

**Walnut and Grayson Creeks Levee Rehabilitation  
At CCCSD Treatment Plant Project  
Contra Costa County Flood Control and Water Conservation District  
Work Plan**

**INTRODUCTION**

**GOALS AND OBJECTIVES**

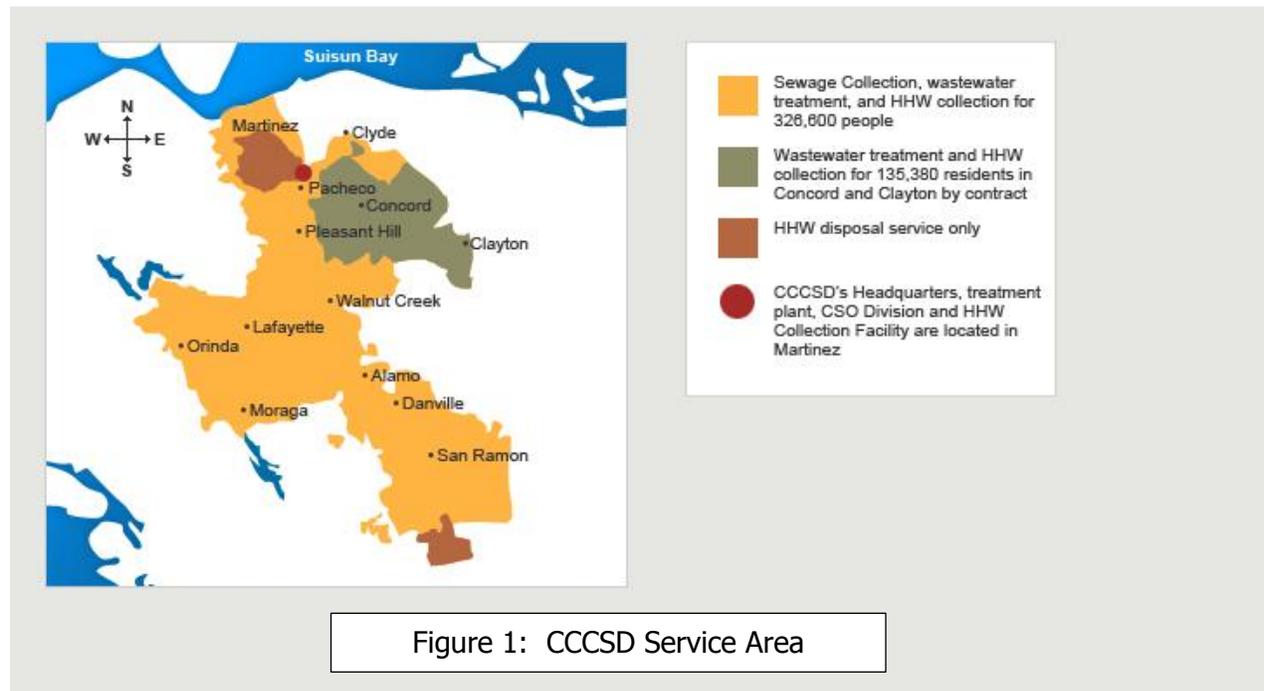
The goal of this project is for the Contra Costa County Flood Control and Water Conservation District (District) to reduce the risk of flood damage to the Central Contra Costa Sanitary District's (CCCSD) wastewater treatment plant located in Martinez, California. The District and CCCSD have agreed to partner on this project and share local costs.

The CCCSD wastewater treatment plant is a **critical piece of regional infrastructure**, processing approximately 45 million gallons of wastewater per day (MGD) generated in a 146 square mile service area by more than 450,000 residents. This facility also produces 187 million gallons per year of recycled water per year for non-potable industrial and commercial use.

CCCSD provide wastewater treatment services for the following cities as well as surrounding unincorporated areas:

- Martinez
- Concord
- Clayton
- Pleasant Hill
- Walnut Creek
- Lafayette
- Orinda
- Moraga
- Alamo
- Danville
- San Ramon

CCCSD's service area is shown in the following figure.



The CCCSD treatment plant site is approximately 254 acres in area with the main treatment facility occupying approximately 58 acres. Figure 2 shows an overview of the site and its facilities. Note the proximity of the treatment plant to Walnut and Grayson Creeks.

The treatment plant facilities incorporate 36 buildings with over 350,000 square feet of floor space. A majority of these facilities have been built at or below grade, making them especially vulnerable to flooding. A tabulation of the plant buildings, their replacement costs, and their size is found in Table 1.

As can be seen in Figure 2, the CCCSD treatment plant site is bordered on two sides by Walnut and Grayson Creeks, and lies within their historical flood plain. Beginning in 1963, the District and the US Army Corps of Engineers (USACE) channelized, straightened, and built levees along these two creeks to control flooding in the region. The District currently owns and maintains the levees, and continues to work cooperatively with the USACE to reduce flood risk. Based on recent modeling by the District and USACE, the levees currently only provide protection with freeboard from a 30-year storm.

At present, wastewater treatment services for the region are at risk of being severely disrupted in the event of a flood that overtops the existing levees. This would threaten the health and safety as well as the economic viability of the region. In order to reduce the risk of disruption, the District and CCCSD have agreed to jointly improve the levees.

### **PURPOSE AND NEED**

As noted above, the CCCSD treatment plant is a critical piece of regional infrastructure, and due to its proximity to Walnut and Grayson Creeks, is vulnerable to flooding. Given the topography, layout, and configuration of the treatment plant facilities, any overtopping of the District-owned levees along these creeks would completely disable the treatment plant, resulting in facility damages of \$146,380,000, as well as significant impact to the environment (from the discharge of untreated sewage) and to the economy of central Contra Costa County. Relocating the treatment plant is infeasible due to the \$800,000,000 investment of facility infrastructure that has already occurred. Thus, providing the treatment plant with the highest flood protection reasonably possible is key to maintaining its continued, sustained operation.

The existing levees that protect the CCCSD treatment plant do not provide adequate flood protection in the event that a low frequency storm occurs in the Walnut and Grayson Creeks' watersheds, and only provide flood protection with freeboard for storm events with a reoccurrence frequency of 30 years or less. Any storm that has a magnitude greater than this frequency could potentially cause extensive damage to the treatment plant, shutting down operations and releasing untreated sewage into Walnut and Grayson Creeks and the San Francisco Bay. This would in turn put the health and economic well-being of the citizens of Contra Costa County at risk. Thus, improving flood protection for the treatment plant is critical to protecting the long-term health and economy of the region. This is discussed in greater detail in the Technical Justification section of the grant submittal.

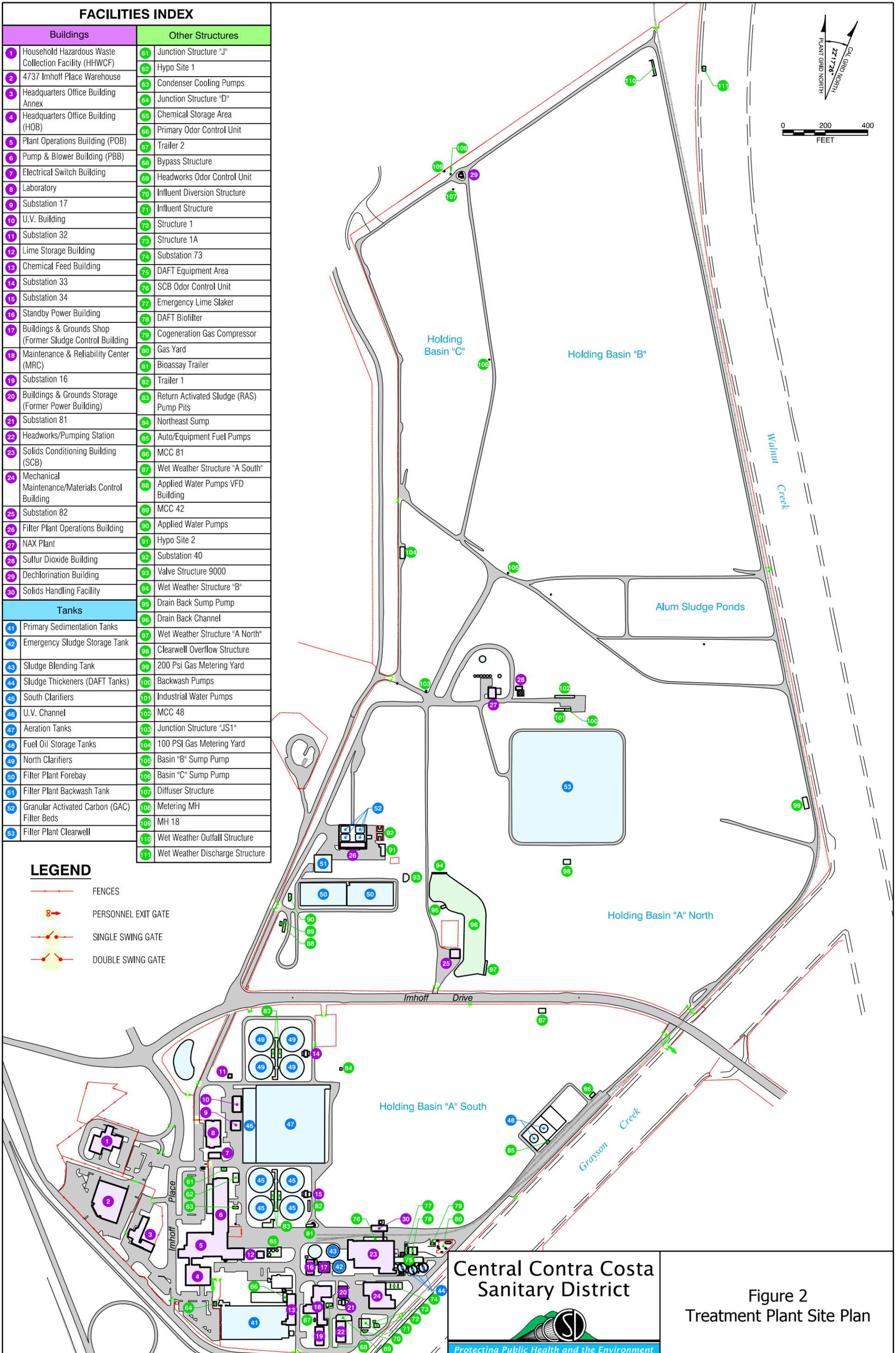
The current flood protection standard promulgated by the California Department of Water Resources (DWR) for urban levees is to provide protection against the 200-year water surface, with three feet of freeboard and to consider the potential for sea level rise and climate change.

**FACILITIES INDEX**

Buildings		Other Structures	
1	Household Hazardous Waste Collection Facility (HHWCF)	61	Junction Structure "J"
2	4737 Imhoff Place Warehouse	62	Hypo Site 1
3	Headquarters Office Building Annex	63	Condenser Cooling Pumps
4	Headquarters Office Building (HOB)	64	Junction Structure "D"
5	Plant Operations Building (POB)	65	Chemical Storage Area
6	Pump & Blower Building (PBB)	66	Primary Odor Control Unit
7	Electrical Switch Building	67	Trailer 2
8	Laboratory	68	Bypass Structure
9	Substation 17	69	Headworks Odor Control Unit
10	U.V. Building	70	Influent Diversion Structure
11	Substation 32	71	Influent Structure
12	Lime Storage Building	72	Structure 1
13	Chemical Feed Building	73	Structure 1A
14	Substation 33	74	Substation 73
15	Substation 34	75	DAFT Equipment Area
16	Standby Power Building	76	SCB Odor Control Unit
17	Buildings & Grounds Shop (Former Sludge Control Building)	77	Emergency Lime Slaker
18	Maintenance & Reliability Center (MRC)	78	DAFT Biofilter
19	Substation 16	79	Cogeneration Gas Compressor
20	Buildings & Grounds Storage (Former Power Building)	80	Gas Yard
21	Substation 81	81	Bioassay Trailer
22	Headworks/Pumping Station	82	Trailer 1
23	Solids Conditioning Building (SCB)	83	Return Activated Sludge (RAS) Pump Pits
24	Mechanical Maintenance/Materials Control Building	84	Northeast Sump
25	Substation 82	85	Auto/Equipment Fuel Pumps
26	Filter Plant Operations Building	86	MCC 81
27	NAX Plant	87	Wet Weather Structure "A South"
28	Sulfur Dioxide Building	88	Applied Water Pumps VFD Building
29	Dechlorination Building	89	MCC 42
30	Solids Handling Facility	90	Applied Water Pumps
<b>Tanks</b>		91	Hypo Site 2
41	Primary Sedimentation Tanks	92	Substation 40
42	Emergency Sludge Storage Tank	93	Valve Structure 9000
43	Sludge Blending Tank	94	Wet Weather Structure "B"
44	Sludge Thickeners (DAFT Tanks)	95	Drain Back Sump Pump
45	South Clarifiers	96	Drain Back Channel
46	U.V. Channel	97	Wet Weather Structure "A North"
47	Aeration Tanks	98	Clearwell Overflow Structure
48	Fuel Oil Storage Tanks	99	200 Psi Gas Metering Yard
49	North Clarifiers	100	Backwash Pumps
50	Filter Plant Forebay	101	Industrial Water Pumps
51	Filter Plant Backwash Tank	102	MCC 48
52	Granular Activated Carbon (GAC) Filter Beds	103	Junction Structure "JS1"
53	Filter Plant Clearwell	104	100 PSI Gas Metering Yard
		105	Basin "B" Sump Pump
		106	Basin "C" Sump Pump
		107	Diffuser Structure
		108	Metering MH
		109	MH 18
		110	Wet Weather Outfall Structure
		111	Wet Weather Discharge Structure

**LEGEND**

- FENCES
- PERSONNEL EXIT GATE
- SINGLE SWING GATE
- DOUBLE SWING GATE



**Table 1  
Central Contra Costa Sanitary District  
Wastewater Treatment Plant Buildings**

Asset No.	Asset Short Description	Asset Location	Type of Work Area	Replacement Costs	Size (square
10000	HOB	5019 IMHOFF PL	HOB	\$ 9,679,775	42,484
15000	MRC BLDG	PRI AREA	MRC	\$ 6,282,000	
97464	INST SHOP	PLANT SITE	INST SHOP	\$ 50,000	20,216
97465	ELEC SHOP	MRC BLDG	ELEC SHOP	\$ 50,000	
97467	BG SHOP	PLANT SITE	B&G SHOP	\$ 1,515,000	
16100	SUB 16 BLDG	HEADWORKS	SUB16	\$ 429,000	1,682
17000	SUB 17 BLDG	UV AREA	SUB17	\$ 67,000	120
21200	CHEM FEED BLDG	PRI AREA	PRI AREA	\$ 3,956,000	12,776
22405	MCC 22 BLDG	PRE AER AREA	PRI AREA	\$ 50,000	
25000	HEADWORKS BLDG	PRI AREA	HWK	\$ 100,000	
25100	HEADWORKS PUMP ROOM	HEADWORKS	HWK	\$ 5,500,000	12,365
32185	MCC 32 BLDG	N QUAD	A/N	\$ 50,000	200
33000	SUB 33 BLDG	N QUAD	N QUAD	\$ 165,000	693
34000	SUB 34 BLDG	S QUAD	SUB34	\$ 165,000	693
35000	LAB	SEC AREA	LAB	\$ 5,065,002	8,500
36000	UV BUILDING	SEC AREA	UV	\$ 1,083,076	3,184
40000	SUB 40	FLT PLT	SUB40	\$ 5,000	500
43000	FILTER PLANT BLDG	FLT PLT	FP	\$ 3,207,000	15,000
45001	SO2 BLDG	SO2 STORAGE AREA	FP	\$ 169,000	540
45951	NAX PLANT BLDG	NAX PLANT	FP	\$ 502,000	1,818
48000	DECHLOR BLDG	N PROPERTY LINE	FP	\$ 93,000	280
51150	GUARD SHACK	PARKING LOT	MAIN GATE	\$ 20,000	100
51153	EMERG SWGR BLDG	NE OF GUARD SHACK	MAIN GATE	\$ 444,000	1,624
52000	P&B BLDG	SEC AREA	P&B	\$ 39,458,248	35,460
53190	MACHINE SHOP	SEC AREA	MACH SHOP	\$ 50,000	11,000
53200	WELDING SHOP	SEC AREA	MACH SHOP	\$ 50,000	
52300	POD ADMIN BLDG	PLANT ADMIN	POB	\$ 5,000,000	16,234
54000	MPR	PLANT ADMIN BLDG	POB	\$ 10,000	
54100	NETWORK CENTER	ADMIN BSMT	POB	\$ 1,000,000	
51005	COMPUTER RM	ADMIN BLDG	POB	\$ 2,000,000	4,000
53117	FITNESS CENTER	POD BSMT	POB	\$ 20,000	
61100	GARDEN SHOP	PRI AREA	PRI AREA	\$ 50,000	2,000
63000	SBP BLDG	PRI AREA	SBP	\$ 1,192,000	2,592
69000	MECHANICAL MAINTENANCE BLDG	PRI AREA	MECH SHOP	\$ 2,701,000	15,840
69004	MSB (MATERIAL SERVICES BLDG)	PRI AREA	MSB	\$ 2,000,000	
71999	SCB	SCB	SCB	\$ 28,766,000	97,847
72016	SUB 73	SCB	SCB	\$ 506,000	3,160
77020	DAF BLDG	DAF AREA	DAF	\$ 25,000	3,240
81200	WOOD SHOP BLDG	PRI AREA	SHOP	\$ 500	1,000
81300	SUB 81 BLDG	PRI AREA	SUB81	\$ 167,000	400
84148	MCC 81 BLDG	FUEL OIL STORAGE	FO STORAGE	\$ 5,000	468
87000	SUB 82 BLDG	FLT PLT AREA	SUB82	\$ 692,000	2,029
94000	ANNEX	4849 IMHOFF PL	ANNEX	\$ 500,000	5,533
95000	4737 IMHOFF BLDG	4737 IMHOFF PL	DISTRICT	\$ 1,000,000	24,000
96000	HHW BLDG	4797 IMHOFF PLACE	HHW	\$ 5,796,876	4,690
97005	AK LATHAM BLDG	PRI AREA	PRI AREA	\$ 395,000	400

Total Building Area (square feet) 352,668

**Notes:**

Replacement Cost also includes miscellaneous equipment that may not have been given separate asset numbers in our system.

Square footage is approximate and includes all levels and floors in the buildings.

Due to the design and layout of its facilities as well as the critical nature of them, CCCSD would prefer to maximize its flood protection level to a 500-year reoccurrence with freeboard. As noted above, the existing levees that protect the CCCSD treatment plant do not meet this standard.

This project has been submitted to and included in the Bay Area Integrated Water Management Plan (BAIRWMP). The following table lists the BAIRWMP objectives and delineates how this project meets these objectives.

**Table 2  
BAIRWMP Objectives and How This Project Meet These Objectives**

<b>BAIRWMP Objective</b>	<b>Meets/ Doesn't Meet</b>	<b>How Project Meets BAIRWMP Objectives</b>
<b>Contributes to the promotion of economic, social, and environmental sustainability.</b> Sustainable management of regional water resources ensures a high quality of life for Bay Area residents and wildlife.	Meets	Project will prevent catastrophic treatment plant shut-down and the discharge of raw sewage into the San Francisco Bay. Project allows the continued operation of critical infrastructure.
<b>Contributes to improved supply reliability.</b> Water supply reliability ensures long-term provision of potable and irrigation water supplies to Bay Area residents.	Meets	The CCCSD treatment plant provides recycled water as irrigation to a number of facilities in the area. This project will contribute to the long-term reliability of the CCCSD recycled water.
<b>Contributes to the protection and improvement of hydrologic function.</b> Stable hydrologic and geomorphic functions are necessary components of a region-wide surface water storage and conveyance system.	Meets	Project allows the continued safe conveyance of stormwater in the event of a low frequency storm.
<b>Contributes to the protection and improvement of the quality of water resources.</b> Maintenance and improvement of water quality is essential for provisions of drinking water supplies and all beneficial uses.	Meets	Project protects water quality in Walnut and Grayson Creek and in the San Francisco Bay by preventing raw sewage spills in the event of a flood.
<b>Contributes to the protection of public health, safety, and property.</b> Surface water management involves protection of human life and property from flooding, water quality impairments, and other water resources hazards.	Meets	Project protects public health and safety in Walnut and Grayson Creeks and in the San Francisco Bay by preventing raw sewage spills in the event of a flood. Project protects the 800 million dollar investment that CCCSD has in their facility infrastructure
<b>Contributes to the creation, protection, enhancement, and maintenance of environmental resources and habitats.</b> Bay Area water resources provide important wetlands, aquatic and riparian habitats for resident and migrating wildlife species. Sustainable water resources management ensures beneficial use of water supplies by humans and ecosystems.	Meets	Project prevents contamination by raw sewage of critical riparian, marsh and estuary habitats. Project allows the continued beneficial use of the San Francisco Bay in the event of low-frequency floods.

The Walnut and Grayson Creeks Levee Rehabilitation at CCCSD Treatment Plant Project is a unique partnership between CCCSD and the District, two regional water agencies with different functional objectives. This project integrates the disciplines of flood control and wastewater treatment with an emphasis on the long-term sustainability of community infrastructure. The project is the direct result of Integrated Regional Water Management Planning.

### **PROJECT LIST**

This project is a single, standalone project.

### **INTEGRATED ELEMENTS OF PROJECTS**

N/A This project is a single, standalone project. However, it is also compatible with and supports the nearby Lower Walnut Creek Restoration project. Please see: <http://bairwmp.org/projects/lower-walnut-creek-restoration-project/>

### **REGIONAL MAP**

Please see the attached regional map, Figure 3.

### **COMPLETED WORK**

No work has been completed on this project to date.

### **EXISTING DATA AND STUDIES**

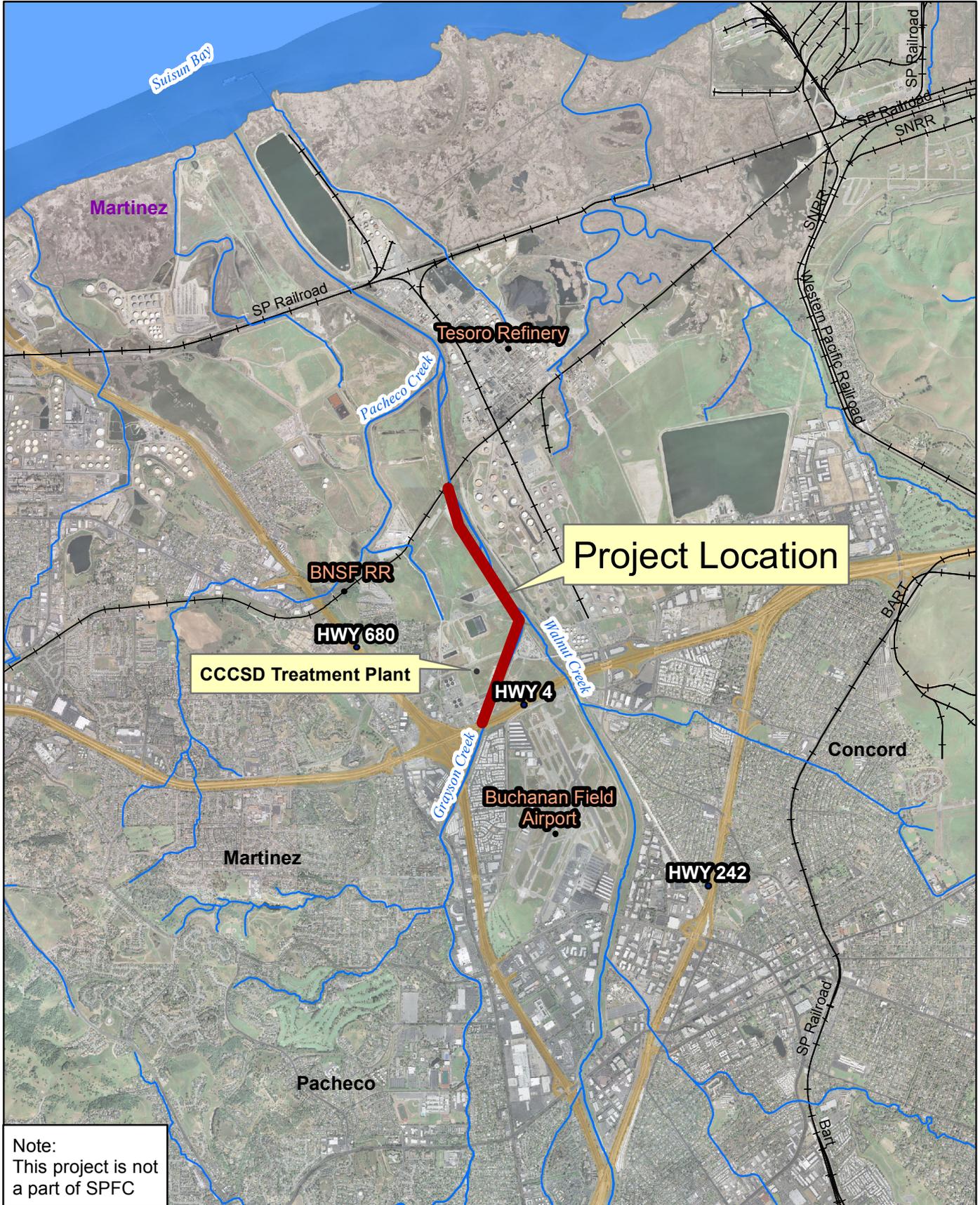
The Walnut and Grayson Creeks' channels and their levees have been studied extensively by the District and USACE. The following is a list of publications relevant to the levees near the CCCSD treatment plant:

- November, 2011, Draft Walnut Creek Sedimentation Study. Ronald R. Copeland, P.E. (Uploaded document Att3\_SWF\_WorkPlan\_2of8.pdf)
- June, 2009. Lower Walnut Creek Channel and Levee Geotechnical Data. Hultgren Tillis Engineers. Includes drilling logs and lab test results sent to USACE for the geotechnical report. (Uploaded document Att3\_SWF\_WorkPlan\_3of8.pdf)
- June, 2008 (Revised), Lower Walnut Creek General Reevaluation Report, Hydrology Appendix. USACE. (Uploaded document Att3\_SWF\_WorkPlan\_4of8.pdf and Att3\_SWF\_WorkPlan\_5of8.pdf)
- July, 2007. Geotechnical Investigation of Lower Walnut Creek Channel Martinez/Concord, California. This document supports the 2007 Corrective Action Plan. (Uploaded document Att3\_SWF\_WorkPlan\_6of8.pdf)
- June, 2007. Lower Walnut Creek Corrective Action Plan, Prepared by District for the USACE. Outlines the Interim Protection Measures of Lower Walnut Creek. (Uploaded document Att3\_SWF\_WorkPlan\_7of8.pdf and Att3\_SWF\_WorkPlan\_8of8.pdf)
- January 2005. Final Delineation of Waters of the United States, Including Wetlands, for the Lower Walnut Creek Channel Restoration Project, Concord, CA. Jones and Stokes. (Very large document, available on request)
- July 2004. Photogrammetry with supplemental ground-truthing and bathymetric surveys. Towill Surveying. (Very large document, available on request)

### **PROJECT MAP**

Please see the attached project map, Figure 4.

# Walnut and Grayson Creeks Levee Rehabilitation Project



Note:  
This project is not  
a part of SPFC

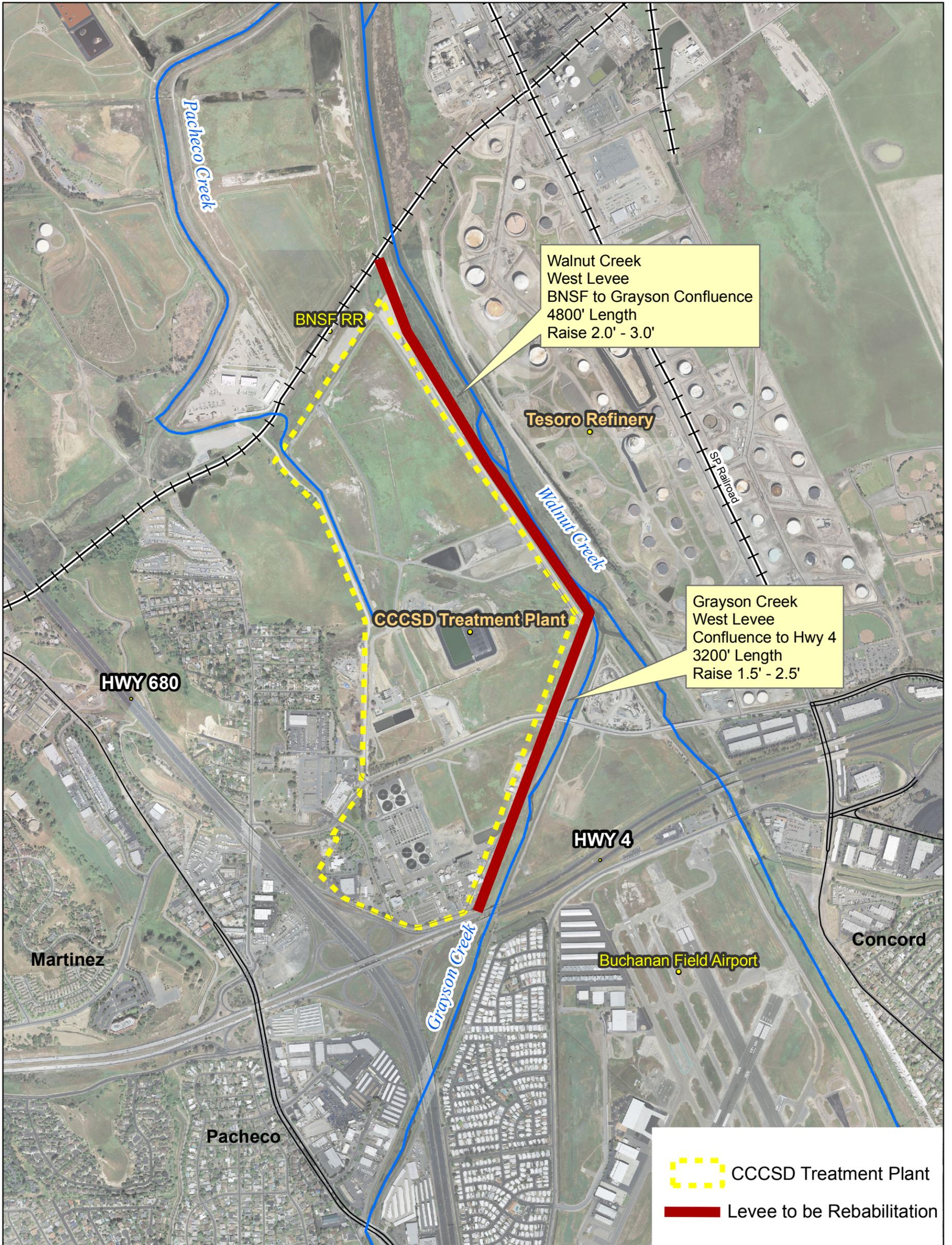


Produced by JW 1/24/2013



Figure 3  
Regional Map

# Walnut and Grayson Creeks Levee Rehabilitation Project



### **PROJECT SPECIFICS**

This project is located in central Contra Costa County between the Cities of Martinez and Concord. Walnut and Grayson Creeks are natural creeks that have been modified by the District and the USACE for flood control purposes. **These creeks are not part of the State Plan of Flood Control.** Walnut and Grayson Creeks are maintained by the District and do not have any liability associated with the Sacramento River and San Joaquin River Flood Control System.

### **PROJECT TIMING AND PHASING**

This project is a single, standalone project and will be fully functional without the implementation of any subsequent projects.

### **PROPOSED WORK**

#### **PROJECT DESCRIPTION**

This project will raise 7,700 feet of existing levees along Grayson and Walnut Creeks to provide flood protection from the 500-year water surface with freeboard for the CCCSD treatment plant, which is located adjacent to the confluence of these two streams. The levees to be rehabilitated under this project extend northward from California Highway 4 to the BNSF Railroad Bridge along the west sides of Grayson and Walnut Creeks (see Figure 3). Photographs of the levees and the creek as well as photographs of the interior of the CCCSD treatment plant that would be subject to inundation follow.



**Photograph 1 – Grayson Creek Levee Looking Upstream. CCCSD Treatment Plant and Highway 4 in the Background**



**Photograph 2 – Walnut Creek Levee at BNSF Crossing**



**Photograph 3 – Below-grade "West Gallery", Interior of CCCSD Treatment Plant**



**Photograph 4 – Below-Grade Primary Effluent Pumps, Interior of CCCSD Treatment Plant**



**Photo 5 – Solids Furnace Equipment in CCCSD Treatment Plant Basement**



**Photo 6 -- Solids Furnace in CCCSD Treatment Plant Basement**



**Photo 7 – Solids Thickening Polymer Addition Equipment in Plant Basement**

**TASK DESCRIPTION**

The proposed project is composed of the following tasks:

**Task 1 – Preliminary Design and Risk and Uncertainty Analysis**

*Work Tasks and Deliverables:*

Preliminary Design and Risk and Uncertainty Analysis tasks are summarized in the following table.

<b>Task</b>	<b>Description</b>	<b>Deliverables</b>
1.1 Preliminary Design	This task will prepare a finalized project scope for the remediation necessary to provide the appropriate level of flood protection. It will further refine the approach and determine the most effective method of providing flood protection, which may be either installation/ modification of floodwalls or adding additional fill to earthen levees or a combination of the two. A summary of the preliminary information necessary for compliance with the California Environmental Quality Act (CEQA) and environmental permitting will be prepared and submitted to the District’s in-house Environmental Division.	Preliminary Design and Initiation of CEQA Process
1.2 Risk and Uncertainty Analysis	This task consists of the preparation of a Risk and Uncertainty Analysis report for submittal to the USACE. This task will finalize the levee heights and will allow the USACE to authorize modification of the levees.	Risk and Uncertainty Analysis

**Task 2 – Environmental Permitting and Compliance**

*Work Tasks and Deliverables:*

Environmental Permitting and Compliance tasks are summarized in the following table. CEQA and agency permitting for this project have not been initiated.

<b>Task</b>	<b>Description</b>	<b>Deliverables</b>
2.1 CEQA	This task includes the California Environmental Quality Act (CEQA) Initial Study and Mitigated Negative Declaration (anticipated)	CEQA Documentation
2.2 Permits	This task involves securing the following permits: <ul style="list-style-type: none"> <li>• US Army Corps of Engineers Section 404 permit</li> <li>• Regional Water Quality Control Board Section 401 Water Quality Certification</li> <li>• Department of Fish and Game Lake and Streambed Alteration Agreement</li> </ul>	Approved Permits

**Task 3 – Real Property Acquisition**

*Work Tasks and Deliverables:*

Real Property Acquisition tasks are summarized in the following table.

<b>Task</b>	<b>Description</b>	<b>Deliverables</b>
3. Real Property Acquisition	This task involves acquisition of property and easements for project: Construction of the proposed improvements may require the District acquire easements from its partner agency, CCCSD, and from other adjacent property owners such as the CalTrans and BNSF Railroad. The District already owns the existing levees and creek channels.	Fee title and easement for property

**Task 4 – Design**

*Work Tasks and Deliverables:*

Design tasks are summarized in the following table.

<b>Task</b>	<b>Description</b>	<b>Deliverables</b>
4.1 Preliminary Scoping and Data Gathering Task	This task includes the gathering and compilation of data generated from previous studies of the levees under the USACE. Data collected will be used to prepare a Design Request Form for submittal to the District’s Design Division for the work.	Completed Design Request Form
4.2 Detailed Surveys	This task will be conducted to develop detailed cross-sectional and profile data for the levee system and specifically identify where additional levee/floodwall height is required.	Completed surveys for Design use
4.3 35% Plans and Estimate	This task includes the preparation of 35% plans and a project estimate for review by relevant District divisions and CCCSD.	35% plans and estimate for review
4.4 65% Plans, Specifications, and Estimate	This task includes the preparation of 65% plans, specifications, and a project estimate for review by relevant District divisions and CCCSD. Contra Costa County and CalTrans Standards will be used.	65% plans, specifications, and estimate for review
4.5 95% Plans, Specifications, and Estimate	This task includes the preparation of 95% plans, specifications, and a project estimate for review by relevant District divisions and CCCSD. Contra Costa County and CalTrans Standards will be used.	95% plans, specifications, and estimate for review
4.6 100% Plans, Specifications, and Estimate	This task includes the preparation of the final plans, specifications, and a project estimate for review by relevant District divisions and CCCSD. Contra Costa County and CalTrans Standards will be used.	100% plans, specifications, and estimate for review

### Task 5 – Construction Engineering

*Work Tasks and Deliverables:*

Construction Engineering tasks are summarized in the following table.

<b>Task</b>	<b>Description</b>	<b>Deliverables</b>
5.1 Advertisement	The task includes advertising for bids and holding a pre-bid meeting with potential bidders for the proposed work.	Bid Advertisement Pre-Bid Meeting
5.2 Award	This task includes the bid opening and evaluation, and final award of the contract	Contract Award
5.3 Notice to Proceed	This task includes notifying the contractor when to proceed and accepting any submittals they may have.	Notice to Proceed to Contractor
5.4 Mobilization and Site Prep	This task consists of the selected contractor mobilizing equipment. It may also include clear and grub and or stripping activities.	On-site Equipment Mobilized
5.5 Construction	This task includes the construction contract, the resident engineer, and materials testing for construction. The construction contract will include the following items: <ul style="list-style-type: none"> <li>• Water pollution control</li> <li>• Construction area signs</li> <li>• Excavation</li> <li>• Import borrow and placement on the levees</li> <li>• Erosion control</li> <li>• Concrete block or sheet pile wall installation</li> <li>• Fencing</li> </ul>	Completed Construction
5.6 Performance Testing and Demobilization	This task will include punch list items, survey of final quantities for contractor payment and contractor demobilization.	Punch List, Final Surveys and Contractor Demobilization
5.7 Mitigation Planting	This task includes mobilization and site preparation, mitigation planting (if needed), and demobilization.	Mitigation Planting Complete
5.8 Construction Administration	This task consists of the construction management of the contractor by either District staff or hired consultant.	Construction Manager In Place for Construction Duration

### Task 6 – Reporting

*Work Tasks and Deliverables:*

Reporting tasks are summarized in the following table.

<b>Task</b>	<b>Description</b>	<b>Deliverables</b>
6. Reporting	This task includes the development, preparation, and submittal of quarterly and final reports to DWR as required by the grant agreement	Quarterly and Final Reports

**Task 7 – Project Management**

Project Management tasks will include overall project administration and management.

*Work Tasks and Deliverables:*

Project Management tasks are summarized in the following table.

<b>Task</b>	<b>Description</b>	<b>Deliverables</b>
7.1 Project Management/ Administration	This task involves general project administration including coordination with the project team and partners and preparation of project invoices. In addition, this task includes interface with the labor compliance officer.	Project Invoices
7.2 Labor Compliance Program/ Project Labor Agreement	The District requires a Project Labor Agreement (PLA) for all construction contracts greater than \$1,000,000. DWR has agreed that a PLA can be substituted for a Labor Compliance Agreement.	Labor Compliance Program/Project Labor Agreement

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