



# 10-Year Capital Improvement Projects Plan

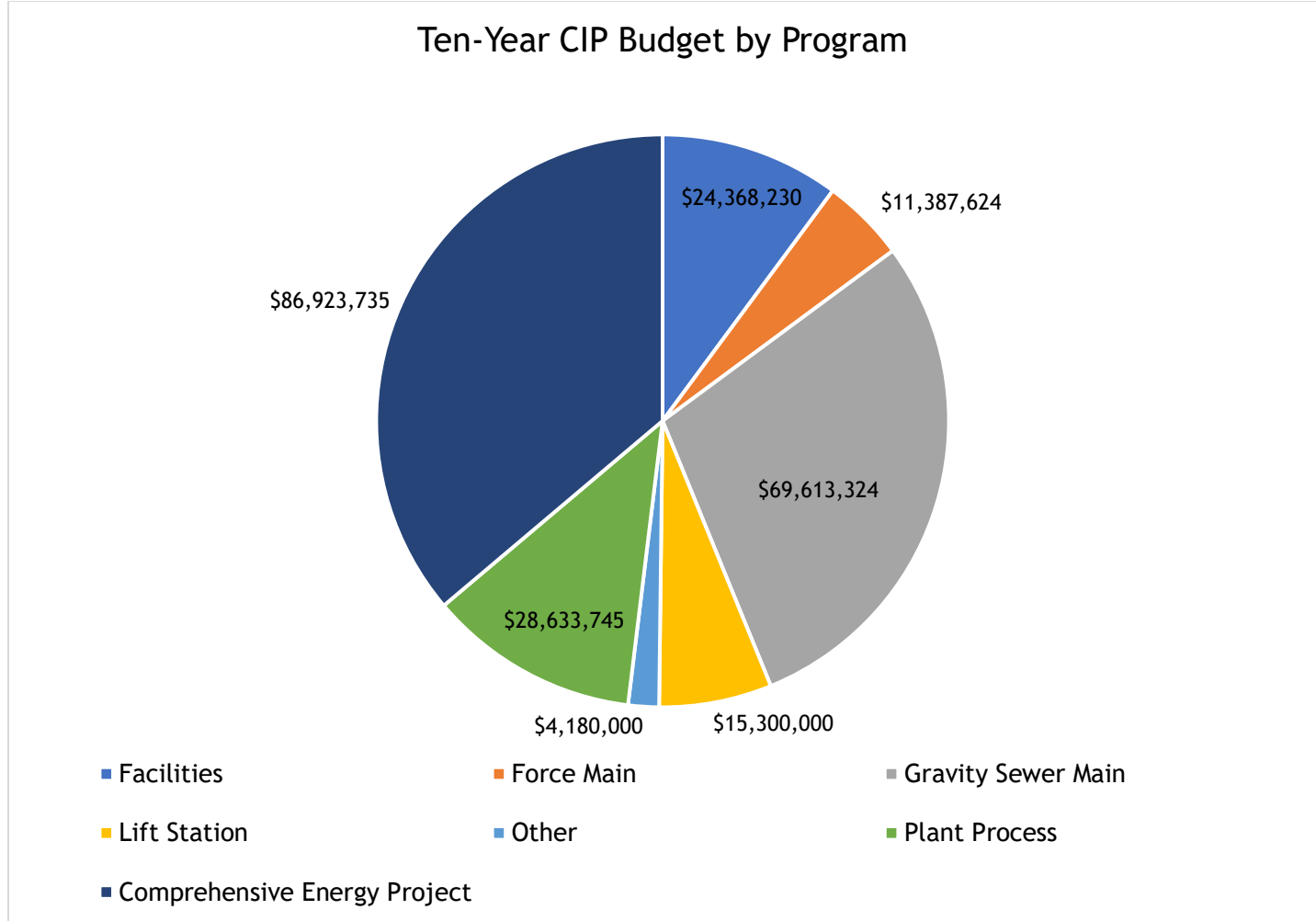
Prepared by the Infrastructure and Planning Department

July 19, 2023

The Infrastructure and Planning Department is responsible for the planning and delivery of all capital improvement projects (CIP) identified in the 10-Year Capital Improvement Projects Plan. The chart below represents the total CIP budget for fiscal years 2024-2033; the individual project summaries contained in this report focus only on fiscal years 2024-2028. There are seven CIP Programs including:

1. **Comprehensive Energy Project Program (Clean & Green)**, which consists of several projects intended to reduce energy consumption and GHG emissions through various upgrades at the Water Quality & Resource Recovery Plant (WQRRP), the Hilltop campus, and several of WCW's lift station sites;
2. **Gravity Sewer Program**, which consists of several projects intended to improve collection system reliability;
3. **Force Main Program**, which consists of several projects intended to improve the pressurized pipes within the overall sewer system through assessment, repair and replacement of all WCW-maintained force mains;
4. **Lift Station Program**, which consists of several projects intended to increase efficiency and reliability of service at WCW-maintained lift stations through electrical, mechanical, and structural upgrades;
5. **Plant Process Program**, which consists of several projects intended to improve the wastewater treatment efficiency at the WQRRP;
6. **Facilities Program**, which consists of several projects intended to improve safety and aesthetics (i.e., noise and seismic upgrades);
7. **Other Program**, which consists of various studies used for planning purposes.

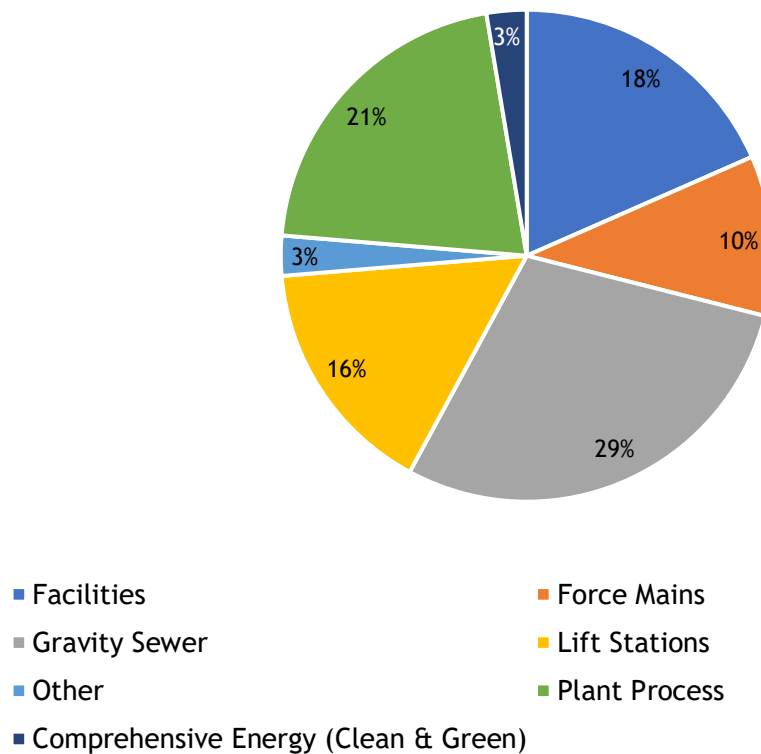
The 10-Year CIP Plan is a living document subject to adjustment. The Plan consists of projections based on current information, including condition and needs assessments as well as regulatory requirements. After the 10-Year CIP Plan is approved, the staff brings a Two-Year budget to the Board for adoption. During the presentation of the budget for adoption, staff will make plan adjustments where necessary to accommodate changing operational needs and regulatory requirements.



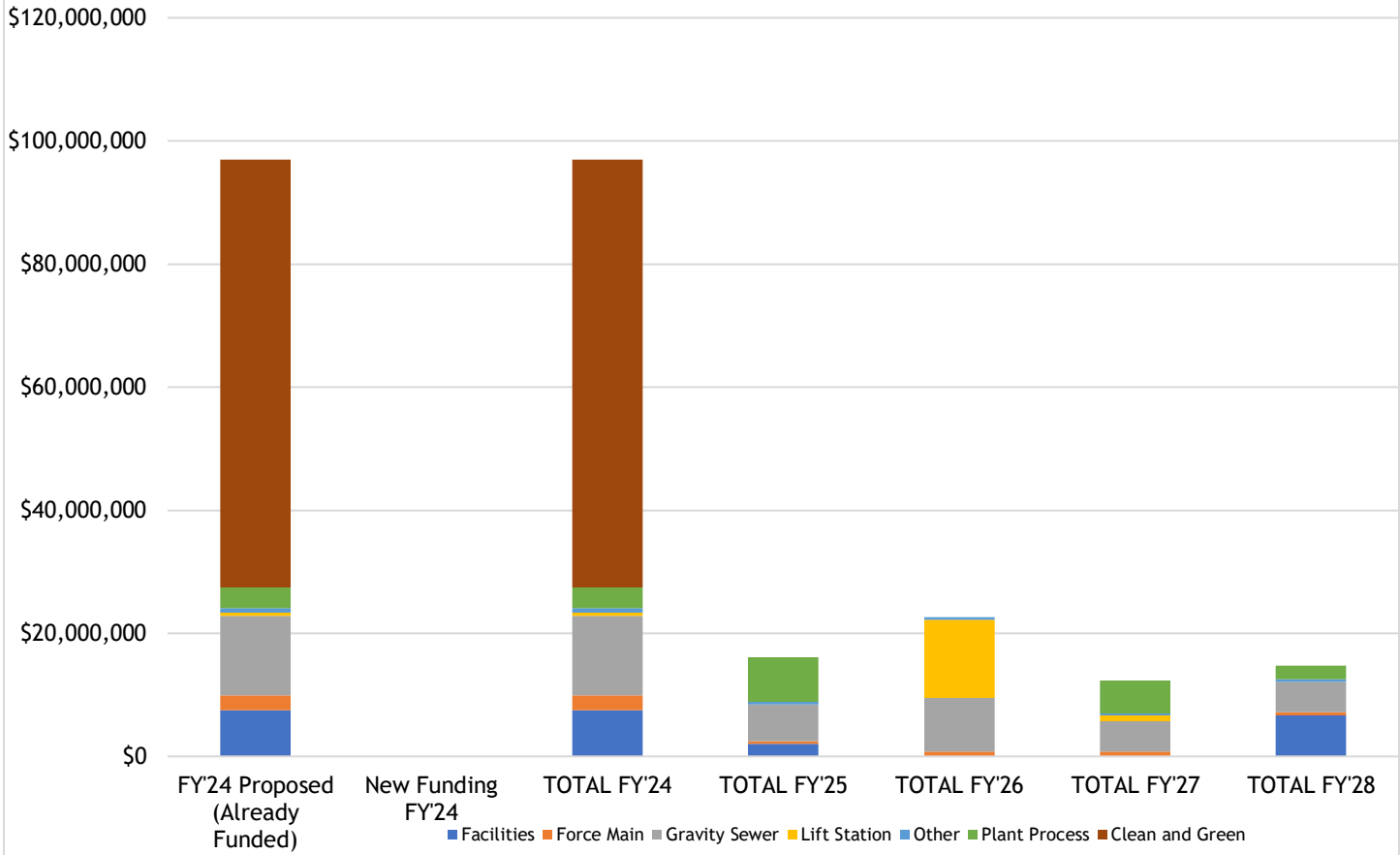
There are a total of 38 projects included in the Ten-Year CIP Plan from FY 24 to FY 33 as shown in the Table and Chart below by Program.

Ten-Year CIP by Program	No. of CIP
Facilities	6
Force Mains	4
Gravity Sewer	8
Lift Station	5
Other	1
Plant Process	8
Clean & Green (Formerly Comprehensive Energy Service Company)	1
TOTAL:	33

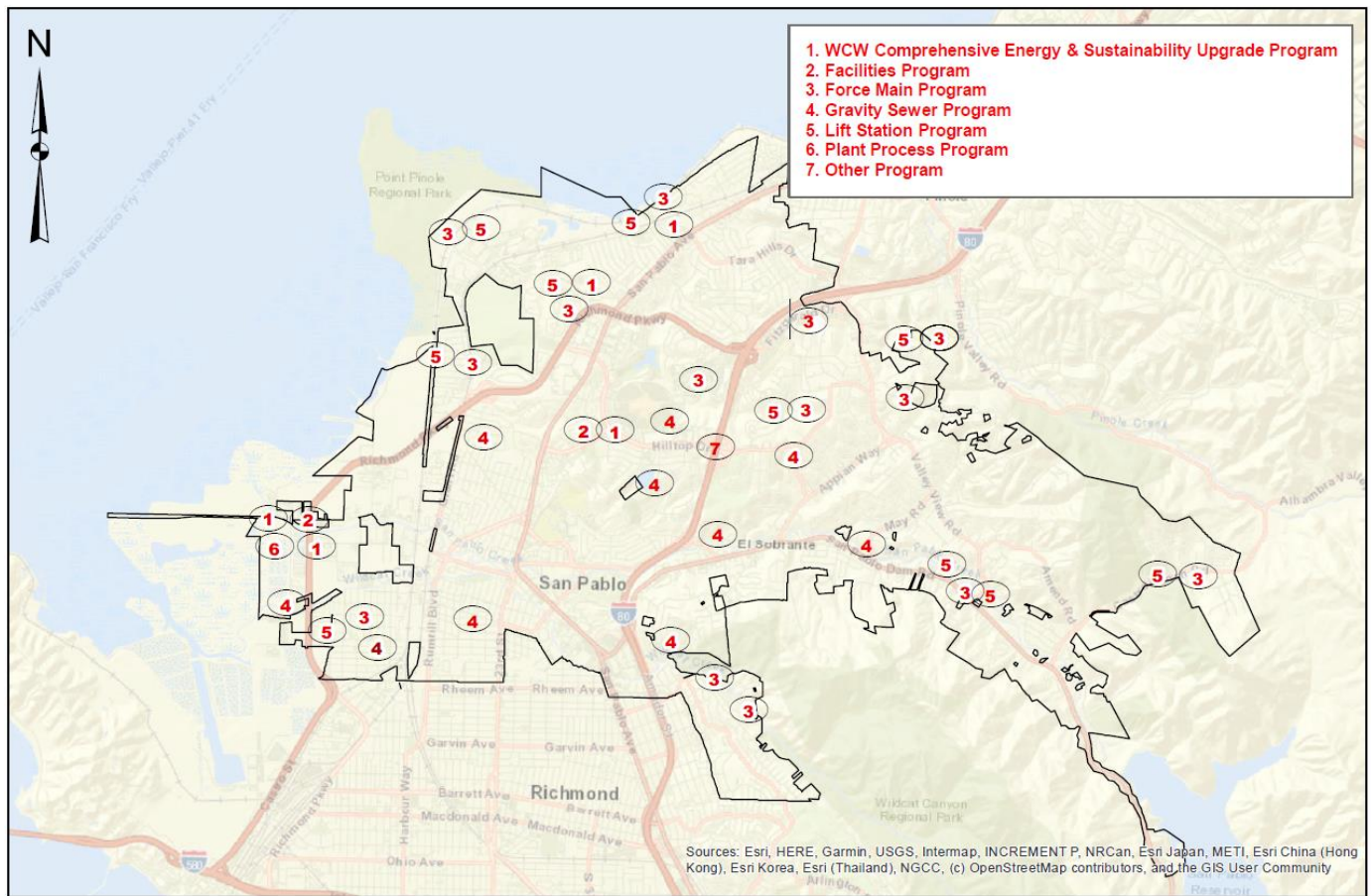
Ten-Year CIP by Program in Percentage




## 5-Year CIP Budget by Fiscal Year and Program

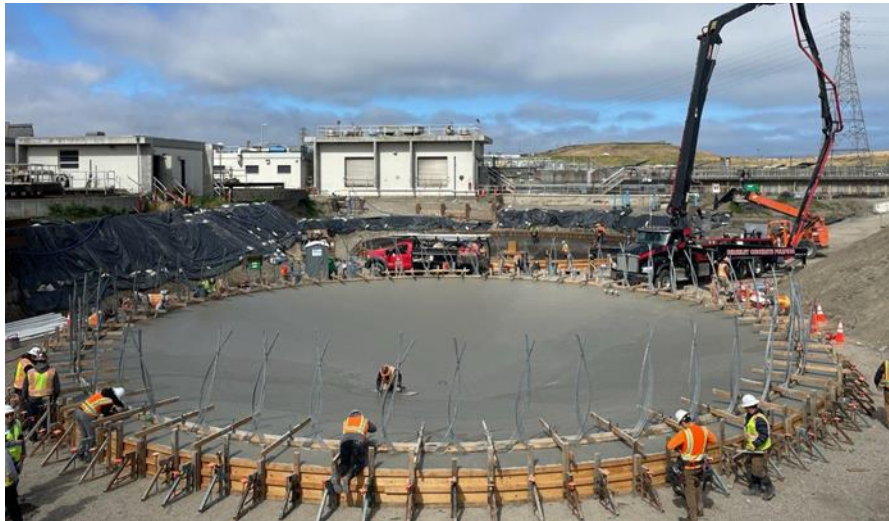


Program	TOTAL FY'24	TOTAL FY'25	TOTAL FY'26	TOTAL FY'27	TOTAL FY'28
Facilities	\$7,498,765	\$2,000,000	\$0	\$0	\$6,650,000
Force Main	\$2,374,152	\$500,000	\$750,000	\$750,000	\$500,000
Gravity Sewer	\$12,929,825	\$6,000,000	\$8,700,000	\$5,000,000	\$5,000,000
Lift Station	\$548,360	\$0	\$12,800,000	\$900,000	\$0
Other	\$760,000	\$380,000	\$380,000	\$380,000	\$380,000
Plant Process	\$3,343,419	\$7,233,693	\$0	\$5,318,797	\$2,204,202
Clean & Green (Comprehensive Energy)	\$69,541,559	\$0	\$0	\$0	\$0
<b>TOTAL:</b>	<b>\$96,996,080</b>	<b>\$16,113,693</b>	<b>\$22,630,000</b>	<b>\$12,348,797</b>	<b>\$14,734,202</b>

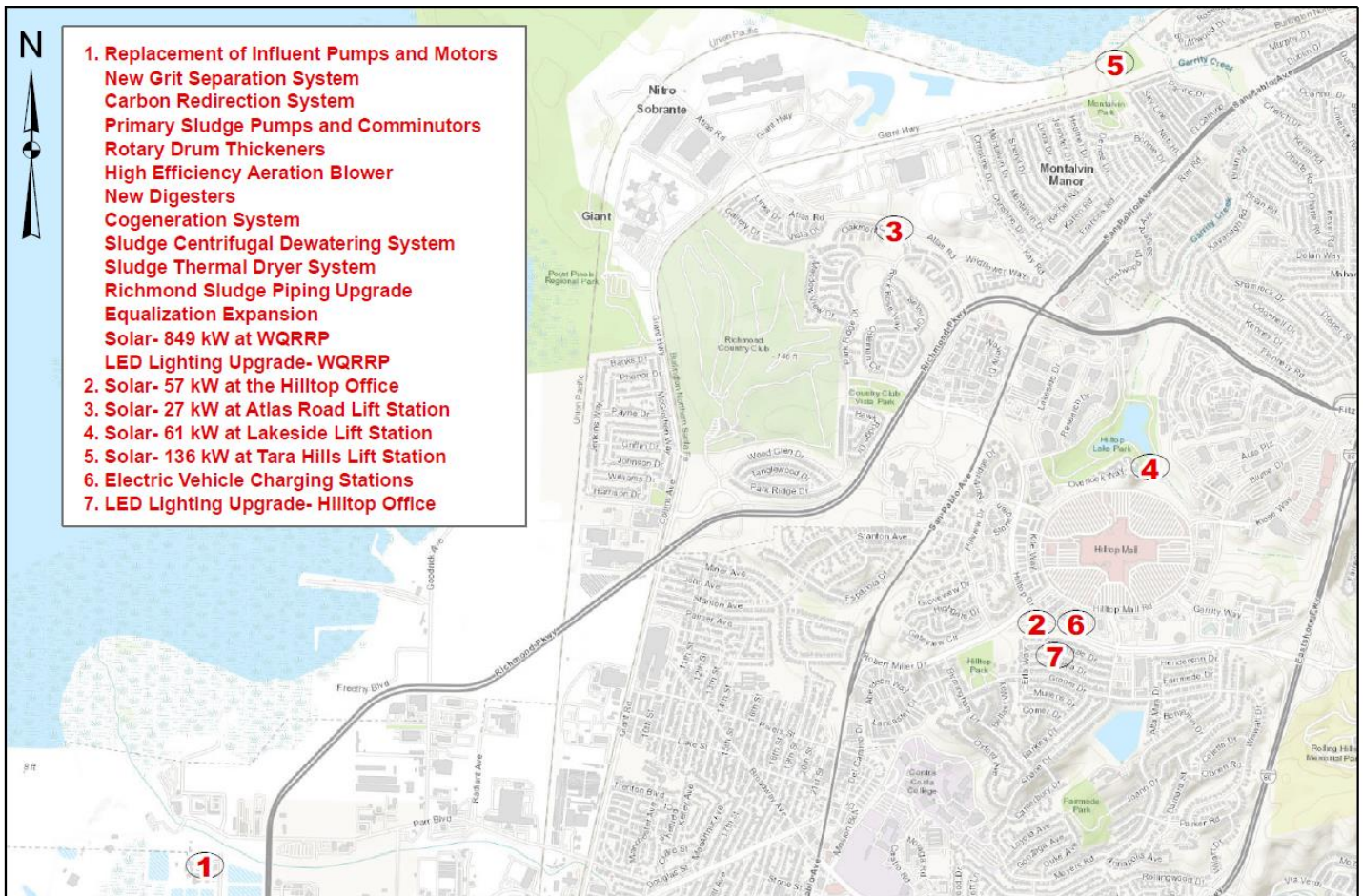



DRAWN BY: ARMONDO H.	WEST COUNTY WASTEWATER	
SCALE: Not to scale	FIVE-YEAR CAPITAL IMPROVEMENT PROJECTS ALL PROGRAMS	

# **Clean & Green (Comprehensive Energy and Sustainability Upgrade) Project**







UPDATED BY: MOHAMMAD G	<b>WEST COUNTY WASTEWATER</b>	 WEST COUNTY WASTEWATER
SCALE: Not to scale	<b>FIVE-YEAR CAPITAL IMPROVEMENT PROJECTS</b> <b>WCW CLEAN &amp; GREEN COMPREHENSIVE ENERGY &amp; SUSTAINABILITY UPGRADE PROJECT</b>	



**Project Name:** Clean + Green

**Priority Score:** 16

**Project Scope:** Design and construct influent pump upgrades, improve grit system, dual gravity belt thickeners, electric blowers, digester construction, sludge dewatering. Cogeneration improvements, thermal sludge drying system, solar generation at WQRRP & lift stations, LED upgrades at Hilltop and WQRRP, electric vehicle charging stations, and expansion of equalization basins.

**Project Justification:** Reduce energy consumption and GHG emissions, improve operational safety and efficiency, and improve the quality and reuse of the biosolids produced at the WQRRP.

**Project Manager:** Keith Reynolds


Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 86,923,735	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 86,923,735
Bond	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 86,923,735	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 86,923,735

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ 21,730,934	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 21,730,934
Construction	\$ 47,808,054	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 47,808,054
Contingency	\$ 17,384,747	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 17,384,747
Total Expenditures	\$ 86,923,735	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 86,923,735

## Facilities Program





<p>UPDATED BY: ARMONDO H.</p>	<p><b>WEST COUNTY WASTEWATER</b></p>	 <p>WEST COUNTY WASTEWATER</p>
<p>SCALE: Not to scale</p>	<p><b>FIVE-YEAR CAPITAL IMPROVEMENT PROJECTS FACILITIES PROGRAM</b></p>	

**Project Name:** CSO Building  
Seismic  
Retrofit

**Priority Score:** 16

**Project Scope:** Design for and construction of the seismic retrofit of the CSO building as identified in the seismic study completed previously.

**Project Justification:** Ensure seismic safety of the CSO building at Hilltop Office to provide a safe facility for WCW staff.

**Project Manager:** Keith Reynolds

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 1,006,736	\$ -	\$ -	\$ -	\$ -	\$ 6,000,000	\$ 7,006,736
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 1,006,736	\$ -	\$ -	\$ -	\$ -	\$ 6,000,000	\$ 7,006,736

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ 305,703	\$ -	\$ -	\$ -	\$ -	\$ 1,500,000	\$ 1,805,703
Construction	\$ 639,414	\$ -	\$ -	\$ -	\$ -	\$ 3,900,000	\$ 4,539,414
Contingency	\$ 61,617	\$ -	\$ -	\$ -	\$ -	\$ 600,000	\$ 661,617
Total Expenditures	\$ 1,006,734	\$ -	\$ -	\$ -	\$ -	\$ 6,000,000	\$ 7,006,734

**Project Name:** Hilltop and WQRRP Facilities Assessment and

**Priority Score:** 12

**Project Scope:** Maintenance, repair, and space planning per consultant report recommendations including painting of kitchen and hallway; repair of dry rot in the eaves, pillars and roof.

**Project Justification:** Update and maintain areas to provide a clean, professional and safe work environment for WCW staff.

**Project Manager:** Will Silver

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 7,350,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,350,000
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 7,350,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,350,000

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ -	\$ 1,837,500	\$ -	\$ -	\$ -	\$ -	\$ 1,837,500
Construction	\$ 2,400	\$ 2,775,100	\$ 1,265,000	\$ -	\$ -	\$ -	\$ 4,042,500
Contingency	\$ -	\$ 735,000	\$ 735,000	\$ -	\$ -	\$ -	\$ 1,470,000
Total Expenditures	\$ 2,400	\$ 5,347,600	\$ 2,000,000	\$ -	\$ -	\$ -	\$ 7,350,000

**Project Name:** Outside Lighting Project at Hilltop Office

**Priority Score:** 8

**Project Scope:** Conduct lighting assessment and implement recommendation of light fixtures at the Hilltop Office.

**Project Justification:** To support safe working condition for staff, customers, vendors, and visitors at the Hilltop Office.

**Project Manager:** Angela Andrews

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY22	Proposed Appropriation FY23	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Total
Sewer Rate	\$ 11,493	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,493
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 11,493	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,493

Expenditures	Prior Years Exp	Estimated Exp FY22	Estimated Exp FY23	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Total
Planning & Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ 11,493	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,493
Contingency	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expenditures	\$ 11,493	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,493



**Project Name:** WQRRP New Maintenance Building Facility

**Priority Score:** 4

**Project Scope:** New building for the Maintenance department at WQRRP

**Project Justification:** Update facilities to address space needs and maintain areas to provide a clean, professional, and safe work environment for WCW staff.

**Project Manager:** Will Silver

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 750,000	\$ -	\$ -	\$ -	\$ -	\$ 650,000	\$ 1,400,000
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 750,000	\$ -	\$ -	\$ -	\$ -	\$ 650,000	\$ 1,400,000

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ 598,835	\$ 151,165	\$ -	\$ -	\$ -	\$ 16,250	\$ 766,250
Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 601,250	\$ 601,250
Contingency	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 32,500	\$ 32,500
Total Expenditures	\$ 598,835	\$ 151,165	\$ -	\$ -	\$ -	\$ 650,000	\$ 1,400,000

**Project Name:** Environmental Center at WQRRP

**Priority Score:** 0

**Project Scope:** Design and construct a new Environmental Center at WQRRP.

**Project Justification:** Increase the facilities capacity of the workplace for employees and visitors at WQRRP.

**Project Manager:** Will Silver

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Bond	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Contingency	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expenditures	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Project Name: Training Facility

Priority Score: 0

Project Scope: Design and construct a new Training Facility building at WQRRP

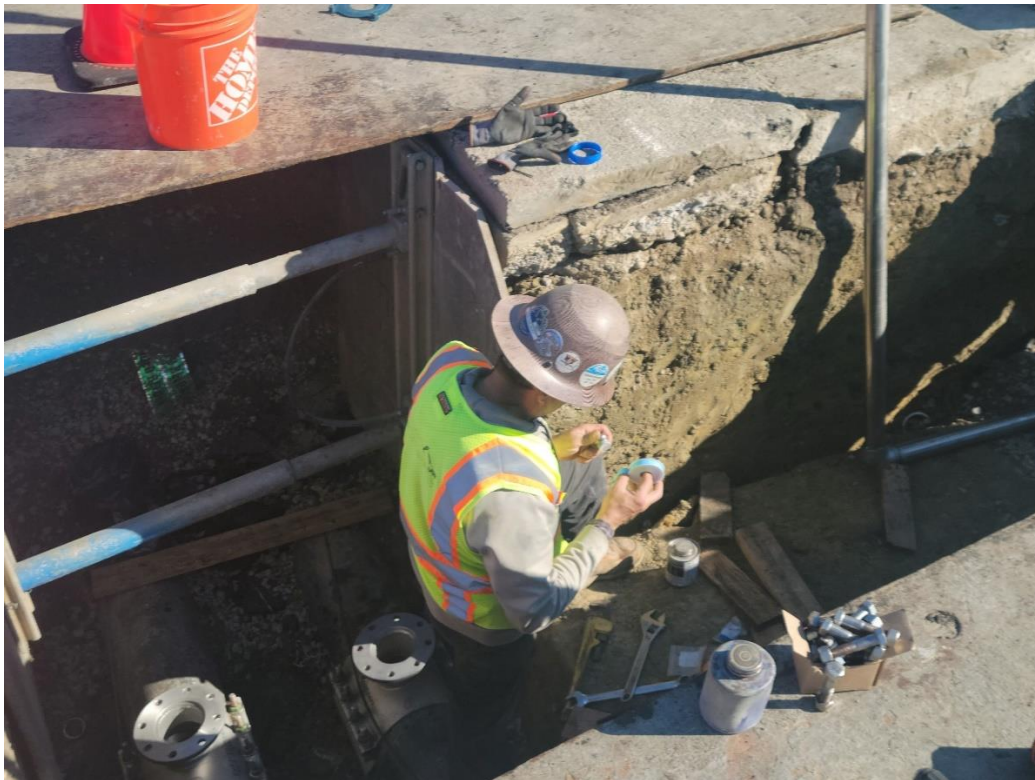
Project Justification: Increase the facilities capacity of the workplace for employees and visitors to train at WQRRP.

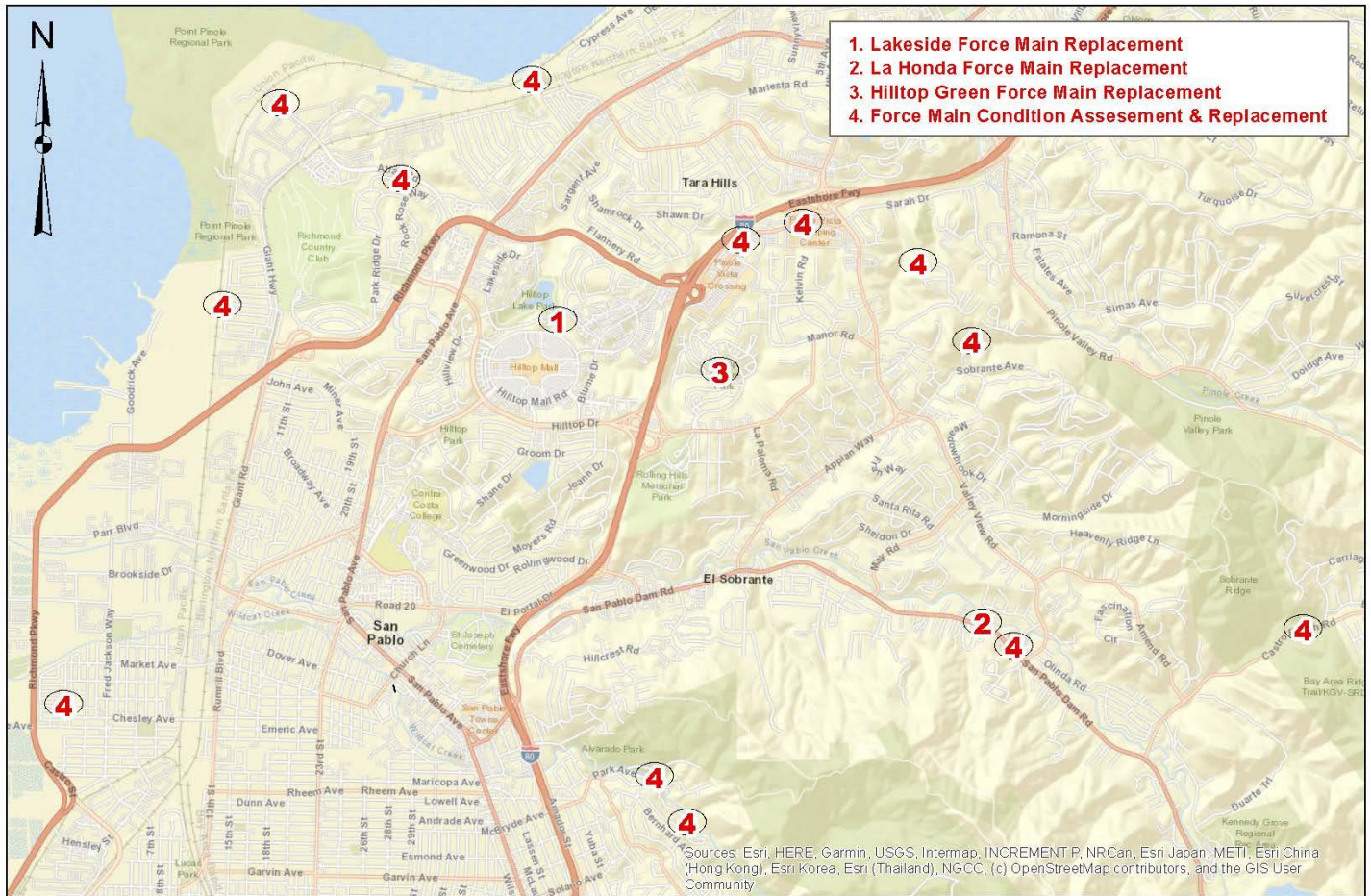
Project Manager: Will Silver

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Contingency	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expenditures	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

## Force Main Program





DRAWN BY: MEHRETEAB W.	<b>WEST COUNTY WASTEWATER</b>	
SCALE: Not to scale	<b>FIVE-YEAR CAPITAL IMPROVEMENT PROJECTS FORCE MAIN PROGRAM</b>	

**Project Name:** La Honda  
Force Main  
Replacement

**Priority Score:** 16

**Project Scope:** Replace existing 180 LF 6" DIP force mains with two new parallel PVC force mains.

**Project Justification:** Improve reliability of the collection system; reduce inflow and infiltration as well as the risk of failure of critical infrastructure.

**Project Manager:** Will Silver

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 639,331	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 639,331
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 639,331	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 639,331

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ 100,810	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,810
Construction	\$ -	\$ 474,588.25	\$ -	\$ -	\$ -	\$ -	\$ 474,588
Contingency	\$ -	\$ 63,933	\$ -	\$ -	\$ -	\$ -	\$ 63,933
Total Expenditures	\$ 100,810	\$ 538,521	\$ -	\$ -	\$ -	\$ -	\$ 639,331



**Project Name:** Lakeside Force Main Replacement

**Priority Score:** 16

**Project Scope:** Replace existing 1,578 LF 8" DIP with two new parallel force mains.

**Project Justification:** Improve reliability of the collection system; reduce inflow and infiltration as well as the risk of failure of critical infrastructure.

**Project Manager:** Ken Deibert

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 1,193,466	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,193,466
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 1,193,466	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,193,466

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ 298,367	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 298,367
Construction	\$ 895,100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 895,100
Contingency	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expenditures	\$ 1,193,466	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,193,466

**Project Name:** Hilltop Green Force Main Replacement

**Priority Score:** 16

**Project Scope:** Design new 1,000 LF force mains to existing connection and assess secondary force main alignment.

**Project Justification:** Improve reliability of the collection system; reduce inflow and infiltration, as well as the risk of failure of critical infrastructure.

**Project Manager:** Will Silver

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 1,554,827	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,554,827
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 1,554,827	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,554,827

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ 327,979		\$ -	\$ -	\$ -	\$ -	\$ 327,979
Construction	\$ 983,938	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 983,938
Contingency	\$ 242,910	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 242,910
Total Expenditures	\$ 1,554,827	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,554,827

**Project Name:** Force Main Condition Assessment & Replacement

**Priority Score:** 14

**Project Scope:** Inspection of up to 13 force mains, 26,200 LF

**Project Justification:** Improve reliability of the collection system, reduce inflow and infiltration, and minimize risk of failure of critical infrastructure.

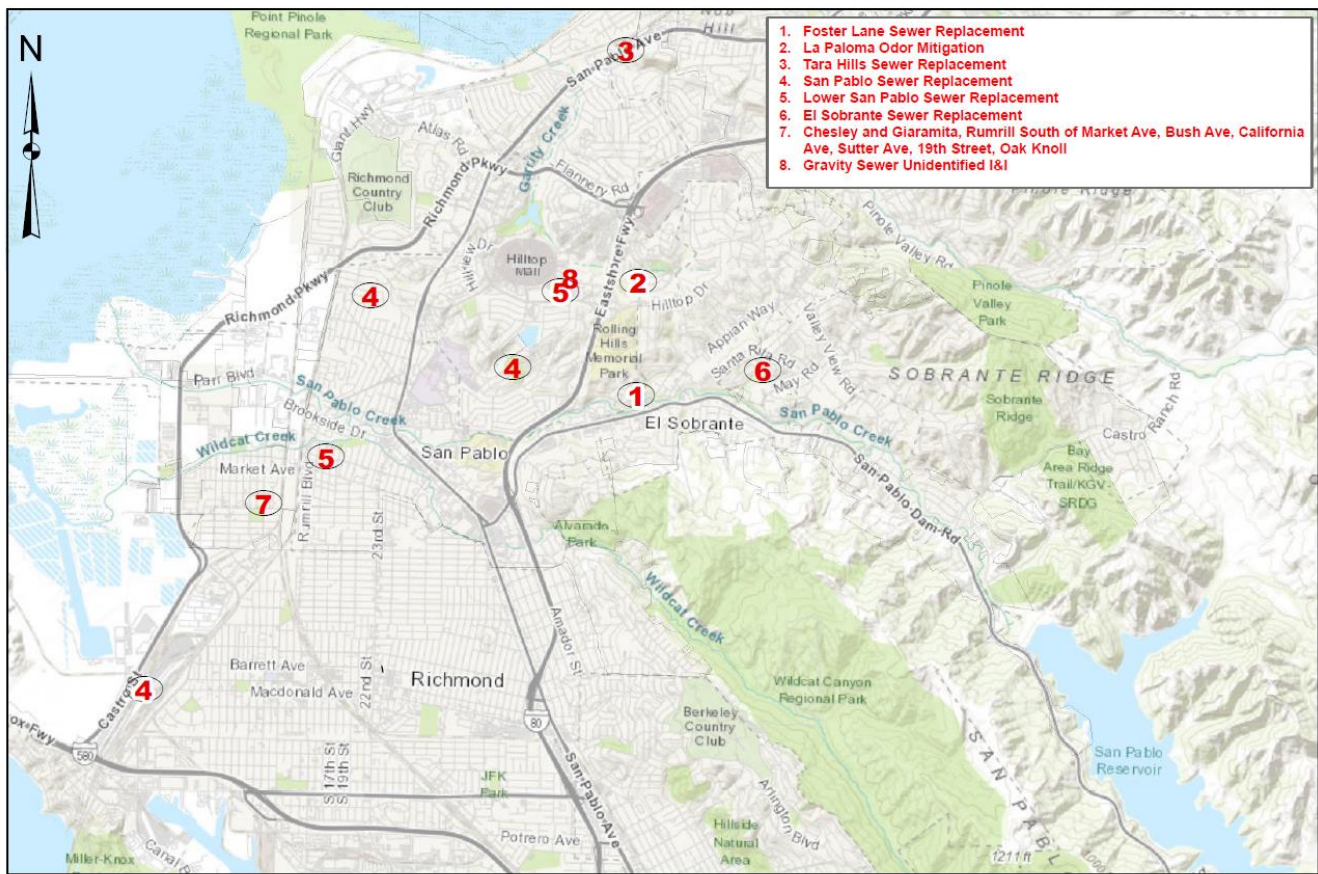
**Project Manager:** Will Silver

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 2,500,000	\$ -	\$ 500,000	\$ 750,000	\$ 750,000	\$ 500,000	\$ 5,000,000
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 2,500,000	\$ -	\$ 500,000	\$ 750,000	\$ 750,000	\$ 500,000	\$ 5,000,000

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ 664,369		\$ 125,000	\$ 187,500	\$ 187,500	\$ 125,000	\$ 1,289,369
Construction	\$ -	\$ 1,835,631	\$ 325,000	\$ 487,500	\$ 487,500	\$ 325,000	\$ 3,460,631
Contingency	\$ -	\$ -	\$ 50,000	\$ 75,000	\$ 75,000	\$ 50,000	\$ 250,000
Total Expenditures	\$ 664,369	\$ 1,835,631	\$ 500,000	\$ 750,000	\$ 750,000	\$ 500,000	\$ 5,000,000

## Gravity Sewer Program





UPDATED BY: ARMONDO H.

SCALE: Not to scale

# **WEST COUNTY WASTEWATER** **FIVE-YEAR CAPITAL IMPROVEMENT PROJECTS** **GRAVITY SEWER PROGRAM**



**Project Name:** Foster Lane Sewer Realignment

**Priority Score:** 16

**Project Scope:** Demolish the Foster Lane lift station and install 360 LF of 8-inch gravity sewer pipe

**Project Justification:** Required in order to address odor issues in the surrounding community by abandoning a temporary lift station that has been in service for approximately 30 years.

**Project Manager:** Will Silver

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 2,037,708	\$ -	\$ 1,000,000	\$ -	\$ -	\$ -	\$3,037,708
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 2,037,708	\$ -	\$ 1,000,000	\$ -	\$ -	\$ -	\$3,037,708

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ 355,681	\$ 205,083	\$ -	\$ -	\$ -	\$ -	\$ 560,764
Construction	\$ -	\$ 1,476,944	\$ 392,458	\$ -	\$ -	\$ -	\$1,869,402
Contingency	\$ -	\$ -	\$ 607,542	\$ -	\$ -	\$ -	\$ 607,542
Total Expenditures	\$ 355,681	\$ 1,682,027	\$ 1,000,000	\$ -	\$ -	\$ -	\$3,037,708



**Project Name:** Tara Hills Sewer Replacement SRF 3.2

**Priority Score:** 13

**Project Scope:** Replacement of up to 656 feet of gravity line sewers.

**Project Justification:** Improve condition and reliability of collection systems and reduce the risk of sanitary sewer overflows and inflow and infiltration into the collection system.

**Project Manager:** Angela Andrews

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 368,476	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 368,476
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 368,476	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 368,476

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ 92,119	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 92,119
Construction	\$ 276,357	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 276,357
Contingency	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expenditures	\$ 368,476	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 368,476

**Project Name:** San Pablo Sewer Replacement SRF 3.3

**Priority Score:** 13

**Project Scope:** Replacement of up to 4,465 feet of gravity line sewers.

**Project Justification:** Improve condition and reliability of collection systems and reduce the risk of sanitary sewer overflows and inflow and infiltration into the collection system.

**Project Manager:** Will Silver

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 2,394,248	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,394,248
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 2,394,248	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,394,248

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ 173,455	\$ 119,712	\$ -	\$ -	\$ -	\$ -	\$ 293,167
Construction	\$ -	\$ 1,861,656	\$ -	\$ -	\$ -	\$ -	\$ 1,861,656
Contingency	\$ -	\$ 239,425	\$ -	\$ -	\$ -	\$ -	\$ 239,425
Total Expenditures	\$ 173,455	\$ 2,220,793	\$ -	\$ -	\$ -	\$ -	\$ 2,394,248

**Project Name:** Lower San Pablo Sewer Replacement SRF 3.4

**Priority Score:** 13

**Project Scope:** Replacement of up to 5,138 feet of gravity line sewers

**Project Justification:** Improve condition and reliability of collection systems and reduce the risk of sanitary sewer overflows and inflow and infiltration into the collection system.

**Project Manager:** Keith Reynolds

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 1,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ 63,593	\$ 186,407	\$ -	\$ -	\$ -	\$ -	\$ 250,000
Construction	\$ -	\$ 650,000	\$ -	\$ -	\$ -	\$ -	\$ 650,000
Contingency	\$ -	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ 100,000
Total Expenditures	\$ 63,593	\$ 936,407	\$ -	\$ -	\$ -	\$ -	\$ 1,000,000

**Project Name:** El Sobrante Sewer Replacement SRF 3.6

**Priority Score:** 13

**Project Scope:** Replacement of up to 5,122 feet of gravity line sewers.

**Project Justification:** Improve condition and reliability of collection systems and reduce the risk of sanitary sewer overflows and inflow and infiltration into the collection system.

**Project Manager:** Keith Reynolds/Mohammed Masoud

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 1,750,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,750,000
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 1,750,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,750,000

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ 103,682	\$ 333,818	\$ -	\$ -	\$ -	\$ -	\$ 437,500
Construction	\$ -	\$ 1,137,500	\$ -	\$ -	\$ -	\$ -	\$ 1,137,500
Contingency	\$ -	\$ 175,000	\$ -	\$ -	\$ -	\$ -	\$ 175,000
Total Expenditures	\$ 103,682	\$ 1,646,318	\$ -	\$ -	\$ -	\$ -	\$ 1,750,000

**Project Name:** Chesley and Giaramita, Rumrill South of Market Ave, Post Ave, Bush Ave, California Ave, Sutter Ave, 19th Street, Oak Knoll

**Priority Score:** 11

**Project Scope:** Replacement of approximatel 21,000 feet of pipe in public streets as well as easements.

**Project Justification:** Improve condition and reliability of collection system and reduce the risk of sanitary sewer overflows and inflow and infiltration into the collection system.

**Project Manager:** Keith Reynolds

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 5,719,049	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,719,049
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 5,719,049	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,719,049

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ 1,429,762	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,429,762
Construction	\$ 4,289,287	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,289,287
Contingency		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expenditures	\$ 5,719,049	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,719,049

**Project Name:** Gravity Sewer Replacement Program: Unidentified High I&I Pipes

**Priority Score:** 11

**Project Scope:** Replacement of pipe in public streets as well as easements.

**Project Justification:** Improve condition and reliability of collection system and reduce the risk of sanitary sewer overflows and inflow and infiltration into the collection system.

**Project Manager:** Angela Andrews

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 3,343,843	\$ -	\$ 5,000,000	\$ 5,000,000	\$ 5,000,000	\$ 5,000,000	\$ 23,343,843
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 3,343,843	\$ -	\$ 5,000,000	\$ 5,000,000	\$ 5,000,000	\$ 5,000,000	\$ 23,343,843

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ -	\$ 4,435,900	\$ 61,588	\$ 61,588	\$ 61,588	\$ 61,588	\$ 4,682,252
Construction	\$ -	\$ -	\$ 3,501,576	\$ 3,501,576	\$ 3,501,576	\$ 3,501,576	\$ 14,006,306
Contingency	\$ -	\$ -	\$ 1,167,192	\$ 1,167,192	\$ 1,167,192	\$ 1,167,192	\$ 4,668,769
Total Expenditures	\$ -	\$ 4,435,900	\$ 4,730,357	\$ 4,730,357	\$ 4,730,357	\$ 4,730,357	\$ 23,357,326



**Project Name:** La Paloma Odor Mitigation

**Priority Score:** 7

**Project Scope:** Complete odor and flow study to identify the cause and design engineered solutions to eliminate odors.

**Project Justification:** Identify the cause of and eliminate any and all odors in the community around La Paloma Rd. that are a result of WCW infrastructure, thus providing a reduction in the impact to the community.

**Project Manager:** Will Silver


Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 3,300,000	\$ -	\$ -	\$ 3,700,000	\$ -	\$ -	\$ 7,000,000
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 3,300,000	\$ -	\$ -	\$ 3,700,000	\$ -	\$ -	\$ 7,000,000

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ 199,563	\$ 1,550,437	\$ -	\$ -	\$ -	\$ -	\$ 1,750,000
Construction	\$ -	\$ 1,550,000	\$ -	\$ 2,960,000	\$ -	\$ -	\$ 4,510,000
Contingency	\$ -	\$ -	\$ -	\$ 740,000	\$ -	\$ -	\$ 740,000
Total Expenditures	\$ 199,563	\$ 3,100,437	\$ -	\$ 3,700,000	\$ -	\$ -	\$ 7,000,000

## Lift Station Program





DRAWN BY: ARMONDO H.	WEST COUNTY WASTEWATER		 WEST COUNTY WASTEWATER
SCALE: Not to scale	FIVE-YEAR CAPITAL IMPROVEMENT PROJECTS LIFT STATION PROGRAM		

**Project Name:** Lift Station SCADA communication upgrade

**Project Number:** 13

**Priority Score:** To upgrade the SCADA communication system with the various existing lift stations to improve operations efficiency.

**Project Justification:** The existing SCADA system is old, outdated, and deficient.

**Project Manager:** Mohammed Masoud

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ -	\$ -	\$ -	\$ 100,000	\$ 900,000	\$ -	\$1,000,000
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding	\$ -	\$ -	\$ -	\$ 100,000	\$ 900,000	\$ -	\$1,000,000

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ -	\$ -	\$ -	\$ 100,000	\$ 150,000	\$ -	\$ 250,000
Construction	\$ -	\$ -	\$ -	\$ -	\$ 650,000	\$ -	\$ 650,000
Contingency	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ -	\$ 100,000
Total Expenditures	\$ -	\$ -	\$ -	\$ 100,000	\$ 900,000	\$ -	\$1,000,000

**Project Name:** D'Avila Lift Station Upgrade

**Priority Score:** 12

**Project Scope:** Electrical, mechanical and/or structural upgrades will be performed at the D'Avila lift station. A generator will be installed at this location.

**Project Justification:** Improve functionality and reliability of the lift station to reduce negative impacts to service and risks of emergency failures of equipment and infrastructure.

**Project Manager:** Mohammed Masoud

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 400,000	\$ -	\$ -	\$ 2,100,000	\$ -	\$ -	\$ 2,500,000
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 400,000	\$ -	\$ -	\$ 2,100,000	\$ -	\$ -	\$ 2,500,000

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ 160,095	\$ 244,833	\$ 89,905	\$ -	\$ -	\$ -	\$ 494,833
Construction	\$ -	\$ -	\$ 1,755,167	\$ -	\$ -	\$ -	\$ 1,755,167
Contingency	\$ -	\$ -	\$ 250,000	\$ -	\$ -	\$ -	\$ 250,000
Total Expenditures	\$ 160,095	\$ 244,833	\$ 2,095,072	\$ -	\$ -	\$ -	\$ 2,500,000



**Project Name:** Tara Hills Lift Station Upgrade

**Priority Score:** 12

**Project Scope:** Electrical, mechanical and/or structural upgrades will be performed at the Tara Hills lift station. The existing generator will remain in place.

**Project Justification:** Improve functionality and reliability of the lift station to reduce negative impacts to service and risks of emergency failures of equipment and infrastructure.

**Project Manager:** Mohammed Masoud

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 563,554	\$ -	\$ -	\$ 6,236,446	\$ -	\$ -	\$ 6,800,000
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Funding Sources</b>	<b>\$ 563,554</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 6,236,446</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 6,800,000</b>

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ 563,554	\$ -	\$ -	\$ 796,446	\$ -	\$ -	\$ 1,360,000
Construction	\$ -	\$ -	\$ -	\$ 4,080,000	\$ -	\$ -	\$ 4,080,000
Contingency	\$ -	\$ -	\$ -	\$ 1,360,000	\$ -	\$ -	\$ 1,360,000
<b>Total Expenditures</b>	<b>\$ 563,554</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 6,236,446</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 6,800,000</b>

**Project Name:** La Honda Lift Station Upgrade

**Priority Score:** 12

**Project Scope:** Electrical, mechanical and/or structural upgrades will be performed at the La Honda lift station. A generator will be installed at this location.

**Project Justification:** Improve functionality and reliability of the lift station to reduce negative impacts to service and risks of emergency failures of equipment and infrastructure.

**Project Manager:** Mohammed Masoud

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 236,446	\$ -	\$ -	\$ 2,263,554	\$ -	\$ -	\$ 2,500,000
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 236,446	\$ -	\$ -	\$ 2,263,554	\$ -	\$ -	\$ 2,500,000

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ 162,896	\$ 73,550	\$ -	\$ 337,104	\$ -	\$ -	\$ 573,550
Construction	\$ -	\$ -	\$ -	\$ 1,426,450	\$ -	\$ -	\$ 1,426,450
Contingency	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ 500,000
Total Expenditures	\$ 162,896	\$ 73,550	\$ -	\$ 2,263,554	\$ -	\$ -	\$ 2,500,000



**Project Name:** Carriage Hills Lift Station Upgrade

**Priority Score:** 12

**Project Scope:** Electrical, mechanical and/or structural upgrades will be performed at the Carriage Hills lift station. The existing generator will remain in place.

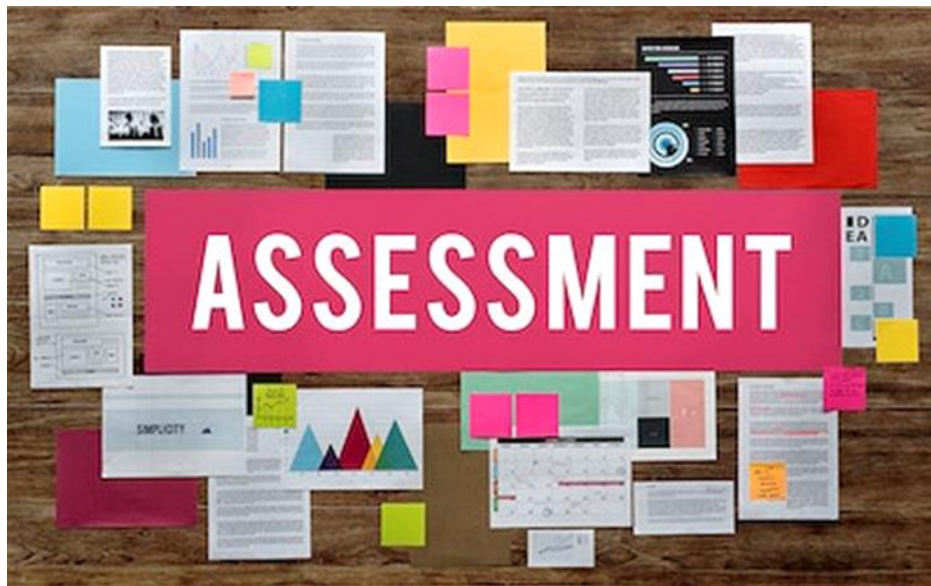
**Project Justification:** Improve functionality and reliability of the lift station to reduce negative impacts to service and risks of emergency failures of equipment and infrastructure.

**Project Manager:** Mohammed Masoud

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 400,000	\$ -	\$ -	\$ 2,100,000	\$ -	\$ -	\$ 2,500,000
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 400,000	\$ -	\$ -	\$ 2,100,000	\$ -	\$ -	\$ 2,500,000

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ 165,095	\$ 234,905	\$ -	\$ 250,000	\$ -	\$ -	\$ 650,000
Construction	\$ -	\$ -	\$ -	\$ 1,350,000	\$ -	\$ -	\$ 1,350,000
Contingency	\$ -	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ 500,000
Total Expenditures	\$ 165,095	\$ 234,905	\$ -	\$ 2,100,000	\$ -	\$ -	\$ 2,500,000

## Other Program





**Project Name:** Planning Studies

**Priority Score:** 8

**Project Scope:** Perform master planning and capital project feasibility studies.

**Project Justification:** The planning studies will help develop individual capital projects.

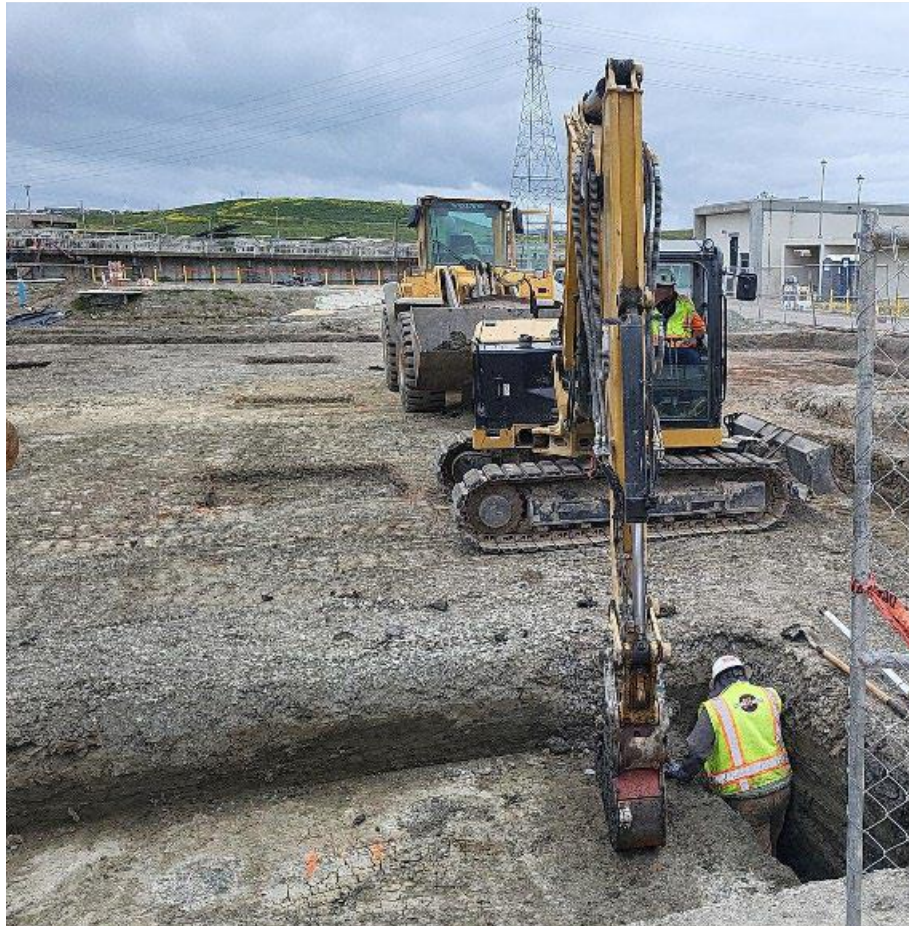
**Project Manager:** Judy Chen

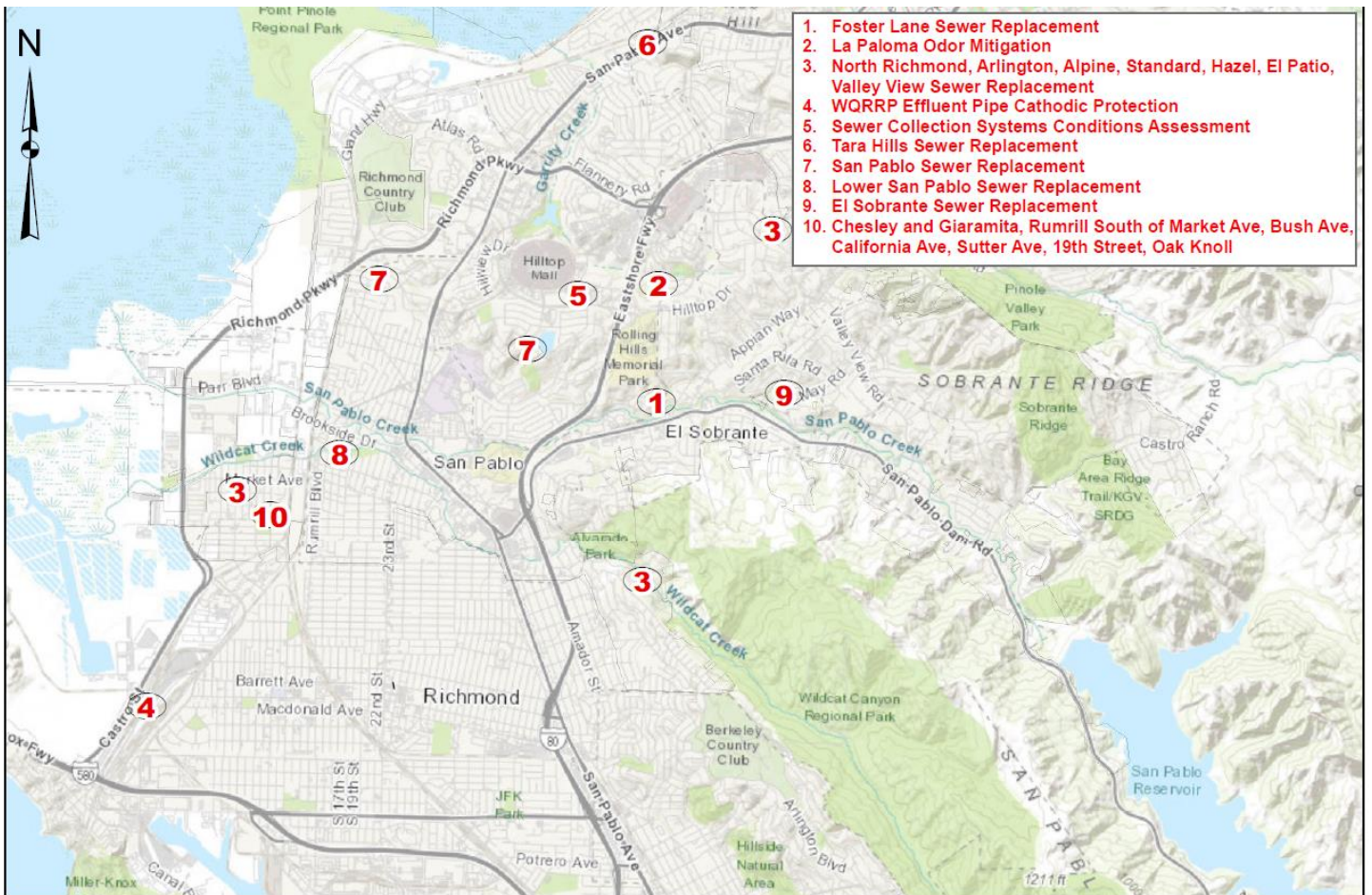
Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 760,000	\$ -	\$ 380,000	\$ 380,000	\$ 380,000	\$ 380,000	\$ 2,280,000
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 760,000	\$ -	\$ 380,000	\$ 380,000	\$ 380,000	\$ 380,000	\$ 2,280,000


Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ -	\$ 760,000	\$ 380,000	\$ 380,000	\$ 380,000	\$ 380,000	\$ 2,280,000
Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Contingency	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expenditures	\$ -	\$ 760,000	\$ 380,000	\$ 380,000	\$ 380,000	\$ 380,000	\$ 2,280,000



# Plant Process Program





UPDATED BY: MOHAMMAD G	<b>WEST COUNTY WASTEWATER</b>	 — WEST COUNTY WASTEWATER
SCALE: Not to scale	<b>FIVE-YEAR CAPITAL IMPROVEMENT PROJECTS GRAVITY SEWER PROGRAM</b>	

**Project Name:** WQRRP Effluent Valve Replacement

**Priority Score:** 13

**Project Scope:** Repair aged, damaged, and leaking valves at the effluent pumping area.

**Project Justification:** Increase reliability and efficiency of the effluent structure to improve and increase dependability of plant processes at WQRRP.

**Project Manager:** Keith Reynolds

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 1,065,487	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,065,487
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 1,065,487	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,065,487

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ 174,703	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 174,703
Construction	\$ 878,784	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 878,784
Contingency	\$ 12,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,000
Total Expenditures	\$ 1,065,487	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,065,487



**Project Name:** Secondary Sedimentation Basin

**Priority Score:** 13

**Project Scope:** Complete investigation, design and construction of secondary sedimentation rehabilitation basin at WQRRP

**Project Justification:** Repairs are needed for the secondary sedimentation basin to prevent overflow at WQRRP.

**Project Manager:** Keith Reynolds

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 2,000,000	\$ -	\$ 7,233,693	\$ -	\$ -	\$ -	\$9,233,693
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 2,000,000	\$ -	\$ 7,233,693	\$ -	\$ -	\$ -	\$9,233,693

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ -	\$ 2,000,000	\$ 770,108	\$ -	\$ -	\$ -	\$2,770,108
Construction	\$ -	\$ -	\$ 4,616,847	\$ -	\$ -	\$ -	\$4,616,847
Contingency	\$ -	\$ -	\$ 1,846,739	\$ -	\$ -	\$ -	\$1,846,739
Total Expenditures	\$ -	\$ 2,000,000	\$ 7,233,693	\$ -	\$ -	\$ -	\$9,233,693

**Project Name:** WQRRP Effluent Electrical System Upgrades

**Priority Score:** 13

**Project Scope:** Upgrade, organize and relocate electrical equipment within the effluent and headworks buildings.

**Project Justification:** Improve and increase reliability of plant processes and reduce the risk of electrical failures at WQRRP.

**Project Manager:** Keith Reynolds/Mohammed Masoud

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 1,000,000	\$ -	\$ -	\$ -	\$ 5,200,000	\$ -	\$6,200,000
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 1,000,000	\$ -	\$ -	\$ -	\$ 5,200,000	\$ -	\$6,200,000

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ 226,823	\$ -	\$ -	\$ -	\$ 393,177	\$ -	\$ 620,000
Construction	\$ -	\$ -	\$ -	\$ -	\$ 3,566,823	\$ -	\$3,566,823
Contingency	\$ -	\$ -	\$ -	\$ -	\$ 1,240,000	\$ -	\$1,240,000
Total Expenditures	\$ 226,823	\$ -	\$ -	\$ -	\$ 5,200,000	\$ -	\$5,426,823

**Project Name:** WQRRP Sea Level Rise Protection

**Priority Score:** 6

**Project Scope:** Complete investigation, design and construction of a horizontal levee at the WQRRP.

**Project Justification:** This project will integrate treated effluent and seepage terraces at the WQRRP to support marsh migration, mitigate the impact of rising sea level, create transition-zone habitat, and provide opportunities for community education on the importance of sustaining natural systems.

**Project Manager:** Keith Reynolds

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ 504,991	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 504,991
Grant	\$ 644,909	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 644,909
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ 1,149,900	\$ -	\$ -	\$ -	\$ -	\$ -	\$1,149,900

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ 575,422	\$ 574,478	\$ -	\$ -	\$ -	\$ -	\$1,149,900
Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Contingency	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expenditures	\$ 575,422	\$ 574,478	\$ -	\$ -	\$ -	\$ -	\$1,149,900

**Project Name:** Side Streams Monitoring Station

**Priority Score:** 0

**Project Scope:** Complete investigation, design and construction of side streams at WQRRP

**Project Justification:** This project will investigate improvements for side streams at WQRRP

**Project Manager:** Mohammed Masoud

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ 250,000
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ 250,000

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 62,500	\$ 62,500
Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 162,500	\$ 162,500
Contingency	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000	\$ 25,000
Total Expenditures	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,000	\$ 250,000

Project Name: Aeration Rehabilitation

Priority Score: 0

Project Scope: Complete investigation, design and construction of aeration rehabilitation at WQRRP

Project Justification: Work will depend on the completion of work on the Clean and Green project.

Project Manager: Keith Reynolds

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 885,032	\$ 885,032
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 885,032	\$ 885,032

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 221,258	\$ 221,258
Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 575,271	\$ 575,271
Contingency	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 88,503	\$ 88,503
Total Expenditures	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 885,032	\$ 885,032

Project Name: Odor Control Phase 1

Priority Score: 0

Project Scope: Complete investigation, design, and construction of improvements to reduce Odor Control Phase 1 at WQRRP.

Project Justification: Improve processes and reduce odors at the WQRRP.

Project Manager: Will Silver

Funding Sources	Total Appropriation Prior Years	Proposed Appropriation FY24	Proposed Appropriation FY25	Proposed Appropriation FY26	Proposed Appropriation FY27	Proposed Appropriation FY28	Total
Sewer Rate	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Funding Sources	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Expenditures	Prior Years Exp	Estimated Exp FY24	Estimated Exp FY25	Estimated Exp FY26	Estimated Exp FY27	Estimated Exp FY28	Total
Planning & Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Contingency	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Expenditures	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -