

CITY OF HIDDEN HILLS SEWER SYSTEM MANAGEMENT PLAN



2020

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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 | Los Angeles County 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 HIDDEN HILLS

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 Hidden Hills (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 operators, employees, 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 a population of approximately 1,890 residents and consists of about 15.28 miles of gravity sewer lines and 2 pump stations. The majority of the sewage collected by the sanitary sewer system is transported to a collection/interceptor main owned by the LVMWD for treatment at the Tapia Wastewater Treatment Plant in Malibu, California. A small portion of the sewer system gravity flows to the collection system owned by the City of Los Angeles that is treated at the Tillman Water Reclamation Plant in the City of Los Angeles, California.

The distribution of the City administrative personnel is depicted in the organization chart presented in Sections 2.3.1a and described in Section 2.3.2 of this document. These personnel, assisted by key support services noted in Section 2.3.3, administer the Sewer Service Charge Ordinance, carry out annexation proceedings for new territories, form and dissolve service zones, maintain facility record plans, and administer preventive maintenance and sewer construction programs.

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.

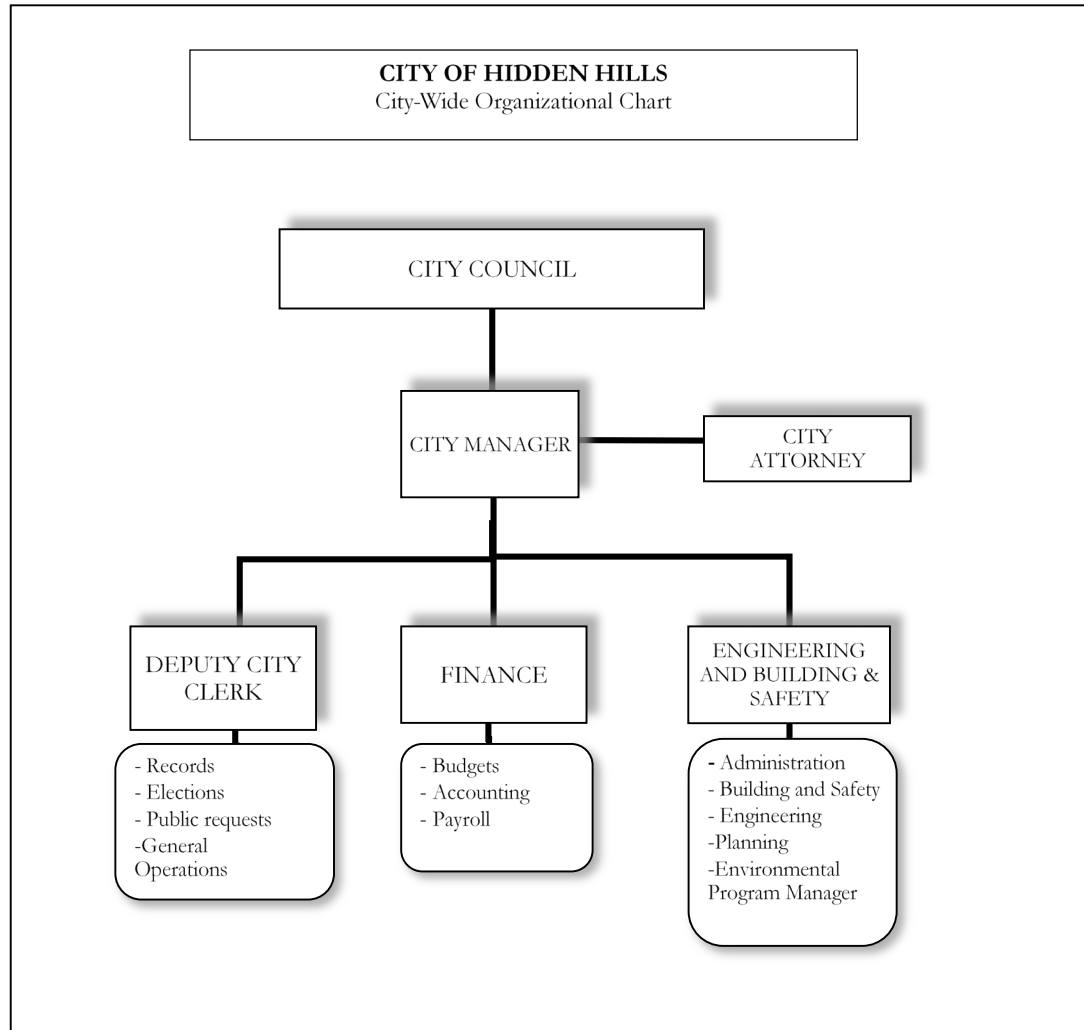
2.2 Authorized Representative

The City's City Manager or City Engineer 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.

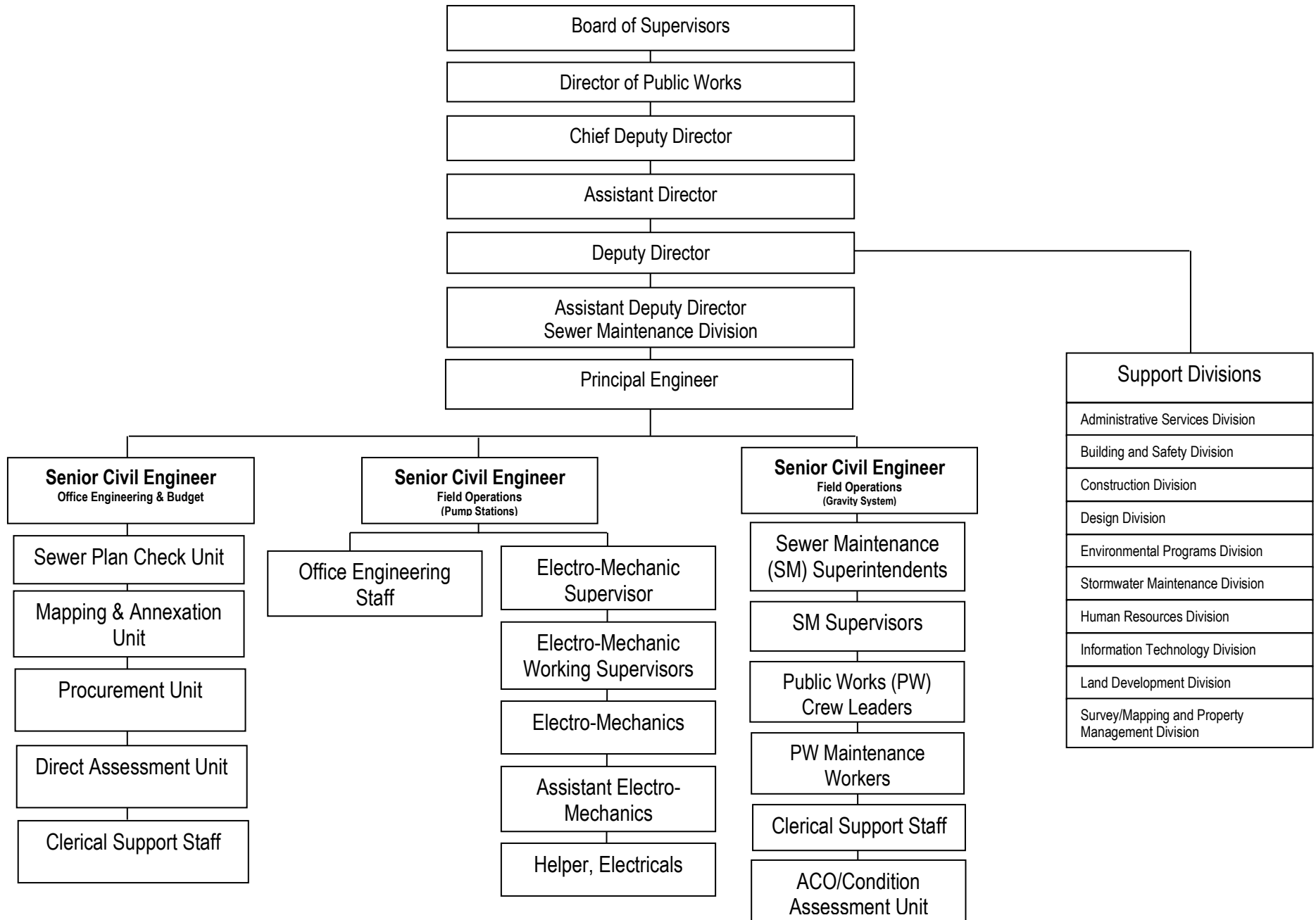
2.3 Organization Chart and Responsibilities

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 2.3.1a, 2.3.1b, and 2.3.1c, respectively, and the descriptions of responsibilities and support are presented in Sections 2.3.2 and 2.3.3.

2.3.1a City of Hidden Hills Organization Chart for Sanitary Sewer System Management



2.3.1b Sewer Maintenance Division Organization Chart



**2.3.1c ORGANIZATIONAL CHART WITH NAMES AND
PHONE NUMBERS**

| Hidden Hills | | |
|---------------|---|----------------|
| Kerry Kallman | City Manager | (818) 888-9281 |
| Dirk Lovett | City Engineer/ Environmental Compliance Coordinator | (818) 888-9281 |

SEWER MAINTENANCE DISTRICTS

| Board of Supervisors | | |
|---|--|----------------------------------|
| Hilda L. Solis | Supervisor, First District | (213) 974-4111 |
| Mark Ridley-Thomas | Supervisor, Second District | (213) 974-2222 |
| Sheila Kuehl | Supervisor, Third District | (213) 974-3333 |
| Janice Hahn | Supervisor, Fourth District | (213) 974-4444 |
| Kathryn Barger | Supervisor, Fifth District | (213) 974-5555 |
| Public Works | | |
| Mark Pestrella | Director | (626) 458-4002 |
| VACANT | Chief Deputy Director | (626) 458-4001 |
| Shari Afshari | Deputy Director | (626) 458-4008 |
| Sewer Maintenance Division | | |
| Bill J. Winter | Assistant Deputy Director | (626) 300-3304 |
| Martin Moreno | Principal Engineer | (626) 300-3312 |
| Clerical Support Staff | | |
| Violeta Roldan | Senior Secretary IV | (626) 300-3309 |
| (Office Engineering & Budget) | | |
| Nicholas Agbobu | Senior Civil Engineer | (626) 300-3382 |
| Sewer Plan Check Unit | | |
| Sandra Medina | Associate Civil Engineer | (626) 300-3363 |
| Mapping & Annexation Unit | | |
| Julie Zhu | Supervising Geographic Information System Technician | (626) 300-3366 |
| Procurement | | |
| Cynthia Phan | Financial Specialist III | (626) 300-3322 |
| Direct Assessment Unit | | |
| Linh La | Staff Assistant II | (626) 300-3340 |
| Accumulative Capital Outlay/Condition Assessment Unit | | |
| Alex Villarama | Civil Engineer | (626) 300-3374 |
| (Field Operations – Pump Stations) | | |
| Jeff Bouse | Senior Civil Engineer | (626) 300-3373 |
| Kari Eskridge | Civil Engineer | (626) 300-3390 |
| Mark Ramirez | Electro-Mechanic Supervisor | (626) 300-4682 |
| Electro-Mechanics | | |
| East/Central | | |
| George Modlin | EM Working Supervisor | (626) 446-3271 (562) 941-7011 |
| East/Central | Electro-Mechanics | (626) 446-3271 |
| East/Central | Assistant Electro-Mechanics | (562) 941-7011 |
| North | | |
| Alfredo Duran | EM Working Supervisor | (661) 222-2569 |
| North/West | Electro-Mechanics | (661) 222-2569 |
| North/West | Assistant Electro-Mechanics | (661) 942-6042 |
| North/West | Helper, Electricals | (661) 942-6042 |
| South | | |
| VACANT | EM Working Supervisor | (323) 233-2015 |
| South | Electro-Mechanics | (323) 233-2015 |
| South | Assistant Electro-Mechanics | (323) 233-2015 |
| Field Operations – Gravity System | | |
| Robert Swartz | Senior Civil Engineer | (626) 300-3367 |
| Gohar Tsoakyan | Staff Assistant II | (626) 300-3325 |
| Field Offices | | |
| Central | | |
| Mike Garcia | SM Superintendent | (562) 941-7011 |
| Juan Alonso | SM Supervisor | (562) 941-7011 |
| Central | PW Crew Leaders | (562) 941-7011 |
| Central | PW Maintenance Workers | (562) 941-7011 |
| Central | PW Laborers | (562) 941-7011 |
| Central | Bricklayer | (562) 941-7011 |
| Central | Sr. Equipment Maintenance Worker | (562) 941-7011 |
| Willa Mar | Intermediate Typist-Clerk | (562) 941-7011 |
| Jennifer Garcia | Senior Typist-Clerk | (562) 941-7011 |

| East | | |
|---|----------------------------------|----------------|
| James Pryor | SM Superintendent | (626) 446-5227 |
| Jim Vives | SM Supervisor | (626) 446-5227 |
| Chris Peña | SM Supervisor | (626) 446-5227 |
| East | PW Crew Leaders | (626) 446-5227 |
| East | PW Maintenance Workers | (626) 446-5227 |
| East | PW Laborers | (626) 446-5227 |
| East | Bricklayer | (626) 446-5227 |
| East | Sr. Equipment Maintenance Worker | (626) 446-5227 |
| Chris Pussman | Senior Typist-Clerk | (626) 446-5227 |
| Zamir Zyada | Intermediate Clerk | (626) 446-5227 |
| South | | |
| Paul Bradford | SM Superintendent | (323) 233-3330 |
| Isaac Leal | SM Supervisor | (323) 233-3330 |
| Capice Simms | SM Supervisor | (323) 233-3330 |
| South | PW Crew Leaders | (323) 233-3330 |
| South | PW Maintenance Workers | (323) 233-3330 |
| South | PW Laborers | (323) 233-3330 |
| South | Bricklayer | (323) 233-3330 |
| South | Sr. Equipment Maintenance Worker | (323) 233-3330 |
| Susan Carmona | Intermediate Clerk | (323) 233-3330 |
| Marilyn Lamar | Intermediate Typist-Clerk | (323) 233-3330 |
| North | | |
| Tim Bohannon | SM Superintendent | (661) 942-6042 |
| Deroald Dolittle | SM Supervisor | (661) 942-6042 |
| North | PW Maintenance Workers | (661) 942-6042 |
| North | PW Laborers | (661) 942-6042 |
| North | Bricklayer | (661) 942-6042 |
| North | Sr. Equipment Maintenance Worker | (661) 942-6042 |
| Anita Carver | Senior Typist-Clerk | (661) 942-6042 |
| Santa Clarita | | |
| Tim Bohannon | SM Superintendent | (661) 942-6042 |
| Jesse Cisneros | SM Supervisor | (661) 222-2569 |
| Santa Clarita | PW Maintenance Workers | (661) 222-2569 |
| Santa Clarita | PW Laborers | (661) 222-2569 |
| Support Divisions | | |
| Administrative Services Division | | |
| Alma D. Martinez | Admin Deputy Director | (626) 458-4078 |
| Building and Safety Division | | |
| Hassan Alameddine | Asst. Deputy Director | (626) 458-6385 |
| Construction Division | | |
| Steve Burger | Asst. Deputy Director | (626) 458-3100 |
| Design Division | | |
| Hector Bordas | Asst. Deputy Director | (626) 458-7800 |
| Environmental Division | | |
| Coby Skye | Asst. Deputy Director | (626) 458-3500 |
| Stormwater Maintenance Division | | |
| VACANT | 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 | | |
| Anthony Nyivih | Asst. Deputy Director | (626) 458-4900 |
| Survey/Mapping & Property Management Division | | |
| James T Sparks | Asst. Deputy Director | (626) 458-7000 |

.3.2 Description of Responsibilities

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

- **City Council** – The City Council has final authority over all aspects of the City. The City Council generally delegates the day-to-day functions of the City to the City Manager. The City Council is responsible for establishing new and amending existing laws and regulations governing the operations of the City's sewer system.
- **City Manager** – The City Manager is the City's chief administrative officer and is responsible for all day-to-day operations, City departments, and its staff. The City Manager is the primary LRO for SSMP program implementation. The City Manager generally delegates the day-to-day function of the sewer system and its management to the City Engineer and Environmental Compliance Coordinator.
- **City Engineer** – The City Engineer is designated LRO for SSMP program implementation. The City Engineer is responsible for the City's sewer system planning. The City Engineer assists in formulating general City policies and procedures for protecting and enhancing the infrastructure, including sanitary sewer service within the City's boundaries. Further the City Engineer reports to and may act on behalf of the City Manager, in limited capacities related to the SSMP, and is the responsible contact for all CSMD/SMD issues, concerns, and/or obligations. In conjunction with other departments, the Engineering and Building & Safety departments assist with the management of departments, issue building permits, provide inspections of new construction, and ensure compliance with the applicable planning, zoning, and building code requirement.
- **Environmental Compliance Coordinator** – The City's Environmental Compliance Coordinator is also the LRO for SSMP program implementation. He is responsible for the City's sewer system environmental permitting and compliance issues relating to the Order and SSMP for sanitary sewer service within the City's boundaries. Further the Environmental Compliance Coordinator reports to and may act on behalf of the City Manager, in limited capacities related to the SSMP, and is the other responsible contact for CSMD/SMD issues, concerns, and/or obligations.

2.3.3 City Divisions/Departments and Other Agencies

Other Divisions or Departments within the City and specific contracted services 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:

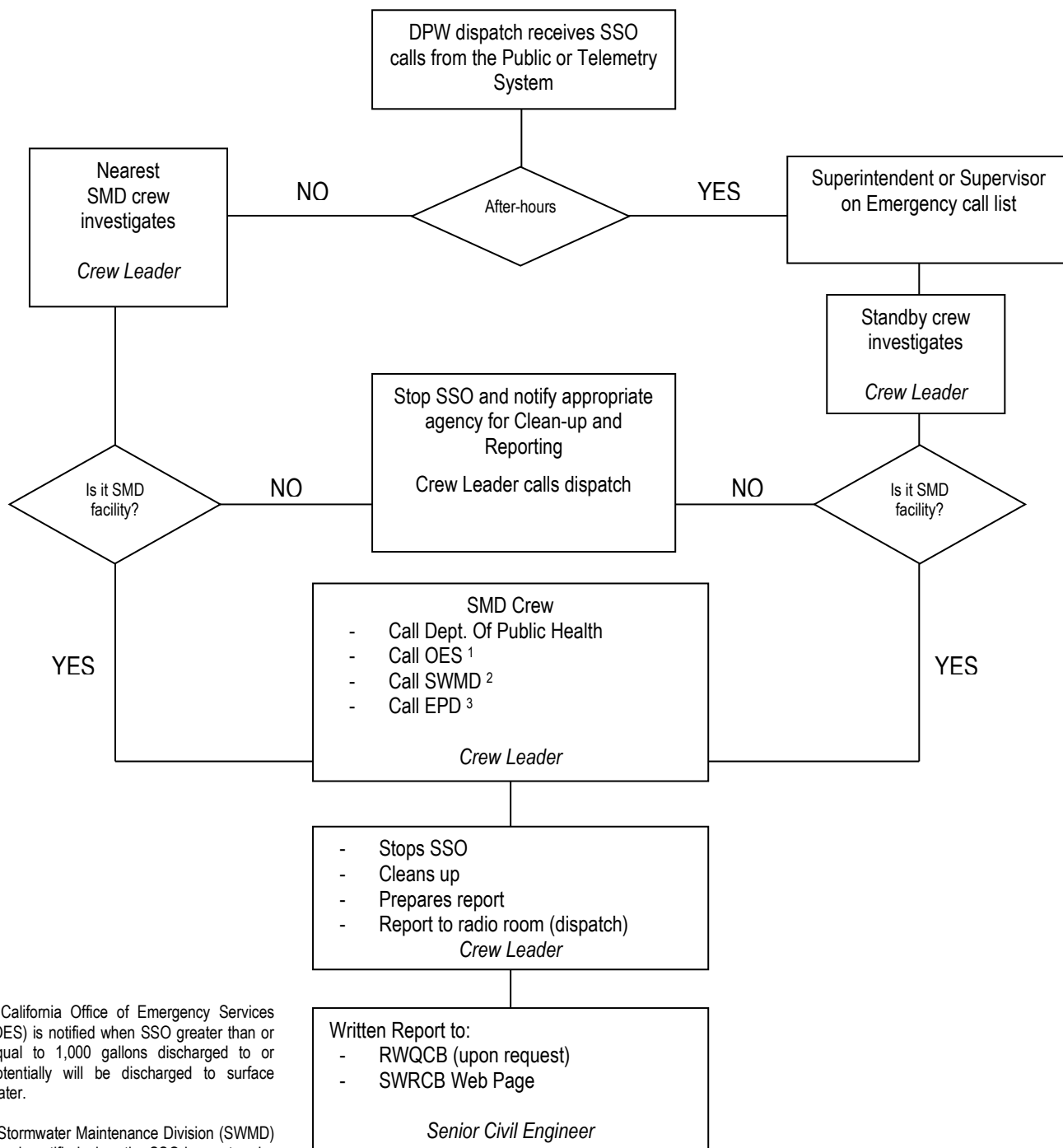
- **Administrative Services Department** – Responsible for procuring equipment and as-needed contract services for emergency sewer repair projects; printing and mailing of public education outreach program materials; procuring materials and supplies needed for the day-to-day operation and maintenance activities; accounting services; and training of personnel. Also responsible for investigating SSO-related claims and litigations against the City.
- **Building and Safety Division** – 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.
- **Engineering Division** – Responsible for preparing plans and specifications for sewer construction and rehabilitation projects, administration of contracts for accomplishing such projects, and emergency sewer repair projects. Also, responsible for subdivision or development project plan checks to ensure compliance with the City's standards for construction of new sewer collection systems. Plan checks sewer capacity studies to size proposed sewer lines and sets requirements to ensure adequate capacity in existing systems. Prepares easement documents or identifies and procures access rights for public sewer facilities located within private properties.
- **LACPW – Sewer Maintenance and Environmental Programs Divisions** 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.
- Las Virgenes Municipal Water District – Responsible for the collection and treatment of wastewater for the City and can also assist as first responders for SSOs until CSMD crew arrive.

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 2.3.4a. 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



¹ 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.

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

³ 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>Responsible Party</u> | <u>Name</u> | <u>Telephone</u> | <u>After-Hours Cell Phone</u> |
|---|---------------------|--|-----------------------------------|
| City Engineer/ Environmental Compliance Coordinator | Dirk Lovett | 310-257-2006 | 310-864-6201 |
| Maintenance Crew | Lynne Burns | 818-227-6657 Monday to Friday 9 a.m. to 5 p.m. | 714-906-4162 |
| LA Co. Sheriff Department | Watch Commander | 818-878-1808 | |
| LA Co. Fire Department | Battalion Commander | 818-222-1107 | |
| LA Co. Public Works | 24-hour Dispatch | 626-458-4357 | 800-675-4357 |
| LA Co. Environmental Programs Division | 24-hour Dispatch | 626-458-4357 | 800-675-4357 |
| LA Co. Road Maintenance Division | 24-hour Dispatch | 626-458-4357 | 800-675-4357 |
| LA Co. Health Department | | 213-974-1234 | |
| LA Co. Sanitation District | | (562) 699-7411 | |
| LA Co. Stormwater Maintenance District | | 626-445-7630 | |
| R.W.Q.C.B. (Region 4) | | 213-576-6600 | |
| State O.E.S. | | 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 September 1, 1970, 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 blockage; 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).

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

In accordance with the CMCs, Title 5, Chapter 5-5, Article C-1, adopted the latest edition of the California Plumbing Code (CPC) as the City's Plumbing Code. Per Title 3, Chapter 3, Section 3-3-1 of the CMCs, the City has also adopted the latest Edition of LACO TITLE 20, which regulates sanitary sewers and industrial waste in the County as its Sanitary Sewer and Industrial Waste Use Ordinance. 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, 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 City Manager's/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 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 CPC and LACO TITLE 20, has the legal authority to satisfy this element of the WDRs. Section 1014.1 of the CPC states that where it is determined by the City's waste pretreatment is required, and an approved grease interceptor shall be installed. Section 714.1 of CPC 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.

This prohibition is also contained in LACO TITLE 20, Section 20.36.400. LACO TITLE 20, Section 20.36.560, gives the City Manager/City Engineer 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 City Manager/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.

Under Section 20.24.100 of LACO TITLE 20, the City Manager/City Engineer is empowered to enforce all the requirements prescribed in Division 2, Sanitary Sewers and Industrial Waste, 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 does CMC Section 3-3-2.

LACO TITLE 20, CPC, standard plans, specifications, and other material cited in this chapter are filed at the City Manager's/City Engineer's office.

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 Santa Clarita Yard (Appendix B) located at 21190 Centre Pointe Parkway Santa Clarita, CA 91351 provides sewer services to the City. In addition, personnel from the other four 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 Santa Clarita 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 \$32,295. These funds are managed and administered by the LACPW 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

All pump stations are equipped with a telemetry/alarm system and are inspected at least once a week. Pumps and motors are lubricated, control mechanism 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. Information generated by CADD is printed on Index Map Sheets stored by LACPW, SMD, located at 1000 South Fremont Avenue, Alhambra, California. The Index Maps are also kept at the SMD field yards. The maps are updated, as necessary, to reflect any changes in the system.

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

As described earlier in this document, the City is within the CSMD and participates in the CSMD's Condition Assessment Program. Property owners within the CSMD are assessed an annual fee of \$4 per SU for sewer system condition assessment. This charge is part of the current annual sewer service charge of \$50.50 per SU levied and collected with the property owners' annual tax bills for the CSMD. This charge is reviewed and adjusted annually by the LACPW to raise sufficient funds for the Condition Assessment Program. Under the Condition Assessment Program, the entire sewer collection system within the City is inspected by CCTV to assess the condition of the pipes on a ten-year cycle basis. The CCTV inspection schedule for the City is presented in Appendix E. The Condition Assessment Report for the City is located on the SMD website: <https://pw.lacounty.gov/smd/cctv/city/>. The LACPW is responsible for the management and administration of the funds and program.

The existing City collection sewer facilities are listed in Appendix D. There are currently about 15.28 miles of sewer lines and 2 pumping

stations within the City. The various improvement projects that installed the sewer systems within the City and the dates of completion of the projects are presented in Appendix D. The existing and proposed sewer pipes, ranging from 8- to 10- inches in diameter, are predominantly of vitrified clay pipe material. A very small percentage of the City's sewer pipes are Acrylonitrile Butadiene Styrene Composite Pipe material type. Naturally, as these sewer lines age, structural problems such as cracks, joint separation, root intrusion, etc., will develop. To ensure that these problems are properly mitigated, the WDR requires that the City has a program in place to minimize and correct them and that the program is well funded.

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, at a minimum, is expected to contain the release if possible, and secure 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 6.1.1a and 6.1.1b of this document.

6.1.1a Regulatory Agencies Notification and Time Frame Table

| SSO Category | Type or Description | Agencies to be Notified | Type of Notification and Timeframe | |
|--------------|--|---|--|--|
| | | | Timeframe | Written Report/*Online Database |
| 1 | Any volume of untreated or partially treated SSO: <ul style="list-style-type: none"> Reach surface water and/or drainage channel tributary to surface water Discharge to a storm drain and not fully captured and returned to the sanitary sewer system or not captured and disposed of properly. 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 (≥ 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 (≥ 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. CIWQS Online Database – Upload water quality results. SSO Technical Report – 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. | CIWQS Online Database Initial Report - ASAP but no later than initial 3 business days after we are made aware of it. Final Certified Report – Within 15 calendar days on conclusion of the SSO response and remediation. Additional Information – Anytime in form of an attachment. |
| 2 | ≥ 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 | CIWQS Online Database – 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 | CIWQS Online Database – Certified within 30 days after the end of the calendar month, certified statement that no SSO occurred. |
| NA | Collection System Questionnaire | SWRCB | NA | CIWQS Online Database - Update and certify every 12 months. |

6.1.1b Agency Telephone Numbers

| Agency | Contacts | Hours of Operation |
|---|----------------------------------|---|
| 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 through publication of Annual Reports, brochures, and individual notices to property owners. LACPW Sewer Maintenance and Industrial Waste Management Program 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 initiate 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 webpage (<https://hiddenhillscity.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

Currently, the City has no restaurants within its jurisdiction and the City's FOG prevention measures are currently adequate. If FOG should become an issue in the future, the City will work with the CSMD to enhance FOG discharge prohibitions consistent with CSMD existing procedures and the Orders.

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

Ordinance

Currently the City does not have any restaurants within their jurisdiction. Should their situation change, LACO TITLE 20, Section 20.24.090, as adopted by the City, gives the City Manager/City Engineer the authority to inspect grease-producing facilities for compliance with permit requirements.

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/City Engineer 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 City Manager/City Engineer. During construction, the projects are continuously inspected by the City Manager/City Engineer 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' compliance actions during the audit period. The most recent report of the audit must be kept on file in the City Manager's/City Engineer's office.

10.2 SSMP Certification

The SSMP shall be certified by the City Manager/City Engineer 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 home webpage, for conveying this information.

11.2 SSMP Availability

Copies of the SSMP will be maintained in the City Manager's/City Engineer's office and posted in the City's home webpage. The document shall also be made readily available to the RWQCB (Regions 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 | | | 219 |
| 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 |
| TOTALS: | 37 | 37 | 2 | 16 | 28 | 6 | 1,340,427 |

* 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 | Hidden Hills | 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 | | | |
| 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 | County support role |
| 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: _____
Print Name Signature Date

SMD Authorized Representative: _____
Print Name Signature Date

APPENDIX A

WASTE DISCHARGE REQUIREMENTS

**STATE WATER RESOURCES CONTROL BOARD
ORDER NO. 2006-0003**

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

The State Water Resources Control Board, hereinafter referred to as "State Water Board", finds that:

1. All federal and state agencies, municipalities, counties, districts, and other public entities that own or operate sanitary sewer systems greater than one mile in length that collect and/or convey untreated or partially treated wastewater to a publicly owned treatment facility in the State of California are required to comply with the terms of this Order. Such entities are hereinafter referred to as "Enrollees".
2. Sanitary sewer overflows (SSOs) are overflows from sanitary sewer systems of domestic wastewater, as well as industrial and commercial wastewater, depending on the pattern of land uses in the area served by the sanitary sewer system. SSOs often contain high levels of suspended solids, pathogenic organisms, toxic pollutants, nutrients, oxygen-demanding organic compounds, oil and grease and other pollutants. SSOs may cause a public nuisance, particularly when raw untreated wastewater is discharged to areas with high public exposure, such as streets or surface waters used for drinking, fishing, or body contact recreation. SSOs may pollute surface or ground waters, threaten public health, adversely affect aquatic life, and impair the recreational use and aesthetic enjoyment of surface waters.
3. 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. 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.
4. Major causes of SSOs include: grease blockages, root blockages, sewer line flood damage, manhole structure failures, vandalism, pump station mechanical failures, power outages, excessive storm or ground water inflow/infiltration, debris blockages, sanitary sewer system age and construction material failures, lack of proper operation and maintenance, insufficient capacity and contractor-caused damages. Many SSOs are preventable with adequate and appropriate facilities, source control measures and operation and maintenance of the sanitary sewer system.

SEWER SYSTEM MANAGEMENT PLANS

5. To facilitate proper funding and management of sanitary sewer systems, each Enrollee must develop and implement a system-specific Sewer System Management Plan (SSMP). To be effective, SSMPs must include provisions to provide proper and efficient management, operation, and maintenance of sanitary sewer systems, while taking into consideration risk management and cost benefit analysis. Additionally, an SSMP must contain a spill response plan that establishes standard procedures for immediate response to an SSO in a manner designed to minimize water quality impacts and potential nuisance conditions.
6. Many local public agencies in California have already developed SSMPs and implemented measures to reduce SSOs. These entities can build upon their existing efforts to establish a comprehensive SSMP consistent with this Order. Others, however, still require technical assistance and, in some cases, funding to improve sanitary sewer system operation and maintenance in order to reduce SSOs.
7. SSMP certification by technically qualified and experienced persons can provide a useful and cost-effective means for ensuring that SSMPs are developed and implemented appropriately.
8. It is the State Water Board's intent to gather additional information on the causes and sources of SSOs to augment existing information and to determine the full extent of SSOs and consequent public health and/or environmental impacts occurring in the State.
9. Both uniform SSO reporting and a centralized statewide electronic database are needed to collect information to allow the State Water Board and Regional Water Quality Control Boards (Regional Water Boards) to effectively analyze the extent of SSOs statewide and their potential impacts on beneficial uses and public health. The monitoring and reporting program required by this Order and the attached **Monitoring and Reporting Program No. 2006-0003**, are necessary to assure compliance with these waste discharge requirements (WDRs).
10. Information regarding SSOs must be provided to Regional Water Boards and other regulatory agencies in a timely manner and be made available to the public in a complete, concise, and timely fashion.
11. Some Regional Water Boards have issued WDRs or WDRs that serve as National Pollution Discharge Elimination System (NPDES) permits to sanitary sewer system owners/operators within their jurisdictions. This Order establishes minimum requirements to prevent SSOs. Although it is the State Water Board's intent that this Order be the primary regulatory mechanism for sanitary sewer systems statewide, Regional Water Boards may issue more stringent or more

prescriptive WDRs for sanitary sewer systems. Upon issuance or reissuance of a Regional Water Board's WDRs for a system subject to this Order, the Regional Water Board shall coordinate its requirements with stated requirements within this Order, to identify requirements that are more stringent, to remove requirements that are less stringent than this Order, and to provide consistency in reporting.

REGULATORY CONSIDERATIONS

12. California Water Code section 13263 provides that the State Water Board may prescribe general WDRs 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 discharge requirements than individual discharge requirements.

This Order establishes requirements for a class of operations, facilities, and discharges that are similar throughout the state.

13. The issuance of general WDRs to the Enrollees will:

- a) Reduce the administrative burden of issuing individual WDRs to each Enrollee;
- b) Provide for a unified statewide approach for the reporting and database tracking of SSOs;
- c) Establish consistent and uniform requirements for SSMP development and implementation;
- d) Provide statewide consistency in reporting; and
- e) Facilitate consistent enforcement for violations.

14. The beneficial uses of surface waters that can be impaired by SSOs include, but are not limited to, aquatic life, drinking water supply, body contact and non-contact recreation, and aesthetics. The beneficial uses of ground water that can be impaired include, but are not limited to, drinking water and agricultural supply. Surface and ground waters throughout the state support these uses to varying degrees.

15. The implementation of requirements set forth in this Order will ensure 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 region and take into account the environmental characteristics of 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 in the area, costs associated with compliance with these requirements, the need for developing housing within California, and the need to develop and use recycled water.

16. The Federal Clean Water Act largely prohibits any discharge of pollutants from a point source to waters of the United States except as authorized under an NPDES permit. In general, any point source discharge of sewage effluent to waters of the United States must comply with technology-based, secondary treatment standards, at a minimum, and any more stringent requirements necessary to meet applicable water quality standards and other requirements. Hence, the unpermitted discharge of wastewater from a sanitary sewer system to waters of the United States is illegal under the Clean Water Act. In addition, many Basin Plans adopted by the Regional Water Boards contain discharge prohibitions that apply to the discharge of untreated or partially treated wastewater. Finally, the California Water Code generally prohibits the discharge of waste to land prior to the filing of any required report of waste discharge and the subsequent issuance of either WDRs or a waiver of WDRs.
17. California Water Code section 13263 requires a water board to, after any necessary hearing, prescribe requirements as to the nature of any proposed discharge, existing discharge, or material change in an existing discharge. The requirements shall, among other things, take into consideration the need to prevent nuisance.
18. California Water Code section 13050, subdivision (m), defines nuisance as anything which meets all of the following requirements:
 - a. 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.
 - b. 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.
 - c. Occurs during, or as a result of, the treatment or disposal of wastes.
19. This Order is consistent with State Water Board Resolution No. 68-16 (Statement of Policy with Respect to Maintaining High Quality of Waters in California) in that the Order imposes conditions to prevent impacts to water quality, does not allow the degradation of water quality, will not unreasonably affect beneficial uses of water, and will not result in water quality less than prescribed in State Water Board or Regional Water Board plans and policies.
20. The action to adopt this General Order is exempt from the California Environmental Quality Act (Public Resources Code §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., tit. 14, §15308). In addition, the action to adopt

this Order is exempt from CEQA pursuant to Cal.Code Regs., title 14, §15301 to the extent that it applies to existing sanitary sewer collection systems that constitute “existing facilities” as that term is used in Section 15301, and §15302, to the extent that it results in the repair or replacement of existing systems involving negligible or no expansion of capacity.

21. The Fact Sheet, which is incorporated by reference in the Order, contains supplemental information that was also considered in establishing these requirements.
22. The State Water Board has notified all affected public agencies and all known interested persons of the intent to prescribe general WDRs that require Enrollees to develop SSMPs and to report all SSOs.
23. The State Water Board conducted a public hearing on February 8, 2006, to receive oral and written comments on the draft order. The State Water Board received and considered, at its May 2, 2006, meeting, additional public comments on substantial changes made to the proposed general WDRs following the February 8, 2006, public hearing. The State Water Board has considered all comments pertaining to the proposed general WDRs.

IT IS HEREBY ORDERED, that pursuant to California Water Code section 13263, the Enrollees, their agents, successors, and assigns, in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted hereunder, shall comply with the following:

A. DEFINITIONS

1. **Sanitary sewer overflow (SSO)** - Any overflow, spill, release, discharge or diversion of untreated or partially treated wastewater from a sanitary sewer system. SSOs include:
 - (i) Overflows or releases of untreated or partially treated wastewater that reach waters of the United States;
 - (ii) Overflows or releases of untreated or partially treated wastewater that do not reach waters of the United States; and
 - (iii) Wastewater backups into buildings and on private property that are caused by blockages or flow conditions within the publicly owned portion of a sanitary sewer system.
2. **Sanitary sewer system** – Any system of pipes, pump stations, sewer lines, or other conveyances, upstream of a wastewater treatment plant headworks used to collect and convey wastewater to the publicly owned treatment facility. Temporary storage and conveyance facilities (such as vaults, temporary piping, construction trenches, wet wells, impoundments, tanks, etc.) are considered to be part of the sanitary sewer system, and discharges into these temporary storage facilities are not considered to be SSOs.

For purposes of this Order, sanitary sewer systems include only those systems owned by public agencies that are comprised of more than one mile of pipes or sewer lines.

3. **Enrollee** - A federal or state agency, municipality, county, district, and other public entity that owns or operates a sanitary sewer system, as defined in the general WDRs, and that has submitted a complete and approved application for coverage under this Order.
4. **SSO Reporting System** – Online spill reporting system that is hosted, controlled, and maintained by the State Water Board. The web address for this site is <http://ciwqs.waterboards.ca.gov>. This online database is maintained on a secure site and is controlled by unique usernames and passwords.
5. **Untreated or partially treated wastewater** – Any volume of waste discharged from the sanitary sewer system upstream of a wastewater treatment plant headworks.
6. **Satellite collection system** – The portion, if any, of a sanitary sewer system owned or operated by a different public agency than the agency that owns and operates the wastewater treatment facility to which the sanitary sewer system is tributary.
7. **Nuisance** - California Water Code section 13050, subdivision (m), defines nuisance as anything which meets all of the following requirements:
 - a. 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.
 - b. 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.
 - c. Occurs during, or as a result of, the treatment or disposal of wastes.

B. APPLICATION REQUIREMENTS

1. **Deadlines for Application** – All public agencies that currently own or operate sanitary sewer systems within the State of California must apply for coverage under the general WDRs within six (6) months of the date of adoption of the general WDRs. Additionally, public agencies that acquire or assume responsibility for operating sanitary sewer systems after the date of adoption of this Order must apply for coverage under the general WDRs at least three (3) months prior to operation of those facilities.
2. **Applications under the general WDRs** – In order to apply for coverage pursuant to the general WDRs, a legally authorized representative for each agency must submit a complete application package. Within sixty (60) days of adoption of the general WDRs, State Water Board staff will send specific instructions on how to

apply for coverage under the general WDRs to all known public agencies that own sanitary sewer systems. Agencies that do not receive notice may obtain applications and instructions online on the Water Board's website.

3. Coverage under the general WDRs – Permit coverage will be in effect once a complete application package has been submitted and approved by the State Water Board's Division of Water Quality.

C. PROHIBITIONS

1. Any SSO that results in a discharge of untreated or partially treated wastewater to waters of the United States is prohibited.
2. Any SSO that results in a discharge of untreated or partially treated wastewater that creates a nuisance as defined in California Water Code Section 13050(m) is prohibited.

D. PROVISIONS

1. The Enrollee must comply with all conditions of this Order. Any noncompliance with this Order constitutes a violation of the California Water Code and is grounds for enforcement action.
2. It is the intent of the State Water Board that sanitary sewer systems be regulated in a manner consistent with the general WDRs. Nothing in the general WDRs shall be:
 - (i) Interpreted or applied in a manner inconsistent with the Federal Clean Water Act, or supersede a more specific or more stringent state or federal requirement in an existing permit, regulation, or administrative/judicial order or Consent Decree;
 - (ii) Interpreted or applied to authorize an SSO that is illegal under either the Clean Water Act, an applicable Basin Plan prohibition or water quality standard, or the California Water Code;
 - (iii) Interpreted or applied to prohibit a Regional Water Board from issuing an individual NPDES permit or WDR, superseding this general WDR, for a sanitary sewer system, authorized under the Clean Water Act or California Water Code; or
 - (iv) Interpreted or applied to supersede any more specific or more stringent WDRs or enforcement order issued by a Regional Water Board.
3. The Enrollee shall take all feasible steps to eliminate SSOs. In the event that an SSO does occur, the Enrollee shall take all feasible steps to contain and mitigate the impacts of an SSO.
4. In the event of an SSO, the Enrollee shall take all feasible steps to prevent untreated or partially treated wastewater from discharging from storm drains into

flood control channels or waters of the United States by blocking the storm drainage system and by removing the wastewater from the storm drains.

5. All SSOs must be reported in accordance with Section G of the general WDRs.
6. In any enforcement action, the State and/or Regional Water Boards will consider the appropriate factors under the duly adopted State Water Board Enforcement Policy. And, consistent with the Enforcement Policy, the State and/or Regional Water Boards must consider the Enrollee's efforts to contain, control, and mitigate SSOs when considering the California Water Code Section 13327 factors. In assessing these factors, the State and/or Regional Water Boards will also consider whether:
 - (i) The Enrollee has complied with the requirements of this Order, including requirements for reporting and developing and implementing a SSMP;
 - (ii) The Enrollee can identify the cause or likely cause of the discharge event;
 - (iii) There were no feasible alternatives to the discharge, such as temporary storage or retention of untreated wastewater, reduction of inflow and infiltration, use of adequate backup equipment, collecting and hauling of untreated wastewater to a treatment facility, or an increase in the capacity of the system as necessary to contain the design storm event identified in the SSMP. It is inappropriate to consider the lack of feasible alternatives, if the Enrollee does not implement a periodic or continuing process to identify and correct problems.
 - (iv) The discharge was exceptional, unintentional, temporary, and caused by factors beyond the reasonable control of the Enrollee;
 - (v) The discharge could have been prevented by the exercise of reasonable control described in a certified SSMP for:
 - Proper management, operation and maintenance;
 - Adequate treatment facilities, sanitary sewer system facilities, and/or components with an appropriate design capacity, to reasonably prevent SSOs (e.g., adequately enlarging treatment or collection facilities to accommodate growth, infiltration and inflow (I/I), etc.);
 - Preventive maintenance (including cleaning and fats, oils, and grease (FOG) control);
 - Installation of adequate backup equipment; and
 - Inflow and infiltration prevention and control to the extent practicable.
 - (vi) The sanitary sewer system design capacity is appropriate to reasonably prevent SSOs.

- (vii) The Enrollee took all reasonable steps to stop and mitigate the impact of the discharge as soon as possible.
7. When a sanitary sewer overflow occurs, the Enrollee shall take all feasible steps and necessary remedial actions to 1) control or limit the volume of untreated or partially treated wastewater discharged, 2) terminate the discharge, and 3) recover as much of the wastewater discharged as possible for proper disposal, including any wash down water.

The Enrollee shall implement all remedial actions to the extent they may be applicable to the discharge and not inconsistent with an emergency response plan, including the following:

- (i) Interception and rerouting of untreated or partially treated wastewater flows around the wastewater line failure;
 - (ii) Vacuum truck recovery of sanitary sewer overflows and wash down water;
 - (iii) Cleanup of debris at the overflow site;
 - (iv) System modifications to prevent another SSO at the same location;
 - (v) Adequate sampling to determine the nature and impact of the release; and
 - (vi) Adequate public notification to protect the public from exposure to the SSO.
8. The Enrollee shall properly, manage, operate, and maintain all parts of the sanitary sewer system owned or operated by the Enrollee, and shall ensure that the system operators (including employees, contractors, or other agents) are adequately trained and possess adequate knowledge, skills, and abilities.
9. The Enrollee shall allocate adequate resources for the operation, maintenance, and repair of its sanitary sewer system, by establishing a proper rate structure, accounting mechanisms, and auditing procedures to ensure an adequate measure of revenues and expenditures. These procedures must be in compliance with applicable laws and regulations and comply with generally acceptable accounting practices.
10. The Enrollee shall provide adequate capacity to convey base flows and peak flows, including flows related to wet weather events. Capacity shall meet or exceed the design criteria as defined in the Enrollee's System Evaluation and Capacity Assurance Plan for all parts of the sanitary sewer system owned or operated by the Enrollee.
11. The Enrollee shall develop and implement a written Sewer System Management Plan (SSMP) and make it available to the State and/or Regional Water Board upon request. A copy of this document must be publicly available at the Enrollee's office and/or available on the Internet. This SSMP must be approved by the Enrollee's governing board at a public meeting.

12. In accordance with the California Business and Professions Code sections 6735, 7835, and 7835.1, all engineering and geologic evaluations and judgments shall be performed by or under the direction of registered professionals competent and proficient in the fields pertinent to the required activities. Specific elements of the SSMP that require professional evaluation and judgments shall be prepared by or under the direction of appropriately qualified professionals, and shall bear the professional(s)' signature and stamp.
13. The mandatory elements of the SSMP are specified below. However, if the Enrollee believes that any element of this section is not appropriate or applicable to the Enrollee's sanitary sewer system, the SSMP program does not need to address that element. The Enrollee must justify why that element is not applicable. The SSMP must be approved by the deadlines listed in the SSMP Time Schedule below.

Sewer System Management Plan (SSMP)

- (i) **Goal:** The goal of the SSMP is to provide a plan and schedule to properly manage, operate, and maintain all parts of the sanitary sewer system. This will help reduce and prevent SSOs, as well as mitigate any SSOs that do occur.
- (ii) **Organization:** The SSMP must identify:
 - (a) The name of the responsible or authorized representative as described in Section J of this Order.
 - (b) The names and telephone numbers for management, administrative, and maintenance positions responsible for implementing specific measures in the SSMP program. The SSMP must identify lines of authority through an organization chart or similar document with a narrative explanation; and
 - (c) The chain of communication for reporting SSOs, from receipt of a complaint or other information, including the person responsible for reporting SSOs to the State and Regional Water Board and other agencies if applicable (such as County Health Officer, County Environmental Health Agency, Regional Water Board, and/or State Office of Emergency Services (OES)).
- (iii) **Legal Authority:** Each Enrollee must demonstrate, through sanitary sewer system use ordinances, service agreements, or other legally binding procedures, that it possesses the necessary legal authority to:
 - (a) Prevent illicit discharges into its sanitary sewer system (examples may include I/I, stormwater, chemical dumping, unauthorized debris and cut roots, etc.);

- (b) Require that sewers and connections be properly designed and constructed;
 - (c) Ensure access for maintenance, inspection, or repairs for portions of the lateral owned or maintained by the Public Agency;
 - (d) Limit the discharge of fats, oils, and grease and other debris that may cause blockages, and
 - (e) Enforce any violation of its sewer ordinances.
- (iv) **Operation and Maintenance Program.** The SSMP must include those elements listed below that are appropriate and applicable to the Enrollee's system:
- (a) Maintain an up-to-date map of the sanitary sewer system, showing all gravity line segments and manholes, pumping facilities, pressure pipes and valves, and applicable stormwater conveyance facilities;
 - (b) Describe routine preventive operation and maintenance activities by staff and contractors, including a system for scheduling regular maintenance and cleaning of the sanitary sewer system with more frequent cleaning and maintenance targeted at known problem areas. The Preventative Maintenance (PM) program should have a system to document scheduled and conducted activities, such as work orders;
 - (c) Develop a rehabilitation and replacement plan to identify and prioritize system deficiencies and implement short-term and long-term rehabilitation actions to address each deficiency. The program should include regular visual and TV inspections of manholes and sewer pipes, and a system for ranking the condition of sewer pipes and scheduling rehabilitation. Rehabilitation and replacement should focus on sewer pipes that are at risk of collapse or prone to more frequent blockages due to pipe defects. Finally, the rehabilitation and replacement plan should include a capital improvement plan that addresses proper management and protection of the infrastructure assets. The plan shall include a time schedule for implementing the short- and long-term plans plus a schedule for developing the funds needed for the capital improvement plan;
 - (d) Provide training on a regular basis for staff in sanitary sewer system operations and maintenance, and require contractors to be appropriately trained; and

- (e) Provide equipment and replacement part inventories, including identification of critical replacement parts.

(v) **Design and Performance Provisions:**

- (a) Design and construction standards and specifications for the installation of new sanitary sewer systems, pump stations and other appurtenances; and for the rehabilitation and repair of existing sanitary sewer systems; and
 - (b) Procedures and standards for inspecting and testing the installation of new sewers, pumps, and other appurtenances and for rehabilitation and repair projects.
- (vi) **Overflow Emergency Response Plan** - Each Enrollee shall develop and implement an overflow emergency response plan that identifies measures to protect public health and the environment. At a minimum, this plan must include the following:
- (a) Proper notification procedures so that the primary responders and regulatory agencies are informed of all SSOs in a timely manner;
 - (b) A program to ensure an appropriate response to all overflows;
 - (c) Procedures to ensure prompt notification to appropriate regulatory agencies and other potentially affected entities (e.g. health agencies, Regional Water Boards, water suppliers, etc.) of all SSOs that potentially affect public health or reach the waters of the State in accordance with the MRP. All SSOs shall be reported in accordance with this MRP, the California Water Code, other State Law, and other applicable Regional Water Board WDRs or NPDES permit requirements. The SSMP should identify the officials who will receive immediate notification;
 - (d) Procedures to ensure that appropriate staff and contractor personnel are aware of and follow the Emergency Response Plan and are appropriately trained;
 - (e) Procedures to address emergency operations, such as traffic and crowd control and other necessary response activities; and
 - (f) A program to ensure that all reasonable steps are taken to contain and prevent the discharge of untreated and partially treated wastewater to waters of the United States and to minimize or correct any adverse impact on the environment resulting from the SSOs, including such accelerated or additional monitoring as may be necessary to determine the nature and impact of the discharge.

(vii) **FOG Control Program:** Each Enrollee shall evaluate its service area to determine whether a FOG control program is needed. If an Enrollee determines that a FOG program is not needed, the Enrollee must provide justification for why it is not needed. If FOG is found to be a problem, the Enrollee must prepare and implement a FOG source control program to reduce the amount of these substances discharged to the sanitary sewer system. This plan shall include the following as appropriate:

- (a) An implementation plan and schedule for a public education outreach program that promotes proper disposal of FOG;
- (b) A plan and schedule for the disposal of FOG 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 FOG generated within a sanitary sewer system service area;
- (c) The legal authority to prohibit discharges to the system and identify measures to prevent SSOs and blockages caused by FOG;
- (d) Requirements to install grease removal devices (such as traps or interceptors), design standards for the removal devices, maintenance requirements, BMP requirements, record keeping and reporting requirements;
- (e) Authority to inspect grease producing facilities, enforcement authorities, and whether the Enrollee has sufficient staff to inspect and enforce the FOG ordinance;
- (f) An identification of sanitary sewer system sections subject to FOG blockages and establishment of a cleaning maintenance schedule for each section; and
- (g) Development and implementation of source control measures for all sources of FOG discharged to the sanitary sewer system for each section identified in (f) above.

(viii) **System Evaluation and Capacity Assurance Plan:** The Enrollee shall prepare and implement a capital improvement plan (CIP) that will provide hydraulic capacity of key sanitary sewer system elements for dry weather peak flow conditions, as well as the appropriate design storm or wet weather event. At a minimum, the plan must include:

- (a) **Evaluation:** Actions needed to evaluate those portions of the sanitary sewer system that are experiencing or contributing to an SSO discharge caused by hydraulic deficiency. The evaluation must provide estimates of peak flows (including flows from SSOs

that escape from the system) associated with conditions similar to those causing overflow events, estimates of the capacity of key system components, hydraulic deficiencies (including components of the system with limiting capacity) and the major sources that contribute to the peak flows associated with overflow events;

- (b) **Design Criteria:** Where design criteria do not exist or are deficient, undertake the evaluation identified in (a) above to establish appropriate design criteria; and
 - (c) **Capacity Enhancement Measures:** The steps needed to establish a short- and long-term CIP to address identified hydraulic deficiencies, including prioritization, alternatives analysis, and schedules. The CIP may include increases in pipe size, I/I reduction programs, increases and redundancy in pumping capacity, and storage facilities. The CIP shall include an implementation schedule and shall identify sources of funding.
 - (d) **Schedule:** The Enrollee shall develop a schedule of completion dates for all portions of the capital improvement program developed in (a)-(c) above. This schedule shall be reviewed and updated consistent with the SSMP review and update requirements as described in Section D. 14.
- (ix) **Monitoring, Measurement, and Program Modifications:** The Enrollee shall:
- (a) Maintain relevant information that can be used to establish and prioritize appropriate SSMP activities;
 - (b) Monitor the implementation and, where appropriate, measure the effectiveness of each element of the SSMP;
 - (c) Assess the success of the preventative maintenance program;
 - (d) Update program elements, as appropriate, based on monitoring or performance evaluations; and
 - (e) Identify and illustrate SSO trends, including: frequency, location, and volume.
- (x) **SSMP Program Audits** - As part of the SSMP, the Enrollee shall conduct periodic internal audits, appropriate to the size of the system and the number of SSOs. At a minimum, these audits must occur every two years and a report must be prepared and kept on file. This audit shall focus on evaluating the effectiveness of the SSMP and the

Enrollee's compliance with the SSMP requirements identified in this subsection (D.13), including identification of any deficiencies in the SSMP and steps to correct them.

- (xi) **Communication Program** – The Enrollee shall communicate on a regular basis with the public on the development, implementation, and performance of its SSMP. The communication system shall provide the public the opportunity to provide input to the Enrollee as the program is developed and implemented.

The Enrollee shall also create a plan of communication with systems that are tributary and/or satellite to the Enrollee's sanitary sewer system.

14. Both the SSMP and the Enrollee's program to implement the SSMP must be certified by the Enrollee to be in compliance with the requirements set forth above and must be presented to the Enrollee's governing board for approval at a public meeting. The Enrollee shall certify that the SSMP, and subparts thereof, are in compliance with the general WDRs within the time frames identified in the time schedule provided in subsection D.15, below.

In order to complete this certification, the Enrollee's authorized representative must complete the certification portion in the Online SSO Database Questionnaire by checking the appropriate milestone box, printing and signing the automated form, and sending the form to:

State Water Resources Control Board
Division of Water Quality
Attn: SSO Program Manager
P.O. Box 100
Sacramento, CA 95812

The SSMP must be updated every five (5) years, and must include any significant program changes. Re-certification by the governing board of the Enrollee is required in accordance with D.14 when significant updates to the SSMP are made. To complete the re-certification process, the Enrollee shall enter the data in the Online SSO Database and mail the form to the State Water Board, as described above.

15. The Enrollee shall comply with these requirements according to the following schedule. This time schedule does not supersede existing requirements or time schedules associated with other permits or regulatory requirements.

Sewer System Management Plan Time Schedule

| <u>Task and Associated Section</u> | Completion Date | | | |
|---|--|--|--|--|
| | Population > 100,000 | Population between 100,000 and 10,000 | Population between 10,000 and 2,500 | Population < 2,500 |
| Application for Permit Coverage Section C | 6 months after WDRs Adoption | | | |
| Reporting Program Section G | 6 months after WDRs Adoption ¹ | | | |
| SSMP Development Plan and Schedule No specific Section | 9 months after WDRs Adoption ² | 12 months after WDRs Adoption ² | 15 months after WDRs Adoption ² | 18 months after WDRs Adoption ² |
| Goals and Organization Structure Section D 13 (i) & (ii) | 12 months after WDRs Adoption ² | | 18 months after WDRs Adoption ² | |
| Overflow Emergency Response Program Section D 13 (vi) | 24 months after WDRs Adoption ² | 30 months after WDRs Adoption ² | 36 months after WDRs Adoption ² | 39 months after WDRs Adoption ² |
| Legal Authority Section D 13 (iii) | | | | |
| Operation and Maintenance Program Section D 13 (iv) | | | | |
| Grease Control Program Section D 13 (vii) | | | | |
| Design and Performance Section D 13 (v) | 36 months after WDRs Adoption | 39 months after WDRs Adoption | 48 months after WDRs Adoption | 51 months after WDRs Adoption |
| System Evaluation and Capacity Assurance Plan Section D 13 (viii) | | | | |
| Final SSMP, incorporating all of the SSMP requirements Section D 13 | | | | |

1. In the event that by July 1, 2006 the Executive Director is able to execute a memorandum of agreement (MOA) with the California Water Environment Association (CWEA) or discharger representatives outlining a strategy and time schedule for CWEA or another entity to provide statewide training on the adopted monitoring program, SSO database electronic reporting, and SSMP development, consistent with this Order, then the schedule of Reporting Program Section G shall be replaced with the following schedule:

| | |
|---------------------------------------|-------------------------------|
| Reporting Program Section G | |
| Regional Boards 4, 8, and 9 | 8 months after WDRs Adoption |
| Regional Boards 1, 2, and 3 | 12 months after WDRs Adoption |
| Regional Boards 5, 6, and 7 | 16 months after WDRs Adoption |

If this MOU is not executed by July 1, 2006, the reporting program time schedule will remain six (6) months for all regions and agency size categories.

2. In the event that the Executive Director executes the MOA identified in note 1 by July 1, 2006, then the deadline for this task shall be extended by six (6) months. The time schedule identified in the MOA must be consistent with the extended time schedule provided by this note. If the MOA is not executed by July 1, 2006, the six (6) month time extension will not be granted.

E. WDRs and SSMP AVAILABILITY

1. A copy of the general WDRs and the certified SSMP shall be maintained at appropriate locations (such as the Enrollee's offices, facilities, and/or Internet homepage) and shall be available to sanitary sewer system operating and maintenance personnel at all times.

F. ENTRY AND INSPECTION

1. The Enrollee shall allow the State or Regional Water Boards or their authorized representative, upon presentation of credentials and other documents as may be required by law, to:
 - a. Enter upon the Enrollee's premises where a regulated facility or activity is located or conducted, or where records are kept under the conditions of this Order;
 - b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Order;

- c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Order; and
- d. Sample or monitor at reasonable times, for the purposes of assuring compliance with this Order or as otherwise authorized by the California Water Code, any substances or parameters at any location.

G. GENERAL MONITORING AND REPORTING REQUIREMENTS

1. The Enrollee shall furnish to the State or Regional Water Board, within a reasonable time, any information that the State or Regional Water Board may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this Order. The Enrollee shall also furnish to the Executive Director of the State Water Board or Executive Officer of the applicable Regional Water Board, upon request, copies of records required to be kept by this Order.
2. The Enrollee shall comply with the attached Monitoring and Reporting Program No. 2006-0003 and future revisions thereto, as specified by the Executive Director. Monitoring results shall be reported at the intervals specified in Monitoring and Reporting Program No. 2006-0003. Unless superseded by a specific enforcement Order for a specific Enrollee, these reporting requirements are intended to replace other mandatory routine written reports associated with SSOs.
3. All Enrollees must obtain SSO Database accounts and receive a "Username" and "Password" by registering through the California Integrated Water Quality System (CIWQS). These accounts will allow controlled and secure entry into the SSO Database. Additionally, within 30 days of receiving an account and prior to recording spills into the SSO Database, all Enrollees must complete the "Collection System Questionnaire", which collects pertinent information regarding a Enrollee's collection system. The "Collection System Questionnaire" must be updated at least every 12 months.
4. Pursuant to Health and Safety Code section 5411.5, any person who, without regard to intent or negligence, causes or permits any untreated wastewater or other waste to be discharged in or on any waters of the State, or discharged in or deposited where it is, or probably will be, discharged in or on any surface waters of the State, as soon as that person has knowledge of the discharge, shall immediately notify the local health officer of the discharge. Discharges of untreated or partially treated wastewater to storm drains and drainage channels, whether man-made or natural or concrete-lined, shall be reported as required above.

Any SSO greater than 1,000 gallons discharged in or on any waters of the State, or discharged in or deposited where it is, or probably will be, discharged in or on any surface waters of the State shall also be reported to the Office of Emergency Services pursuant to California Water Code section 13271.

H. CHANGE IN OWNERSHIP

1. This Order is not transferable to any person or party, except after notice to the Executive Director. The Enrollee shall submit this notice in writing at least 30 days in advance of any proposed transfer. The notice must include a written agreement between the existing and new Enrollee containing a specific date for the transfer of this Order's responsibility and coverage between the existing Enrollee and the new Enrollee. This agreement shall include an acknowledgement that the existing Enrollee is liable for violations up to the transfer date and that the new Enrollee is liable from the transfer date forward.

I. INCOMPLETE REPORTS

1. If an Enrollee becomes aware that it failed to submit any relevant facts in any report required under this Order, the Enrollee shall promptly submit such facts or information by formally amending the report in the Online SSO Database.

J. REPORT DECLARATION

1. All applications, reports, or information shall be signed and certified as follows:
 - (i) All reports required by this Order and other information required by the State or Regional Water Board shall be signed and certified by a person designated, for a municipality, state, federal or other public agency, as either a principal executive officer or ranking elected official, or by a duly authorized representative of that person, as described in paragraph (ii) of this provision. (For purposes of electronic reporting, an electronic signature and accompanying certification, which is in compliance with the Online SSO database procedures, meet this certification requirement.)
 - (ii) An individual is a duly authorized representative only if:
 - (a) The authorization is made in writing by a person described in paragraph (i) of this provision; and
 - (b) The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity.

K. CIVIL MONETARY REMEDIES FOR DISCHARGE VIOLATIONS

1. The California Water Code provides various enforcement options, including civil monetary remedies, for violations of this Order.
2. The California Water Code also provides that any person failing or refusing to furnish technical or monitoring program reports, as required under this Order, or

falsifying any information provided in the technical or monitoring reports is subject to civil monetary penalties.

L. SEVERABILITY

1. The provisions of this Order are severable, and 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.
2. This 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, nor protect the Enrollee from liability under federal, state or local laws, nor create a vested right for the Enrollee to continue the waste discharge.

CERTIFICATION

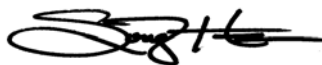
The undersigned Clerk to the State Water Board does hereby certify that the foregoing is a full, true, and correct copy of general WDRs duly and regularly adopted at a meeting of the State Water Resources Control Board held on May 2, 2006.

AYE: Tam M. Doduc
Gerald D. Secundy

NO: Arthur G. Baggett

ABSENT: None

ABSTAIN: None



Song Her
Clerk to the Board

STATE OF CALIFORNIA
WATER RESOURCES CONTROL BOARD
ORDER NO. WQ 2013-0058-EXEC

AMENDING MONITORING AND REPORTING PROGRAM
FOR
STATEWIDE GENERAL WASTE DISCHARGE REQUIREMENTS FOR
SANITARY SEWER SYSTEMS

The State of California, Water Resources Control Board (hereafter State Water Board) finds:

1. The State Water Board is authorized to prescribe statewide general Waste Discharge Requirements (WDRs) for categories of discharges that involve the same or similar operations and the same or similar types of waste pursuant to Water Code section 13263(i).
2. Water Code section 13193 *et seq.* requires the Regional Water Quality Control Boards (Regional Water Boards) and the State Water Board (collectively, the Water Boards) to gather Sanitary Sewer Overflow (SSO) information and make this information available to the public, including but not limited to, SSO cause, estimated volume, location, date, time, duration, whether or not the SSO reached or may have reached waters of the state, response and corrective action taken, and an enrollee's contact information for each SSO event. An enrollee is defined as the public entity having legal authority over the operation and maintenance of, or capital improvements to, a sanitary sewer system greater than one mile in length.
3. Water Code section 13271, *et seq.* requires notification to the California Office of Emergency Services (Cal OES), formerly the California Emergency Management Agency, for certain unauthorized discharges, including SSOs.
4. On May 2, 2006, the State Water Board adopted Order 2006-0003-DWQ, "Statewide Waste Discharge Requirements for Sanitary Sewer Systems"¹ (hereafter SSS WDRs) to comply with Water Code section 13193 and to establish the framework for the statewide SSO Reduction Program.
5. Subsection G.2 of the SSS WDRs and the Monitoring and Reporting Program (MRP) provide that the Executive Director may modify the terms of the MRP at any time.
6. On February 20, 2008, the State Water Board Executive Director adopted a revised MRP for the SSS WDRs to rectify early notification deficiencies and ensure that first responders are notified in a timely manner of SSOs discharged into waters of the state.
7. When notified of an SSO that reaches a drainage channel or surface water of the state, Cal OES, pursuant to Water Code section 13271(a)(3), forwards the SSO notification information² to local government agencies and first responders including local public health officials and the applicable Regional Water Board. Receipt of notifications for a single SSO event from both the SSO reporter

¹ Available for download at:

http://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2006/wqo/wqo2006_0003.pdf

² Cal OES Hazardous Materials Spill Reports available Online at:

[http://w3.calema.ca.gov/operational/mal haz.nsf/\\$defaultview](http://w3.calema.ca.gov/operational/mal haz.nsf/$defaultview) and <http://w3.calema.ca.gov/operational/mal haz.nsf>

and Cal OES is duplicative. To address this, the SSO notification requirements added by the February 20, 2008 MRP revision are being removed in this MRP revision.

8. In the February 28, 2008 Memorandum of Agreement between the State Water Board and the California Water and Environment Association (CWEA), the State Water Board committed to re-designing the CIWQS³ Online SSO Database to allow "event" based SSO reporting versus the original "location" based reporting. Revisions to this MRP and accompanying changes to the CIWQS Online SSO Database will implement this change by allowing for multiple SSO appearance points to be associated with each SSO event caused by a single asset failure.
9. Based on stakeholder input and Water Board staff experience implementing the SSO Reduction Program, SSO categories have been revised in this MRP. In the prior version of the MRP, SSOs have been categorized as Category 1 or Category 2. This MRP implements changes to SSO categories by adding a Category 3 SSO type. This change will improve data management to further assist Water Board staff with evaluation of high threat and low threat SSOs by placing them in unique categories (i.e., Category 1 and Category 3, respectively). This change will also assist enrollees in identifying SSOs that require Cal OES notification.
10. Based on over six years of implementation of the SSS WDRs, the State Water Board concludes that the February 20, 2008 MRP must be updated to better advance the SSO Reduction Program⁴ objectives, assess compliance, and enforce the requirements of the SSS WDRs.

IT IS HEREBY ORDERED THAT:

Pursuant to the authority delegated by Water Code section 13267(f), Resolution 2002-0104, and Order 2006-0003-DWQ, the MRP for the SSS WDRs (Order 2006-0003-DWQ) is hereby amended as shown in Attachment A and shall be effective on September 9, 2013.

8/6/13

Date



Thomas Howard
Executive Director

³ California Integrated Water Quality System (CIWQS) publicly available at
<http://www.waterboards.ca.gov/ciwqs/publicreports.shtml>

⁴ Statewide Sanitary Sewer Overflow Reduction Program information is available at:
http://www.waterboards.ca.gov/water_issues/programs/ssor/

ATTACHMENT A

STATE WATER RESOURCES CONTROL BOARD ORDER NO. WQ 2013-0058-EXEC

AMENDING MONITORING AND REPORTING PROGRAM FOR STATEWIDE GENERAL WASTE DISCHARGE REQUIREMENTS FOR SANITARY SEWER SYSTEMS

This Monitoring and Reporting Program (MRP) establishes monitoring, record keeping, reporting and public notification requirements for Order 2006-0003-DWQ, "Statewide General Waste Discharge Requirements for Sanitary Sewer Systems" (SSS WDRs). This MRP shall be effective from September 9, 2013 until it is rescinded. The Executive Director may make revisions to this MRP at any time. These revisions may include a reduction or increase in the monitoring and reporting requirements. All site specific records and data developed pursuant to the SSS WDRs and this MRP shall be complete, accurate, and justified by evidence maintained by the enrollee. Failure to comply with this MRP may subject an enrollee to civil liabilities of up to \$5,000 a day per violation pursuant to Water Code section 13350; up to \$1,000 a day per violation pursuant to Water Code section 13268; or referral to the Attorney General for judicial civil enforcement. The State Water Resources Control Board (State Water Board) reserves the right to take any further enforcement action authorized by law.

A. SUMMARY OF MRP REQUIREMENTS

Table 1 – Spill Categories and Definitions

| CATEGORIES | DEFINITIONS [see Section A on page 5 of Order 2006-0003-DWQ, for Sanitary Sewer Overflow (SSO) definition] |
|---|--|
| CATEGORY 1 | Discharges of untreated or partially treated wastewater of <u>any volume</u> resulting from an enrollee's sanitary sewer system failure or flow condition that: <ul style="list-style-type: none">• Reach surface water and/or reach a drainage channel tributary to a surface water; or• Reach a Municipal Separate Storm Sewer System (MS4) and are not fully captured and returned to the sanitary sewer system or not otherwise captured and disposed of properly. Any volume of wastewater not recovered from the MS4 is considered to have reached surface water unless the storm drain system discharges to a dedicated storm water or groundwater infiltration basin (e.g., infiltration pit, percolation pond). |
| CATEGORY 2 | Discharges of untreated or partially treated wastewater of <u>1,000 gallons or greater</u> resulting from an enrollee's sanitary sewer system failure or flow condition that <u>do not</u> reach surface water, a drainage channel, or a MS4 unless the entire SSO discharged to the storm drain system is fully recovered and disposed of properly. |
| CATEGORY 3 | All other discharges of untreated or partially treated wastewater resulting from an enrollee's sanitary sewer system failure or flow condition. |
| PRIVATE LATERAL SEWAGE DISCHARGE (PLSD) | Discharges of untreated or partially treated wastewater resulting from blockages or other problems <u>within a privately owned sewer lateral</u> connected to the enrollee's sanitary sewer system or from other private sewer assets. PLSDs that the enrollee becomes aware of may be <u>voluntarily</u> reported to the California Integrated Water Quality System (CIWQS) Online SSO Database. |

Table 2 – Notification, Reporting, Monitoring, and Record Keeping Requirements

| ELEMENT | REQUIREMENT | METHOD |
|---|---|---|
| NOTIFICATION (see section B of MRP) | <ul style="list-style-type: none"> Within two hours of becoming aware of any Category 1 SSO <u>greater than or equal to 1,000 gallons discharged to surface water or spilled in a location where it probably will be discharged to surface water</u>, notify the California Office of Emergency Services (Cal OES) and obtain a notification control number. | Call Cal OES at: (800) 852-7550 |
| REPORTING (see section C of MRP) | <ul style="list-style-type: none"> Category 1 SSO: Submit draft report within three business days of becoming aware of the SSO and certify within 15 calendar days of SSO end date. Category 2 SSO: Submit draft report within 3 business days of becoming aware of the SSO and certify within 15 calendar days of the SSO end date. Category 3 SSO: Submit certified report within 30 calendar days of the end of month in which SSO the occurred. SSO Technical Report: Submit within 45 calendar days after the end date of any Category 1 SSO in which 50,000 gallons or greater are spilled to surface waters. “No Spill” Certification: Certify that no SSOs occurred within 30 calendar days of the end of the month or, if reporting quarterly, the quarter in which no SSOs occurred. Collection System Questionnaire: Update and certify every 12 months. | Enter data into the CIWQS Online SSO Database (http://ciwqs.waterboards.ca.gov/), certified by enrollee’s Legally Responsible Official(s). |
| WATER QUALITY MONITORING (see section D of MRP) | <ul style="list-style-type: none"> Conduct water quality sampling <u>within 48 hours</u> after initial SSO notification for Category 1 SSOs in which 50,000 gallons or greater are spilled to surface waters. | Water quality results are required to be uploaded into CIWQS for Category 1 SSOs in which 50,000 gallons or greater are spilled to surface waters. |
| RECORD KEEPING (see section E of MRP) | <ul style="list-style-type: none"> SSO event records. Records documenting Sanitary Sewer Management Plan (SSMP) implementation and changes/updates to the SSMP. Records to document Water Quality Monitoring for SSOs of 50,000 gallons or greater spilled to surface waters. Collection system telemetry records if relied upon to document and/or estimate SSO Volume. | Self-maintained records shall be available during inspections or upon request. |

B. NOTIFICATION REQUIREMENTS

Although Regional Water Quality Control Boards (Regional Water Boards) and the State Water Board (collectively, the Water Boards) staff do not have duties as first responders, this MRP is an appropriate mechanism to ensure that the agencies that have first responder duties are notified in a timely manner in order to protect public health and beneficial uses.

1. For any Category 1 SSO greater than or equal to 1,000 gallons that results in a discharge to a surface water or spilled in a location where it probably will be discharged to surface water, either directly or by way of a drainage channel or MS4, the enrollee shall, as soon as possible, but not later than two (2) hours after (A) the enrollee has knowledge of the discharge, (B) notification is possible, and (C) notification can be provided without substantially impeding cleanup or other emergency measures, notify the Cal OES and obtain a notification control number.
2. To satisfy notification requirements for each applicable SSO, the enrollee shall provide the information requested by Cal OES before receiving a control number. Spill information requested by Cal OES may include:
 - i. Name of person notifying Cal OES and direct return phone number.
 - ii. Estimated SSO volume discharged (gallons).
 - iii. If ongoing, estimated SSO discharge rate (gallons per minute).
 - iv. SSO Incident Description:
 - a. Brief narrative.
 - b. On-scene point of contact for additional information (name and cell phone number).
 - c. Date and time enrollee became aware of the SSO.
 - d. Name of sanitary sewer system agency causing the SSO.
 - e. SSO cause (if known).
 - v. Indication of whether the SSO has been contained.
 - vi. Indication of whether surface water is impacted.
 - vii. Name of surface water impacted by the SSO, if applicable.
 - viii. Indication of whether a drinking water supply is or may be impacted by the SSO.
 - ix. Any other known SSO impacts.
 - x. SSO incident location (address, city, state, and zip code).
3. Following the initial notification to Cal OES and until such time that an enrollee certifies the SSO report in the CIWQS Online SSO Database, the enrollee shall provide updates to Cal OES regarding substantial changes to the estimated volume of untreated or partially treated sewage discharged and any substantial change(s) to known impact(s).
4. PLSDs: The enrollee is strongly encouraged to notify Cal OES of discharges greater than or equal to 1,000 gallons of untreated or partially treated wastewater that result or may result in a discharge to surface water resulting from failures or flow conditions within a privately owned sewer lateral or from other private sewer asset(s) if the enrollee becomes aware of the PLSD.

C. REPORTING REQUIREMENTS

1. **CIWQS Online SSO Database Account:** All enrollees shall obtain a CIWQS Online SSO Database account and receive a “Username” and “Password” by registering through CIWQS. These accounts allow controlled and secure entry into the CIWQS Online SSO Database.
2. **SSO Mandatory Reporting Information:** For reporting purposes, if one SSO event results in multiple appearance points in a sewer system asset, the enrollee shall complete one SSO report in the CIWQS Online SSO Database which includes the GPS coordinates for the location of the SSO appearance point closest to the failure point, blockage or location of the flow condition that caused the SSO, and provide descriptions of the locations of all other discharge points associated with the SSO event.
3. **SSO Categories**
 - i. **Category 1** – Discharges of untreated or partially treated wastewater of any volume resulting from an enrollee’s sanitary sewer system failure or flow condition that:
 - a. Reach surface water and/or reach a drainage channel tributary to a surface water; or
 - b. Reach a MS4 and are not fully captured and returned to the sanitary sewer system or not otherwise captured and disposed of properly. Any volume of wastewater not recovered from the MS4 is considered to have reached surface water unless the storm drain system discharges to a dedicated storm water or groundwater infiltration basin (e.g., infiltration pit, percolation pond).
 - ii. **Category 2** – Discharges of untreated or partially treated wastewater greater than or equal to 1,000 gallons resulting from an enrollee’s sanitary sewer system failure or flow condition that does not reach a surface water, a drainage channel, or the MS4 unless the entire SSO volume discharged to the storm drain system is fully recovered and disposed of properly.
 - iii. **Category 3** – All other discharges of untreated or partially treated wastewater resulting from an enrollee’s sanitary sewer system failure or flow condition.
4. **Sanitary Sewer Overflow Reporting to CIWQS - Timeframes**
 - i. **Category 1 and Category 2 SSOs** – All SSOs that meet the above criteria for Category 1 or Category 2 SSOs shall be reported to the CIWQS Online SSO Database:
 - a. Draft reports for Category 1 and Category 2 SSOs shall be submitted to the CIWQS Online SSO Database within three (3) business days of the enrollee becoming aware of the SSO. Minimum information that shall be reported in a draft Category 1 SSO report shall include all information identified in section 8.i.a. below. Minimum information that shall be reported in a Category 2 SSO draft report shall include all information identified in section 8.i.c below.
 - b. A final Category 1 or Category 2 SSO report shall be certified through the CIWQS Online SSO Database within 15 calendar days of the end date of the SSO. Minimum information that shall be certified in the final Category 1 SSO report shall include all information identified in section 8.i.b below. Minimum information that shall be certified in a final Category 2 SSO report shall include all information identified in section 8.i.d below.

- ii. **Category 3 SSOs** – All SSOs that meet the above criteria for Category 3 SSOs shall be reported to the CIWQS Online SSO Database and certified within 30 calendar days after the end of the calendar month in which the SSO occurs (e.g., all Category 3 SSOs occurring in the month of February shall be entered into the database and certified by March 30). Minimum information that shall be certified in a final Category 3 SSO report shall include all information identified in section 8.i.e below.
- iii. **“No Spill” Certification** – If there are no SSOs during the calendar month, the enrollee shall either 1) certify, within 30 calendar days after the end of each calendar month, a “No Spill” certification statement in the CIWQS Online SSO Database certifying that there were no SSOs for the designated month, or 2) certify, quarterly within 30 calendar days after the end of each quarter, “No Spill” certification statements in the CIWQS Online SSO Database certifying that there were no SSOs for each month in the quarter being reported on. For quarterly reporting, the quarters are Q1 - January/ February/ March, Q2 - April/May/June, Q3 - July/August/September, and Q4 - October/November/December.

If there are no SSOs during a calendar month but the enrollee reported a PLSD, the enrollee shall still certify a “No Spill” certification statement for that month.
- iv. **Amended SSO Reports** – The enrollee may update or add additional information to a certified SSO report within 120 calendar days after the SSO end date by amending the report or by adding an attachment to the SSO report in the CIWQS Online SSO Database. SSO reports certified in the CIWQS Online SSO Database prior to the adoption date of this MRP may only be amended up to 120 days after the effective date of this MRP. After 120 days, the enrollee may contact the SSO Program Manager to request to amend an SSO report if the enrollee also submits justification for why the additional information was not available prior to the end of the 120 days.

5. **SSO Technical Report**

The enrollee shall submit an SSO Technical Report in the CIWQS Online SSO Database within 45 calendar days of the SSO end date for any SSO in which 50,000 gallons or greater are spilled to surface waters. This report, which does not preclude the Water Boards from requiring more detailed analyses if requested, shall include at a minimum, the following:

- i. **Causes and Circumstances of the SSO:**
 - a. Complete and detailed explanation of how and when the SSO was discovered.
 - b. Diagram showing the SSO failure point, appearance point(s), and final destination(s).
 - c. Detailed description of the methodology employed and available data used to calculate the volume of the SSO and, if applicable, the SSO volume recovered.
 - d. Detailed description of the cause(s) of the SSO.
 - e. Copies of original field crew records used to document the SSO.
 - f. Historical maintenance records for the failure location.
- ii. **Enrollee’s Response to SSO:**
 - a. Chronological narrative description of all actions taken by enrollee to terminate the spill.
 - b. Explanation of how the SSMP Overflow Emergency Response plan was implemented to respond to and mitigate the SSO.

- c. Final corrective action(s) completed and/or planned to be completed, including a schedule for actions not yet completed.

iii. **Water Quality Monitoring:**

- a. Description of all water quality sampling activities conducted including analytical results and evaluation of the results.
- b. Detailed location map illustrating all water quality sampling points.

6. **PLSDs**

Discharges of untreated or partially treated wastewater resulting from blockages or other problems within a privately owned sewer lateral connected to the enrollee's sanitary sewer system or from other private sanitary sewer system assets may be voluntarily reported to the CIWQS Online SSO Database.

- i. The enrollee is also encouraged to provide notification to Cal OES per section B above when a PLSD greater than or equal to 1,000 gallons has or may result in a discharge to surface water. For any PLSD greater than or equal to 1,000 gallons regardless of the spill destination, the enrollee is also encouraged to file a spill report as required by Health and Safety Code section 5410 et. seq. and Water Code section 13271, or notify the responsible party that notification and reporting should be completed as specified above and required by State law.
- ii. If a PLSD is recorded in the CIWQS Online SSO Database, the enrollee must identify the sewage discharge as occurring and caused by a private sanitary sewer system asset and should identify a responsible party (other than the enrollee), if known. Certification of PLSD reports by enrollees is not required.

7. **CIWQS Online SSO Database Unavailability**

In the event that the CIWQS Online SSO Database is not available, the enrollee must fax or e-mail all required information to the appropriate Regional Water Board office in accordance with the time schedules identified herein. In such event, the enrollee must also enter all required information into the CIWQS Online SSO Database when the database becomes available.

8. **Mandatory Information to be Included in CIWQS Online SSO Reporting**

All enrollees shall obtain a CIWQS Online SSO Database account and receive a "Username" and "Password" by registering through CIWQS which can be reached at CIWQS@waterboards.ca.gov or by calling (866) 792-4977, M-F, 8 A.M. to 5 P.M. These accounts will allow controlled and secure entry into the CIWQS Online SSO Database. Additionally, within thirty (30) days of initial enrollment and prior to recording SSOs into the CIWQS Online SSO Database, all enrollees must complete a Collection System Questionnaire (Questionnaire). The Questionnaire shall be updated at least once every 12 months.

i. **SSO Reports**

At a minimum, the following mandatory information shall be reported prior to finalizing and certifying an SSO report for each category of SSO:

- a. **Draft Category 1 SSOs:** At a minimum, the following mandatory information shall be reported for a draft Category 1 SSO report:
1. SSO Contact Information: Name and telephone number of enrollee contact person who can answer specific questions about the SSO being reported.
 2. SSO Location Name.
 3. Location of the overflow event (SSO) by entering GPS coordinates. If a single overflow 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 SSO appearance point explanation field.
 4. Whether or not the SSO reached surface water, a drainage channel, or entered and was discharged from a drainage structure.
 5. Whether or not the SSO reached a municipal separate storm drain system.
 6. Whether or not the total SSO volume that reached a municipal separate storm drain system was fully recovered.
 7. Estimate of the SSO volume, inclusive of all discharge point(s).
 8. Estimate of the SSO volume that reached surface water, a drainage channel, or was not recovered from a storm drain.
 9. Estimate of the SSO volume recovered (if applicable).
 10. Number of SSO appearance point(s).
 11. Description and location of SSO appearance point(s). If a single sanitary sewer system failure results in multiple SSO appearance points, each appearance point must be described.
 12. SSO start date and time.
 13. Date and time the enrollee was notified of, or self-discovered, the SSO.
 14. Estimated operator arrival time.
 15. For spills greater than or equal to 1,000 gallons, the date and time Cal OES was called.
 16. For spills greater than or equal to 1,000 gallons, the Cal OES control number.
- b. **Certified Category 1 SSOs:** At a minimum, the following mandatory information shall be reported for a certified Category 1 SSO report, in addition to all fields in section 8.i.a :
1. Description of SSO destination(s).
 2. SSO end date and time.
 3. SSO causes (mainline blockage, roots, etc.).
 4. SSO failure point (main, lateral, etc.).
 5. Whether or not the spill was associated with a storm event.
 6. Description of spill corrective action, including steps planned or taken to reduce, eliminate, and prevent reoccurrence of the overflow; and a schedule of major milestones for those steps.
 7. Description of spill response activities.
 8. Spill response completion date.
 9. Whether or not there is an ongoing investigation, the reasons for the investigation and the expected date of completion.

10. Whether or not a beach closure occurred or may have occurred as a result of the SSO.
 11. Whether or not health warnings were posted as a result of the SSO.
 12. Name of beach(es) closed and/or impacted. If no beach was impacted, NA shall be selected.
 13. Name of surface water(s) impacted.
 14. If water quality samples were collected, identify parameters the water quality samples were analyzed for. If no samples were taken, NA shall be selected.
 15. If water quality samples were taken, identify which regulatory agencies received sample results (if applicable). If no samples were taken, NA shall be selected.
 16. Description of methodology(ies) and type of data relied upon for estimations of the SSO volume discharged and recovered.
 17. SSO Certification: Upon SSO Certification, the CIWQS Online SSO Database will issue a final SSO identification (ID) number.
- c. **Draft Category 2 SSOs:** At a minimum, the following mandatory information shall be reported for a draft Category 2 SSO report:
1. Items 1-14 in section 8.i.a above for Draft Category 1 SSO.
- d. **Certified Category 2 SSOs:** At a minimum, the following mandatory information shall be reported for a certified Category 2 SSO report:
1. Items 1-14 in section 8.i.a above for Draft Category 1 SSO and Items 1-9, and 17 in section 8.i.b above for Certified Category 1 SSO.
- e. **Certified Category 3 SSOs:** At a minimum, the following mandatory information shall be reported for a certified Category 3 SSO report:
1. Items 1-14 in section 8.i.a above for Draft Category 1 SSO and Items 1-5, and 17 in section 8.i.b above for Certified Category 1 SSO.
- ii. **Reporting SSOs to Other Regulatory Agencies**
- These reporting requirements do not preclude an enrollee from reporting SSOs to other regulatory agencies pursuant to state law. In addition, these reporting requirements do not replace other Regional Water Board notification and reporting requirements for SSOs.
- iii. **Collection System Questionnaire**
- The required Questionnaire (see subsection G of the SSS WDRs) provides the Water Boards with site-specific information related to the enrollee's sanitary sewer system. The enrollee shall complete and certify the Questionnaire at least every 12 months to facilitate program implementation, compliance assessment, and enforcement response.
- iv. **SSMP Availability**
- The enrollee shall provide the publicly available internet web site address to the CIWQS Online SSO Database where a downloadable copy of the enrollee's approved SSMP, critical supporting documents referenced in the SSMP, and proof of local governing board approval of the SSMP is posted. If all of the SSMP documentation listed in this subsection is not publicly available on the Internet, the enrollee shall comply with the following procedure:

- a. Submit an **electronic** copy of the enrollee's approved SSMP, critical supporting documents referenced in the SSMP, and proof of local governing board approval of the SSMP to the State Water Board, within 30 days of that approval and within 30 days of any subsequent SSMP re-certifications, to the following mailing address:

State Water Resources Control Board
Division of Water Quality
Attn: SSO Program Manager
1001 I Street, 15th Floor, Sacramento, CA 95814

D. WATER QUALITY MONITORING REQUIREMENTS:

To comply with subsection D.7(v) of the SSS WDRs, the enrollee shall develop and implement an SSO Water Quality Monitoring Program to assess impacts from SSOs to surface waters in which 50,000 gallons or greater are spilled to surface waters. The SSO Water Quality Monitoring Program, shall, at a minimum:

1. Contain protocols for water quality monitoring.
2. Account for spill travel time in the surface water and scenarios where monitoring may not be possible (e.g. safety, access restrictions, etc.).
3. Require water quality analyses for ammonia and bacterial indicators to be performed by an accredited or certified laboratory.
4. Require monitoring instruments and devices used to implement the SSO Water Quality Monitoring Program to be properly maintained and calibrated, including any records to document maintenance and calibration, as necessary, to ensure their continued accuracy.
5. Within 48 hours of the enrollee becoming aware of the SSO, require water quality sampling for, at a minimum, the following constituents:
 - i. Ammonia
 - ii. Appropriate Bacterial indicator(s) per the applicable Basin Plan water quality objective or Regional Board direction which may include total and fecal coliform, enterococcus, and e-coli.

E. RECORD KEEPING REQUIREMENTS:

The following records shall be maintained by the enrollee for a minimum of five (5) years and shall be made available for review by the Water Boards during an onsite inspection or through an information request:

1. General Records: The enrollee shall maintain records to document compliance with all provisions of the SSS WDRs and this MRP for each sanitary sewer system owned including any required records generated by an enrollee's sanitary sewer system contractor(s).
2. SSO Records: The enrollee shall maintain records for each SSO event, including but not limited to:
 - i. Complaint records documenting how the enrollee responded to all notifications of possible or actual SSOs, both during and after business hours, including complaints that do not

result in SSOs. Each complaint record shall, at a minimum, include the following information:

- a. Date, time, and method of notification.
 - b. Date and time the complainant or informant first noticed the SSO.
 - c. Narrative description of the complaint, including any information the caller can provide regarding whether or not the complainant or informant reporting the potential SSO knows if the SSO has reached surface waters, drainage channels or storm drains.
 - d. Follow-up return contact information for complainant or informant for each complaint received, if not reported anonymously.
 - e. Final resolution of the complaint.
- ii. Records documenting steps and/or remedial actions undertaken by enrollee, using all available information, to comply with section D.7 of the SSS WDRs.
 - iii. Records documenting how all estimate(s) of volume(s) discharged and, if applicable, volume(s) recovered were calculated.
3. Records documenting all changes made to the SSMP since its last certification indicating when a subsection(s) of the SSMP was changed and/or updated and who authorized the change or update. These records shall be attached to the SSMP.
 4. Electronic monitoring records relied upon for documenting SSO events and/or estimating the SSO volume discharged, including, but not limited to records from:
 - i. Supervisory Control and Data Acquisition (SCADA) systems
 - ii. Alarm system(s)
 - iii. Flow monitoring device(s) or other instrument(s) used to estimate wastewater levels, flow rates and/or volumes.

F. CERTIFICATION

1. All information required to be reported into the CIWQS Online SSO Database shall be certified by a person designated as described in subsection J of the SSS WDRs. This designated person is also known as a Legally Responsible Official (LRO). An enrollee may have more than one LRO.
2. Any designated person (i.e. an LRO) shall be registered with the State Water Board to certify reports in accordance with the CIWQS protocols for reporting.
3. Data Submitter (DS): Any enrollee employee or contractor may enter draft data into the CIWQS Online SSO Database on behalf of the enrollee if authorized by the LRO and registered with the State Water Board. However, only LROs may certify reports in CIWQS.
4. The enrollee shall maintain continuous coverage by an LRO. Any change of a registered LRO or DS (e.g., retired staff), including deactivation or a change to the LRO's or DS's contact information, shall be submitted by the enrollee to the State Water Board within 30 days of the change by calling (866) 792-4977 or e-mailing help@ciwqs.waterboards.ca.gov.

5. A registered designated person (i.e., an LRO) shall certify all required reports under penalty of perjury laws of the state as stated in the CIWQS Online SSO Database at the time of certification.

CERTIFICATION

The undersigned Clerk to the Board does hereby certify that the foregoing is a full, true, and correct copy of an order amended by the Executive Director of the State Water Resources Control Board.

Date

7/30/13



Jeanine Townsend
Clerk to the Board

FACT SHEET

STATE WATER RESOURCES CONTROL BOARD

ORDER NO. 2006-0003

STATEWIDE GENERAL WASTE DISCHARGE REQUIREMENTS FOR SANITARY SEWER SYSTEMS

The State Water Resources Control Board (State Water Board) adopted Resolution 2004-80 in November 2004, requiring staff to work with a diverse group of stakeholders (known as the SSO Guidance Committee) to develop a regulatory mechanism to provide a consistent statewide approach for reducing Sanitary Sewer Overflows (SSOs). Over the past 14 months, State Water Board staff in collaboration with the SSO Guidance Committee, developed draft statewide general waste discharge requirements (WDRs) and a reporting program. The WDRs and reporting program reflect numerous ideas, opinions, and comments provided by the SSO Guidance Committee.

The SSO Guidance Committee consists of representatives from the State Water Board's Office of Chief Counsel, several Regional Water Quality Control Boards (Regional Water Boards), United States Environmental Protection Agency (USEPA), Region IX, non-governmental environmental organizations, as well as publicly-owned sanitary sewer collection system agencies. The draft WDRs, reporting program, and associated documents result from a collaborative attempt to create a robust and rigorous program, which will serve as the basis for consistent and appropriate management and operation of sanitary sewer systems.

During the collaborative process, several key issues regarding the draft WDRs were identified. These include:

- Is there a need for statewide collection system requirements?
- Should these systems be regulated under a National Pollutant Discharge Elimination System (NPDES) permit issued pursuant to the Federal Clean Water Act or under WDRs issued pursuant to the California Water Code (the Porter-Cologne Water Quality Control Act or Porter-Cologne)?
- Should the regulatory mechanism include a prohibition of discharge and, if so, should the prohibition encompass only SSOs that reach surface waters, ground water, or should all SSOs be prohibited?
- Should a regulatory mechanism include a permitted discharge, an affirmative defense, or explicit enforcement discretion?
- Should the regulated facilities include publicly-owned facilities, privately owned facilities, satellite systems (public and private), and/or private laterals?

- Should all SSOs be reported, and if not, what should the reporting thresholds be; and what should the reporting timeframes be?
- How will existing permits and reporting requirements incorporate these new WDRs?
- How much will compliance with these new WDRs cost?

The WDRs and Reporting Program considered the comments of all stakeholders and others who commented on the two drafts circulated to the public. These documents also incorporate legal requirements and other revisions to improve the effectiveness and management of the regulatory program. Following is a discussion of the above issues, comments received on the drafts and an explanation of how issues were resolved.

The Need

As California's wastewater collection system infrastructure begins to age, the need to proactively manage this valuable asset becomes increasingly important. The first step in this process is to have a reliable reporting system for SSOs. Although there are some data systems to record spills and various spill-reporting requirements have been developed, inconsistent requirements and enforcement have led to poor data quality. A few Regional Water Boards have comprehensively tracked SSOs over the last three to five years, and from this information we have been able to determine that the majority of collection systems surveyed have had SSOs within this time period.

Both the San Diego and Santa Ana Regional Water Boards have issued WDRs over the last several years to begin regulating wastewater collection systems in an attempt to quantify and reduce SSOs. In fact, 44 out of 46 collection system agencies regulated by the San Diego Regional Water Board have reported spills over the last four and a half years, resulting in 1467 reported SSOs. Twenty-five out of 27 collection system agencies subject to the Santa Ana Regional Water Board's general WDRs reported SSOs between the years of 1999-2004. During this time period, 1012 SSOs were reported.

The 2004 Annual Ocean and Bay Water Quality Report issued by the Orange County Environmental Health Care Agency shows the number of SSOs increasing from 245 in 1999 to 399 in 2003. While this number indicates a concerning trend, the total annual spill volume from these SSOs has actually decreased dramatically, as has the number of beach closures due to SSOs. It is likely, therefore, that the rise in number of SSOs reflects better reporting, and not an actual increase in the number of SSOs.

This information also suggests that the Santa Ana Regional Water Board's WDRs, which contain sanitary sewer management plan (SSMP) requirements similar to those in the proposed statewide general WDRs, have been effective in

not only increasing the number of spills that are reported but also in mitigating the impacts of SSOs that do occur.

Data supports the conclusion that virtually all collection systems have SSOs and that implementation of a regulatory measure requiring SSO reporting and collection system management, along with required measures to limit SSOs, will greatly benefit California water quality. Implementation of these requirements will also greatly benefit and prolong the useful life of the sanitary sewer system, one of California's most valuable infrastructure items.

NPDES vs. WDRs

Porter-Cologne subjects a broader range of waste discharges to regulation than the Federal Clean Water Act. In general, the Clean Water Act prohibits the discharge of pollutants from point sources to surface waters of the United States unless authorized under an NPDES permit. (33 U.S.C. §§1311, 1342). Since not all SSOs result in a discharge to surface water, however, not all SSOs violate the Clean Water Act's NPDES permitting requirements. Porter-Cologne, on the other hand, covers all existing and proposed waste discharges that could affect the quality of state waters, including both surface waters and groundwater. (Wat. Code §§13050(e), 13260). Hence, under Porter-Cologne, a greater SSO universe is potentially subject to regulation under WDRs. In addition, WDRs under Porter-Cologne can address both protection of water quality as well as the prevention of public nuisance associated with waste disposal. (*Id.* §13263).

Some commenters contend that because all collection systems have the potential to overflow to surface waters the systems should be regulated under an NPDES permit. A recent decision by the United States Court of Appeals for the 2nd Circuit, however, has called into question the states' and USEPA's ability to regulate discharges that are only "potential" under an NPDES permit. In *Waterkeeper Alliance v. United States Environmental Protection Agency* (2005) 399 F.3d 486, 504-506, the appellate court held that USEPA can only require permits for animal feedlots with "an actual addition" of pollutants to surface waters. While this decision may not be widely followed, especially in the area of SSOs, these are clearly within the jurisdiction of the California Water Code.

USEPA defines a publicly owned treatment works (POTW) as both the wastewater treatment facility and its associated sanitary sewer system (40 C.F.R. §403.3(o)¹). Historically, only the portion of the sanitary sewer system that is owned by the same agency that owns the permitted wastewater treatment facility has been subject to NPDES permit requirements. Satellite sewer collection systems (i.e. systems not owned or operated by the POTW) have not been

¹ The regulation provides that a POTW include sewers, pipes, and other conveyances only if they convey wastewater to a POTW.

typically regulated as part of the POTW and, therefore, have not generally been subject to NPDES permit requirements.

Comments were received that argued every collection system leading to a POTW that is subject to an NPDES permit should also be permitted based upon the USEPA definition of POTW. Under this theory, all current POTW NPDES permits could be expanded to include all satellite sewer collection systems, or alternatively, the satellite system owners or operators could be permitted separately. However, this interpretation is not widely accepted and USEPA has no official guidance to this fact.

There are also many wastewater treatment facilities within California that do not have discharges to surface water, but instead use percolation ponds, spray irrigation, wastewater reclamation, or other means to dispose of the treated effluent. These facilities, and their satellite systems, are not subject to the NPDES permitting process and could not be subject to a statewide general NPDES permit. POTWs that fall into this category, though, can be regulated under Porter-Cologne and do have WDRs.

In light of these factors, the State Water Board has determined that the best approach is to propose statewide general WDRs at this time.

Prohibition of Discharge

The Clean Water Act prohibits the discharge of wastewater to surface waters except as authorized under an NPDES permit. POTWs must achieve secondary treatment, at a minimum, and any more stringent limitations that are necessary to achieve water quality standards. (33 U.S.C. §1311(b)(1)(B) and (C)). Thus, an SSO that results in the discharge of raw sewage to surface waters is prohibited under the Clean Water Act.

Additionally, California Water Code section 13263 requires the State Water Board to, after any necessary hearing, prescribe requirements as to the nature of any proposed discharge, existing discharge, or material change in an existing discharge. The requirements shall, among other things, take into consideration the need to prevent nuisance.

California Water Code section 13050 (m), defines nuisance as anything which meets all of the following requirements:

- a. 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.
- b. 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.

- c. Occurs during, or as a result of, the treatment or disposal of wastes.

Some SSOs do create a nuisance as defined in state law. Therefore, based upon these statutory requirements, the WDRs include prohibitions in Section C. of the WDRs. Section C. states:

C. PROHIBITIONS

- 1. Any SSO that results in a discharge of untreated or partially treated wastewater to waters of the United States is prohibited.
- 2. Any SSO that results in a discharge of untreated or partially treated wastewater, which creates a nuisance as defined in California Water Code section 13050(m) is prohibited.

Furthermore, the State Water Board acknowledges the potential for more stringent water quality standards that may exist pursuant to a Regional Water Board requirement. Language included in Section D.2 of the WDRs allows for these more stringent instances.

D. PROVISIONS

- 2. It is the intent of the State Water Board that sanitary sewer systems be regulated in a manner consistent with the general WDRs. Nothing in the general WDRs shall be:
 - (i) Interpreted or applied in a manner inconsistent with the Federal Clean Water Act, or supersede a more specific or more stringent state or federal requirement in an existing permit, regulation, or administrative/judicial order or Consent Decree;
 - (ii) Interpreted or applied to authorize an SSO that is illegal under either the Clean Water Act, an applicable Basin Plan prohibition or water quality standard, or the California Water Code;
 - (iii) Interpreted or applied to prohibit a Regional Water Board from issuing an individual NPDES permit or WDRs, superseding the general WDRs, for a sanitary sewer system, authorized under the Clean Water Act or California Water Code; or
 - (iv) Interpreted or applied to supersede any more specific or more stringent WDRs or enforcement order issued by a Regional Water Board.

Permitted Discharge, Affirmative Defense, and Enforcement Discretion

Commenters from the discharger community have requested inclusion of an affirmative defense to an SSO on the grounds that certain SSO events are unforeseen and unavoidable, such as SSOs due to extreme wet weather events. An affirmative defense is a mechanism whereby conduct that otherwise violates WDRs or a permit will be excused, and not subject to an enforcement action, under certain circumstances. Since many collection system industry experts believe that not all SSOs may be prevented, given certain circumstances (such as unforeseen vandalism, extreme wet weather, or other acts of God), many

collection system owner representatives believe this should formally be recognized by including an affirmative defense for these unavoidable SSOs.

Previous informal drafts of the general WDRs included affirmative defense language, which was contingent upon appropriate development and implementation of sanitary sewer management plan (SSMP) requirements, as well as a demonstration that the SSO was exceptional and unavoidable. Other stakeholders, including USEPA and the environmental groups opposed the concept of an affirmative defense for SSOs. They argued that its inclusion in the WDRs would undermine the Clean Water Act and inappropriately limit both Regional Water Board and third party enforcement.

After considering input from all stakeholders, and consulting with USEPA, staff is not recommending inclusion of an affirmative defense. Rather, the draft WDRs incorporate the concept of enforcement discretion, and explicitly identify what factors must be considered during any civil enforcement proceeding. The enforcement discretion portion of the WDRs is contained within Sections D. 6 and 7, and is consistent with enforcement discretion provisions within the California Water Code.

Facilities Subject to WDRs

Collection systems consist of pipelines and their appurtenances, which are intended to transport untreated wastewater to both publicly-owned and private wastewater treatment facilities. While wastewater treatment facilities are owned by a wide variety of public and private entities, public agencies (state and federal agencies, cities, counties, and special districts) own the vast majority of this infrastructure.

Collection systems that transport wastewater to POTWs could be grouped into four different categories:

1. Publicly-owned treatment works – pipelines and appurtenances that are owned by a public agency that also owns a wastewater treatment facility;
2. Publicly-owned satellites – pipelines and appurtenances that are owned by a public agency that does not own a wastewater treatment facility; and
3. Private laterals - pipelines and appurtenances that are not owned by a public agency, but rather discharge into one of the above types of facilities.
4. Privately owned treatment works – pipelines and appurtenances that are owned by a private entity, which also owns a wastewater treatment facility (often a septic tank and leach field).

The WDRs require all public agencies, which own wastewater collection systems (category 1 and 2 above) to enroll in the WDRs. Privately owned systems (categories 3 and 4) are not subject to the WDRs; however, a Regional Water

Board may at its discretion issue WDRs to these facilities on a case-by-case or region wide basis.

Collection systems discharging into POTWs (categories 1, 2, and 3) represent, by far, the greatest amount of collection system infrastructure within California. Since regulating private entities (categories 3 and 4) on a statewide basis would be unmanageable and impractical (because of the extremely large number and lack of contact information and other associated records), staff believes focusing on the public sector is the best option for meaningful and consistent outcomes. The legal authority and reporting provisions contained in the WDR do require limited oversight of private laterals (category 3) by public entities. Given this limited responsibility of oversight, public entities are not responsible or liable for private laterals.

State Water Board staff will notify all known public agencies that own wastewater collection systems, regarding their obligation to enroll under these WDRs. However, because of data inaccuracies, State Water Board staff may inadvertently not contact an agency that should enroll in the WDRs or erroneously contact a public agency that does not own a collection system. Staff will make every effort to accurately identify public agencies. In the event that a public agency is overlooked or omitted, however, it is the agency's responsibility to contact the State Water Board for information on the application process. An agency can find the appropriate contact by visiting the State Water Board's SSO homepage at www.waterboards.ca.gov/ss0.

SSO Reporting

SSOs can be distinguished between those that impact water quality and/or create a nuisance, and those that are indicators of collection system performance. Additionally, SSO liability is attributed to either private entities (homeowners, businesses, private communities, etc...) or public entities. Although all types of SSOs are important to track, the reporting time frames and the type of information that need to be conveyed differ.

The Reporting Program and Online SSO Database clearly distinguish the type of spill (major or minor) and the type of entity that owns the portion of the collection system that experienced the SSO (public or private entity). The reason to require SSO reporting for SSOs that do not necessarily impact public health or the environment is because these types of SSOs are indicators of collection system performance and management program effectiveness, and may serve as a sign of larger and more serious problems that should be addressed. Although these types of spills are important and must be regulated by collection system owners, the information that should be tracked and the time required to get them into the online reporting system are not as stringent.

Obviously, SSOs that are large in nature, affect public health, or affect the environment must be reported as soon as practicable and information associated with both the spill and efforts to mitigate the spill must be detailed. Since the Online SSO Database is a web based application requiring computer connection to the internet and is typically not as available as telephone communication would be, the Online Database will not replace emergency notification, which may be required by a Regional Water Board, Office of Emergency Services, or a County Health or Environmental Health Agency.

Incorporating Existing Permits

It is the State Water Board's intent to have one statewide regulatory mechanism that lays out the foundation for consistent collection system management requirements and SSO reporting. While there are a significant number of collection systems that are not actively regulated by the State or Regional Water Boards, some efforts have been made to regulate these agencies on a facility-by-facility or region-by-region basis. General WDRs, individual WDRs, NPDES permits, and enforcement orders that specifically include collections systems are mechanisms that have been used to regulate collection system overflows.

However, because of these varying levels of regulatory oversight, confusion exists among collection system owners as to regulatory expectations on a consistent and uniform basis (especially with reporting spills). Currently, there are a myriad of different SSO reporting thresholds and a number of different spill report repositories. Because of the varying levels of reporting thresholds and the lack of a common database to capture this information, an accurate picture of SSOs throughout California is unobtainable.

In order to provide a consistent and effective SSO prevention program, as well as to develop reasonable expectations for collection system management, these General WDRs should be the primary regulatory mechanism to regulate public collection systems. The draft WDRs detail requirements associated with SSMP development and implementation and SSO reporting.

All NPDES permits for POTWs currently include federally required standard conditions, three of which apply to collection systems. NPDES permits must clarify that the following three conditions apply to that part of the collection system that is owned or operated by the POTW owner or operator. These conditions are:

- Duty to mitigate discharges (40 CFR 122.41(d))
- Requirement to properly operate and maintain facilities (40 CFR 122.41(e))
- Requirement to report non-compliance (40 CFR 122.41(l)(6) and (7))

Understandably, revising existing regulatory measures will not occur immediately. However, as time allows and, at a minimum, upon readopting existing WDRs or WDRs that serve as NPDES permits, the Regional Water Boards should rescind redundant or inconsistent collection system requirements. In addition, the Regional Water Boards must ensure that existing NPDES permits clarify that the three standard permit provisions discussed above apply to the permittee's collection system.

Although it is the State Water Board's intent that this Order be the primary regulatory mechanism for sanitary sewer systems statewide, there will be some instances when Regional Water Boards will need to impose more stringent or prescriptive requirements. In those cases, more specific or more stringent WDRs or an NPDES permit issued by a Regional Water Board will supersede this Order. Finding number 11, in the WDRs states:

11. Some Regional Water Boards have issued WDRs or WDRs that serve as National Pollution Discharge Elimination System (NPDES) permits to sanitary sewer system owners/operators within their jurisdictions. This Order establishes minimum requirements to prevent SSOs. Although it is the State Water Board's intent that this Order be the primary regulatory mechanism for sanitary sewer systems statewide, Regional Water Boards may issue more stringent or more prescriptive WDRs for sanitary sewer systems. Upon issuance or reissuance of a Regional Water Board's WDRs for a system subject to this Order, the Regional Water Board shall coordinate its requirements with stated requirements within this Order, to identify requirements that are more stringent, to remove requirements that are less stringent than this Order, and to provide consistency in reporting.

Cost of Compliance

While the proposed WDRs contain requirements for systems and programs that should be in place to effectively manage collection systems, many communities have not implemented various elements of a good management plan. Some agencies are doing an excellent job managing their collection systems and will incur very little additional costs. Other agencies will need to develop and implement additional programs and will incur greater costs. However, any additional costs that a public agency may incur in order to comply with these General WDRs are costs that an agency would necessarily incur to effectively manage and preserve its infrastructure assets, protect public health and prevent nuisance conditions. These General WDRs prescribe minimum management requirements that should be present in all well managed collection system agencies.

In order to estimate the compliance costs associated with the proposed WDRs, staff analyzed costs associated with implementing the Santa Ana Regional Water Board's general WDRs. Twenty-one agencies, which discharge to Orange County Sanitation District, submitted financial summaries for the last five years, representing both pre- and post-WDRs adoption. Operation and maintenance costs, program development costs, as well as capital improvement costs were

considered and fairly accurately represent what can be expected statewide with the adoption of the General WDRs.

After extrapolating the sample to yield a statewide cost perspective, the projected annual cost of implementing the statewide WDRs is approximately \$870 million. This total represents \$345.6 million in O&M costs and \$524.5 for capital improvement projects.

While this sum is substantial, presenting the costs on a per capita or per household basis puts the figure in perspective. Department of Finance estimated the total population for Californians that may be subject to the WDRs to be 30.3 million persons (1/1/05). Dividing the population by the approximate average household size of 2.5 yields 12 million households. The average household in California is assumed to be 2.5 persons. The increased average annual cost (in order to comply with these WDRs) per person is estimated to be \$28.74 and \$71.86 per household (or \$5.99 per month per household)

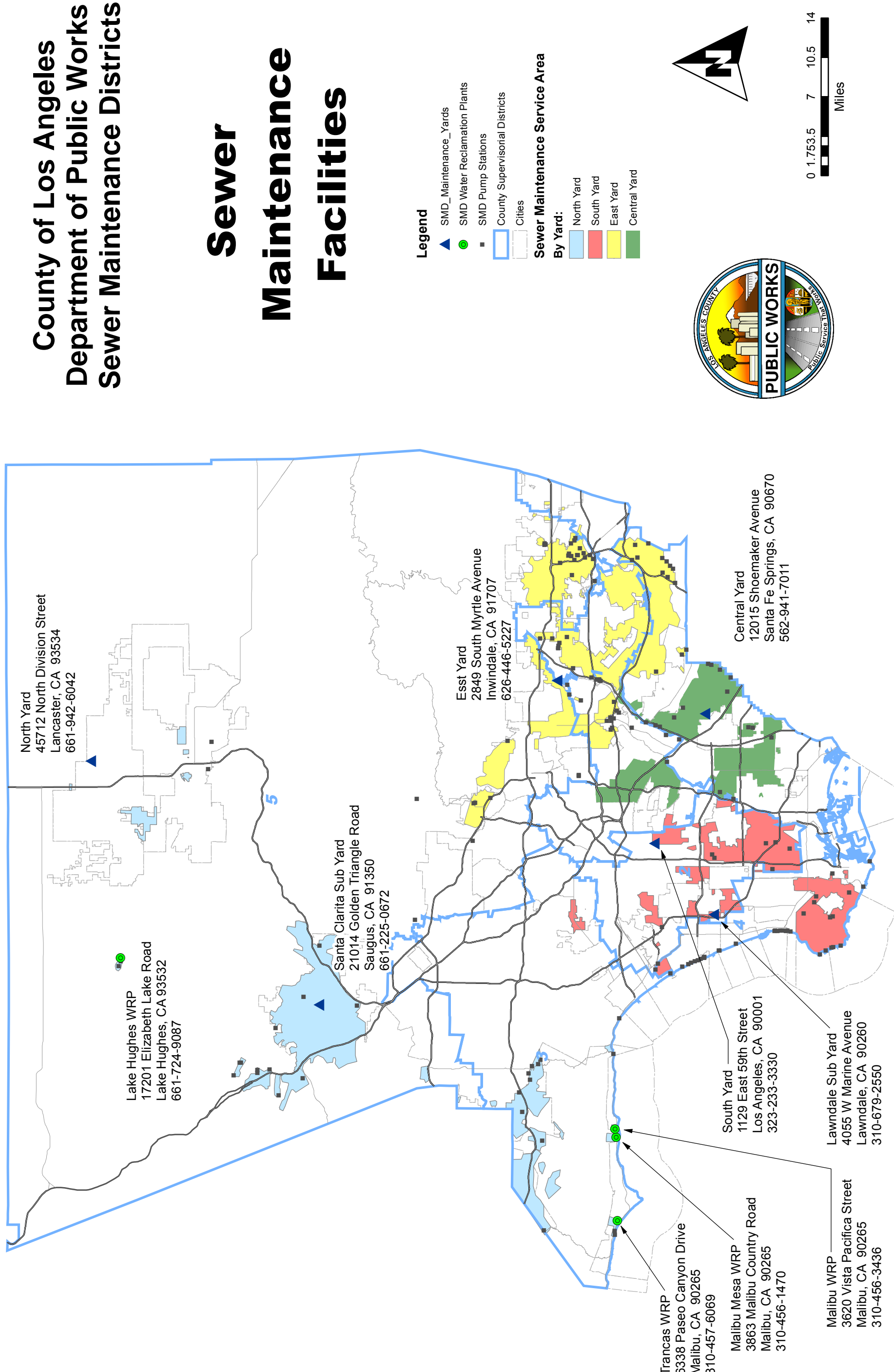
Given these average costs there will be some communities that realize higher costs on a per household basis and some that realize less cost. Furthermore, larger communities will probably also realize an economy of scale, which is dependent upon a community's size. While larger communities may see lower costs associated with compliance, smaller communities will probably see a higher cost associated with compliance. Costs for compliance in small communities may be as high as \$40 per month per household.

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



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: PWFARELLAN
CUSTODIAN NAME: FRANCISCO ARELLANO JR.

| 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 |
|------------|-----------|--|--------------|---------------------|-------------------|--------|--|------|---------|------------------------|------------------|------------|----------------|
| 06-572 | E0042808 | TRUCK 2016/FORD F150 XL EXT CAB 4X4 PICK UP | FORD | F150XL | 1FTFX1EG0GKD34285 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | E | FRANCISCO ARELLANO JR. | DERAOLD DOLITTLE | 03/14/2017 | 22,570.97 |
| 06-629 | E0050036 | 2018 FORD F-150 REG CAB 4X2 PICKUP | FORD | F-150 | 1FTMF1CB2JFE10722 | S351 | Santa Clarita - 21190 Ctr Pointe Parkway 91350(SntCirYd) | 9425 | E | FRANCISCO ARELLANO JR. | JESSE CISNEROS | 01/10/2019 | 21,723.03 |
| 08-002 | E0011744 | TRUCK FORD/08 PICKUP EXT CAB | FORD | F-350 XL SUPER DUTY | 1FTWX30S98EE41711 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | E | FRANCISCO ARELLANO JR. | N/A | 01/05/2009 | 0.00 |
| 08-032 | E0029236 | TRUCK 2014/FORD F-250 REG CAB 4X2 PICKUP | FORD | F250 | 1FTBF2A69EEA16603 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | E | FRANCISCO ARELLANO JR. | N/A | 11/13/2013 | 6,050.80 |
| 08-075 | E0044657 | TRUCK 2017/FORD F250 PICKUP REG CAB 4X2 | FORD | F250 | 1FTBF2A61HED45381 | S351 | Santa Clarita - 21190 Ctr Pointe Parkway 91350(SntCirYd) | 9425 | E | FRANCISCO ARELLANO JR. | | 08/21/2017 | 23,259.02 |
| 08-076 | E0044655 | TRUCK 2017/FORD F250 PICKUP REG CAB 4X2 | FORD | F250 | 1FTB2A63HED45382 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | E | FRANCISCO ARELLANO JR. | | 08/21/2017 | 23,259.02 |
| 126-003 | 1063397 | TRUCK CHEV/06 HYDRO JETTER/CAMERA OPTION (ORI. TAG # 21-263) | CHEVY | C7500 | 1GBP7C1C06F406195 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | E | FRANCISCO ARELLANO JR. | | 05/01/2006 | 0.00 |
| 126-009 | E0043522 | 2017/FREIGHTLINER DIESEL CUES HYDRO/JETTER FOAMER CAMERA W/ | FREIGHTLINER | M2112 | 1FVAC5CYXHHJF3931 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | E | FRANCISCO ARELLANO JR. | DERAOLD DOLITTLE | 04/24/2017 | 253,868.78 |
| 126C-003 | E0043509 | 2017/FREIGHTLINER CNG CUES HYDRO/JETTER FOAMER CAMERA SYS W/ | FREIGHTLINER | M2112 | 1FVAC5DX6HHJF3933 | S400 | Sta Fe Springs - 12015 Shoemaker 90670 (SM Ctr Yd) | 9421 | E | FRANCISCO ARELLANO JR. | JUAN ALONSO | 04/24/2017 | 278,633.58 |
| 128-012 | E0002937 | TRUCK CHEV/06 C5500 RODDER CONVENT'L CAB(ORI. TAG#21-266) | CHEVY | C5500 | 1GBG5C1G66F40427 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | E | FRANCISCO ARELLANO JR. | | 09/01/2006 | 0.00 |
| 128-014 | E0006907 | TRUCK GMC/08 C6500/RODDER 866(ORI. TAG#21-274) | GMC | C6500 | 1GDJ6C1G78F402148 | S351 | Santa Clarita - 21190 Ctr Pointe Parkway 91350(SntCirYd) | 9425 | E | FRANCISCO ARELLANO JR. | | 01/01/2008 | 0.00 |
| 128-019 | E0033043 | TRUCK2015/FORD F-650 REG CAB MODEL 877 | FORD | F-650 | 3FRNF6HP3FV513917 | L511 | Lancaster - 45712 N. Division 93534 (SM North | 9443 | E | FRANCISCO ARELLANO JR. | UNK | 10/14/2014 | 116,158.83 |

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

DIVISION: 49400 Sewer Maintenance Division - Administration
CUSTODIAN: PWFARELLAN
CUSTODIAN NAME: FRANCISCO ARELLANO JR.

| 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 |
|------------|-----------|--|--------------|--------------|--------------------|--------|--|------|---------|------------------------|-------------------|------------|----------------|
| | | RODDER | | | | | Yard) | | | | | | |
| 128-021 | E0051704 | TRUCK RODDER 2019 FORD F-650 REG | FORD | F650 | 1FDNF6AY6KDF03213 | D602 | Downey - 11282 S. Garfield Ave. 90242 (Hollydale Yard) | 7418 | E | FRANCISCO ARELLANO JR. | FRANK ARELLANO | 06/18/2019 | 237,611.06 |
| 129-005 | E0008980 | TRUCK FORD/08 F-350 SEWER INSPECTION (ORI. TAG#13-426) | FORD | F-350 | 1FDWVF36Y48EC06987 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | E | FRANCISCO ARELLANO JR. | N/A | 06/01/2008 | 0.00 |
| 129-007 | E0009612 | TRUCK FORD/08 F-350 SEWER INSPECTION (ORI. TAG#13-428) | FORD | F-350 | 1FDWVF36Y88EC06992 | L851 | Los Angeles - 1129 E. 59th St 90001 (SM South Yard) | 9422 | E | FRANCISCO ARELLANO JR. | DOLITTLE, DEAROLD | 07/16/2008 | 0.00 |
| 129-008 | E0009613 | TRUCK FORD/08 F-350 SEWER INSPECTION (ORI. TAG#13-429) | FORD | F-350 | 1FDWVF36Y68EC06991 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | E | FRANCISCO ARELLANO JR. | N/A | 07/01/2008 | 0.00 |
| 129-013 | E0017643 | TRUCK CREW CAB 2008/ FORD F350 SWR SVC BODY(ORG TAG# 13-456) | FORD | F-350 | 1FDWW36Y88EE41702 | S351 | Santa Clarita - 21190 Ctr Pointe Parkway 91350(SntCirYd) | 9425 | E | FRANCISCO ARELLANO JR. | N/A | 07/07/2010 | 1,904.45 |
| 13-385 | E0002921 | TRUCK FORD/06 UTIL DUMP W/ ARROWBOARD | FORD | F-550 | 1FDAF56Y46EC65833 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | E | FRANCISCO ARELLANO JR. | | 10/01/2006 | 0.00 |
| 13-410 | E0008609 | TRUCK FORD/07 VAN TV INSPECT | FORD | E-450 | 1FDXE45S17DB08143 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | E | FRANCISCO ARELLANO JR. | | 02/01/2008 | 0.00 |
| 13-459 | E0019904 | TRUCK 2011/FORD F-550 XLT REG CAB FLATBED W/LIFTGATE | FORD | F-550 | 1FDUF5GY4BEA59675 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | E | FRANCISCO ARELLANO JR. | N/A | 10/05/2010 | 3,015.11 |
| 13-476 | E0022878 | TRUCK 2010/FORD F450 REG CAB ROACH DUSTING BODY W/1564621 01 | FORD | F-450 | 1FDAF4GY0AEA18441 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | E | FRANCISCO ARELLANO JR. | | 07/19/2011 | 12,620.83 |
| 13-574 | E0053670 | 2019 FORD F550 TRUCK UTILITY BODY W/CENTER DUMP & ARROWBOARD | FORD | F550 | 1FDUF5GY1KDA06518 | D602 | Downey - 11282 S. Garfield Ave. 90242 (Hollydale Yard) | 7418 | E | FRANCISCO ARELLANO JR. | FRANK ARELLANO | 11/19/2019 | 126,150.39 |
| 21-285 | E0015729 | TRUCK 08 /CHEVY C7500 HYDRO JETTER W/FOAMER | CHEVROLET | C7500 | 1GBP7C1A08F407204 | S351 | Santa Clarita - 21190 Ctr Pointe Parkway 91350(SntCirYd) | 9425 | E | FRANCISCO ARELLANO JR. | N/A | 09/09/2009 | 22,430.96 |
| 21-321 | E0041938 | TRUCK 2015/FORD F650 | FORD | F650 | 3FRNF6HP8FV728080 | L511 | Lancaster - 45712 N. | 9423 | E | FRANCISCO ARELLANO JR. | RODNEY ROBERSON | 10/27/2016 | 95,527.62 |

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

DIVISION: 49400 Sewer Maintenance Division - Administration
CUSTODIAN: PWFARELLAN
CUSTODIAN NAME: FRANCISCO ARELLANO JR.

| 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 |
|------------|-----------|---|--------------|--------------|-------------------|--------|--|------|---------|------------------------|-----------------|------------|----------------|
| | | SUPER REG MASONARY UTE BODY W/ PW45711 | | | | | Division 93534 (SM North Yard) | | | | | | |
| 28-120 | E0023979 | TRUCK 2012/FREIGHTLINER M2 VACALL HYDRO VACUUM | FREIGHTLINER | M2 | 1FVAC3BS7CHBP9386 | S351 | Santa Clarita - 21190 Ctr Pointe Parkway 91350(SntCirYd) | 9425 | E | FRANCISCO ARELLANO JR. | N/A | 02/29/2012 | 111,421.74 |
| 28-129 | E0036175 | TRUCK 2015/MACK MC1510 GAP VAX HYDRO VAC W/JETTER | MACK | MC1510 | 1M2AX07C5FM024470 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | E | FRANCISCO ARELLANO JR. | NA | 06/30/2015 | 316,537.48 |
| 88-690 | 1038103X | PUMP TRASH | | | 10DAU10S9KC12933 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | E | FRANCISCO ARELLANO JR. | FOWLER, VIRGIL | 01/01/1990 | 0.00 |
| 98-069 | 1039649 | FORKLIFT MITSUBISHI 4000 LB | MITSUBISHI | FG20 | AF17A00153 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | E | FRANCISCO ARELLANO JR. | FOWLER, VIRGIL | 05/01/1990 | 0.00 |
| DCS063 01 | P0006595 | SAW CONCRETE TARGET/91 14"BLDE | TARGET | PAC11135 | 101502 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | HINOJOSA, ROBER | 12/01/1991 | 1,727.11 |
| DMC273 01 | P0006646 | MIXER WHITEMAN WC91R | WHITEMAN | WC91R | PK23642 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | HINOJOSA, ROBER | 03/01/1993 | 3,182.55 |
| I225887 01 | P0006724 | BANDSAW KALAMAZOO 9AW | | | 2133 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | HINOJOSA, ROBER | 09/01/1970 | 1,012.20 |
| I465322 01 | P0007160 | PUMP PEABODY BARNS | | | 52414 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | HINOJOSA, ROBER | 10/01/1991 | 1,133.38 |
| I543887 01 | P0007750 | SELF RETRACTABEL LIFELINE | | | 9111659 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | HINOJOSA, ROBER | 04/01/1992 | 2,085.84 |
| I543888 01 | P0007751 | SELF RETRACTABLE LIFELINE | | | 9111650 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | HINOJOSA, ROBER | 04/01/1992 | 2,085.84 |
| I543889 01 | P0007752 | SELF RETRACTABLE LIFELINE | | | 9111484 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | HINOJOSA, ROBER | 04/01/1992 | 2,085.84 |

County of Los Angeles
Department of Public Works
DPW eCAPS Reporting System (DeRS)
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DIVISION: 49400 Sewer Maintenance Division - Administration
CUSTODIAN: PWFARELLAN
CUSTODIAN NAME: FRANCISCO ARELLANO JR.

| 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 |
|------------|-----------|--|------------------|--------------|------------|--------|---|------|---------|------------------------|-----------------|------------|----------------|
| I543890 01 | P0007753 | DYNA HOST TRIPOD SYS F/CONFINED SPACE | PACIFIC SAFETY E | 506213 | H0225 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | HINOJOSA, ROBER | 04/01/1992 | 2,085.84 |
| I543891 01 | P0007754 | DYNA HOST TRIPOD SYS F/CONFINED SPACE | PACIFIC SAFETY E | 506213 | HO209 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | HINOJOSA, ROBER | 04/01/1992 | 2,085.84 |
| I543893 01 | P0007755 | DYNA HOST TRIPOD SYS F/CONFINED SPACE | PACIFIC SAFETY E | 506213 | H0214 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | HINOJOSA, ROBER | 04/01/1992 | 2,085.84 |
| I563183 01 | 1054133 | ROOTCUTTER LUMBERJACK SERS A | LUMBERJACK | SERIES "A" | N/A | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | E | FRANCISCO ARELLANO JR. | HINOJOSA, ROBER | 05/01/1998 | 0.00 |
| I564023 01 | E0005631 | CAMERA INSPECTION SYSTEM SEWER PORTABLE | PELICAN/RIGID | 1520 | 208-07600 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | E | FRANCISCO ARELLANO JR. | | 08/01/2007 | 0.00 |
| I564124 01 | E0008610 | CABLE REEL UNIT CUES W/ TAG# 13-410 | CUES | TM607 | 4526 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | E | FRANCISCO ARELLANO JR. | | 02/01/2008 | 4,416.74 |
| I564125 01 | E0008611 | GENERATOR ONAN W/ TAG# 13-410 | ONAN | CMM7000 | J070112484 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | E | FRANCISCO ARELLANO JR. | | 02/01/2008 | 4,363.53 |
| I564126 01 | E0008612 | COMPUTER CUES PRODATA 2000 W/ TAG#13-410 | CUES | 2000 | | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | E | FRANCISCO ARELLANO JR. | | 02/01/2008 | 0.00 |
| I564127 01 | E0008613 | CAMERA CUES OZIII W/ TAG# 13-410 | CUES | MZ300-4 | 07091302 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | E | FRANCISCO ARELLANO JR. | | 02/01/2008 | 0.00 |
| I564128 01 | E0008614 | CARRIER ULTRA SHORTY 21 W/ TAG# 13-410 | CUES | WM350 | 07110602 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | E | FRANCISCO ARELLANO JR. | | 02/01/2008 | 4.46 |
| I564129 01 | E0008615 | CAMERA CUES OZII W/ TAG# 13-410 | CUES | WS350 | 07111303 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | E | FRANCISCO ARELLANO JR. | | 02/01/2008 | 0.00 |
| I564130 01 | E0008616 | CARRIER CPR W/ TAG# 13-410 | CUES | WS308 | 07111502 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | E | FRANCISCO ARELLANO JR. | | 02/01/2008 | 1.47 |

County of Los Angeles
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ASSETS BY

DIVISION: 49400 Sewer Maintenance Division - Administration
CUSTODIAN: PWFARELLAN
CUSTODIAN NAME: FRANCISCO ARELLANO JR.

| 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 |
|------------|-----------|--|----------------|----------------------|---------------------|--------|---|------|---------|------------------------|-----------------|------------|----------------|
| I564621 01 | E0022879 | DUSTER ROACH/COMPRESSOR QUINCY QT5 SKID MTD W/13-476 | QUINCY | QT5 | QU0904060097 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | E | FRANCISCO ARELLANO JR. | N/A | 07/19/2011 | 4,849.87 |
| I565396 01 | E0043526 | CUES MARK 3 VIDEO CABLE REEL 1000 FT. W/126-009 | CUES | MARK3 | 17012503 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | E | FRANCISCO ARELLANO JR. | | 04/24/2017 | 14,963.29 |
| I565397 01 | E0043527 | CUES PCU MARK 3/DISPLAY CASE W/126-009 | CUES | MARK3 | 17020101 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | E | FRANCISCO ARELLANO JR. | | 04/24/2017 | 15,492.33 |
| I565398 01 | E0043528 | CUES TRANSPORTER ASSY. M/C TRACK WTRIII W/126-009 | CUES | WTRIII | 17020603 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | E | FRANCISCO ARELLANO JR. | | 04/24/2017 | 7,169.74 |
| I565399 01 | E0043529 | CUES CAMERA ASSY. M/C OZIII W/126-009 | CUES | OZIII | 17011805 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | E | FRANCISCO ARELLANO JR. | | 04/24/2017 | 15,521.09 |
| PW15360 | P0009681 | BREATHG APPARATUS SCOTT SCBA S | | TC13F401 | 99100124 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | HINOJOSA, ROBER | 03/01/1999 | 1,145.73 |
| PW15361 | P0009682 | BREATHG APPARATUS SCOTT SCBA S | | TC13F401 | 99100126 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | HINOJOSA, ROBER | 03/01/1999 | 1,145.73 |
| PW15362 | P0009683 | BREATHG APPARATUS SCOTT SCBA | SCOTT | TC13F401 | 99100127 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | HINOJOSA, ROBER | 03/01/1999 | 1,145.73 |
| PW15364 | P0009685 | BREATHG APPARATUS SCOTT SCBA S | | TC13F401 | 99100131 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | HINOJOSA, ROBER | 03/01/1999 | 1,145.73 |
| PW20238 | P0012771 | SONY MAVICA FD-FD92 | SONY | MAVICA FD-FD92 | 010355083A | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | FEESE, JOHN | 01/01/2002 | 450.00 |
| PW26851 | P0018724 | LAPTOP DELL LATITUDE 810 | DELL | 810 LATITUDE | 2X7Q691 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | FEESE, JOHN | 01/01/2006 | 2,098.06 |
| PW28958 | P0015936 | PAVEMENT BREAKER IR/03 90# W/13-361 | INGERSOLL RAND | PROMAXX MX90A W13361 | G03F16678 / 03W0408 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | HINOJOSA, ROBER | 04/01/2004 | 750.00 |

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

DIVISION: 49400 Sewer Maintenance Division - Administration
CUSTODIAN: PWFARELLAN
CUSTODIAN NAME: FRANCISCO ARELLANO JR.

| 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 |
|------------|-----------|---|---------------------------|--------------------|----------------------|--------|---|------|---------|------------------------|------------------|------------|----------------|
| PW29930 | P0029590 | MONITOR DELL ULTRASHARP 1908FP | DELL | ULTRASHARP 1908FP | CN0DY8404663375PGDT0 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | | 09/01/2007 | 268.86 |
| PW30225 | P0031113 | MONITOR 15" SHARP ARQUOS W/ 13-410 | SHARP | ARQUOS | M7T2CM4G070400062M | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | | 02/01/2008 | 1,515.50 |
| PW30266 | P0030126 | MONITOR DELL 2007 WFP | DELL | 2007 WFP | MXOHF730742627BT1HEL | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | TIMOTHY BOHANNON | 12/01/2007 | 395.94 |
| PW30626 | P0031114 | MONITOR VERNEX 19" LCD W/ 13-410 | VERNEX | VER-19LCD | MS9EVSQ07170053 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | | 02/01/2008 | 270.63 |
| PW30627 | P0031115 | TV SHARP 20" LIQUID CRYSTAL W/ 13-410 | SHARP | LC-20SH7U | 709970640 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | | 02/01/2008 | 1,077.09 |
| PW30628 | P0031116 | PRINTER HP DESKJET 5650 W/ 13-410 | HP | C6490EL | MY7531R1BQ | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | | 02/01/2008 | 324.75 |
| PW30630 | P0031118 | PRODATA 2000 CUES CONTROL PANEL W/13-410 | CUES | PRODATA 2000 | 07112003 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | | 02/01/2008 | 4,630.57 |
| PW30631 | P0031119 | STEERABLE TRANS. PCU 1500 W/ 13-410 | CUES | 1500 | 07110901 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | | 02/01/2008 | 4,525.94 |
| PW30632 | P0031120 | POWER CONTROL CUES MODEL 1280 W/ 13-410 | CUES | 1280 | | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | | 02/01/2008 | 3,813.41 |
| PW30633 | P0031121 | CONTROLLER CUES P&T/OZ W/ 13-410 | CUES | P&T | | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | | 02/01/2008 | 1,737.72 |
| PW30634 | P0031122 | CONTROLLER CUES WINCH/REEL W/ 13-410 | CUES | WINCH/REEL | | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | | 02/01/2008 | 611.25 |
| PW30662 | P0031589 | GAS MONITOR INDUSTRIAL SCIENTIFIC CORP ITX 18104307-11014 | INDUSTRIAL SCIENTIFIC COR | ITX 18104307-11014 | 0709189039 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9440 | P | FRANCISCO ARELLANO JR. | HINOJOSA, ROBERT | 10/24/2007 | 1,515.00 |

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

DIVISION: 49400 Sewer Maintenance Division - Administration
CUSTODIAN: PWFARELLAN
CUSTODIAN NAME: FRANCISCO ARELLANO JR.

| 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 |
|------------|-----------|---|---------------------------|---------------------------|----------------------|--------|--|------|---------|------------------------|-----------------------|------------|----------------|
| PW30682 | P0031598 | DOCKING STATION INDUSTRIAL SCIENTIFIC DS2 ITX IDS 1810-5551 | INDUSTRIAL SCIENTIFIC COR | DS2 ITX IDS 1810-5551-000 | 070600W-044 | S351 | Santa Clarita - 21190 Ctr Pointe Parkway 91350(SntCirYd) | 9425 | P | FRANCISCO ARELLANO JR. | HINOJOSA, ROBERT | 06/28/2007 | 1,538.57 |
| PW30866 | P0030520 | MONITOR DELL ULTRASHARP 1908WFP | DELL | ULTRASHARP 1908WFP | CN0GP004728727BU0EGU | S351 | Santa Clarita - 21190 Ctr Pointe Parkway 91350(SntCirYd) | 9425 | P | FRANCISCO ARELLANO JR. | | 03/01/2008 | 250.14 |
| PW31030 | P0031123 | DIGITAL VIDEO CALIPER W/ 13-410 | MICRO IMAGE | VMU300 | 30199 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | | 02/01/2008 | 2,706.25 |
| PW31240 | P0031124 | CONTROLLER CUES TRANSPORTER W/ 13-410 | CUES | TRANSPORTER | | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | | 02/01/2008 | 1,355.12 |
| PW31410 | P0031175 | MONITOR DELL ULTRASHARP 1908WFP | DELL | ULTRASHARP 1908WFP | CN0GP0047287284R1W2S | S351 | Santa Clarita - 21190 Ctr Pointe Parkway 91350(SntCirYd) | 9425 | P | FRANCISCO ARELLANO JR. | JESSE CISNEROS | 07/22/2008 | 229.86 |
| PW33344 | P0032863 | DIGITAL CAMERA CANON POWER SHOT SD1200 IS | CANON | POWER SHOT SD1200 IS | 9026276032 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | JOHN FEESE | 01/26/2010 | 162.43 |
| PW33374 | P0033185 | MONITOR HP L2245WG LCD | HP | L2245WG LCD | 2ME950023D | S351 | Santa Clarita - 21190 Ctr Pointe Parkway 91350(SntCirYd) | 9425 | P | FRANCISCO ARELLANO JR. | N/A | 02/11/2010 | 199.49 |
| PW33545 | P0034744 | FLEET SERIES RESTROOM W/ FLEET SINGLE TRAILER TS-021 | POLYJOHN | FLEET SERIES RESTROOM | 80677 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | | 02/25/2010 | 2,143.02 |
| PW38158 | P0040810 | HP ELITE 6300 PRO COMPUTER | HP | ELITE 6300 PRO | MXL3320968 | S351 | Santa Clarita - 21190 Ctr Pointe Parkway 91350(SntCirYd) | 9425 | P | FRANCISCO ARELLANO JR. | JESSE CISNEROS | 08/20/2013 | 808.78 |
| PW38415 | P0041254 | HP ELITE 6300 PRO COMPUTER | HP | ELITE 6300 PRO | MXL3341SQK | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | N/A | 10/21/2013 | 577.01 |
| PW41022 | P0038529 | INDUSTRIAL SCIENTIFIC MULTI GAS MONITOR | INDUSTRIAL SCIENTIFIC | ITX1810430711014C | 13012YW-002 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | JOHN FEESE (NORTH YD) | 03/01/2013 | 2,210.05 |
| PW41023 | P0038528 | INDUSTRIAL SCIENTIFIC MULTI GAS MONITOR | INDUSTRIAL SCIENTIFIC | ITX1810430711014C | 13012YW-001 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | JOHN FEESE (NORTH YD) | 03/01/2013 | 2,210.05 |

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

DIVISION: 49400 Sewer Maintenance Division - Administration
CUSTODIAN: PWFARELLAN
CUSTODIAN NAME: FRANCISCO ARELLANO JR.

| 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 |
|------------|-----------|---|----------------|--------------|--------------|--------|--|------|---------|------------------------|------------------|------------|----------------|
| PW42440 | P0043659 | HP PRODESK 600G1 - BUSINESS DESKTOP | HP | 600 GI | MXL5100Z38 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | N/A | 03/10/2015 | 607.02 |
| PW42441 | P0043660 | HP PRODESK 600G1 - BUSINESS DESKTOP | HP | 600 GI | MXL5100Z34 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | N/A | 03/10/2015 | 607.02 |
| PW44450 | P0045526 | HARRIS RADIO XG-75 | HARRIS | XG-75 | A4020500457B | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | DERAOLD DOLITTLE | 10/01/2015 | 2,800.00 |
| PW44461 | P0045537 | HARRIS RADIO XG-75 | HARRIS | XG-75 | A402050044F6 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | DERAOLD DOLITTLE | 10/01/2015 | 2,800.00 |
| PW44462 | P0045538 | HARRIS RADIO XG-75 | HARRIS | XG-75 | A40205004587 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | DERAOLD DOLITTLE | 10/01/2015 | 2,800.00 |
| PW44463 | P0045539 | HARRIS RADIO XG-75 | HARRIS | XG-75 | A4020500463F | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | DERAOLD DOLITTLE | 10/01/2015 | 2,800.00 |
| PW45711 | P0047150 | HAMMER INGERSOLL RAND MX90-STD 14W08 1 W/21-321 | INGERSOLL RAND | MX90-STD | 14W08 1 | S351 | Santa Clarita - 21190 Ctr Pointe Parkway 91350(SntCirYd) | 9425 | P | FRANCISCO ARELLANO JR. | | 10/27/2016 | 2,071.00 |
| PW46747 | P0048672 | DELL OPTIPLEX 7440 AIO - BUSINESS ALL-IN-ONE | DELL | 7440 AIO | 2NTRKH2 | S351 | Santa Clarita - 21190 Ctr Pointe Parkway 91350(SntCirYd) | 9425 | P | FRANCISCO ARELLANO JR. | JESSE R CISNEROS | 05/10/2017 | 862.50 |
| PW46748 | P0048673 | DELL OPTIPLEX 7440 AIO - BUSINESS ALL-IN-ONE | DELL | 7440 AIO | 2NVCHH2 | S351 | Santa Clarita - 21190 Ctr Pointe Parkway 91350(SntCirYd) | 9425 | P | FRANCISCO ARELLANO JR. | JESSE R CISNEROS | 05/10/2017 | 862.50 |
| PW47510 | P0049507 | DELL OPTIPLEX 7440 AIO - BUSINESS ALL-IN-ONE | DELL | 7440 AIO | HZTCHL2 | S351 | Santa Clarita - 21190 Ctr Pointe Parkway 91350(SntCirYd) | 9425 | P | FRANCISCO ARELLANO JR. | COMMUNITY | 09/25/2017 | 866.46 |
| PW47612 | P0049613 | DELL OPTIPLEX 7440 AIO - BUSINESS ALL-IN-ONE | DELL | 7440 AIO | 2MT4JL2 | S351 | Santa Clarita - 21190 Ctr Pointe Parkway 91350(SntCirYd) | 9425 | P | FRANCISCO ARELLANO JR. | COMMUNITY | 10/11/2017 | 868.44 |
| PW47807 | P0049833 | VIEWSONIC VG2439SMH - 24 INCH | VIEWSONIC | VG2439SMH | UBX174140799 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | DERAOLD DOLITTLE | 11/28/2017 | 175.70 |

County of Los Angeles
Department of Public Works
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ASSETS BY

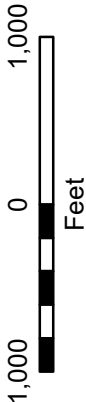
DIVISION: 49400 Sewer Maintenance Division - Administration
CUSTODIAN: PWFARELLAN
CUSTODIAN NAME: FRANCISCO ARELLANO JR.

| 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 |
|---------------------------------|-----------|---|--------------|---------------|-----------|--------|--|------|---------|------------------------|---------------|------------|----------------|
| PW47848 | P0049818 | DELL OPTIPLEX 7440 AIO - BUSINESS ALL-IN-ONE | DELL | 7440 AIO | 1ZGX7M2 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | COMMUNITY | 11/30/2017 | 868.45 |
| PW47849 | P0049819 | DELL OPTIPLEX 7440 AIO - BUSINESS ALL-IN-ONE | DELL | 7440 AIO | 1ZGY7M2 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | COMMUNITY | 11/30/2017 | 868.45 |
| PW51373 | P0051133 | DELL OPTIPLEX 7450 AIO - BUSINESS ALL-IN-ONE | DELL | 7450 AIO | 8DHFQ2 | S351 | Santa Clarita - 21190 Ctr Pointe Parkway 91350(SntCirYd) | 9425 | P | FRANCISCO ARELLANO JR. | COMMUNITY | 07/17/2018 | 1,018.35 |
| PW51389 | P0051124 | DELL P2417H - 24 INCH | DELL | P2417H | 7JWMP2 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | N/A | 07/23/2018 | 162.18 |
| PW51766 | P0051334 | DELL OPTIPLEX 7445 AIO - PERFORMANCE ALL-IN-ONE | DELL | 7450 AIO | 76WRHQ2 | S351 | Santa Clarita - 21190 Ctr Pointe Parkway 91350(SntCirYd) | 9425 | P | FRANCISCO ARELLANO JR. | ALFREDO DURAN | 09/10/2018 | 1,372.31 |
| PW53288 | P0054306 | DELL P2219H - 22 INCH | DELL | P2219H | 3PCW6W2 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9440 | P | FRANCISCO ARELLANO JR. | COMMUNITY | 07/31/2019 | 140.14 |
| PW54043 | P0054475 | OPTIPLEX 7060 PERF DESKTOP | DELL | OPTIPLEX 7060 | 3PTCPY2 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9440 | P | FRANCISCO ARELLANO JR. | COMMUNITY | 08/19/2019 | 886.81 |
| PW6150 | P0021086 | FUEL PUMP CONTROL BOX S930410 | | | 9304107 | L511 | Lancaster - 45712 N. Division 93534 (SM North Yard) | 9423 | P | FRANCISCO ARELLANO JR. | FEESE, JOHN | 01/01/1995 | 1.00 |
| TOTAL FOR CUSTODIAN: PWFARELLAN | | | | | | | | | | | 1,825,493.21 | | |

APPENDIX D

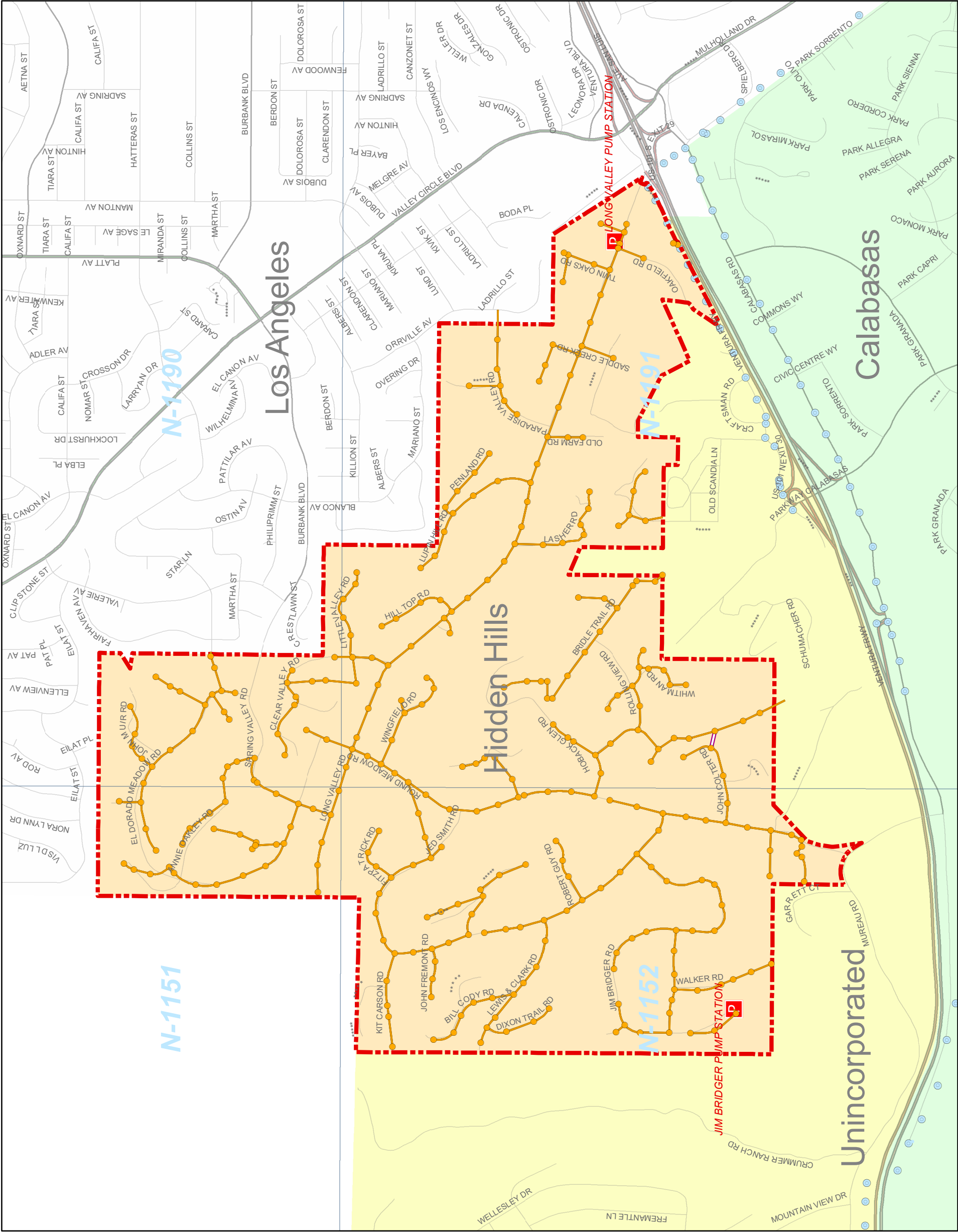
INVENTORY OF COLLECTION FACILITIES

Sewer Facilities in the City of Hidden Hills



Legend

- SMD Manholes
- Trunk Sewer MHs
- Gravity Sewers
- Siphons
- Trunk Main Lines
- SMD Operations Maps



SMD Sewers in the City of Hidden Hills

| PIPE_LOCN | DIAMETER (in) | STREET | P_LENGTH (ft) | JUR | MATL |
|---------------------|---------------|--------------------|---------------|-----|------|
| 0001/1151-0002/1151 | 8 | LONG VALLEY RD | 325 | HHL | VCP |
| 0001/1190-0007/1151 | 8 | SPRING VALLEY RD | 262 | HHL | VCP |
| 0001/1190-0017/1190 | 8 | SPRING VALLEY RD | 48 | HHL | VCP |
| 0001/1191-0002/1191 | 8 | ROUND MEADOW RD | 192 | HHL | VCP |
| 0001/1191-0067/1152 | 8 | | 391 | HHL | VCP |
| 0001/1191-0068/1152 | 8 | ROUND MEADOW RD | 259 | HHL | VCP |
| 0002/1151-0003/1151 | 8 | LONG VALLEY RD | 275 | HHL | VCP |
| 0002/1190-0003/1190 | 8 | ROUND MEADOW RD | 265 | HHL | VCP |
| 0002/1191-0003/1191 | 8 | ROUND MEADOW RD | 195 | HHL | VCP |
| 0003/1151-0005/1151 | 8 | LONG VALLEY RD | 350 | HHL | VCP |
| 0003/1191-0004/1191 | 8 | ROUND MEADOW RD | 189 | HHL | VCP |
| 0003/1191-0029/1191 | 8 | WINGFIELD RD | 310 | HHL | VCP |
| 0004/1151-0005/1151 | 8 | LONG VALLEY RD | 300 | HHL | VCP |
| 0004/1190-0005/1190 | 8 | CLEAR VALLEY RD | 290 | HHL | VCP |
| 0004/1191-0006/1191 | 8 | ROUND MEADOW RD | 199 | HHL | VCP |
| 0005/1151-0006/1151 | 8 | SPRING VALLEY RD | 220 | HHL | VCP |
| 0005/1190-0006/1190 | 8 | CLEAR VALLEY RD | 415 | HHL | VCP |
| 0005/1191-0004/1151 | 8 | LONG VALLEY RD | 298 | HHL | VCP |
| 0005/1191-0006/1191 | 8 | LONG VALLEY RD | 216 | HHL | VCP |
| 0006/1151-0008/1151 | 8 | SPRING VALLEY RD | 189 | HHL | VCP |
| 0006/1190-0007/1190 | 8 | CLEAR VALLEY RD | 128 | HHL | VCP |
| 0006/1191-0002/1190 | 8 | ROUND MEADOW RD | 320 | HHL | VCP |
| 0006/1191-0007/1191 | 8 | LONG VALLEY RD | 156 | HHL | VCP |
| 0007/1151-0008/1151 | 8 | SPRING VALLEY RD | 284 | HHL | VCP |
| 0007/1190-0010/1190 | 8 | CLEAR VALLEY RD | 204 | HHL | VCP |
| 0007/1191-0008/1191 | 8 | LONG VALLEY RD | 376 | HHL | VCP |
| 0008/1151-0009/1151 | 8 | ELDORADO MEADOW RD | 305 | HHL | VCP |
| 0008/1190-0009/1190 | 8 | | 155 | HHL | VCP |
| 0008/1190-0040/1191 | 8 | | 347 | HHL | VCP |
| 0008/1191-0009/1191 | 8 | LONG VALLEY RD | 299 | HHL | VCP |
| 0009/1151-0013/1151 | 8 | ELDORADO MEADOW RD | 215 | HHL | VCP |
| 0009/1190-0010/1190 | 8 | | 295 | HHL | VCP |
| 0009/1191-0010/1191 | 8 | LONG VALLEY RD | 269 | HHL | VCP |
| 0010/1151-0011/1151 | 8 | | 52 | HHL | VCP |
| 0010/1190-0011/1190 | 8 | CLEAR VALLEY RD | 173 | HHL | VCP |
| 0010/1191-0011/1191 | 8 | LONG VALLEY RD | 358 | HHL | VCP |
| 0010/1191-0041/1191 | 8 | CLEAR VALLEY RD | 216 | HHL | VCP |
| 0011/1151-0012/1151 | 8 | | 287 | HHL | VCP |
| 0011/1151-0031/1151 | 8 | | 40 | HHL | VCP |
| 0011/1191-0012/1191 | 8 | LONG VALLEY RD | 516 | HHL | VCP |
| 0012/1151-0013/1151 | 8 | | 89 | HHL | VCP |
| 0012/1191-0013/1191 | 8 | LITTLE HOLLOW RD | 210 | HHL | VCP |
| 0012/1191-0014/1191 | 8 | LONG VALLEY RD | 117 | HHL | VCP |
| 0013/1151-0014/1151 | 8 | ELDORADO MEADOW RD | 331 | HHL | VCP |

| PIPE_LOCN | DIAMETER (in) | STREET | P_LENGTH (ft) | JUR | MATL |
|---------------------|---------------|--------------------|---------------|-----|------|
| 0014/1151-0015/1151 | 8 | ELDORADO MEADOW RD | 300 | HHL | VCP |
| 0014/1191-0015/1191 | 8 | LONG VALLEY RD | 252 | HHL | VCP |
| 0014/1191-0046/1191 | 8 | HILLTOP RD | 203 | HHL | VCP |
| 0015/1151-0016/1151 | 8 | ELDORADO MEADOW RD | 314 | HHL | VCP |
| 0015/1191-0016/1191 | 8 | LONG VALLEY RD | 319 | HHL | VCP |
| 0016/1151-0017/1151 | 8 | ELDORADO MEADOW RD | 275 | HHL | VCP |
| 0016/1191-0017/1191 | 8 | LONG VALLEY RD | 303 | HHL | VCP |
| 0017/1151-0018/1151 | 8 | ELDORADO MEADOW RD | 304 | HHL | VCP |
| 0017/1190-0018/1190 | 8 | SPRING VALLEY RD | 275 | HHL | VCP |
| 0017/1191-0018/1191 | 8 | LONG VALLEY RD | 253 | HHL | VCP |
| 0018/1151-0019/1151 | 8 | ELDORADO MEADOW RD | 95 | HHL | VCP |
| 0018/1190-0019/1190 | 8 | | 213 | HHL | VCP |
| 0018/1191-0019/1191 | 10 | LONG VALLLEY RD | 219 | HHL | VCP |
| 0018/1191-0050/1191 | 8 | LASHER RD | 336 | HHL | VCP |
| 0019/1151-0020/1151 | 8 | ANNIE OAKLEY RD | 244 | HHL | VCP |
| 0019/1190-0020/1190 | 8 | | 126 | HHL | VCP |
| 0019/1191-0020/1191 | 10 | LONG VALLLEY RD | 309 | HHL | VCP |
| 0020/1151-0021/1151 | 8 | ANNIE OAKLEY RD | 200 | HHL | VCP |
| 0020/1190-0021/1190 | 8 | | 150 | HHL | VCP |
| 0020/1191-0021/1191 | 10 | LONG VALLLEY RD | 229 | HHL | VCP |
| 0021/1151-0022/1151 | 8 | ANNIE OAKLEY RD | 180 | HHL | VCP |
| 0021/1190-0030/1151 | 8 | | 280 | HHL | VCP |
| 0021/1191-0022/1191 | 10 | LONG VALLLEY RD | 239 | HHL | VCP |
| 0021/1191-0056/1191 | 8 | PENLAND RD | 405 | HHL | VCP |
| 0022/1190-0023/1190 | 8 | ELDORADO MEADOW RD | 226 | HHL | VCP |
| 0022/1190-0025/1151 | 8 | ELDORADO MEADOW RD | 227 | HHL | VCP |
| 0022/1191-0023/1191 | 10 | LONG VALLLEY RD | 347 | HHL | VCP |
| 0023/1151-0024/1151 | 8 | ELDORADO MEADOW RD | 330 | HHL | VCP |
| 0023/1190-0024/1190 | 8 | ELDORADO MEADOW RD | 296 | HHL | VCP |
| 0023/1190-0037/1190 | 8 | ANGELICA RD | 150 | HHL | VCP |
| 0023/1191-0024/1191 | 10 | LONG VALLEY RD | 374 | HHL | VCP |
| 0023/1191-0027/1191 | 8 | OLD FARM RD | 242 | HHL | VCP |
| 0024/1151-0025/1151 | 8 | ELDORADO MEADOW RD | 329 | HHL | VCP |
| 0024/1190-0025/1190 | 8 | ELDORADO MEADOW RD | 350 | HHL | VCP |
| 0024/1191-0025/1191 | 10 | LONG VALLEY RD | 409 | HHL | VCP |
| 0025/1151-0026/1151 | 8 | WILLIAM BENT RD | 270 | HHL | VCP |
| 0025/1190-0026/1190 | 8 | ELDORADO MEADOW RD | 349 | HHL | VCP |
| 0025/1191-0137/1191 | 10 | | 265 | HHL | VCP |
| 0026/1190-0027/1190 | 8 | ELDORADO MEADOW RD | 159 | HHL | VCP |
| 0026/1190-0034/1190 | 8 | | 335 | HHL | VCP |
| 0026/1191-0135/1191 | 8 | | 215 | HHL | VCP |
| 0027/1151-0028/1151 | 8 | ANNIE OAKLEY RD | 218 | HHL | VCP |
| 0027/1190-0028/1190 | 8 | ELDORADO MEADOW RD | 110 | HHL | VCP |
| 0027/1190-0030/1190 | 8 | | 255 | HHL | VCP |
| 0027/1191-0028/1191 | 8 | OLD FARM RD | 179 | HHL | VCP |
| 0028/1151-0029/1151 | 8 | ANNIE OAKLEY RD | 300 | HHL | VCP |

| PIPE_LOCN | DIAMETER (in) | STREET | P_LENGTH (ft) | JUR | MATL |
|---------------------|---------------|--------------------|---------------|-----|------|
| 0028/1190-0029/1190 | 8 | ELDORADO MEADOW RD | 173 | HHL | VCP |
| 0028/1190-0032/1190 | 8 | | 283 | HHL | VCP |
| 0029/1151-0030/1151 | 8 | ANNIE OAKLEY RD | 231 | HHL | VCP |
| 0029/1191-0030/1191 | 8 | WINGFIELD RD | 360 | HHL | VCP |
| 0030/1190-0031/1190 | 8 | | 110 | HHL | VCP |
| 0030/1191-0031/1191 | 8 | WINGFIELD RD | 235 | HHL | VCP |
| 0030/1191-0034/1191 | 8 | DEEP WELL RD | 182 | HHL | VCP |
| 0031/1151-0032/1151 | 8 | | 215 | HHL | VCP |
| 0031/1191-0032/1191 | 8 | WINGFIELD RD | 253 | HHL | VCP |
| 0032/1151-0033/1151 | 8 | | 317 | HHL | VCP |
| 0032/1190-0033/1190 | 8 | | 145 | HHL | DIP |
| 0032/1191-0033/1191 | 8 | WINGFIELD RD | 171 | HHL | VCP |
| 0033/1190-CITY/1190 | 8 | | 18 | HHL | VCP |
| 0034/1190-0035/1190 | 8 | | 132 | HHL | VCP |
| 0035/1190-0036/1190 | 8 | | 203 | HHL | VCP |
| 0035/1191-0036/1191 | 8 | BONNEVILLE RD | 329 | HHL | VCP |
| 0035/1191-0072/1152 | 8 | BONNEVILLE RD | 280 | HHL | VCP |
| 0036/1191-0037/1191 | 8 | BONNEVILLE RD | 139 | HHL | VCP |
| 0037/1190-0038/1190 | 8 | ANGELICA RD | 200 | HHL | VCP |
| 0037/1191-0038/1191 | 8 | BONNEVILLE RD | 129 | HHL | VCP |
| 0038/1190-0039/1190 | 8 | ANGELICA RD | 153 | HHL | VCP |
| 0038/1191-0039/1191 | 8 | BONNEVILLE RD | 163 | HHL | VCP |
| 0039/1190-0040/1190 | 8 | ANGELICA RD | 350 | HHL | VCP |
| 0040/1191-0042/1191 | 8 | | 312 | HHL | VCP |
| 0041/1191-0042/1191 | 8 | CLEAR VALLEY RD | 226 | HHL | VCP |
| 0042/1191-0012/1190 | 8 | CLEAR VALLEY RD | 200 | HHL | VCP |
| 0042/1191-0043/1191 | 8 | LITTLE VALLEY RD | 275 | HHL | VCP |
| 0043/1191-0044/1191 | 8 | LITTLE VALLEY RD | 236 | HHL | VCP |
| 0044/1191-0045/1191 | 8 | LITTLE VALLEY RD | 252 | HHL | VCP |
| 0045/1191-0283/1191 | 8 | LITTLE VALLEY RD | 232 | HHL | VCP |
| 0046/1191-0047/1191 | 8 | HILLTOP RD | 256 | HHL | VCP |
| 0047/1191-0048/1191 | 8 | HILLTOP RD | 352 | HHL | VCP |
| 0048/1191-0049/1191 | 8 | HILLTOP RD | 190 | HHL | VCP |
| 0050/1191-0051/1191 | 8 | LASHER RD | 238 | HHL | VCP |
| 0051/1152-0052/1152 | 8 | | 296 | HHL | VCP |
| 0051/1191-0052/1191 | 8 | LASHER RD | 283 | HHL | VCP |
| 0052/1152-0053/1152 | 8 | KIT CARSON RD | 136 | HHL | VCP |
| 0052/1191-0053/1191 | 8 | LASHER RD | 138 | HHL | VCP |
| 0053/1152-0054/1152 | 8 | KIT CARSON RD | 304 | HHL | VCP |
| 0053/1191-0054/1191 | 8 | LASHER RD | 233 | HHL | VCP |
| 0054/1152-0055/1152 | 8 | KIT CARSON RD | 346 | HHL | VCP |
| 0054/1191-0055/1191 | 8 | LASHER RD | 206 | HHL | VCP |
| 0055/1152-0056/1152 | 8 | JED SMITH RD | 219 | HHL | VCP |
| 0055/1152-0120/1152 | 8 | JED SMITH RD | 227 | HHL | VCP |
| 0056/1152-0057/1152 | 8 | JED SMITH RD | 335 | HHL | VCP |
| 0056/1191-0057/1191 | 8 | PENLAND RD | 339 | HHL | VCP |

| PIPE_LOCN | DIAMETER (in) | STREET | P_LENGTH (ft) | JUR | MATL |
|---------------------|---------------|--------------------|---------------|-----|------|
| 0057/1152-0058/1152 | 8 | JED SMITH RD | 250 | HHL | VCP |
| 0057/1191-0058/1191 | 8 | PENLAND RD | 319 | HHL | VCP |
| 0058/1152-0059/1152 | 8 | JED SMITH RD | 248 | HHL | VCP |
| 0058/1191-0059/1191 | 8 | LUPIN HILL RD | 248 | HHL | VCP |
| 0058/1191-0062/1191 | 8 | PENLAND RD | 136 | HHL | VCP |
| 0059/1152-0060/1152 | 8 | JED SMITH RD | 310 | HHL | VCP |
| 0059/1152-0063/1152 | 8 | FITZPATRIK RD | 229 | HHL | VCP |
| 0059/1191-0060/1191 | 8 | LUPIN HILL RD | 315 | HHL | VCP |
| 0060/1152-0061/1152 | 8 | JED SMITH RD | 228 | HHL | VCP |
| 0060/1191-0061/1191 | 8 | LUPIN HILL RD | 221 | HHL | VCP |
| 0061/1152-0062/1152 | 8 | JED SMITH RD | 177 | HHL | VCP |
| 0061/1152-0066/1152 | 8 | | 295 | HHL | VCP |
| 0062/1191-0063/1191 | 8 | PENLAND RD | 239 | HHL | VCP |
| 0063/1152-0064/1152 | 8 | FITZPATRIK RD | 226 | HHL | VCP |
| 0063/1191-0064/1191 | 8 | PENLAND RD | 304 | HHL | VCP |
| 0064/1152-0065/1152 | 8 | FITZPATRIK RD | 285 | HHL | VCP |
| 0064/1191-0065/1191 | 8 | PENLAND RD | 289 | HHL | VCP |
| 0066/1152-0067/1152 | 8 | | 291 | HHL | VCP |
| 0066/1191-0067/1191 | 8 | PARADISE VALLEY RD | 236 | HHL | VCP |
| 0067/1191-0068/1191 | 8 | PARADISE VALLEY RD | 196 | HHL | VCP |
| 0068/1152-0069/1152 | 8 | ROUND MEADOW RD | 339 | HHL | VCP |
| 0068/1191-0069/1191 | 8 | | 350 | HHL | VCP |
| 0068/1191-0070/1191 | 8 | PARADISE VALLEY RD | 211 | HHL | VCP |
| 0069/1152-0070/1152 | 8 | ROUND MEADOW RD | 326 | HHL | VCP |
| 0070/1152-0071/1152 | 8 | ROUND MEADOW RD | 265 | HHL | VCP |
| 0070/1191-0134/1191 | 8 | | 350 | HHL | VCP |
| 0071/1152-0072/1152 | 8 | ROUND MEADOW RD | 257 | HHL | VCP |
| 0073/1152-0074/1152 | 8 | ROUND MEADOW RD | 296 | HHL | VCP |
| 0074/1152-0075/1152 | 8 | ROUND MEADOW RD | 287 | HHL | VCP |
| 0075/1152-0076/1152 | 8 | ROUND MEADOW RD | 289 | HHL | VCP |
| 0077/1152-0078/1152 | 8 | ROUND MEADOW RD | 331 | HHL | VCP |
| 0078/1152-0079/1152 | 8 | ROUND MEADOW RD | 321 | HHL | VCP |
| 0079/1152-0080/1152 | 8 | ROUND MEADOW RD | 277 | HHL | VCP |
| 0079/1152-0089/1152 | 8 | JED SMITH RD | 215 | HHL | VCP |
| 0080/1152-0081/1152 | 8 | ROUND MEADOW RD | 240 | HHL | VCP |
| 0081/1152-0082/1152 | 8 | ROUND MEADOW RD | 240 | HHL | VCP |
| 0082/1152-0083/1152 | 8 | ROUND MEADOW RD | 262 | HHL | VCP |
| 0082/1152-0086/1152 | 8 | JOHN COLTER RD | 242 | HHL | VCP |
| 0083/1152-0084/1152 | 8 | ROUND MEADOW RD | 281 | HHL | VCP |
| 0084/1152-0085/1152 | 8 | ROUND MEADOW RD | 246 | HHL | VCP |
| 0084/1152-0087/1152 | 8 | | 241 | HHL | VCP |
| 0085/1152-0307/1152 | 8 | | 127 | HHL | VCP |
| 0087/1152-0088/1152 | 8 | | 305 | HHL | VCP |
| 0089/1152-0090/1152 | 8 | JED SMITH RD | 384 | HHL | VCP |
| 0090/1152-0091/1152 | 8 | JIM BRIDGER RD | 232 | HHL | VCP |
| 0090/1152-0098/1152 | 8 | JED SMITH RD | 296 | HHL | VCP |

| PIPE_LOCN | DIAMETER (in) | STREET | P_LENGTH (ft) | JUR | MATL |
|---------------------|---------------|--------------------|---------------|-----|-------|
| 0090/1191-0358/1191 | 8 | | 208 | HHL | DIP |
| 0091/1152-0092/1152 | 8 | JIM BRIDGER RD | 248 | HHL | VCP |
| 0092/1152-0093/1152 | 8 | JIM BRIDGER RD | 442 | HHL | VCP |
| 0092/1191-0093/1191 | 8 | | 116 | HHL | ABSCP |
| 0093/1152-0094/1152 | 8 | JIM BRIDGER RD | 170 | HHL | VCP |
| 0093/1191-0094/1191 | 8 | | 219 | HHL | ABSCP |
| 0094/1152-0095/1152 | 8 | JIM BRIDGER RD | 270 | HHL | VCP |
| 0094/1191-0095/1191 | 8 | | 80 | HHL | ABSCP |
| 0095/1152-0096/1152 | 8 | JIM BRIDGER RD | 361 | HHL | VCP |
| 0095/1191-0096/1191 | 8 | | 327 | HHL | ABSCP |
| 0096/1152-0097/1152 | 8 | JIM BRIDGER RD | 270 | HHL | VCP |
| 0096/1191-0097/1191 | 8 | | 183 | HHL | ABSCP |
| 0096/1191-0099/1191 | 8 | BRIDLE TRAIL RD | 343 | HHL | ABSCP |
| 0097/1152-0135/1152 | 8 | JIM BRIDGER RD | 196 | HHL | VCP |
| 0097/1191-0098/1191 | 8 | | 294 | HHL | ABSCP |
| 0098/1152-0099/1152 | 8 | JED SMITH RD | 304 | HHL | VCP |
| 0099/1152-0100/1152 | 8 | JED SMITH RD | 265 | HHL | VCP |
| 0099/1191-0100/1191 | 8 | BRIDLE TRAIL RD | 300 | HHL | ABSCP |
| 0100/1152-0101/1152 | 8 | ROBERT GUY RD | 323 | HHL | VCP |
| 0100/1152-0104/1152 | 8 | JED SMITH RD | 219 | HHL | VCP |
| 0100/1191-0101/1191 | 8 | BRIDLE TRAIL RD | 340 | HHL | ABSCP |
| 0101/1152-0102/1152 | 8 | ROBERT GUY RD | 226 | HHL | VCP |
| 0101/1191-0102/1191 | 8 | | 325 | HHL | ABSCP |
| 0102/1152-0103/1152 | 8 | ROBERT GUY RD | 263 | HHL | VCP |
| 0102/1191-0285/1191 | 8 | | 32 | HHL | VCP |
| 0104/1152-0105/1152 | 8 | JED SMITH RD | 295 | HHL | VCP |
| 0105/1152-0106/1152 | 8 | JED SMITH RD | 303 | HHL | VCP |
| 0105/1152-0109/1152 | 8 | LEWIS AND CLARK RD | 257 | HHL | VCP |
| 0106/1152-0107/1152 | 8 | JED SMITH RD | 175 | HHL | VCP |
| 0106/1191-0107/1191 | 8 | | 192 | HHL | VCP |
| 0107/1152-0108/1152 | 8 | JED SMITH RD | 261 | HHL | VCP |
| 0107/1191-0108/1191 | 8 | BEALBY HEATON RD | 213 | HHL | VCP |
| 0108/1191-0109/1191 | 8 | | 276 | HHL | VCP |
| 0108/1191-0111/1191 | 8 | ROLLING VIEW RD | 264 | HHL | VCP |
| 0109/1152-0110/1152 | 8 | LEWIS AND CLARK RD | 342 | HHL | VCP |
| 0109/1191-0110/1191 | 8 | | 240 | HHL | VCP |
| 0109/1191-0290/1191 | 8 | | 110 | HHL | ABSCP |
| 0110/1152-0111/1152 | 8 | LEWIS AND CLARK RD | 245 | HHL | VCP |
| 0111/1152-0112/1152 | 8 | LEWIS AND CLARK RD | 175 | HHL | VCP |
| 0111/1191-0118/1191 | 8 | ROLLING VIEW RD | 295 | HHL | VCP |
| 0112/1152-0113/1152 | 8 | LEWIS AND CLARK RD | 353 | HHL | VCP |
| 0112/1152-0115/1152 | 8 | BILL CODY RD | 257 | HHL | VCP |
| 0112/1191-0113/1191 | 8 | HOBACK GLEN RD | 229 | HHL | VCP |
| 0113/1152-0327/1152 | 8 | LEWIS AND CLARK RD | 160 | HHL | VCP |
| 0113/1191-0114/1191 | 8 | HOBACK GLEN RD | 85 | HHL | VCP |
| 0114/1152-0327/1152 | 8 | LEWIS AND CLARK RD | 194 | HHL | VCP |

| PIPE_LOCN | DIAMETER (in) | STREET | P_LENGTH (ft) | JUR | MATL |
|---------------------|---------------|--------------------|---------------|-----|------|
| 0114/1191-0115/1191 | 8 | HOBACK GLEN RD | 310 | HHL | VCP |
| 0115/1152-0116/1152 | 8 | BILL CODY RD | 229 | HHL | VCP |
| 0115/1191-0116/1191 | 8 | HOBACK GLEN RD | 235 | HHL | VCP |
| 0115/1191-0117/1191 | 8 | SCOTT ROBERTSON RD | 227 | HHL | VCP |
| 0116/1152-0117/1152 | 8 | BILL CODY RD | 226 | HHL | VCP |
| 0116/1191-0076/1152 | 8 | HOBACK GLEN RD | 282 | HHL | VCP |
| 0117/1152-0118/1152 | 8 | BILL CODY RD | 224 | HHL | VCP |
| 0117/1191-0118/1191 | 8 | SCOTT ROBERTSON RD | 390 | HHL | VCP |
| 0118/1152-0119/1152 | 8 | BILL CODY RD | 271 | HHL | VCP |
| 0118/1191-0120/1191 | 8 | SCOTT ROBERTSON RD | 338 | HHL | VCP |
| 0119/1191-0120/1191 | 8 | | 180 | HHL | VCP |
| 0120/1152-0121/1152 | 8 | JED SMITH RD | 226 | HHL | VCP |
| 0120/1191-0121/1191 | 8 | | 238 | HHL | VCP |
| 0121/1152-0122/1152 | 8 | JOHN FREMONT RD | 158 | HHL | VCP |
| 0121/1152-0125/1152 | 8 | JED SMITH RD | 211 | HHL | VCP |
| 0121/1191-0122/1191 | 8 | | 163 | HHL | VCP |
| 0122/1152-0123/1152 | 8 | JOHN FREMONT RD | 228 | HHL | VCP |
| 0122/1191-0123/1191 | 8 | | 281 | HHL | VCP |
| 0123/1152-0124/1152 | 8 | JOHN FREMONT RD | 220 | HHL | VCP |
| 0123/1191-0124/1191 | 8 | | 332 | HHL | VCP |
| 0123/1191-0132/1191 | 6 | | 162 | HHL | VCP |
| 0124/1191-0125/1191 | 8 | | 215 | HHL | VCP |
| 0125/1152-0126/1152 | 8 | JED SMITH RD | 258 | HHL | VCP |
| 0125/1191-0126/1191 | 8 | | 334 | HHL | VCP |
| 0126/1152-0127/1152 | 8 | JACOB HAMBLIN RD | 263 | HHL | VCP |
| 0127/1152-0128/1152 | 8 | JACOB HAMBLIN RD | 269 | HHL | VCP |
| 0128/1152-0129/1152 | 8 | | 320 | HHL | VCP |
| 0128/1152-0131/1152 | 8 | JACOB HAMBLIN RD | 81 | HHL | VCP |
| 0129/1152-0130/1152 | 8 | | 170 | HHL | VCP |
| 0130/1152-0134/1152 | 8 | | 173 | HHL | VCP |
| 0131/1152-0132/1152 | 8 | | 266 | HHL | VCP |
| 0131/1191-0132/1191 | 8 | JOHN COLTER RD | 367 | HHL | VCP |
| 0132/1152-0133/1152 | 8 | | 334 | HHL | VCP |
| 0132/1191-0133/1191 | 8 | JOHN COLTER RD | 379 | HHL | VCP |
| 0133/1191-0086/1152 | 8 | JOHN COLTER RD | 337 | HHL | VCP |
| 0134/1191-CITY/1191 | 8 | | 340 | HHL | VCP |
| 0135/1152-0136/1152 | 8 | JIM BRIDGER RD | 363 | HHL | VCP |
| 0135/1152-0137/1152 | 8 | ASHLEY RIDGE RD | 251 | HHL | VCP |
| 0135/1191-0136/1191 | 8 | | 247 | HHL | VCP |
| 0136/1152-0338/1152 | 8 | JIM BRIDGER RD | 188 | HHL | VCP |
| 0136/1191-0137/1191 | 8 | | 320 | HHL | VCP |
| 0137/1152-0138/1152 | 8 | ASHLEY RIDGE RD | 286 | HHL | VCP |
| 0137/1191-0139/1191 | 10 | LONG VALLEY RD | 107 | HHL | VCP |
| 0138/1152-0300/1152 | 8 | ASHLEY RIDGE RD | 180 | HHL | VCP |
| 0138/1191-0139/1191 | 8 | SADDLE CREEK RD | 400 | HHL | VCP |
| 0139/1191-0140/1191 | 10 | LONG VALLEY RD | 301 | HHL | VCP |

| PIPE_LOCN | DIAMETER (in) | STREET | P_LENGTH (ft) | JUR | MATL |
|---------------------|---------------|------------------|---------------|-----|-------|
| 0140/1191-0141/1191 | 10 | LONG VALLEY RD | 347 | HHL | VCP |
| 0141/1191-0142/1191 | 10 | LONG VALLEY RD | 315 | HHL | VCP |
| 0142/1191-0143/1191 | 8 | TWINOAKS RD | 196 | HHL | VCP |
| 0142/1191-0147/1191 | 8 | LONG VALLEY RD | 282 | HHL | VCP |
| 0143/1191-0144/1191 | 8 | TWINOAKS RD | 365 | HHL | VCP |
| 0144/1191-0145/1191 | 8 | TWINOAKS RD | 52 | HHL | VCP |
| 0144/1191-0146/1191 | 8 | | 331 | HHL | VCP |
| 0147/1191-0148/1191 | 8 | OAKFIELD RD | 324 | HHL | VCP |
| 0147/1191-0151/1191 | 8 | LONG VALLEY RD | 57 | HHL | VCP |
| 0149/1191-0150/1191 | 8 | | 56 | HHL | VCP |
| 0149/1191-PUMP/1191 | 6 | | 951 | HHL | CAS |
| 0151/1191-0152/1191 | 8 | LONG VALLEY RD | 143 | HHL | VCP |
| 0151/1191-PUMP/1191 | 8 | | 62 | HHL | VCP |
| 0152/1191-0153/1191 | 8 | | 320 | HHL | VCP |
| 0152/1191-0154/1191 | 8 | LONG VALLEY RD | 102 | HHL | VCP |
| 0283/1191-0284/1191 | 8 | LITTLE VALLEY RD | 148 | HHL | VCP |
| 0285/1191-0286/1191 | 8 | | 205 | HHL | VCP |
| 0286/1191-0287/1191 | 8 | | 75 | HHL | VCP |
| 0287/1191-0288/1191 | 8 | | 169 | HHL | VCP |
| 0288/1191-0289/1191 | 8 | | 284 | HHL | VCP |
| 0290/1191-0291/1191 | 8 | WHITMAN RD | 200 | HHL | ABSCP |
| 0291/1191-0292/1191 | 8 | WHITMAN RD | 202 | HHL | ABSCP |
| 0292/1191-0293/1191 | 8 | | 145 | HHL | ABSCP |
| 0300/1152-0301/1152 | 8 | WALKER RD | 272 | HHL | VCP |
| 0300/1152-0331/1152 | 8 | ASHLEY RIDGE RD | 135 | HHL | VCP |
| 0301/1152-0302/1152 | 8 | WALKER RD | 304 | HHL | VCP |
| 0302/1152-0303/1152 | 8 | WALKER RD | 154 | HHL | VCP |
| 0302/1152-PUMP/1152 | 4 | | 351 | HHL | DIP |
| 0303/1152-0317/1152 | 8 | | 230 | HHL | VCP |
| 0304/1152-0305/1152 | 8 | JIM BRIDGER RD | 329 | HHL | VCP |
| 0304/1152-PUMP/1152 | 8 | JIM BRIDGER RD | 31 | HHL | VCP |
| 0305/1152-0306/1152 | 8 | JIM BRIDGER RD | 284 | HHL | VCP |
| 0307/1152-0308/1152 | 8 | | 73 | HHL | VCP |
| 0308/1152-0309/1152 | 8 | | 106 | HHL | VCP |
| 0309/1152-0310/1152 | 8 | | 72 | HHL | VCP |
| 0310/1152-0311/1152 | 8 | | 301 | HHL | VCP |
| 0317/1152-0318/1152 | 8 | | 260 | HHL | VCP |
| 0327/1152-0328/1152 | 8 | DIXON TRAIL RD | 249 | HHL | VCP |
| 0328/1152-0329/1152 | 8 | DIXON TRAIL RD | 348 | HHL | VCP |
| 0329/1152-0330/1152 | 8 | DIXON TRAIL RD | 240 | HHL | VCP |
| 0331/1152-0332/1152 | 8 | ASHLEY RIDGE RD | 158 | HHL | VCP |
| 0332/1152-0333/1152 | 8 | ASHLEY RIDGE RD | 234 | HHL | VCP |
| 0333/1152-0334/1152 | 8 | JIM BRIDGER RD | 350 | HHL | VCP |
| 0334/1152-0335/1152 | 8 | JIM BRIDGER RD | 215 | HHL | VCP |
| 0335/1152-0336/1152 | 8 | JIM BRIDGER RD | 260 | HHL | VCP |
| 0335/1152-0337/1152 | 8 | BUTTERFIELD RD | 134 | HHL | VCP |

| PIPE_LOCN | DIAMETER (in) | STREET | P_LENGTH (ft) | JUR | MATL |
|---------------------|---------------|----------------|---------------|-----|------|
| 0338/1152-0339/1152 | 8 | JIM BRIDGER RD | 254 | HHL | VCP |
| 0339/1152-0340/1152 | 8 | JIM BRIDGER RD | 194 | HHL | VCP |
| 0358/1191-0359/1191 | 8 | | 205 | HHL | VCP |
| 0359/1191-0360/1191 | 8 | | 292 | HHL | VCP |
| 0360/1191-0361/1191 | 8 | | 287 | HHL | VCP |
| 0361/1191-0362/1191 | 8 | | 184 | HHL | VCP |

Count Pipes: 326

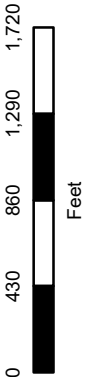
APPENDIX E
CONDITION ASSESSMENT
WORK SCHEDULE



City of Hidden Hills CCTV Inspection Scheduled for FY 2020-2021

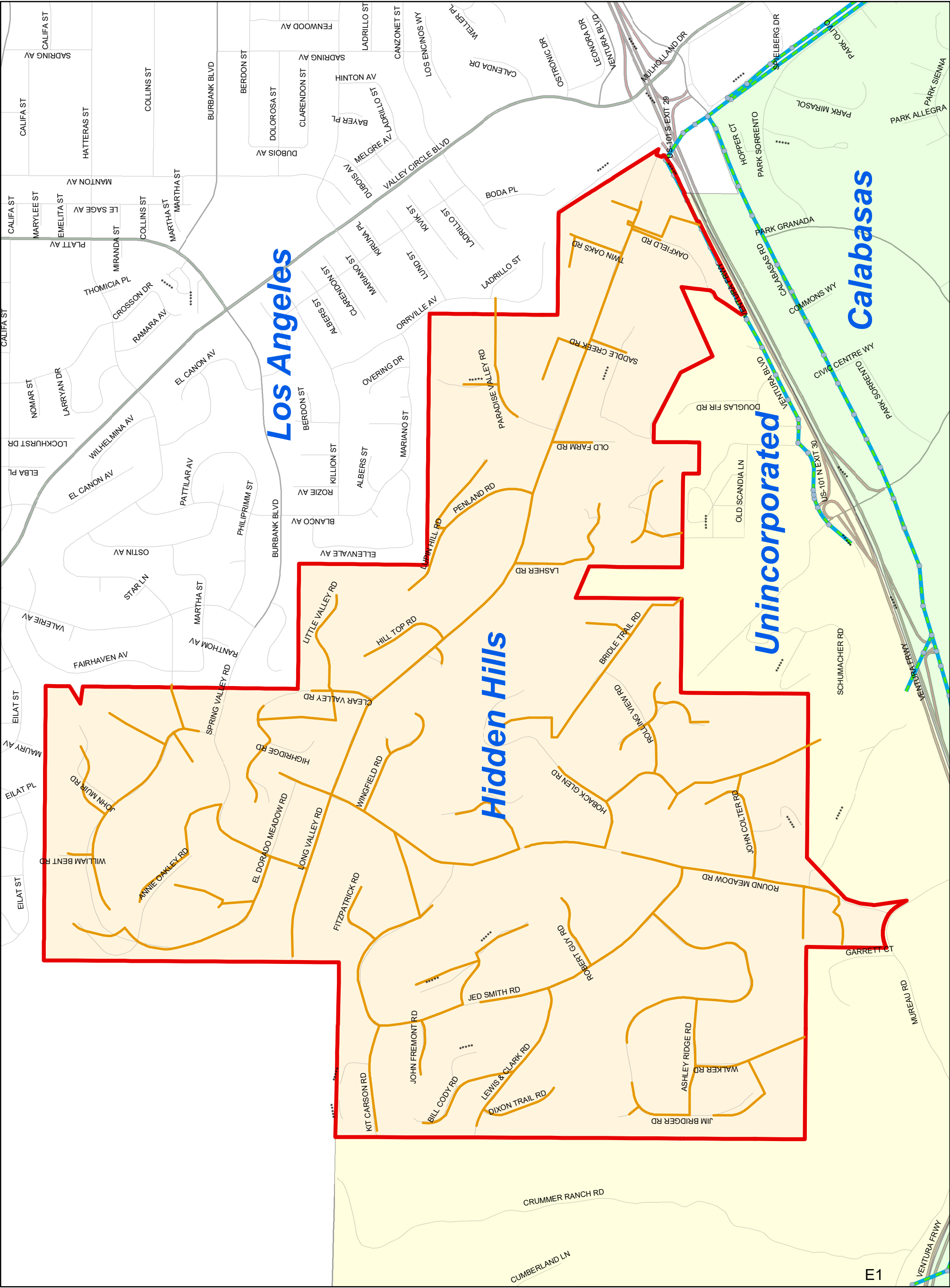
Legend

- Trunk Sewer Lines
- CCTV Project
- Boundary
- Approximately 14 miles of sewer lines will be inspected in FY 2020-21



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June 2020



APPENDIX F

PRODUCTIVITY REPORT

**SEWER MAINTENANCE PRODUCTIVITY REPORT
COLLECTION SYSTEM - DIVISION LEVEL
FIELD WORK COMPLETED: January 1 to December 31, 2010
City of Hidden Hills**

Total pipe length (feet) as of December 31, 2010: 78,822

Total manholes as of December 31, 2010: 305

PREVENTIVE MAINTENANCE ACTIVITIES

Sewer Pipe

- Hydro Cleaned (feet): 13,100
 - Periodic Cleaning (feet): 0
- Mechanically Rodded (feet): 12,903
 - Periodic Cleaning (feet): 12,100

Manholes

- Inspected: 610
- Adjusted: 2

SERVICE REQUESTS

Responded to:

- | | |
|----------------------------------|---|
| ● Stoppages: | 0 |
| ● Overflows: | 1 |
| ● Floodouts: | 0 |
| ● Roach complaints: | 0 |
| ● Misc: | 1 |
| ● Others: | 0 |
| ● False alarm : | 2 |
| ● Service requests responded to: | 4 |

TELEVISIONING

Feet Televised: 1,326

ROOT CONTROL

Sewer pipe were treated for roots (feet): 0

CONSTRUCTION

Saddles Installed(s): 0

PUMP STATIONS

Total number of pump stations: 2
Total Routine Maintenance/Repair: 112
Total Major Repairs: 0
Total Emergency Response: 12

ANNEXATIONS

Parcels annexed to the District: 0

ACCUMULATIVE CAPITAL OUTLAY PROJECTS

Sewer project reconstructed/rehabilitated: 0

**SEWER MAINTENANCE PRODUCTIVITY REPORT
COLLECTION SYSTEM - DIVISION LEVEL
FIELD WORK COMPLETED: January 1 to December 31, 2011
City of Hidden Hills**

Total Pipe Length (feet) as of December 31, 2011: 78,091

Total Manholes as of December 31, 2011: 305

PREVENTIVE MAINTENANCE ACTIVITIES

Sewer Pipe

- Hydro Cleaned (feet): 5,000
 - Periodic Cleaning (feet): 0
- Mechanically Rodded (feet): 22,354
 - Period Cleaning (feet): 12,604

Manholes

- Inspected: 610
- Adjusted: 1

SERVICE REQUESTS

Responded to:

- False Alarms: 0
- Stoppages: 0
- Overflows: 0
- Floodouts: 0
- Roach Complaints: 0
- Misc.: 1
- Others: 1
- Service Requests Responded to: 2

TELEVISION

Feet Televised: 0

ROOT CONTROL

Sewer Pipe Treated for Roots (feet): 0

CONSTRUCTION

Saddle Installation(s): 0

PUMP STATIONS

Total Number of Pump Stations: 2

Total Routine Maintenance/Repair: 131

Total Major Repairs: 0

Total Emergency Response: 3

ANNEXATIONS

Parcel(s) Annexed to the District: 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, 2012
City of Hidden Hills**

Total Pipe Length (feet) as of December 31, 2012: 76,589

Total Manholes as of December 31, 2012: 305

PREVENTIVE MAINTENANCE ACTIVITIES

Sewer Pipe

- Hydro Cleaned (feet): 6,650
 - Periodic Cleaning (feet): 0
- Mechanically Rodded (feet): 14,207
 - Period Cleaning (feet): 6,457

Manholes

- Inspected: 610
- Adjusted: 18

SERVICE REQUESTS

Responded to:

- False Alarms: 2
- Stoppages: 0
- Overflows: 0
- Floodouts: 0
- Roach Complaints: 0
- Misc.: 0
- Others: 0
- Service Requests Responded to: 2

TELEVISION

Feet Televised: 0

ROOT CONTROL

Sewer Pipe Treated for Roots (feet): 0

CONSTRUCTION

Saddle Installation(s): 0

PUMP STATIONS

Total Number of Pump Stations: 2

Total Routine Maintenance/Repair: 120

Total Major Repairs: 2

Total Emergency Response: 1

ANNEXATIONS

Parcel(s) Annexed to the District: 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, 2013
City of HIDDEN HILLS**

Total pipe length (feet) as of December 31, 2013: 80,724

Total manholes as of December 31, 2013: 324

PREVENTIVE MAINTENANCE ACTIVITIES

Sewer Pipe

- Hydro Cleaned (feet): 9,108
 - Periodic Cleaning (feet): 0
- Mechanically Rodded (feet): 18,488
 - Periodic Cleaning (feet): 7,113

Manholes

- Inspected: 842
- Adjusted: 0

SERVICE REQUESTS

Responded to:

- False Alarms: 0
- Stoppages: 0
- Overflows: 1
- Floodouts: 0
- Roach Complaints: 0
- Misc.: 2
- Others: 0
- Service requests responded to: 3

TELEVISION

Feet Televised: 7,171

ROOT CONTROL

Sewer pipe treated for roots (feet): 0

CONSTRUCTION

Saddle installation(s): 1

PUMP STATIONS

Total number of pump stations: 2

Total Routine Maintenance/Repair: 124

Total Major Repairs: 14

Total Emergency Response: 2

ANNEXATIONS

Parcel(s) annexed to the District: 0

ACCUMULATIVE CAPITAL OUTLAY PROJECTS

Sewer projects reconstructed/rehabilitated: 0

**SEWER MAINTENANCE PRODUCTIVITY REPORT
COLLECTION SYSTEM - DIVISION LEVEL
FIELD WORK COMPLETED: January 1, 2014 to December 31, 2014
City of HIDDEN HILLS**

Total Pipe Length (feet) as of December 31, 2014: 80,724

Total Manholes as of December 31, 2014: 324

PREVENTIVE MAINTENANCE ACTIVITIES

Sewer Pipe

- Hydro Cleaned (feet): 72,585
 - Periodic Cleaning (feet): 0
- Mechanically Rodded (feet): 37,249
 - Periodic Cleaning (feet): 23,176

Manholes

- Inspected: 648
- Adjusted: 1

SERVICE REQUESTS

Responded to:

- False Alarms: 0
- Stoppages: 1
- Overflows: 3
- Floodouts: 0
- Roach Complaints: 0
- Misc.: 0
- Others: 0
- Service requests responded to: 4

TELEVISION

Feet Televised: 62,947

ROOT CONTROL

Sewer Pipe Treated for Roots (feet): 0

CONSTRUCTION

Saddle Installation(s): 0

PUMP STATIONS

Total Number of Pump Stations: 2

Total Routine Maintenance/Repair: 154

Total Major Repairs: 6

Total Emergency Response: 5

ANNEXATIONS

Parcel(s) Annexed to the District: 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, 2015
CITY OF HIDDEN HILLS**

Total Pipe Length (feet) as of December 31, 2015: 80,704

Total Manholes as of December 31, 2015: 324

PREVENTIVE MAINTENANCE ACTIVITIES

Sewer Pipe

- Hydro Cleaned (feet): 9,480
 - Periodic Cleaning (feet): 0
- Mechanically Rodded (feet): 22,360
 - Periodic Cleaning (feet): 19,035

Manholes

- Inspected: 648
- Adjusted: 5

SERVICE REQUESTS

Responded to:

- Stoppages: 0
- Overflows: 0
- Flood-outs: 0
- Roach Complaints: 0
- Misc.: 1
- Other: 0
- False Alarms: 1
- Service Requests Responded to: 2

TELEVISION

Feet Televised: 0

ROOT CONTROL

Sewer Pipes Treated for Roots (feet): 0

CONSTRUCTION

Saddle Installation(s): 0

PUMP STATIONS

Total Number of Pump Stations: 2

Total Routine Maintenance/Repair: 152

Total Major Repairs: 4

Total Emergency Response: 3

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, 2016
CITY OF HIDDEN HILLS**

Total Pipe Length (feet) as of December 31, 2016: 80,704

Total Manholes as of December 31, 2016: 326

PREVENTIVE MAINTENANCE ACTIVITIES

Sewer Pipe

- Hydro Cleaned (feet): 12,100
 - Periodic Cleaning (feet): 5,500
- Mechanically Rodded (feet): 23,778
 - Periodic Cleaning (feet): 22,740

Manholes

- Inspected: 652
- Adjusted: 0

SERVICE REQUESTS

Responded to:

- Stoppages: 0
- Overflows: 0
- Flood-outs: 0
- Roach Complaints: 0
- Misc.: 0
- Other: 0
- False Alarms: 0
- Service Requests Responded to: 0

TELEVISION

Feet Televised: 0

ROOT CONTROL

Sewer Pipes Treated for Roots (feet): 0

CONSTRUCTION

Saddle Installation(s): 0

PUMP STATIONS

Total Number of Pump Stations: 2

Total Routine Maintenance/Repair: 105

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 HIDDEN HILLS**

Total Pipe Length (feet) as of December 31, 2017: 80,704

Total Manholes as of December 31, 2017: 326

PREVENTIVE MAINTENANCE ACTIVITIES

Sewer Pipe

- Hydro Cleaned (feet): 28,253
 - Periodic Cleaning (feet): 12,350
- Mechanically Rodded (feet): 28,173
 - Periodic Cleaning (feet): 17,470

Manholes

- Inspected: 652
- Adjusted: 1

SERVICE REQUESTS

Responded to:

- Stoppages: 0
- Overflows: 2
- Flood-outs: 0
- Roach Complaints: 0
- Misc.: 0
- Other: 0
- False Alarms: 1
- Service Requests Responded to: 3

TELEVISION

Feet Televised: 1,094

ROOT CONTROL

Sewer Pipes Treated for Roots (feet): 0

CONSTRUCTION

Saddle Installation(s): 0

PUMP STATIONS

Total Number of Pump Stations: 2

Total Routine: 105

Maintenance/Repair: 0

Total Major Repairs: 4

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 - CITY OF HIDDEN HILLS
Period from January 01, 2018 to December 31, 2018

Total pipe length (feet) as of December 31, 2018: 80,426
Total manholes as of December 31, 2018: 326

PREVENTIVE MAINTENANCE ACTIVITIES

| | |
|-----------------------------|--------|
| Sewer Pipe | |
| Hydro Cleaning (feet): | 10,049 |
| Periodic Cleaning (feet): | 2,000 |
| Mechanically Rodded (feet): | 12,393 |
| Periodic Cleaning (feet): | 6,753 |

| | |
|------------|-----|
| Manholes | |
| Inspected: | 652 |
| Adjusted: | 0 |

SERVICE REQUESTS

| | |
|--------------------------------|---|
| Responded to: | |
| False Alarms: | 0 |
| Stoppages: | 0 |
| Overflows: | 1 |
| Floodouts: | 0 |
| Roach Complaints: | 0 |
| Misc.: | 0 |
| Other: | 0 |
| Service requests responded to: | 1 |

TELEVISIONING

Feet Televised: 199

ROOT CONTROL

Sewer pipe treated for roots (feet): 0

CONSTRUCTION

Saddles Installed(s): 0

PUMP STATIONS

| | |
|-----------------------------------|-----|
| Total number of pump stations: | 2 |
| Total Routine Maintenance/Repair: | 107 |
| Total Major Repairs: | 0 |
| Total Emergency Response: | 7 |

ANNEXATIONS

Parcel(s) annexed to the District:

ACCUMULATIVE CAPITAL OUTLAY PROJECTS

Sewer projects reconstructed/rehabilitated:

SEWER MAINTENANCE PRODUCTIVITY REPORT COLLECTION SYSTEM - CITY OF HIDDEN HILLS

Period from January 1 to December 31, 2019

Total pipe length (feet) as of December 31, 2019: 80,704

Total manholes as of December 31, 2019: 326

PREVENTIVE MAINTENANCE ACTIVITIES

Sewer Pipe

| | |
|-----------------------------|-------|
| Hydro Cleaning (feet): | 1,900 |
| Periodic Cleaning (feet): | 1,900 |
| Mechanically Rodded (feet): | 3,750 |
| Periodic Cleaning (feet): | 2,500 |

Manholes

| | |
|------------|-----|
| Inspected: | 652 |
| Adjusted: | 0 |

SERVICE REQUESTS

Responded to:

| | |
|--------------------------------|---|
| False Alarms: | 0 |
| Stoppages: | 0 |
| Overflows: | 0 |
| Floodouts: | 0 |
| Roach Complaints: | 0 |
| Misc.: | 0 |
| Other: | 0 |
| Service requests responded to: | 0 |

TELEVISION

Feet Televised: 0

ROOT CONTROL

Sewer pipe treated for roots (feet): 0

CONSTRUCTION

Saddles Installed(s): 0

PUMP STATIONS

Total number of pump stations: 2
Total Routine Maintenance/Repair: 136
Total Major Repairs: 4
Total Emergency Response: 6

ANNEXATIONS

Parcel(s) annexed to the District:

ACCUMULATIVE CAPITAL OUTLAY PROJECTS

Sewer projects reconstructed/rehabilitated:

APPENDIX G
SANITARY SEWER OVERFLOW
LOCATION MAP

This map illustrates the Hidden Hills area in California. The city boundary is outlined in blue. Major roads shown include Burbank Blvd, Valley Circle Blvd, and Long Valley Rd. Surrounding areas are labeled as Los Angeles to the west and Calabasas to the east. The map also shows various local streets and landmarks within the Hidden Hills community.

Legend

| ID | DATE_ | DESCRIPTION | CAUSE | EST_GAL | DUR_HR |
|----|------------|---|----------------------|---------|--------|
| 1 | 7/20/2010 | 24529 Deepwell Road | Roots&Grease | 40 | 1.5 |
| 2 | 11/26/2013 | 6155 Spring Valley Rd/ Eldorado Meadow Rd | Heavy Rags | 150 | 3 |
| 3 | 2/26/2014 | 24529 Deep Well Rd/ Wingfield Rd | Roots | 20 | 2 |
| 4 | 3/10/2014 | Round Meadow Rd/ Jed Smith Rd | Roots, Rags & Grease | 100 | 1.5 |
| 5 | 11/27/2014 | 24406 Long Valley Rd/ Hill Top Rd | Roots | 500 | 3 |
| 6 | 4/9/2017 | 5481 Round Meadow Rd / Bonneville Rd | Rocks & Debris | 500 | 10 |
| 7 | 7/7/2017 | 24946 Jim Bridger Rd / Jed Smith Rd | Roots & Paper | 25 | 2.5 |
| 8 | 1/16/2018 | 5819 Fitzpatrick Rd / Jed Smith Rd | Grass & Rags | 600 | 3 |
| 9 | 4/30/2019 | 24208 Bridle Trail Rd. | Roots | 600 | 2 |

