTER	HP	ELITE 6300 PRO	MXL3341SNX		1603 Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	10/21/2013	577.01	
PW38965	P0041931	PROTOTEK LF 2000 DIGITAL LOCATOR W/13-499	PROTOTEK	LF2000	122368		1603 Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	04/16/2014	1,956.55	
PW38966	P0041932	TOSHIBA DVD VIDEO RECORDER	TOSHIBA	DR430	D31C1983KU6301		1603 Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	04/16/2014	661.63	
PW38967	P0041933	VIEWSONIC VT2405 LED-2M MONITOR W/13-499	VIEWSONIC	VT2405 LED	T8B132200895		1603 Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	04/16/2014	715.03	

County of Los Angeles  
 Department of Public Works  
 DPW eCAPS Reporting System (DeRS)  
 ASSETS BY

DIVISION: 49400 Sewer Maintenance Division - Administration  
 CUSTODIAN: PWJVIVES  
 CUSTODIAN NAME: Jim Vives

TAG NUMBER	FA NUMBER	ASSET DESC	MANUFACTURER	MODEL NUMBER	SR NUMBER	LOC CD	LOC DESC	SLOC	FA TYPE	CUSTODIAN NAME	END USER	ACQ DATE	NET BOOK VALUE
PW38968	P0041934	VIEWSONIC VT2405 LED-2M MONITOR W/13-499	VIEWSONIC	VT2405 LED	T8B132201119	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	W/13-499	04/16/2014	715.03
PW38969	P0041935	VIEWSONIC VT2405 LED-2M MONITOR W/13-499	VIEWSONIC	VT2405 LED	T8B132201135	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	W/13-499	04/16/2014	715.03
PW39170	P0041936	REAR VIEW FOR CPR WITH POWER LIFT CAMERA W/13-499	CUES	WM345	13111503	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	VIVES, JIM	04/16/2014	3,815.00
PW41255	P0039885	HONDA EB3000 GENERATOR W/21C-010	HONDA	EB3000	GCBUT-1009137	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	N/A	04/10/2013	1,977.26
PW46356	P0048628	HP OFFICEJET PRO 6978 - DESKTOP ALL-IN-ONE	HP	6978	TH6CA531WR	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	COMMUNITY	04/24/2017	
PW7476	P0021385	CABLETRON SEH-24		SEH-24	0765522003	1603	Irwindale - 2849 S. Myrtle Ave 91701 (SM East Yard)	9424	P	Jim Vives	BRADFORD, PAUL	06/01/1995	2,200.00
TOTAL FOR CUSTODIAN: PWJVIVES												1,820,109.68	

## **APPENDIX D**

## **INVENTORY OF COLLECTION FACILITIES**

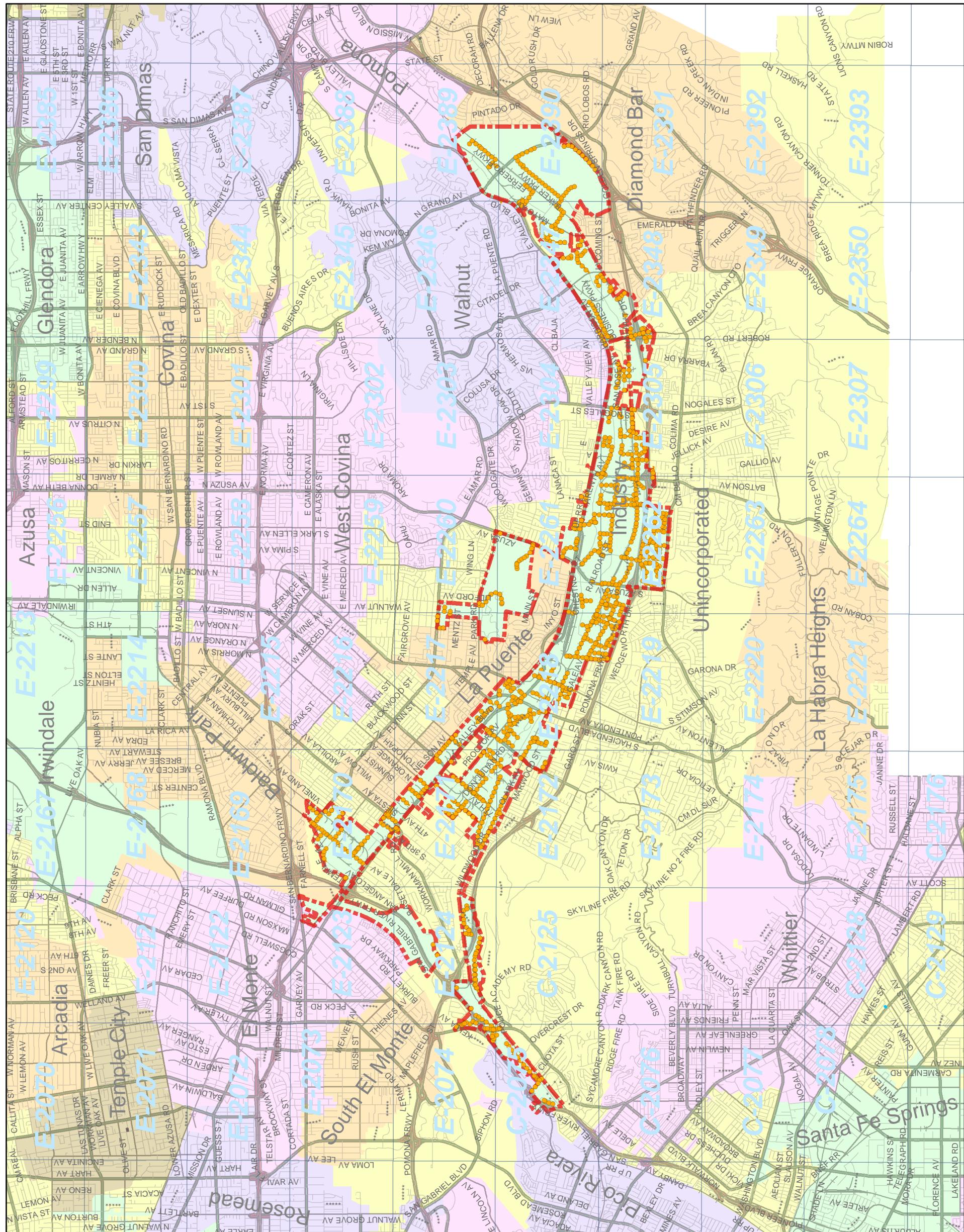
# Sewer Facilities in the City of Industry



5,000  
0  
Feet

## Legend

- SMD Manholes
- Non SMD Manholes
- Trunk Sewer MHs
- Gravity Sewers
- Siphons
- Non SMD Sanitary Sewers
- Trunk Main Lines
- SMD Operations Maps



As of Date: 8/13/2019  
Doc. Path: C:\Y\ZhuSewer Facility\SewerFacilities\ND.mxd

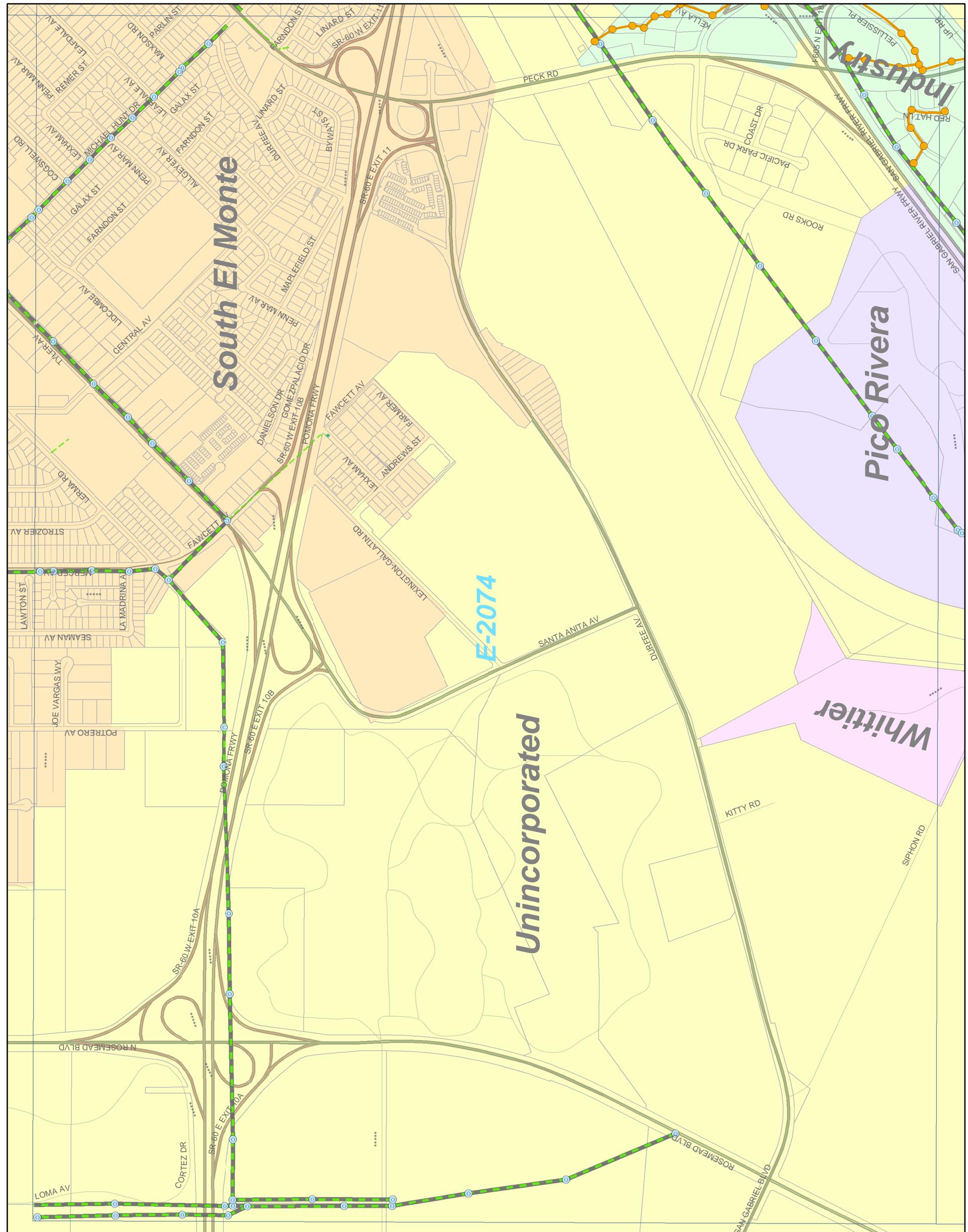
# Sewer Facilities in the City of Industry SMD E-2074



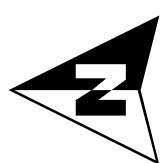
0 1,000 2,000  
Feet

## Legend

- SMD Manholes
- Non SMD Manholes
- Trunk Sewer MHs
- Gravity Sewers
- Force Mains
- Siphons
- Non SMD Sanitary Sewers
- Trunk Main Lines
- SMD Operations Maps



# Sewer Facilities in the City of Industry SMD C-2075

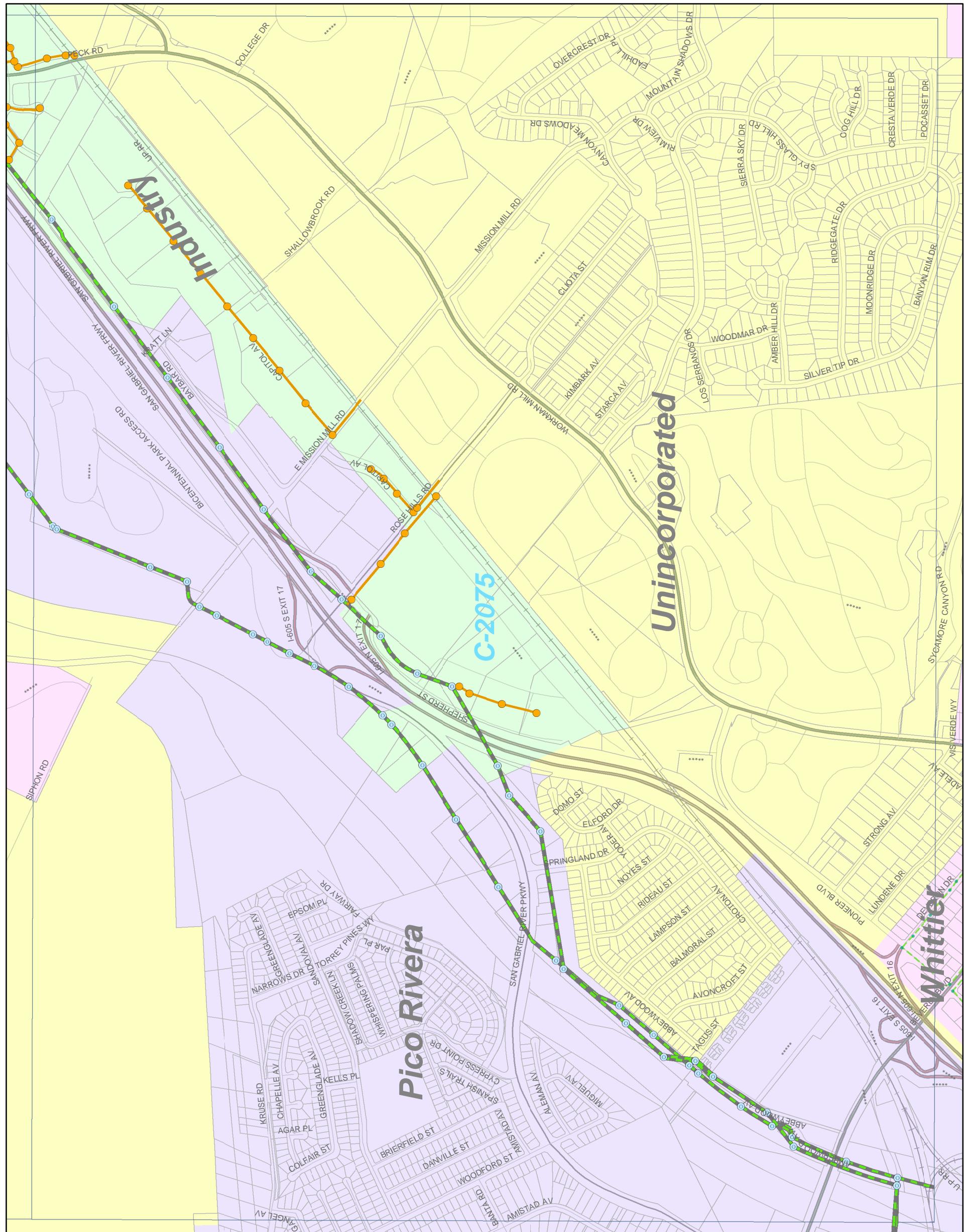


0 1,000 2,000  
Feet

## Legend

- SMD Manholes
- Non SMD Manholes
- Trunk Sewer MHs
- Gravity Sewers
- Force Mains
- Siphons
- Non SMD Sanitary Sewers
- Trunk Main Lines
- SMD Operations Maps

As of Date: 8/13/2019



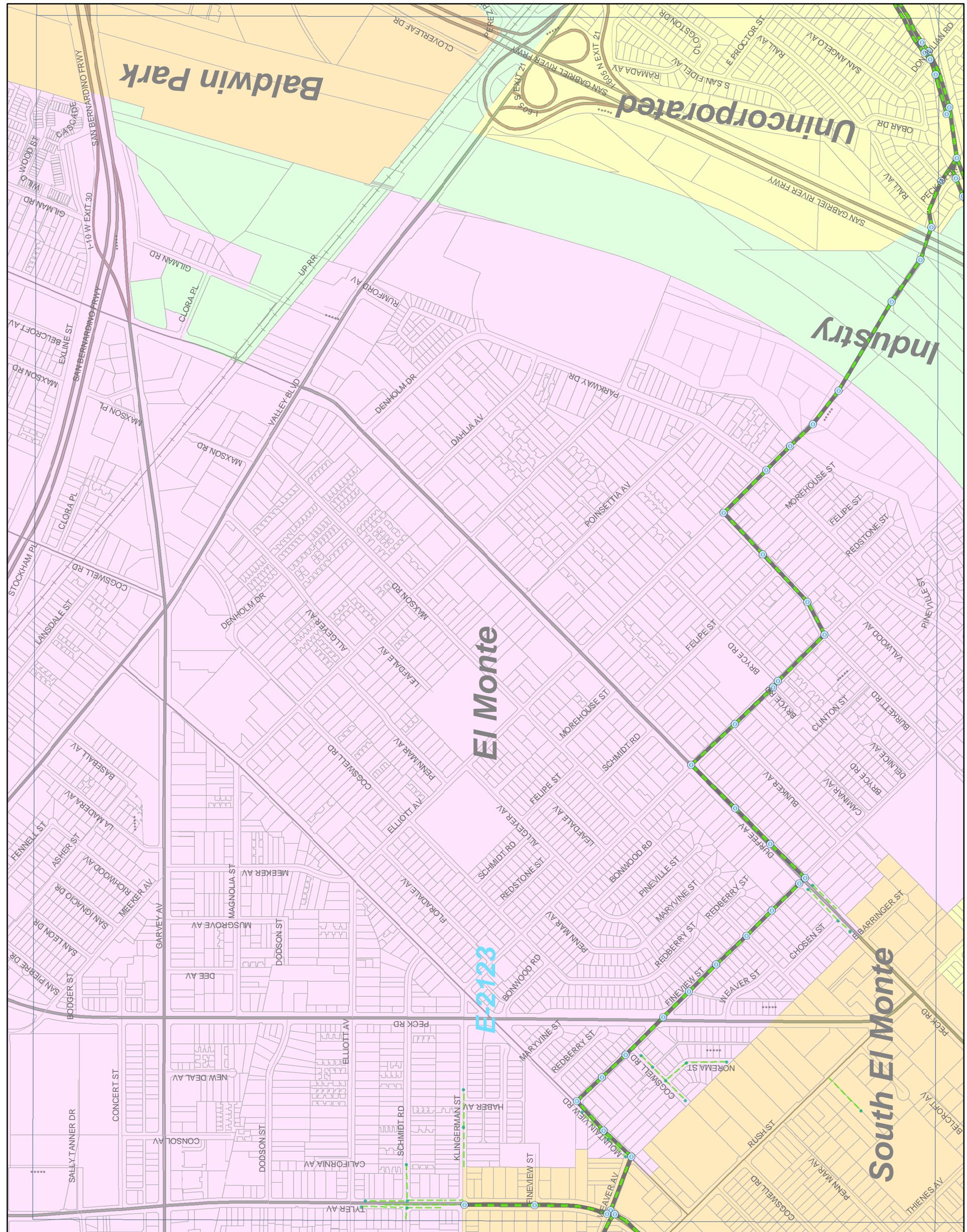
**Sewer Facilities  
in the City of Industry  
SMD E-2123**



0 1,000 2,000  
Feet

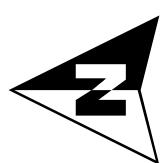
**Legend**

- SMD Manholes
- Non SMD Manholes
- Trunk Sewer MHs
- Gravity Sewers
- Force Mains
- Siphons
- Non SMD Sanitary Sewers
- Trunk Main Lines
- SMD Operations Maps



As of Date: 8/13/2019

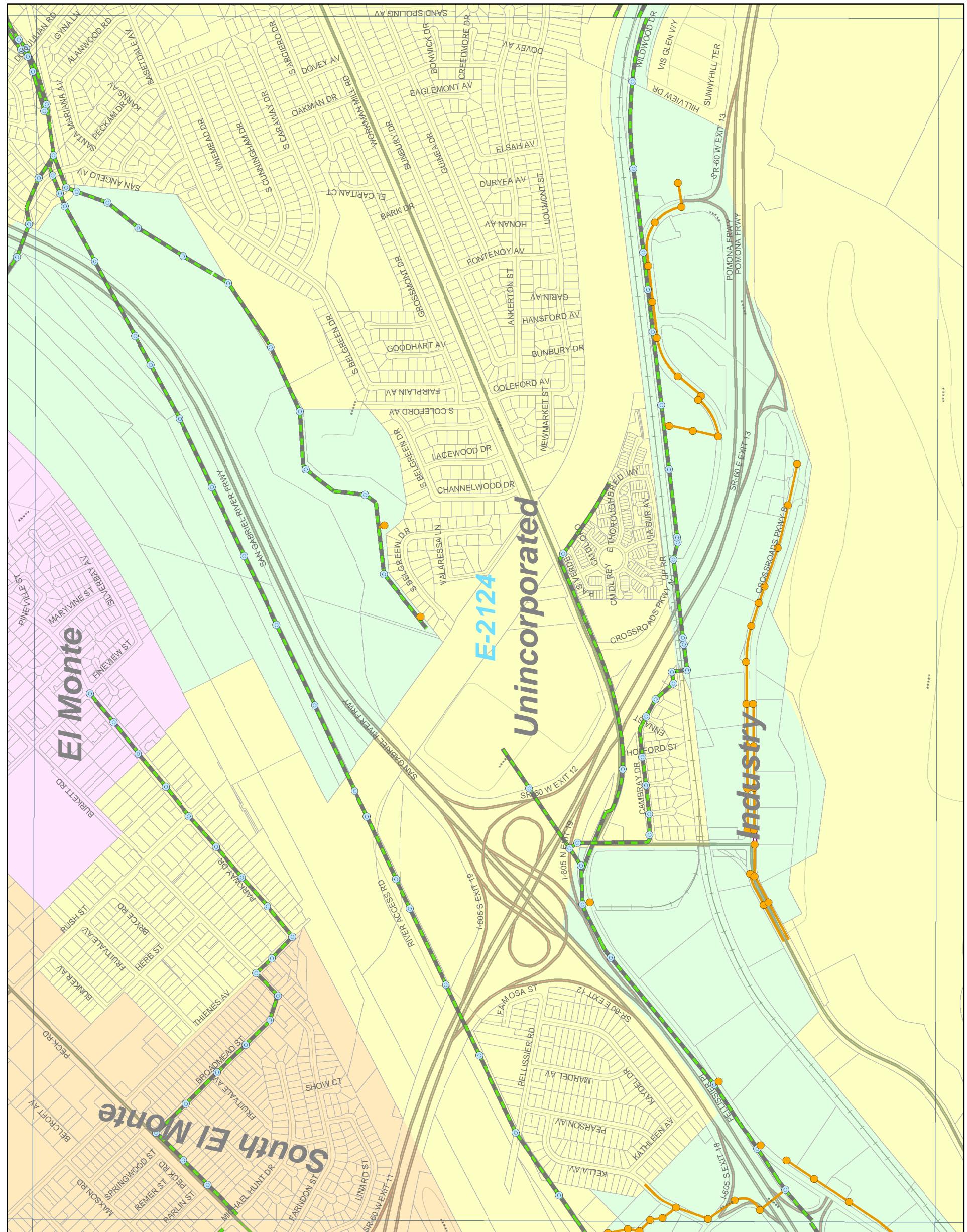
# Sewer Facilities in the City of Industry SMD E-2124



0 1,000 2,000  
Feet

## Legend

- SMD Manholes
- Non SMD Manholes
- Trunk Sewer MHs
- Gravity Sewers
- Force Mains
- Siphons
- Non SMD Sanitary Sewers
- Trunk Main Lines
- SMD Operations Maps



# Sewer Facilities in the City of Industry SMD E-2170



0 1,000 2,000

Feet

## Legend

- SMD Manholes
- Non SMD Manholes
- Trunk Sewer MHs
- Gravity Sewers
- Force Mains
- Siphons
- Non SMD Sanitary Sewers
- Trunk Main Lines
- SMD Operations Maps

As of Date: 8/13/2019

**Unincorporated**

**Baldwin Park**

**La Puente**

**Industry**

**E-2170**

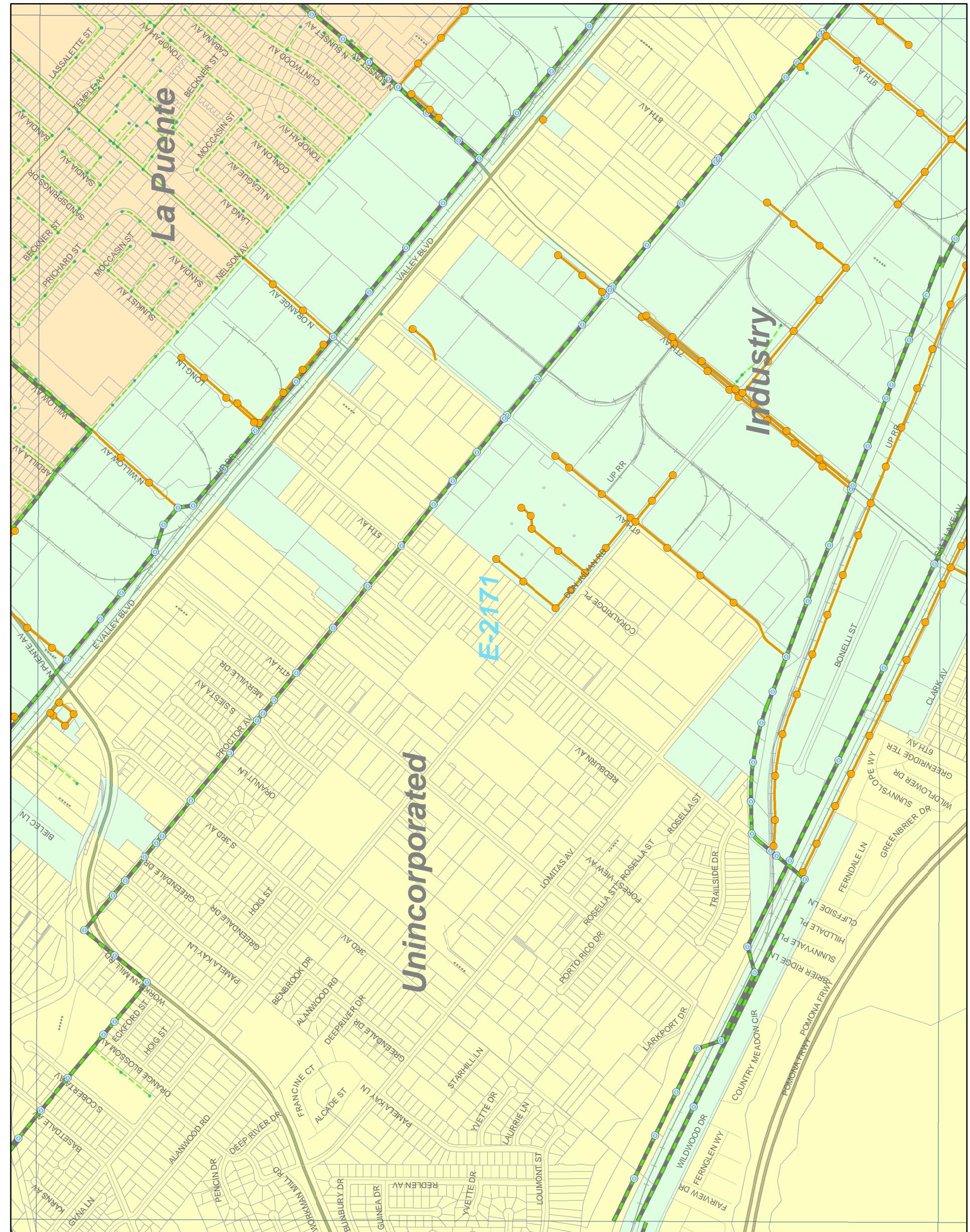
# Sewer Facilities in the City of Industry SMD E-2171



0 1,000 2,000  
Feet

## Legend

- SMD Manholes
- Non SMD Manholes
- Trunk Sewer MHs
- Gravity Sewers
- Force Mains
- Siphons
- Non SMD Sanitary Sewers
- Trunk Main Lines
- SMD Operations Maps



As of Date: 8/13/2019

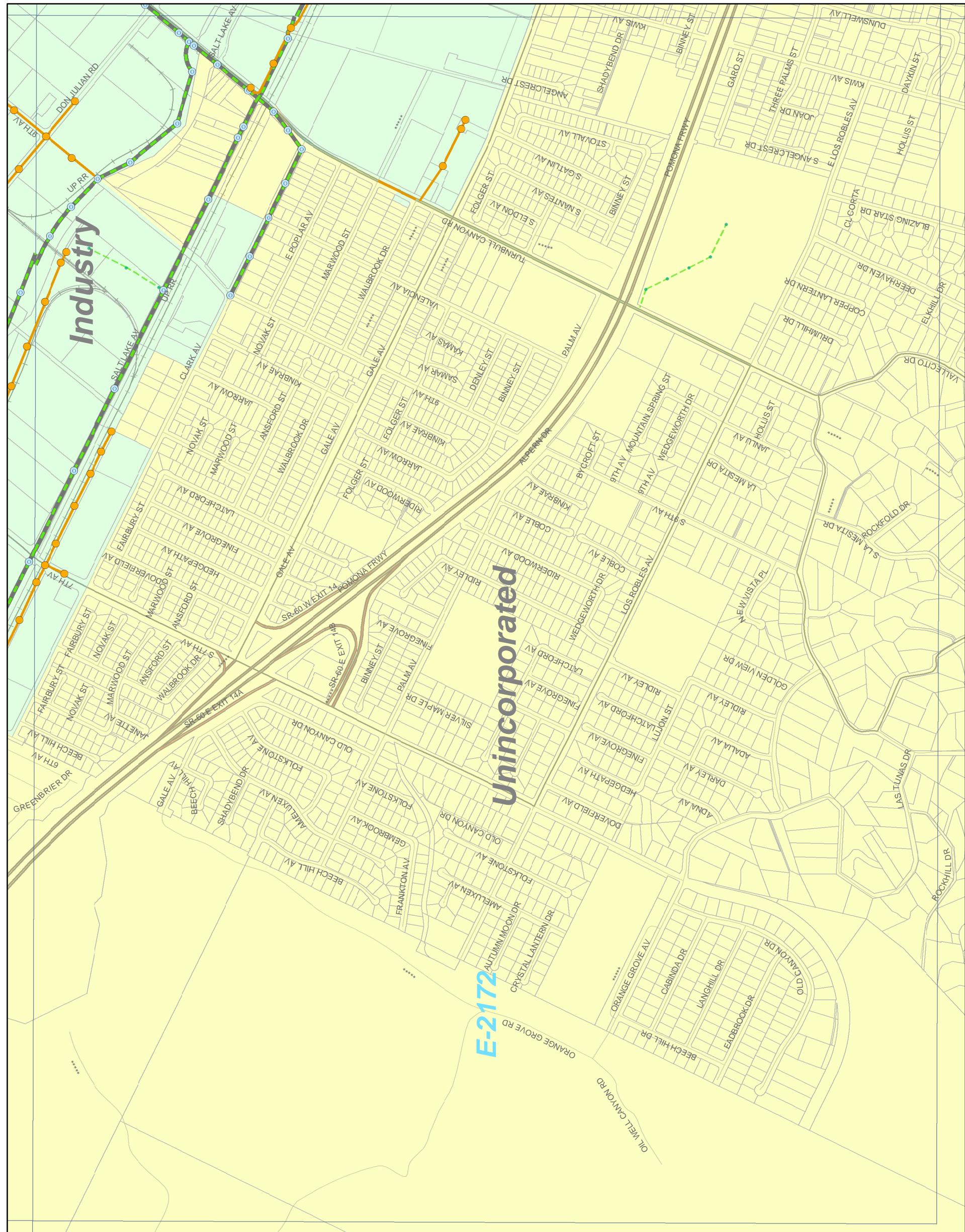
# Sewer Facilities in the City of Industry SMD E-2172



0 1,000 2,000  
Feet

## Legend

- SMD Manholes
- Non SMD Manholes
- Trunk Sewer MHs
- Gravity Sewers
- Force Mains
- Siphons
- Non SMD Sanitary Sewers
- Trunk Main Lines
- SMD Operations Maps



As of Date: 8/13/2019

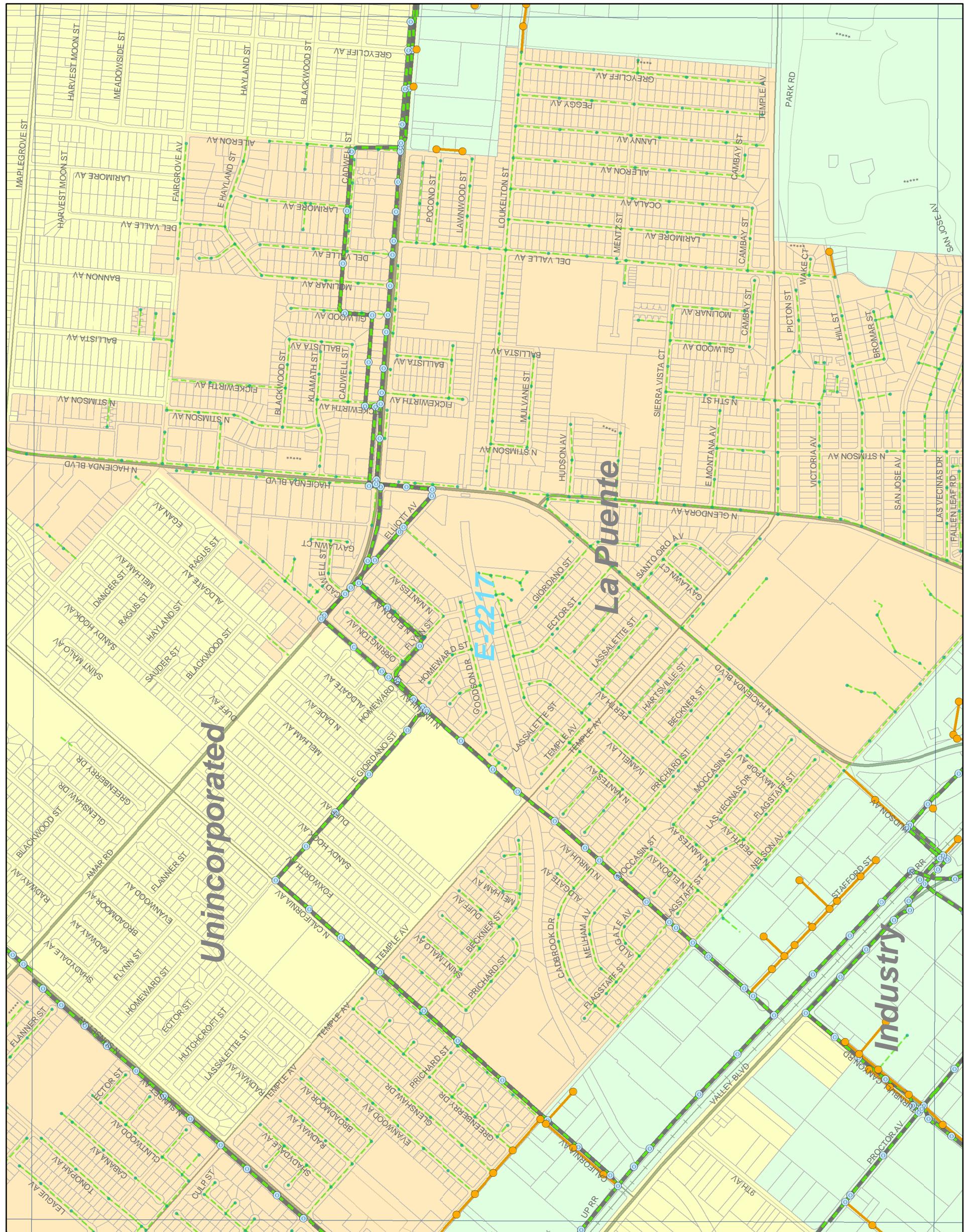
# Sewer Facilities in the City of Industry SMD E-2217



0 1,000 2,000  
Feet

## Legend

- SMD Manholes
- Non SMD Manholes
- Trunk Sewer MHs
- Gravity Sewers
- Force Mains
- Siphons
- Non SMD Sanitary Sewers
- Trunk Main Lines
- SMD Operations Maps



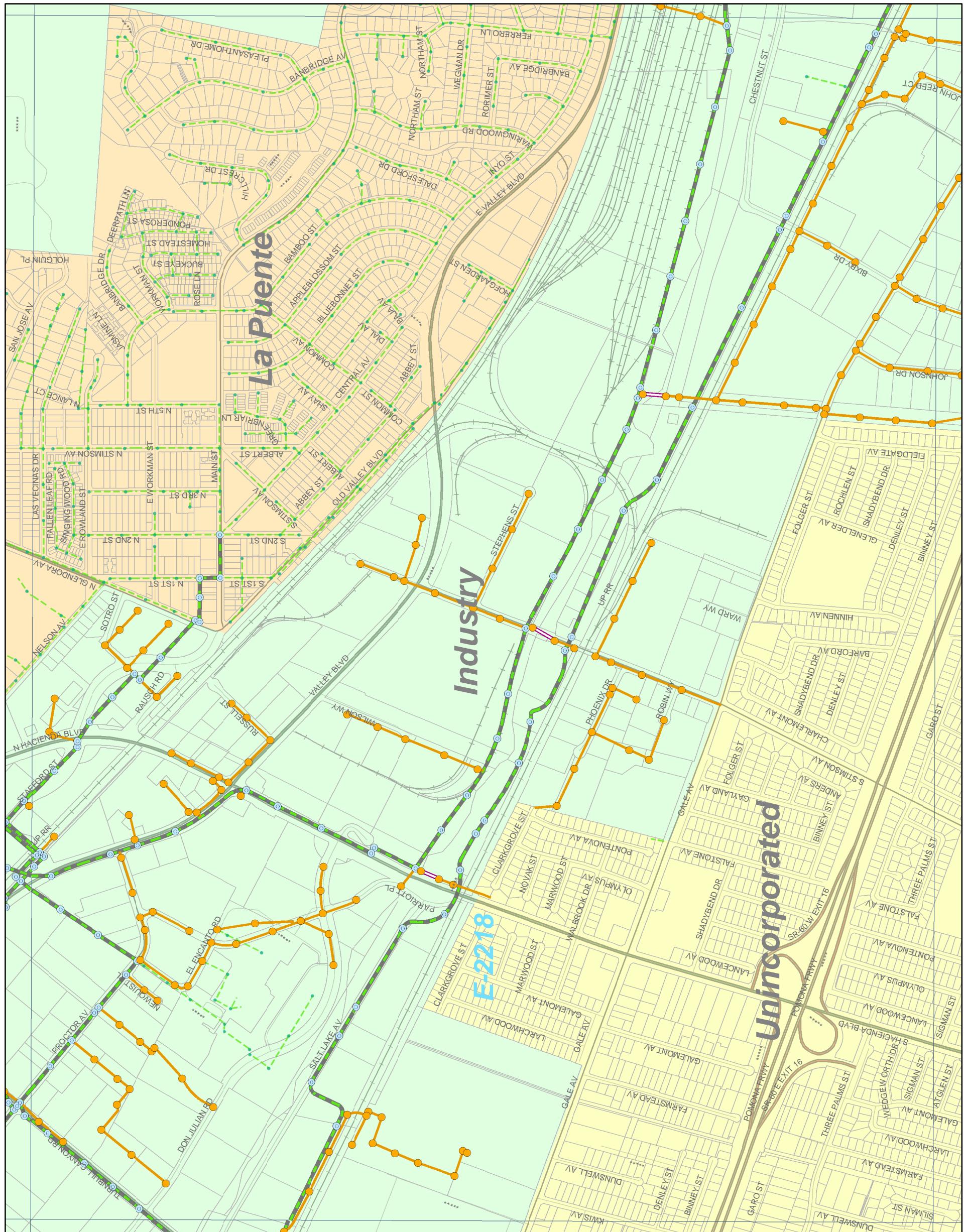
# Sewer Facilities in the City of Industry SMD E-2218



0 1,000 2,000  
Feet

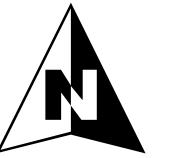
## Legend

- SMD Manholes
- Non SMD Manholes
- Trunk Sewer MHs
- Gravity Sewers
- Force Mains
- Siphons
- Non SMD Sanitary Sewers
- Trunk Main Lines
- SMD Operations Maps



As of Date: 8/13/2019

**Sewer Facilities  
in the City of Industry  
SMD E-2219**



0 1,000 2,000  
Feet

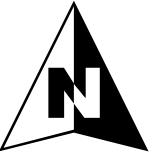
**Legend**

- SMD Manholes
- Non SMD Manholes
- Trunk Sewer MHs
- Gravity Sewers
- Force Mains
- Siphons
- Non SMD Sanitary Sewers
- Trunk Main Lines
- SMD Operations Maps



As of Date: 8/13/2019

# Sewer Facilities in the City of Industry SMD E-2260



0                    1,000                    2,000

Feet

## Legend

- SMD Manholes
- Non SMD Manholes
- Trunk Sewer MHs
- Gravity Sewers
- Force Mains
- Siphons
- Non SMD Sanitary Sewers
- Trunk Main Lines
- SMD Operations Maps

As of Date: 8/13/2019

**West Covina**

**Unincorporated**

**Industry**

**E-2260**

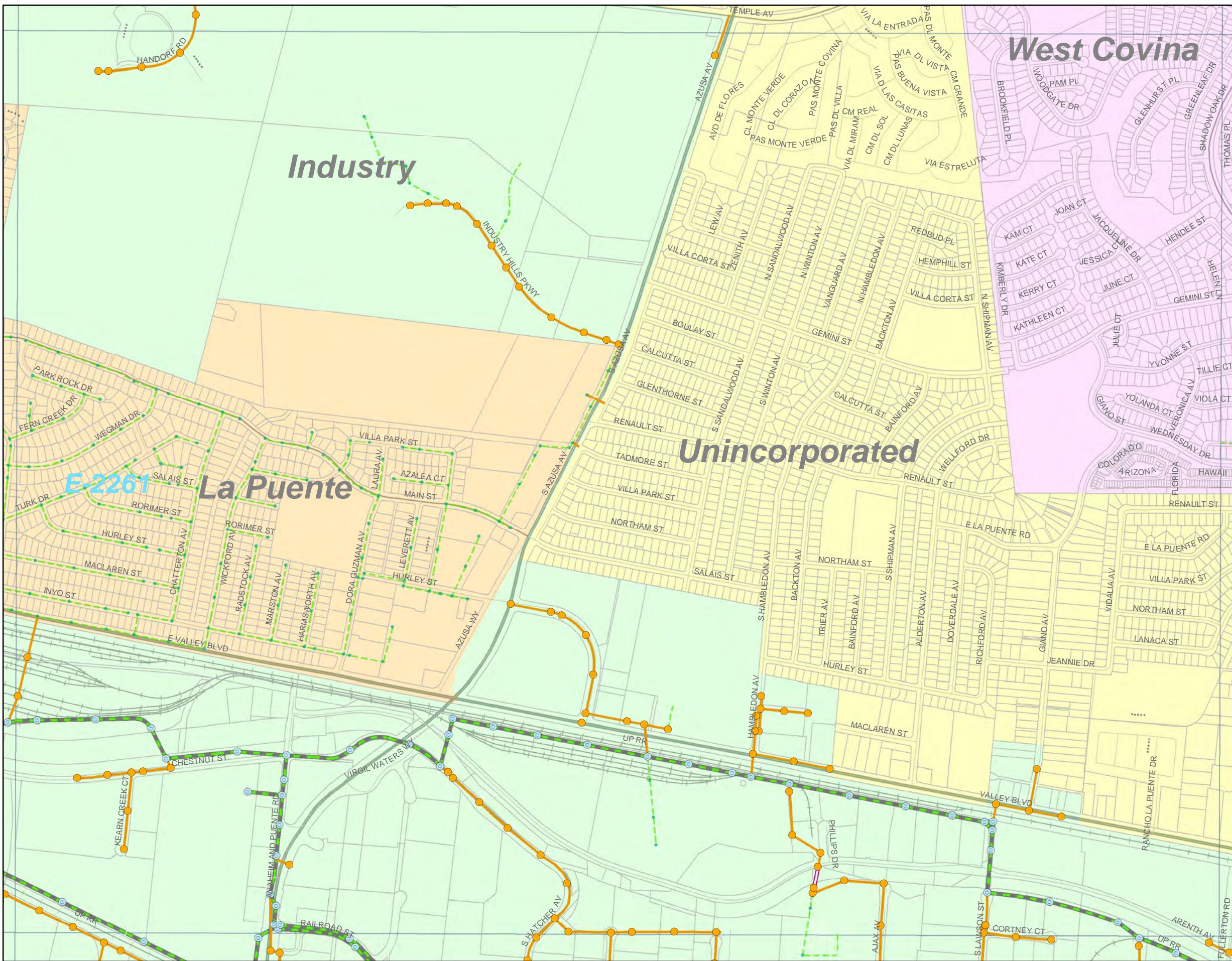
**Sewer Facilities  
in the City of Industry  
SMD E-2261**



0 1,000 2,000  
Feet

**Legend**

- SMD Manholes
- Non SMD Manholes
- Trunk Sewer MHs
- Gravity Sewers
- Force Mains
- Siphons
- Non SMD Sanitary Sewers
- Trunk Main Lines
- SMD Operations Maps



# Sewer Facilities in the City of Industry SMD E-2262



0                            1,000                            2,000

Feet

## Legend

- SMD Manholes
- Non SMD Manholes
- Trunk Sewer MHs
- Gravity Sewers
- Force Mains
- Siphons
- Non SMD Sanitary Sewers
- Trunk Main Lines
- SMD Operations Maps

As of Date: 8/13/2019

---

Doc. Path: C:\Y Zhu\Periodics\GIS Maps\SewerFacilities\_IND\_sht.mxd

D14

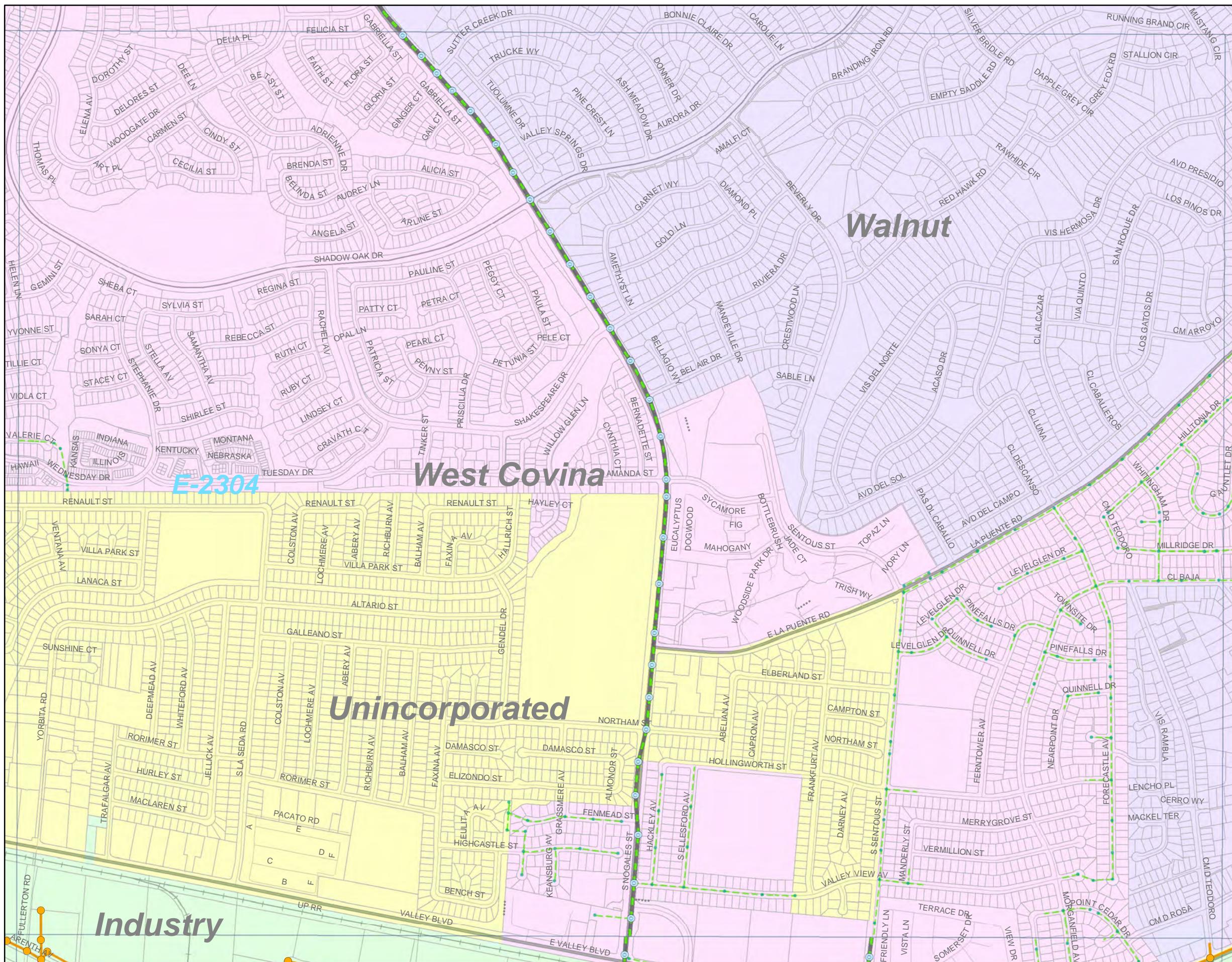
**Sewer Facilities  
in the City of Industry  
SMD E-2304**

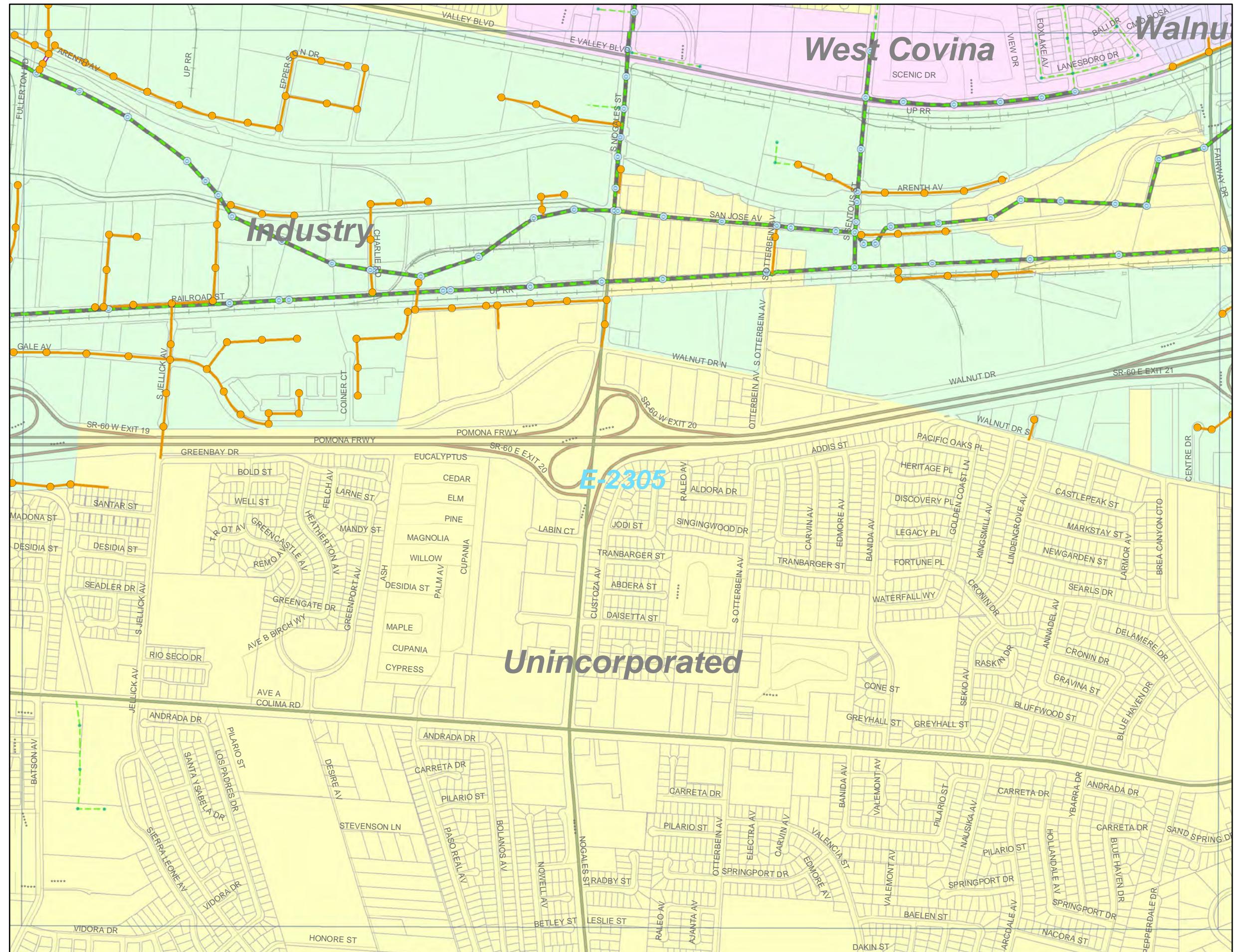


0 1,000 2,000  
Feet

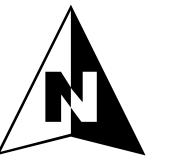
**Legend**

- SMD Manholes
- Non SMD Manholes
- Trunk Sewer MHs
- Gravity Sewers
- Force Mains
- Siphons
- - Non SMD Sanitary Sewers
- - Trunk Main Lines
- SMD Operations Maps





Sewer Facilities  
in the City of Industry  
SMD E-2305



0 1,000 2,000  
Feet

### Legend

- SMD Manholes
- Non SMD Manholes
- Trunk Sewer MHs
- Gravity Sewers
- Force Mains
- Siphons
- Non SMD Sanitary Sewers
- Trunk Main Lines
- SMD Operations Maps

As of Date: 8/13/2019

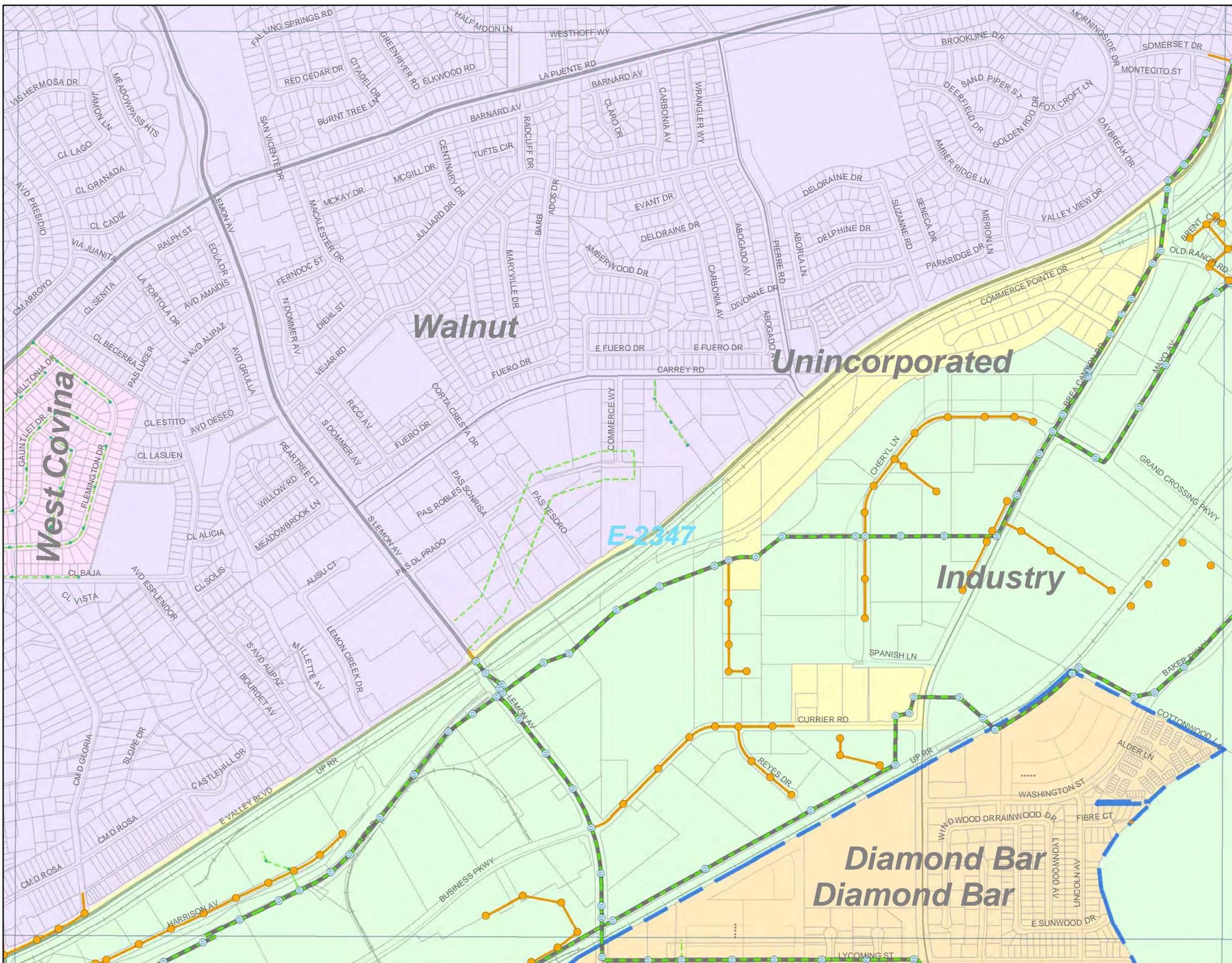
Sewer Facilities  
in the City of Industry  
SMD E-2347

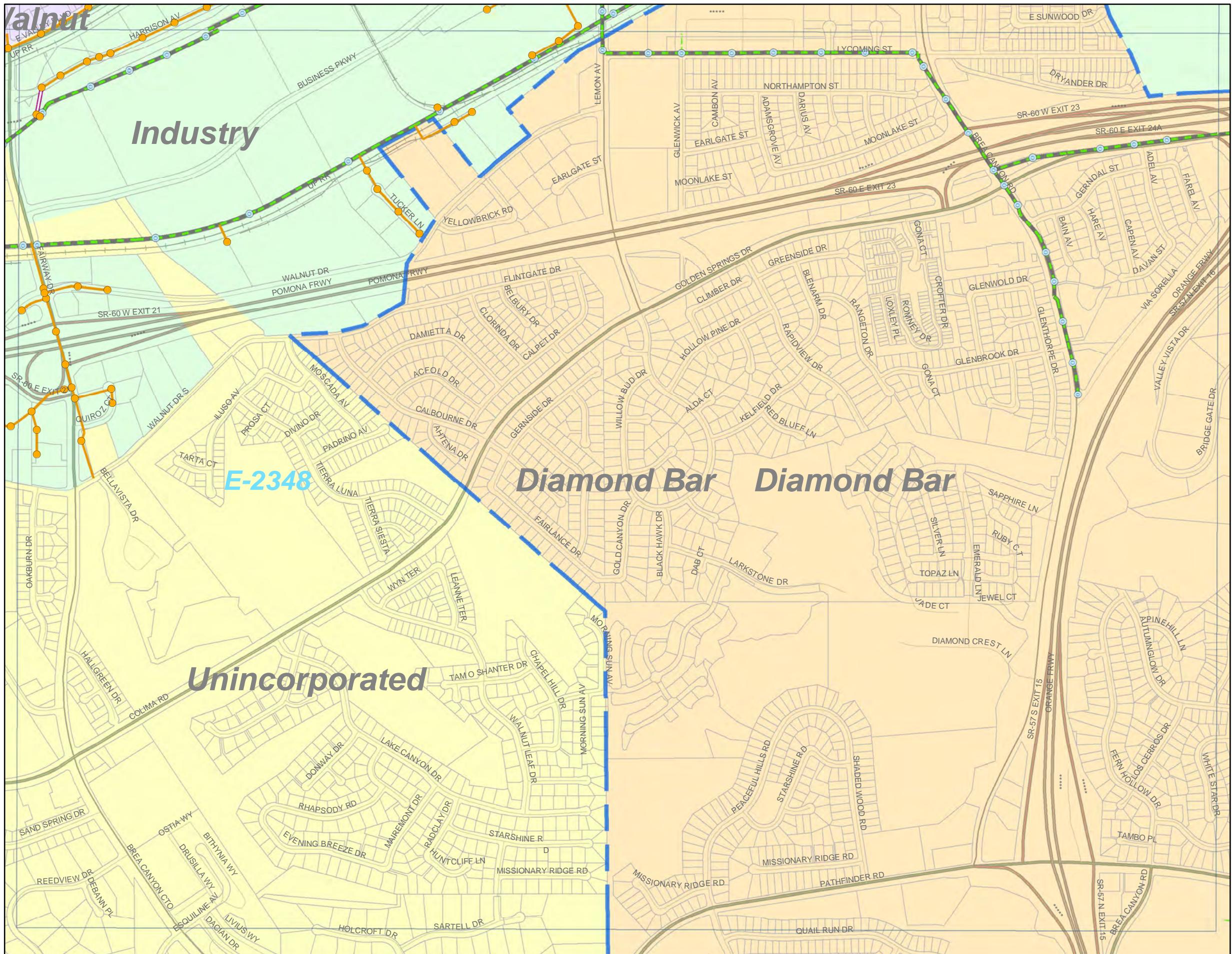


0 1,000 2,000  
Feet

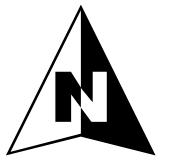
Legend

- SMD Manholes
- Non SMD Manholes
- Trunk Sewer MHs
- Gravity Sewers
- Force Mains
- Siphons
- - Non SMD Sanitary Sewers
- Trunk Main Lines
- SMD Operations Maps





Sewer Facilities  
in the City of Industry  
SMD E-2348

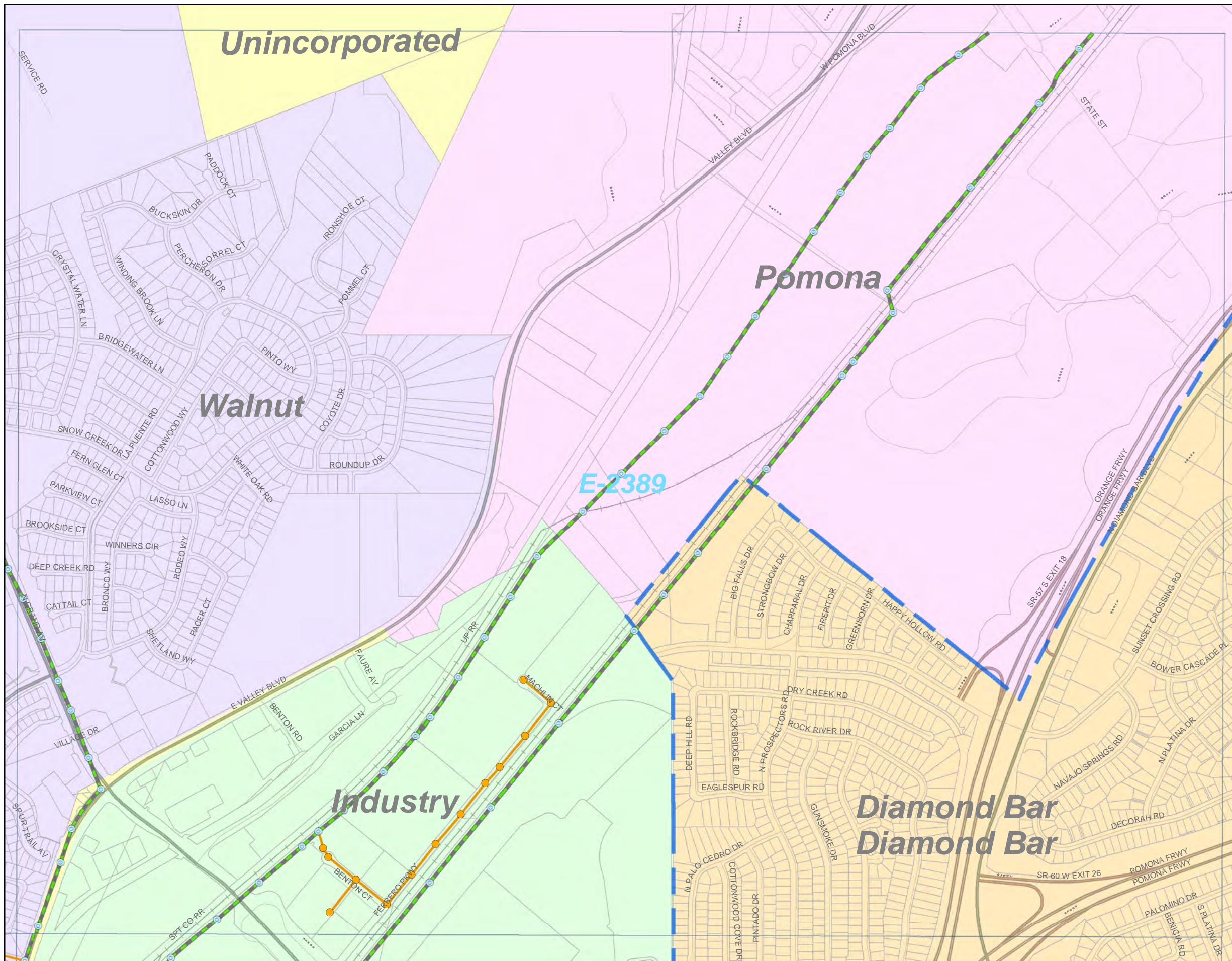


0 1,000 2,000  
Feet

### Legend

- SMD Manholes
- Non SMD Manholes
- Trunk Sewer MHs
- Gravity Sewers
- Force Mains
- Siphons
- - Non SMD Sanitary Sewers
- Trunk Main Lines
- SMD Operations Maps

As of Date: 8/13/2019



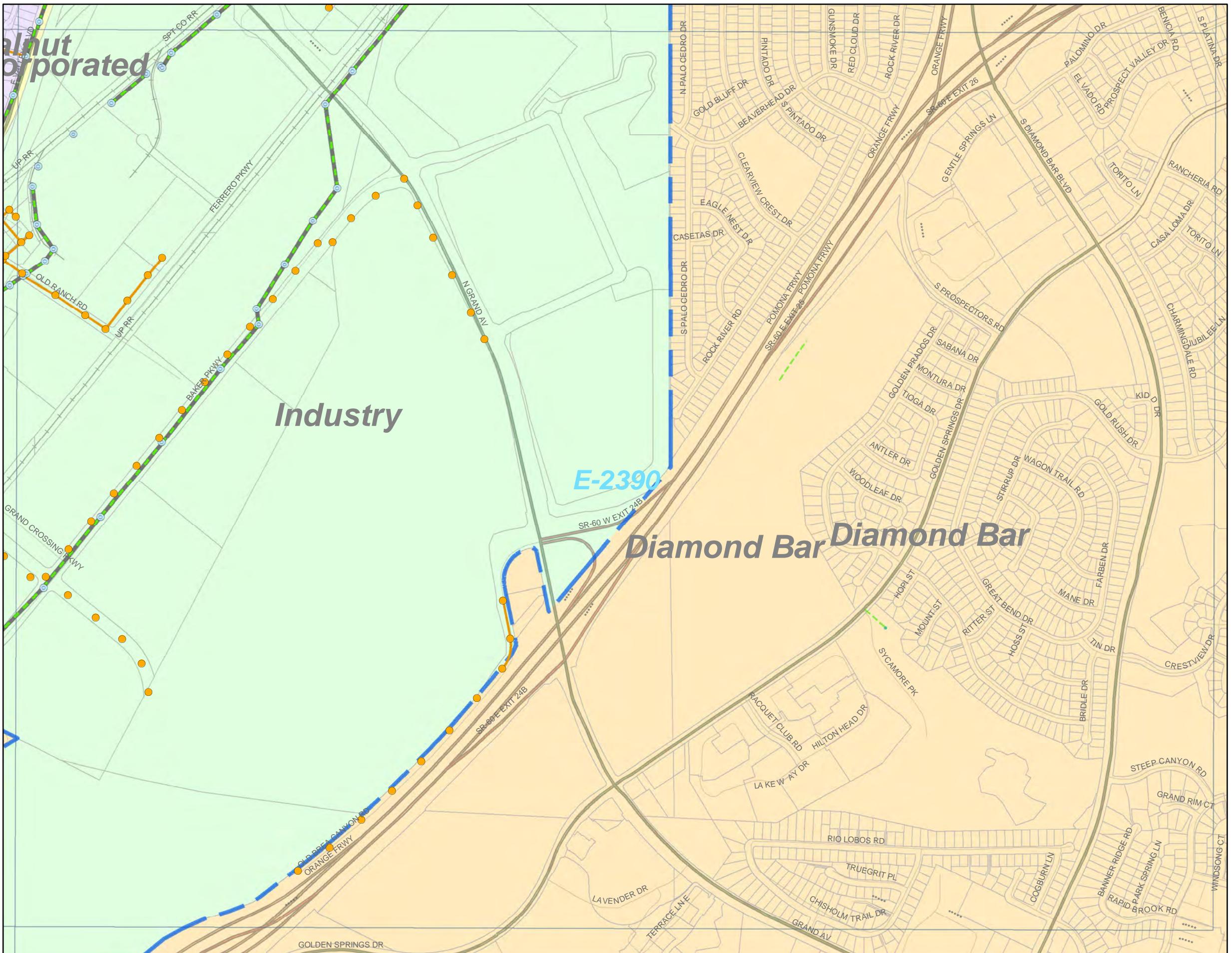
Sewer Facilities  
in the City of Industry  
SMD E-2389



0 1,000 2,000  
Feet

### Legend

- SMD Manholes
- Non SMD Manholes
- Trunk Sewer MHs
- Gravity Sewers
- Force Mains
- Siphons
- Non SMD Sanitary Sewers
- Trunk Main Lines
- SMD Operations Maps



**Sewer Facilities  
in the City of Industry  
SMD E-2390**



0 1,000 2,000  
Feet

**Legend**

- SMD Manholes
- Non SMD Manholes
- Trunk Sewer MHs
- Gravity Sewers
- Force Mains
- Siphons
- - Non SMD Sanitary Sewers
- Trunk Main Lines
- SMD Operations Maps

**APPENDIX E**  
**CONDITION ASSESSMENT**  
**WORK SCHEDULE**

## City of Industry CCTV Inspection Scheduled for FY 2023-2024

### Legend

 Trunk Sewer Lines

### CCTV Project

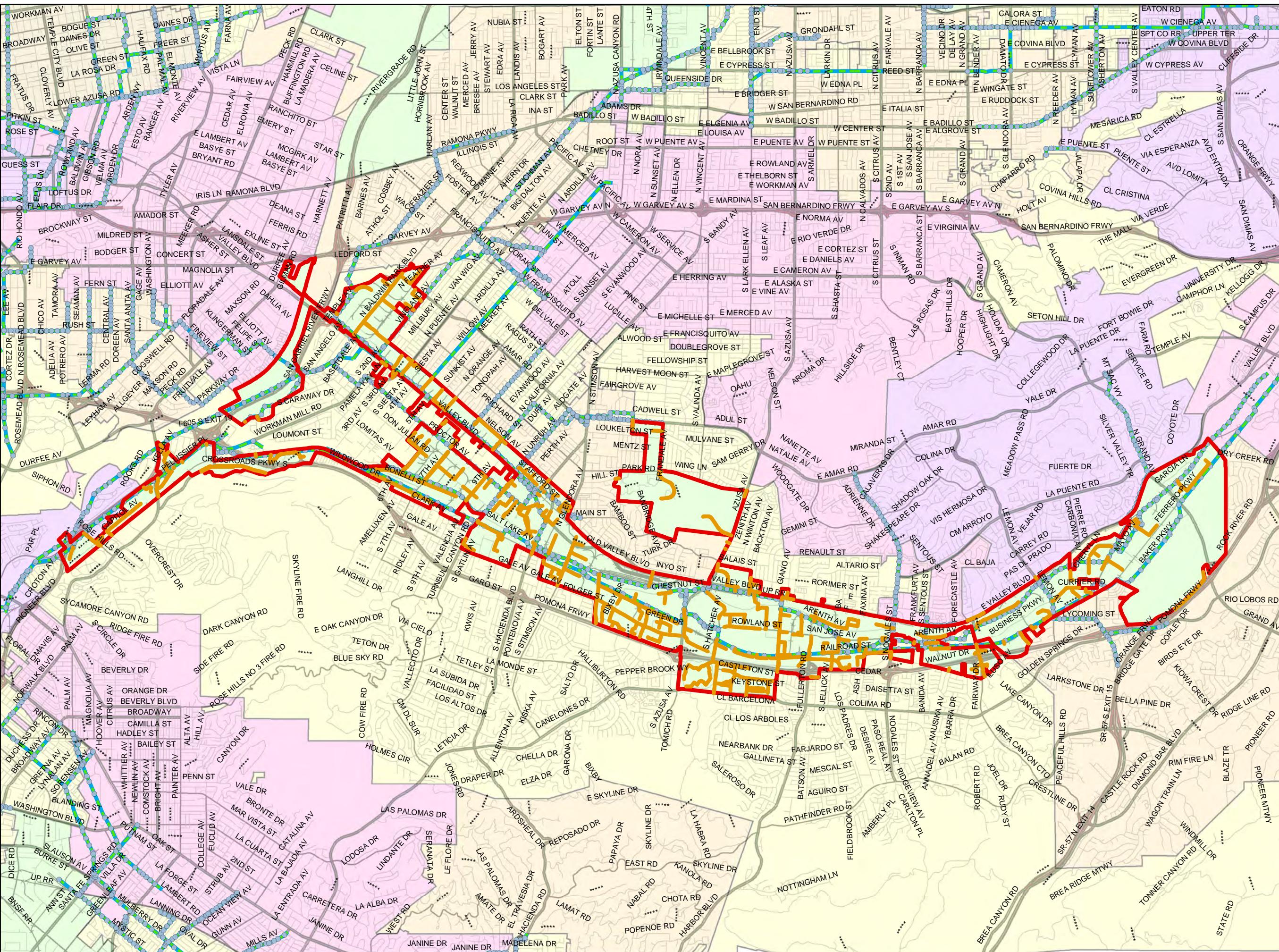
 Boundary

 Approximately  
48 miles of sewer  
lines will be  
inspected in  
FY 2023-24.



0 2,500 5,000 7,500 10,000  
Feet

This map is intended only for internal operations of the Los Angeles County Sewer Maintenance Districts. Los Angeles County expressly disclaims any liability for any inaccuracies which may be present in this map. Data contained in this map is produced in whole or part from the Thomas Bros. Maps® digital database. This map is copyrighted, and reproduced with permission granted, by Thomas Bros. Maps®. All rights reserved.



## APPENDIX F

# PRODUCTIVITY REPORT

**SEWER MAINTENANCE PRODUCTIVITY REPORT  
COLLECTION SYSTEM - DIVISION LEVEL  
FIELD WORK COMPLETED: JANUARY 1 TO DECEMBER 31, 2014  
City of INDUSTRY**

Total Pipe Length (feet) as of December 31, 2014: 253,971

Total Manholes as of December 31, 2014: 1,034

**PREVENTIVE MAINTENANCE ACTIVITIES**

Sewer Pipe

- Hydro Cleaned (feet): 262,745
  - Periodic Cleaning (feet): 59,227
- Mechanically Rodded (feet): 12,167
  - Periodic Cleaning (feet): 10,647

Manholes

- Inspected: 2,068
- Adjusted: 5

**SERVICE REQUESTS**

Responded to:

- False Alarms: 7
- Stoppages: 0
- Overflows: 0
- Floodouts: 0
- Roach Complaints: 0
- Misc.: 0
- Others: 0
- Service requests responded to: 7

**TELEVISING**

Feet Televised: 168,347

**ROOT CONTROL**

Sewer Pipe Treated for Roots (feet): 0

**CONSTRUCTION**

Saddle Installation(s): 3

**PUMP STATIONS**

Total Number of Pump Stations: 0

Total Routine Maintenance/Repair: 0

Total Major Repairs: 0

Total Emergency Response: 0

**ANNEXATIONS**

Parcel(s) Annexed to the District: 3

**ACCUMULATIVE CAPITAL OUTLAY PROJECTS**

Sewer Projects Reconstructed/Rehabilitated: 0

**SEWER MAINTENANCE PRODUCTIVITY REPORT  
COLLECTION SYSTEM – DIVISION LEVEL  
FIELD WORK COMPLETED: JANUARY 1 TO DECEMBER 31, 2015  
CITY OF INDUSTRY**

Total Pipe Length (feet) as of December 31, 2015: 253,971

Total Manholes as of December 31, 2015: 1,034

**PREVENTIVE MAINTENANCE ACTIVITIES**

Sewer Pipe

- Hydro Cleaned (feet): 78,070
  - Periodic Cleaning (feet): 51,258
- Mechanically Rodded (feet): 13,122
  - Periodic Cleaning (feet): 12,891

Manholes

- Inspected: 2,608
- Adjusted: 10

**SERVICE REQUESTS**

Responded to:

- Stoppages: 0
- Overflows: 0
- Flood-outs: 0
- Roach Complaints: 0
- Misc.: 3
- Other: 2
- False Alarms: 7
- Service Requests Responded to: 12

**TELEVISING**

Feet Televised: 479

**ROOT CONTROL**

Sewer Pipes Treated for Roots (feet): 0

**CONSTRUCTION**

Saddle Installation(s): 1

**PUMP STATIONS**

Total Number of Pump Stations: 0

    Total Routine Maintenance/Repair: 0

    Total Major Repairs: 0

    Total Emergency Response: 0

**ANNEXATIONS**

Parcel(s) Annexed to the CSMD: 4

**SEWER MAINTENANCE PRODUCTIVITY REPORT  
COLLECTION SYSTEM – DIVISION LEVEL  
FIELD WORK COMPLETED: JANUARY 1 TO DECEMBER 31, 2016  
CITY OF INDUSTRY**

Total Pipe Length (feet) as of December 31, 2016: 253,971

Total Manholes as of December 31, 2016: 1,034

**PREVENTIVE MAINTENANCE ACTIVITIES**

Sewer Pipe

- Hydro Cleaned (feet): 83,780
  - Periodic Cleaning (feet): 54,402
- Mechanically Rodded (feet): 13,782
  - Periodic Cleaning (feet): 12,282

Manholes

- Inspected: 2,068
- Adjusted: 10

**SERVICE REQUESTS**

Responded to:

- Stoppages: 0
- Overflows: 0
- Flood-outs: 0
- Roach Complaints: 0
- Misc.: 3
- Other: 5
- False Alarms: 3
- Service Requests Responded to: 11

**TELEVISING**

Feet Televised: 10,356

**ROOT CONTROL**

Sewer Pipes Treated for Roots (feet): 0

**CONSTRUCTION**

Saddle Installation(s): 0

**PUMP STATIONS**

Total Number of Pump Stations: 0

    Total Routine Maintenance/Repair: 0

    Total Major Repairs: 0

    Total Emergency Response: 0

**ANNEXATIONS**

Parcel(s) Annexed to the CSMD: 0

**ACCUMULATIVE CAPITAL OUTLAY PROJECTS**

Sewer Projects Reconstructed/Rehabilitated: 0

**SEWER MAINTENANCE PRODUCTIVITY REPORT  
COLLECTION SYSTEM – DIVISION LEVEL  
FIELD WORK COMPLETED: JANUARY 1 TO DECEMBER 31, 2017  
CITY OF INDUSTRY**

Total Pipe Length (feet) as of December 31, 2017: 254,242

Total Manholes as of December 31, 2017: 1,036

**PREVENTIVE MAINTENANCE ACTIVITIES**

Sewer Pipe

- Hydro Cleaned (feet): 93,604
  - Periodic Cleaning (feet): 61,958
- Mechanically Rodded (feet): 13,771
  - Periodic Cleaning (feet): 11,767

Manholes

- Inspected: 2,072
- Adjusted: 3

**SERVICE REQUESTS**

Responded to:

- Stoppages: 1
- Overflows: 2
- Flood-outs: 0
- Roach Complaints: 0
- Misc.: 1
- Other: 3
- False Alarms: 5
- Service Requests Responded to: 12

**TELEVISING**

Feet Televised: 1,245

**ROOT CONTROL**

Sewer Pipes Treated for Roots (feet): 0

**CONSTRUCTION**

Saddle Installation(s): 3

**PUMP STATIONS**

Total Number of Pump Stations: 0

Total Routine: 0

Maintenance/Repair: 0

Total Major Repairs: 0

Total Emergency Response: 0

**ANNEXATIONS**

Parcel(s) Annexed to the CSMD: 4

**ACCUMULATIVE CAPITAL OUTLAY PROJECTS**

Sewer Projects Reconstructed/Rehabilitated: 0

**SEWER MAINTENANCE PRODUCTIVITY REPORT**  
**COLLECTION SYSTEM - CITY OF INDUSTRY**  
Period from January 01, 2018 to December 31, 2018

Total pipe length (feet) as of December 31, 2018: 263,048

Total manholes as of December 31, 2018: 1,071

**PREVENTIVE MAINTENANCE ACTIVITIES**

Sewer Pipe

Hydro Cleaning (feet):	83,190
Periodic Cleaning (feet):	62,835
Mechanically Rodded (feet):	17,374
Periodic Cleaning (feet):	14,036

Manholes

Inspected:	2,142
Adjusted:	31

**SERVICE REQUESTS**

Responded to:

False Alarms:	7
Stoppages:	0
Overflows:	0
Floodouts:	0
Roach Complaints:	0
Misc.:	4
Other:	1
Service requests responded to:	12

**TELEVISING**

Feet Televised: 1,457

**ROOT CONTROL**

Sewer pipe treated for roots (feet): 0

**CONSTRUCTION**

Saddles Installed(s): 0

**PUMP STATIONS**

Total number of pump stations:

Total Routine Maintenance/Repair:	
Total Major Repairs:	
Total Emergency Response:	

**ANNEXATIONS**

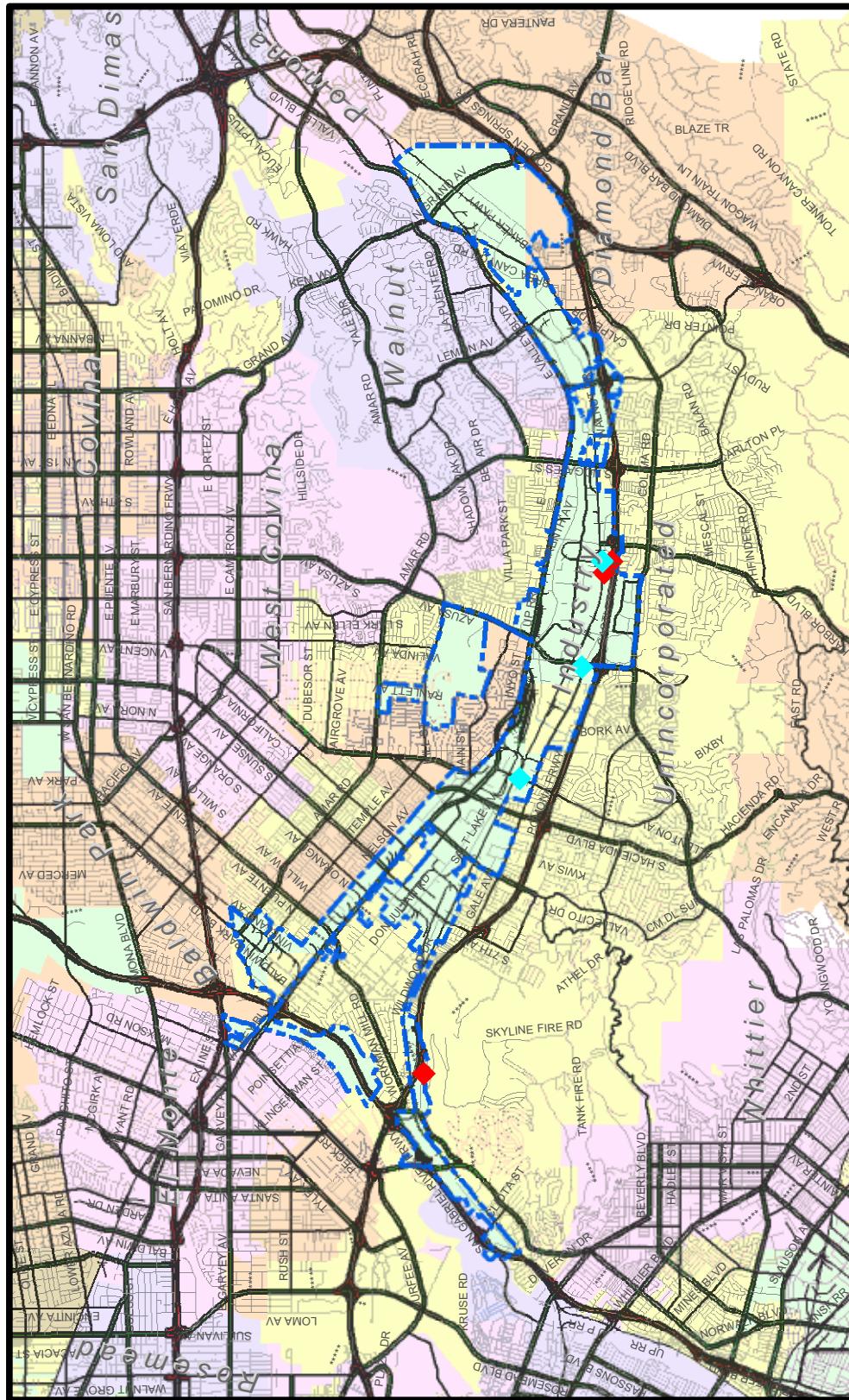
Parcel(s) annexed to the District:

**ACCUMULATIVE CAPITAL OUTLAY PROJECTS**

Sewer projects reconstructed/rehabilitated:

**APPENDIX G**  
**SANITARY SEWER OVERFLOW**  
**LOCATION MAP**

# City of Industry Sewer Overflows — 2014 - 2018



## REPORTED SEWER OVERFLOWS

### Legend

- ◆ Root
- ◆ Grease
- ◆ Root\_Grease
- ◆ Miscellaneous

ID	DATE	DESCRIPTION	CAUSE	EST. GAL.	MMS	DUR HRS	JUR
1	6/4/2015	18209 E. Gale Ave/Fullerton Rd.	Grease	200	2262-Private		24 IND
2	11/23/2015	18065 Gale Ave/Stoner Creek Rd	Absorbent socks	180	2262-0561		0 IND
3	12/9/2015	18065 Gale Ave/Fullerton	Grease	180	2262-0514		5 IND
4	1/11/2017	811 S. Stimson Avenue / Phoenix Dr	Rags	2250	2218-0221		3 IND
5	1/16/2017	17150 Gale Ave / Azusa Ave	Heavy Paper, Towels & Rags	500	2262-0018		2 IND
6	2/29/2017	13039 Crossroads Parkway South / Workman Mill Rd	Grease	2500	2124-0366		15 IND