

PUBLIC WORKS AGENCY  
WATERSHED PROTECTION DISTRICT



FIVE-YEAR  
CAPITAL IMPROVEMENT PROGRAM

**VENTURA COUNTY PUBLIC WORKS AGENCY****WATERSHED PROTECTION DISTRICT****FIVE YEAR PLANNED CAPITAL PROJECTS****(FUNDING SOURCE AND AMOUNT)****FISCAL YEAR****2018/2019****2019/2020****2020/2021****2021/2022****2022/2023****Total****Zone: 1**

WPD	\$ 9,806,559	\$ 289,000	\$ 760,000	\$ 130,000	\$ -	\$ 10,985,559
-----	--------------	------------	------------	------------	------	---------------

**Zone: 2**

WPD	\$ 12,827,014	\$ 12,875,775	\$ 3,285,198	\$ 885,000	\$ 4,325,000	\$ 34,197,987
-----	---------------	---------------	--------------	------------	--------------	---------------

**Zone: 3**

WPD	\$ 2,780,000	\$ 2,895,000	\$ 5,355,000	\$ 4,060,000	\$ 4,280,000	\$ 19,370,000
-----	--------------	--------------	--------------	--------------	--------------	---------------

**Zone: 4**

WPD	\$ 23,000	\$ 782,381	\$ -	\$ -	\$ -	\$ 805,381
-----	-----------	------------	------	------	------	------------

<b>Annual Total</b>	<b>\$ 25,436,573</b>	<b>\$ 16,842,156</b>	<b>\$ 9,400,198</b>	<b>\$ 5,075,000</b>	<b>\$ 8,605,000</b>	<b>\$ 65,358,927</b>
---------------------	----------------------	----------------------	---------------------	---------------------	---------------------	----------------------

**VENTURA COUNTY PUBLIC WORKS AGENCY****WATERSHED PROTECTION DISTRICT****FIVE YEAR PLANNED CAPITAL PROJECTS****ZONE: 1****FISCAL YEAR (2018/2019)**

<b>Project</b>	<b>Location</b>	<b>Estimated Costs</b>
1 Fresno Canyon Diversion	Community of Casitas Springs	\$ 6,972,559
2 Matilija Dam Removal 65% Design Planning Project	Matilija Creek	\$ 2,260,000
3 Matilija Dam Removal Estuarine and Coastal Modeling	City of Ventura	\$ 265,000
4 Ventura River Levee at Casitas Springs (VR-2)	Community of Casitas Springs	\$ 66,000
5 Ventura River Levee at Ventura (VR-1)	City of Ventura	\$ 243,000
<b>Grand Total:</b>		\$ 9,806,559

**VENTURA COUNTY PUBLIC WORKS AGENCY****WATERSHED PROTECTION DISTRICT****FIVE YEAR PLANNED CAPITAL PROJECTS****ZONE: 1****FISCAL YEARS (2019/2020 to 2022/2023)**

	<b><u>Project</u></b>	<b><u>Location</u></b>	<b><u>Estimated Costs</u></b>
1	Fresno Canyon Diversion	Community of Casitas Springs	\$ -
2	Matilija Dam Removal 65% Design Planning Project	Matilija Creek	\$ 149,000
3	Matilija Dam Removal Estuarine and Coastal Modeling	City of Ventura	\$ -
4	Ventura River Levee at Casitas Springs (VR-2)	Community of Casitas Springs	\$ 770,000
5	Ventura River Levee at Ventura (VR-1)	City of Ventura	\$ 260,000
<b>Grand Total:</b>			\$ 1,179,000

**VENTURA COUNTY PUBLIC WORKS AGENCY****WATERSHED PROTECTION DISTRICT****Project Name:** Fresno Canyon Diversion**Project No.:** 81181**Supervisory District:** 1**Zone:** 1**Unincorporated Area:** X **City of:** N/A**Location:** Community of Casitas Springs**LOCATION MAP****SCOPE OF WORK AND OBJECTIVE**

Construct a reinforced concrete pipe diversion from upstream of Highway 33 to Ventura River. The purpose of this project is to provide 100-year flood protection from Fresno Canyon to the community of Casitas Springs.

**ESTIMATED COSTS PER FISCAL YEAR**

Category	Prev Years	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Design:	\$ 1,789,540	\$ -	\$ -	\$ -	\$ -	\$ -
Right of Way:	\$ 655,998	\$ -	\$ -	\$ -	\$ -	\$ -
Con. Eng./Insp.:	\$ 50,537	\$ 605,000	\$ -	\$ -	\$ -	\$ -
Construction:	\$ 55,221	\$ 5,907,559	\$ -	\$ -	\$ -	\$ -
*Miscellaneous:	\$ 12,443	\$ 460,000	\$ -	\$ -	\$ -	\$ -
Fiscal Year Total:	\$ 2,563,740	\$ 6,972,559	\$ -	\$ -	\$ -	\$ -
Total Estimated Costs:	\$ 9,536,299					

**ENVIRONMENTAL REQUIREMENTS****Cat. Ex:****Neg. Dec:****EIR/EIS:** X**Date Completed:** 05/13/2014**Date Filed:** 05/13/2014**REMARKS**

Additional annual operations and maintenance costs = \$20,000. Mitigation monitoring and maintenance costs = \$100,000 (funded annually over five years from construction completion). FEMA will reimburse 75% of costs, up to a maximum of \$3,000,000.

**Prepared By:** Masood Jilani**Date:** 05/22/2018

**VENTURA COUNTY PUBLIC WORKS AGENCY****WATERSHED PROTECTION DISTRICT****Project Name:** Matilija Dam Removal 65% Design Planning Project**Project No.:** 81905**Supervisory District:** 1**Zone:** 1**Unincorporated Area:** X **City of:** N/A**Location:** Matilija Creek**LOCATION MAP****SCOPE OF WORK AND OBJECTIVE**

The Matilija Dam project objectives are to remove the dam to provide steelhead passage to upstream habitat, and sediment transport of sand to the beaches. The scope of this project is 65% of all project components, CEQA/NEPA compliance, and permits.

**ESTIMATED COSTS PER FISCAL YEAR**

Category	Prev Years	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Design:	\$ 847,748	\$ 2,260,000	\$ 137,000	\$ -	\$ -	\$ -
Right of Way:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Con. Eng./Insp.:	\$ -	\$ -	\$ 12,000	\$ -	\$ -	\$ -
Construction:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
*Miscellaneous:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fiscal Year Total:	\$ 847,748	\$ 2,260,000	\$ 149,000	\$ -	\$ -	\$ -
Total Estimated Costs:	\$ 3,256,748					

**ENVIRONMENTAL REQUIREMENTS****Cat. Ex:****Neg. Dec:****EIR/EIS:** X**Date Completed:** 12/14/2004**Date Filed:** 12/17/2004**REMARKS**

This project will be reimbursed 100% up to a limit of \$3.3M from California Department of Fish and Wildlife.

**Prepared By:** Peter Sheydayi**Date:** 03/15/2018



# VENTURA COUNTY PUBLIC WORKS AGENCY

## WATERSHED PROTECTION DISTRICT

**Project Name:** Matilija Dam Removal Estuarine and Coastal Modeling

**Project No.:** 81904

**Supervisory District:** 1

**Zone:** 1

**Unincorporated Area:**

**City of:** Ventura

**Location:** N/A

### LOCATION MAP



### SCOPE OF WORK AND OBJECTIVE

The objective of the project is to provide detailed modeling of sediments delivered to the Ventura River estuary and nearshore waters as a result of the removal of Matilija Dam assessing effects on estuarine and marine habitats.

### ESTIMATED COSTS PER FISCAL YEAR

Category	Prev Years	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Design:	\$ 1,831	\$ 265,000	\$ -	\$ -	\$ -	\$ -
Right of Way:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Con. Eng./Insp.:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
*Miscellaneous:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fiscal Year Total:	\$ 1,831	\$ 265,000	\$ -	\$ -	\$ -	\$ -
Total Estimated Costs:	\$ 266,831					

### ENVIRONMENTAL REQUIREMENTS

**Cat. Ex:**

**Neg. Dec:**

**EIR/EIS:** X

**Date Completed:** 12/14/2004

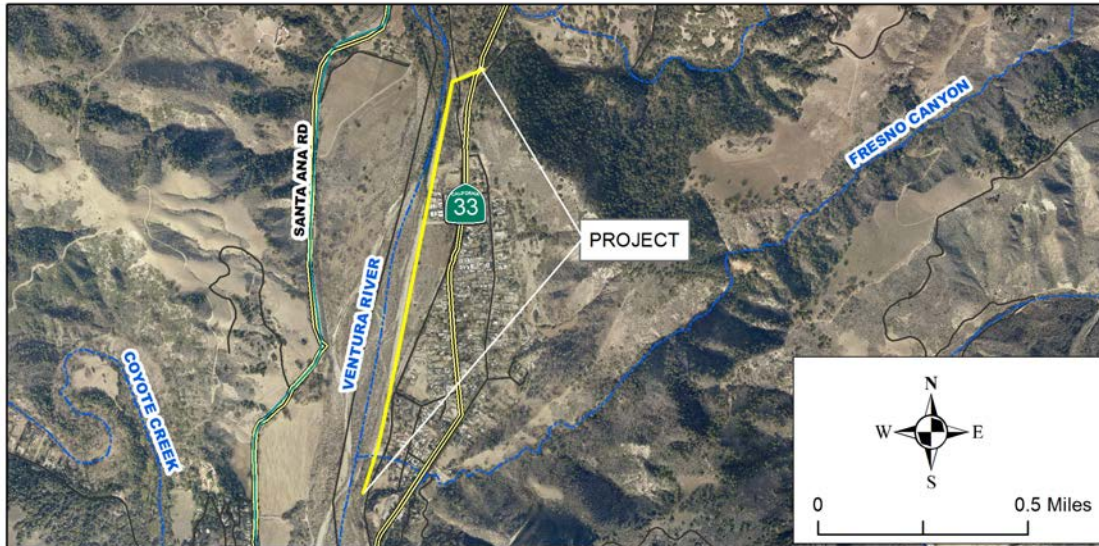
**Date Filed:** 12/17/2004

### REMARKS

All costs for this modeling study will be paid for by a National Fish and Wildlife Foundation grant.

**Prepared By:** Shweta Chervu

**Date:** 05/23/2018

**VENTURA COUNTY PUBLIC WORKS AGENCY****WATERSHED PROTECTION DISTRICT****Project Name:** Ventura River Levee at Casitas Springs (VR-2)**Project No.:** 81025**Supervisory District:** 1**Zone:** 1**Unincorporated Area:** X **City of:** N/A**Location:** Community of Casitas Springs**LOCATION MAP****SCOPE OF WORK AND OBJECTIVE**

Complete improvements to the Casitas Spring Levee required for certification of the levee to meet 44 CFR 65.10 and provide 100-year flood protection to the community of Casitas Springs.

**ESTIMATED COSTS PER FISCAL YEAR**

Category	Prev Years	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Design:	\$ 684,235	\$ 66,000	\$ -	\$ 700,000	\$ 70,000	\$ -
Right of Way:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Con. Eng./Insp.:	\$ 1,982	\$ -	\$ -	\$ -	\$ -	\$ -
Construction:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
*Miscellaneous:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fiscal Year Total:	\$ 686,217	\$ 66,000	\$ -	\$ 700,000	\$ 70,000	\$ -
Total Estimated Costs:	\$ 1,522,217					

**ENVIRONMENTAL REQUIREMENTS****Cat. Ex:****Neg. Dec:**X**EIR/EIS:****Date Completed:**--**Date Filed:**---**REMARKS**

55% of current scope of work, including preliminary design and geotechnical investigations, will be funded by a Department of Water Resources 2015 LLAP grant.

**Prepared By:** Masood Jilani**Date:** 03/15/2018



**VENTURA COUNTY PUBLIC WORKS AGENCY****WATERSHED PROTECTION DISTRICT****Project Name:** Ventura River Levee at Ventura (VR-1)**Project No.:** 81020**Supervisory District:** 1**Zone:** 1**Unincorporated Area:****City of:** Ventura**Location:** N/A**LOCATION MAP****SCOPE OF WORK AND OBJECTIVE**

Complete the engineering design and environmental compliance of improvements required to certify the existing U.S. Army Corps of Engineers' built Ventura River Levee (VR-1). The objective is to certify the levee and provide 100-yr flood protection.

**ESTIMATED COSTS PER FISCAL YEAR**

Category	Prev Years	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Design:	\$ 2,350,408	\$ 243,000	\$ 140,000	\$ 60,000	\$ 60,000	\$ -
Right of Way:	\$ 18,879	\$ -	\$ -	\$ -	\$ -	\$ -
Con. Eng./Insp.:	\$ 3,215	\$ -	\$ -	\$ -	\$ -	\$ -
Construction:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
*Miscellaneous:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fiscal Year Total:	\$ 2,372,502	\$ 243,000	\$ 140,000	\$ 60,000	\$ 60,000	\$ -
Total Estimated Costs:	\$ 2,875,502					

**ENVIRONMENTAL REQUIREMENTS****Cat. Ex:****Neg. Dec:****EIR/EIS:** X**Date Completed:--****Date Filed:--****REMARKS**

USACE has rated VR-1 as "minimally acceptable" and therefore no federal funding is anticipated. 55% of current scope of work, including final design, CEQA, and permitting, will be funded by a Department of Water Resources 2015 LLAP grant.

**Prepared By:** Salvador Diaz-Rubin**Date:** 05/23/2018

**VENTURA COUNTY PUBLIC WORKS AGENCY****WATERSHED PROTECTION DISTRICT****FIVE YEAR PLANNED CAPITAL PROJECTS****ZONE: 2****FISCAL YEAR (2018/2019)**

<b>Project</b>	<b>Location</b>	<b>Estimated Costs</b>
1 Adams Debris Basin Safety Retrofits	West of City of Santa Paula	\$ -
2 Arundell Barranca Hydraulic Deficiency D/S of Arundell Circle	City of Ventura	\$ 497,000
3 Brown Barranca Improvements - Santa Clara River to Telephone Road	City of Ventura	\$ -
4 Cavin Road Debris Basin Retrofits	West of the Community of Piru	\$ 775,050
5 Piru Stormwater Capture for Groundwater Recharge	Community of Piru	\$ 352,900
6 Rice Road Drain at Terrace Avenue RCB Repair	City of Oxnard	\$ -
7 Santa Clara River Levee D/S of Hwy 101 (SCR-3)	City of Oxnard	\$ 10,826,864
8 Santa Clara River Levee U/S of Hwy 101 (SCR-1)	City of Oxnard	\$ 90,000
9 Sespe Creek Levee - Hwy 126 to Old Telegraph Rd (SC-2)	City of Fillmore	\$ 120,000
10 tsumas creek - Hueneme Road to Pleasant Valley Road	City of Oxnard	\$ 165,200
<b>Grand Total:</b>		\$ 12,827,014

**VENTURA COUNTY PUBLIC WORKS AGENCY****WATERSHED PROTECTION DISTRICT****FIVE YEAR PLANNED CAPITAL PROJECTS****ZONE: 2****FISCAL YEARS (2019/2020 to 2022/2023)**

<b>Project</b>	<b>Location</b>	<b>Estimated Costs</b>
1 Adams Debris Basin Safety Retrofits	West of City of Santa Paula	\$ 1,040,000
2 Arundell Barranca Hydraulic Deficiency D/S of Arundell Circle	City of Ventura	\$ 90,000
3 Brown Barranca Improvements - Santa Clara River to Telephone Road	City of Ventura	\$ 5,175,000
4 Cavin Road Debris Basin Retrofits	West of the Community of Piru	\$ 140,000
5 Piru Stormwater Capture for Groundwater Recharge	Community of Piru	\$ 97,562
6 Rice Road Drain at Terrace Avenue RCB Repair	City of Oxnard	\$ 692,550
7 Santa Clara River Levee D/S of Hwy 101 (SCR-3)	City of Oxnard	\$ 744,343
8 Santa Clara River Levee U/S of Hwy 101 (SCR-1)	City of Oxnard	\$ 225,000
9 Sespe Creek Levee - Hwy 126 to Old Telegraph Rd (SC-2)	City of Fillmore	\$ -
10 tsumas creek - Hueneme Road to Pleasant Valley Road	City of Oxnard	\$ 13,166,518
<b>Grand Total:</b>		\$ 21,370,973

**VENTURA COUNTY PUBLIC WORKS AGENCY****WATERSHED PROTECTION DISTRICT****Project Name:** Adams Debris Basin Safety Retrofits**Project No.:** TBD**Supervisory District:** 3**Zone:** 2**Unincorporated Area:** X **City of:** N/A**Location:** West of City of Santa Paula**LOCATION MAP****SCOPE OF WORK AND OBJECTIVE**

The objective of this project is to retrofit or replace the existing emergency spillway to meet District dam freeboard requirements.

**ESTIMATED COSTS PER FISCAL YEAR**

Category	Prev Years	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Design:	\$ -	\$ -	\$ 120,000	\$ 130,000	\$ -	\$ -
Right of Way:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Con. Eng./Insp.:	\$ -	\$ -	\$ -	\$ -	\$ 140,000	\$ -
Construction:	\$ -	\$ -	\$ -	\$ 650,000	\$ -	\$ -
*Miscellaneous:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fiscal Year Total:	\$ -	\$ -	\$ 120,000	\$ 780,000	\$ 140,000	\$ -
Total Estimated Costs:	\$ 1,040,000					

**ENVIRONMENTAL REQUIREMENTS****Cat. Ex:** X**Neg. Dec:****EIR/EIS:****Date Completed:--****Date Filed:--****REMARKS**

Additional Annual Operations and Maintenance Costs = \$0. Work expected to fit within the Routine O&M Program regulatory permit authorization requirements.

**Prepared By:** Peter Sheydayi**Date:** 03/04/2018



**VENTURA COUNTY PUBLIC WORKS AGENCY****WATERSHED PROTECTION DISTRICT****Project Name:** Arundell Barranca Hydraulic Deficiency D/S of Arundell Circle**Project No.:** 82409**Supervisory District:** 1**Zone:** 2**Unincorporated Area:****City of:** Ventura**Location:** N/A**LOCATION MAP****SCOPE OF WORK AND OBJECTIVE**

The purpose of this project is to complete improvements including the removal of a bridge crossing and replacement with a channel matching the upstream and downstream channel to remove a hydraulic deficiency downstream of Arundell Circle.

**ESTIMATED COSTS PER FISCAL YEAR**

Category	Prev Years	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Design:	\$ 152,170	\$ 5,000	\$ -	\$ -	\$ -	\$ -
Right of Way:	\$ 11,651	\$ 5,000	\$ -	\$ -	\$ -	\$ -
Con. Eng./Insp.:	\$ -	\$ 87,000	\$ 90,000	\$ -	\$ -	\$ -
Construction:	\$ -	\$ 400,000	\$ -	\$ -	\$ -	\$ -
*Miscellaneous:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fiscal Year Total:	\$ 163,822	\$ 497,000	\$ 90,000	\$ -	\$ -	\$ -
Total Estimated Costs:	\$ 750,822					

**ENVIRONMENTAL REQUIREMENTS****Cat. Ex:** X**Neg. Dec:****EIR/EIS:****Date Completed:--****Date Filed:--****REMARKS**

Work expected to fit within the Routine O&M Program regulatory permit authorization requirements. The City of Ventura will pay for \$250k of the project costs in a yet to be approved agreement.

**Prepared By:** Kirk Norman**Date:** 05/23/2018



**VENTURA COUNTY PUBLIC WORKS AGENCY****WATERSHED PROTECTION DISTRICT****Project Name:** Brown Barranca Improvements - Santa Clara River to Telephone Road **Project No.:** TBD**Supervisory District:** 1**Zone:** 2**Unincorporated Area:****City of:** Ventura**Location:** N/A**LOCATION MAP****SCOPE OF WORK AND OBJECTIVE**

Construct channel improvements from the Santa Clara River to Telephone Road. Objective is to provide 100-year flood protection and eliminate severe bank erosion issues within the project reach.

**ESTIMATED COSTS PER FISCAL YEAR**

Category	Prev Years	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Design:	\$ -	\$ -	\$ -	\$ 200,000	\$ 650,000	\$ 200,000
Right of Way:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 325,000
Con. Eng./Insp.:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,800,000
*Miscellaneous:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fiscal Year Total:	\$ -	\$ -	\$ -	\$ 200,000	\$ 650,000	\$ 4,325,000
Total Estimated Costs:	\$ 5,175,000					

**ENVIRONMENTAL REQUIREMENTS****Cat. Ex:****Neg. Dec:****EIR/EIS:****Date Completed:--****Date Filed:---****REMARKS**

The City of Ventura has identified \$1.7M of development related fees for this project. District will also apply for state and federal grants to fund construction. Addition annual operations and maintenance costs = \$0.00

**Prepared By:** Peter Sheydayi**Date:** 03/15/2018

**VENTURA COUNTY PUBLIC WORKS AGENCY****WATERSHED PROTECTION DISTRICT****Project Name:** Cavin Road Debris Basin Retrofits**Project No.:** 83221**Supervisory District:** 3**Zone:** 2**Unincorporated Area:** X **City of:** N/A**Location:** West of the Community of Piru**LOCATION MAP****SCOPE OF WORK AND OBJECTIVE**

The purpose of this project is to modify the primary outlet to pass more sediment during annual storms, and improve the emergency spillway to meet District dam freeboard criteria.

**ESTIMATED COSTS PER FISCAL YEAR**

Category	Prev Years	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Design:	\$ 47,642	\$ 97,050	\$ -	\$ -	\$ -	\$ -
Right of Way:	\$ 181	\$ 60,000	\$ -	\$ -	\$ -	\$ -
Con. Eng./Insp.:	\$ -	\$ 68,000	\$ 140,000	\$ -	\$ -	\$ -
Construction:	\$ -	\$ 550,000	\$ -	\$ -	\$ -	\$ -
*Miscellaneous:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fiscal Year Total:	\$ 47,824	\$ 775,050	\$ 140,000	\$ -	\$ -	\$ -
Total Estimated Costs:	\$ 962,874					

**ENVIRONMENTAL REQUIREMENTS****Cat. Ex:** X**Neg. Dec:****EIR/EIS:****Date Completed:--****Date Filed:--****REMARKS**

Additional Annual Operations and Maintenance Costs = \$0. Work expected to fit within the Routine O&M Program regulatory permit authorization requirements.

**Prepared By:** Salvador Diaz-Rubin**Date:** 03/22/2018



# VENTURA COUNTY PUBLIC WORKS AGENCY

## WATERSHED PROTECTION DISTRICT

**Project Name:** Piru Stormwater Capture for Groundwater Recharge

**Project No.:** 40565

**Supervisory District:** 3

**Zone:** 2

**Unincorporated Area:** X **City of:** N/A

**Location:** Community of Piru

### LOCATION MAP



### SCOPE OF WORK AND OBJECTIVE

Minor modifications to connect the existing County storm drain system to the existing Piru Spreading Grounds owned by United Water Conservation District to capture stormwater for infiltration and groundwater recharge.

### ESTIMATED COSTS PER FISCAL YEAR

Category	Prev Years	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Design:	\$ 149,309	\$ -	\$ -	\$ -	\$ -	\$ -
Right of Way:	\$ 17,179	\$ -	\$ -	\$ -	\$ -	\$ -
Con. Eng./Insp.:	\$ -	\$ -	\$ 70,580	\$ -	\$ -	\$ -
Construction:	\$ -	\$ 352,900	\$ -	\$ -	\$ -	\$ -
*Miscellaneous:	\$ -	\$ -	\$ 26,982	\$ -	\$ -	\$ -
Fiscal Year Total:	\$ 166,487	\$ 352,900	\$ 97,562	\$ -	\$ -	\$ -
Total Estimated Costs:	\$ 616,949					

### ENVIRONMENTAL REQUIREMENTS

**Cat. Ex:** X

**Neg. Dec:**

**EIR/EIS:**

**Date Completed:--**

**Date Filed:---**

### REMARKS

This project will be reimbursed by the State Water Resources Control Board (SWRCB) grant under the Proposition 1 in the amount of \$455,837.

**Prepared By:** Ewelina Mutkowska

**Date:** 05/23/2018

**VENTURA COUNTY PUBLIC WORKS AGENCY****WATERSHED PROTECTION DISTRICT****Project Name:** Rice Road Drain at Terrace Avenue RCB Repair**Project No.:** 82312**Supervisory District:** 5**Zone:** 2**Unincorporated Area:****City of:** Oxnard**Location:** N/A**LOCATION MAP****SCOPE OF WORK AND OBJECTIVE**

The purpose of this project is to repair the damaged reinforced concrete box culvert under Terrace Avenue.

**ESTIMATED COSTS PER FISCAL YEAR**

Category	Prev Years	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Design:	\$ 142,985	\$ -	\$ 5,050	\$ -	\$ -	\$ -
Right of Way:	\$ 1,240	\$ -	\$ 5,000	\$ -	\$ -	\$ -
Con. Eng./Insp.:	\$ 1,303	\$ -	\$ 92,500	\$ 90,000	\$ -	\$ -
Construction:	\$ -	\$ -	\$ 500,000	\$ -	\$ -	\$ -
*Miscellaneous:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fiscal Year Total:	\$ 145,528	\$ -	\$ 602,550	\$ 90,000	\$ -	\$ -
Total Estimated Costs:	\$ 838,078					

**ENVIRONMENTAL REQUIREMENTS****Cat. Ex:** X**Neg. Dec:****EIR/EIS:****Date Completed:--****Date Filed:---****REMARKS**

Work expected to fit within the Routine O&M Program regulatory permit authorization requirements. The City of Oxnard will pay for 50% of the project costs in a yet to be approved agreement.

**Prepared By:** Kirk Norman**Date:** 05/23/2018



**VENTURA COUNTY PUBLIC WORKS AGENCY****WATERSHED PROTECTION DISTRICT****Project Name:** Santa Clara River Levee D/S of Hwy 101 (SCR-3)**Project No.:** 82045**Supervisory District:** 1, 5**Zone:** 2**Unincorporated Area:****City of:** Oxnard**Location:** N/A**LOCATION MAP****SCOPE OF WORK AND OBJECTIVE**

Upgrades to the levee improvements on the south bank of the Santa Clara River from the Bailard Landfill to the UPRR crossing. The objective is to protect adjacent properties from the 100-yr flood. The remainder of the project scope is for Phase 2.

**ESTIMATED COSTS PER FISCAL YEAR**

Category	Prev Years	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Design:	\$ 3,270,259	\$ 50,000	\$ -	\$ -	\$ -	\$ -
Right of Way:	\$ 120,348	\$ -	\$ -	\$ -	\$ -	\$ -
Con. Eng./Insp.:	\$ 875,663	\$ -	\$ 744,343	\$ -	\$ -	\$ -
Construction:	\$ 3,818,925	\$ 10,386,864	\$ -	\$ -	\$ -	\$ -
*Miscellaneous:	\$ -	\$ 390,000	\$ -	\$ -	\$ -	\$ -
Fiscal Year Total:	\$ 8,085,195	\$ 10,826,864	\$ 744,343	\$ -	\$ -	\$ -
Total Estimated Costs:	\$ 19,656,402					

**ENVIRONMENTAL REQUIREMENTS****Cat. Ex:****Neg. Dec:****EIR/EIS:** X**Date Completed:** 07/26/2016**Date Filed:** 07/26/2016**REMARKS**

City of Oxnard and District have conceptually agreed to share project costs. Mitigation monitoring and maintenance costs = \$400K (over 5yrs). 55% of design, CEQA and Phase 1 construction were funded by a Department of Water Resources 2011 LLAP grant.

**Prepared By:** Masood Jilani**Date:** 05/22/2018



**VENTURA COUNTY PUBLIC WORKS AGENCY****WATERSHED PROTECTION DISTRICT****Project Name:** Santa Clara River Levee U/S of Hwy 101 (SCR-1)**Project No.:** 82035**Supervisory District:** 1, 3, 5**Zone:** 2**Unincorporated Area:****City of:** Oxnard**Location:** N/A**LOCATION MAP****SCOPE OF WORK AND OBJECTIVE**

Upgrade existing U.S. Army Corps of Engineers built levee improvements on the south bank of the Santa Clara River from Hwy 101 to upstream of Hwy 118 to protect adjacent properties from the 100-yr flood and certify the levee.

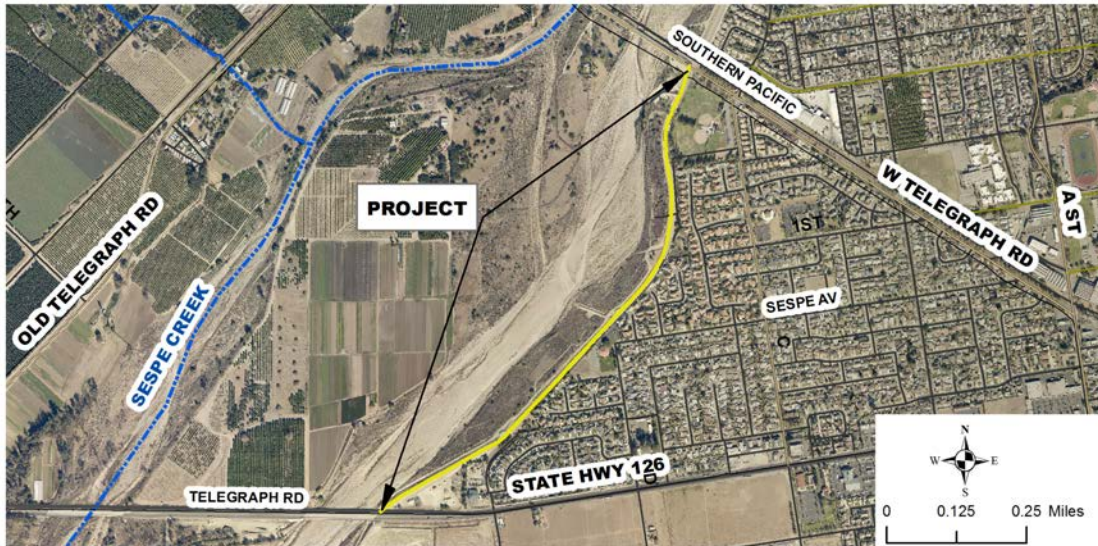
**ESTIMATED COSTS PER FISCAL YEAR**

Category	Prev Years	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Design:	\$ 2,958,575	\$ 90,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ -
Right of Way:	\$ 9,010	\$ -	\$ -	\$ -	\$ -	\$ -
Con. Eng./Insp.:	\$ 5,862	\$ -	\$ -	\$ -	\$ -	\$ -
Construction:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
*Miscellaneous:	\$ 157	\$ -	\$ -	\$ -	\$ -	\$ -
Fiscal Year Total:	\$ 2,973,604	\$ 90,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ -
Total Estimated Costs:	\$ 3,288,604					

**ENVIRONMENTAL REQUIREMENTS****Cat. Ex:****Neg. Dec:****EIR/EIS:** X**Date Completed:--****Date Filed:--****REMARKS**

Current scope of work includes final design, CEQA, and permitting. 55% of budgeted work will be funded by Department of Water Resources 2015 LLAP grant.

**Prepared By:** Kirk Norman**Date:** 05/22/2018

**VENTURA COUNTY PUBLIC WORKS AGENCY****WATERSHED PROTECTION DISTRICT****Project Name:** Sespe Creek Levee - Hwy 126 to Old Telegraph Rd (SC-2)**Project No.:** 83309**Supervisory District:** 3**Zone:** 2**Unincorporated Area:** X **City of:** Fillmore**Location:** N/A**LOCATION MAP****SCOPE OF WORK AND OBJECTIVE**

Construct upgrades to the existing U.S. Army Corps of Engineers built levee improvements on the east bank of the Sespe Creek from Hwy 126 to Old Telegraph Road. The objective is to protect adjacent properties from the 100-yr flood and certify the levee.

**ESTIMATED COSTS PER FISCAL YEAR**

Category	Prev Years	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Design:	\$ 2,275,686	\$ 40,000	\$ -	\$ -	\$ -	\$ -
Right of Way:	\$ 203,714	\$ 5,000	\$ -	\$ -	\$ -	\$ -
Con. Eng./Insp.:	\$ 176,131	\$ 40,000	\$ -	\$ -	\$ -	\$ -
Construction:	\$ 1,248,817	\$ 35,000	\$ -	\$ -	\$ -	\$ -
*Miscellaneous:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fiscal Year Total:	\$ 3,904,350	\$ 120,000	\$ -	\$ -	\$ -	\$ -
Total Estimated Costs:	\$ 4,024,350					

**ENVIRONMENTAL REQUIREMENTS****Cat. Ex:****Neg. Dec:**X**EIR/EIS:****Date Completed:**08/06/2013**Date Filed:**08/06/2013**REMARKS**

Additional annual operations and maintenance costs = \$0.00 No environmental mitigation anticipated. 55% of budgeted work was funded by a Department of Water Resources 2011 LLAP grant.

**Prepared By:** Kirk Norman**Date:** 05/22/2018



**VENTURA COUNTY PUBLIC WORKS AGENCY****WATERSHED PROTECTION DISTRICT****Project Name:** tsumas creek - Hueneme Road to Pleasant Valley Road**Project No.:** 82323**Supervisory District:** 3, 5**Zone:** 2**Unincorporated Area:****City of:** Oxnard**Location:** N/A**LOCATION MAP****SCOPE OF WORK AND OBJECTIVE**

Construct open channel improvements from downstream of Hueneme Road to Pleasant Valley Road to increase capacity of existing inadequate facility. Objective is to provide 100-yr flow protection to adjacent residential properties.

**ESTIMATED COSTS PER FISCAL YEAR**

Category	Prev Years	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Design:	\$ 369,927	\$ 160,200	\$ 105,000	\$ 5,000	\$ -	\$ -
Right of Way:	\$ 576	\$ 5,000	\$ 10,000	\$ -	\$ -	\$ -
Con. Eng./Insp.:	\$ 11,634	\$ -	\$ 190,000	\$ 510,000	\$ 20,000	\$ -
Construction:	\$ -	\$ -	\$ 10,701,320	\$ 1,625,198	\$ -	\$ -
*Miscellaneous:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fiscal Year Total:	\$ 382,138	\$ 165,200	\$ 11,006,320	\$ 2,140,198	\$ 20,000	\$ -
Total Estimated Costs:	\$ 13,713,856					

**ENVIRONMENTAL REQUIREMENTS****Cat. Ex:****Neg. Dec:****EIR/EIS:** X**Date Completed:** 03/27/2012**Date Filed:** 03/28/2012**REMARKS**

The project includes a \$4.4M grant to construct the project. The City and District need to enter into an agreement to share project costs and outline future maintenance responsibilities. Additional Annual Operations and Maintenance Costs = \$0.

**Prepared By:** Kirk Norman**Date:** 03/19/2018

**VENTURA COUNTY PUBLIC WORKS AGENCY****WATERSHED PROTECTION DISTRICT****FIVE YEAR PLANNED CAPITAL PROJECTS****ZONE: 3****FISCAL YEAR (2018/2019)**

<b>Project</b>	<b>Location</b>	<b>Estimated Costs</b>
1 Arroyo Conejo N Fork Repair Upstream of Keats Ave	City of Thousand Oaks	\$ 980,000
2 Arroyo Simi Grade Stabilization - Hitch Blvd to UPRR	City of Moorpark	\$ 825,000
3 Calleguas Creek Levee - Hwy 101 to Adolfo Rd (CC-2)	City of Camarillo	\$ 60,000
4 Castro Williams Debris Basin Safety Retrofits	City of Moorpark	\$ -
5 Conejo Mountain Creek Detention Basins 2-5 at Dos Vientos	City of Thousand Oaks	\$ 115,000
6 Coyote Canyon Debris Basin Safety Retrofits	In the community of Somis	\$ -
7 Ferro Ditch Channel Improvement	West of the City of Camarillo	\$ 170,000
8 Fox Canyon Debris Basin Safety Retrofits	In the community of Somis	\$ -
9 Honda West Debris Basin Safety Retrofit	North of City of Camarillo	\$ -
10 Moorpark Operations Yard Upgrade	City of Moorpark	\$ -
11 Santa Rosa Road #2 Debris Basin Decommissioning	Between Thousand Oaks and Moorpark	\$ 630,000

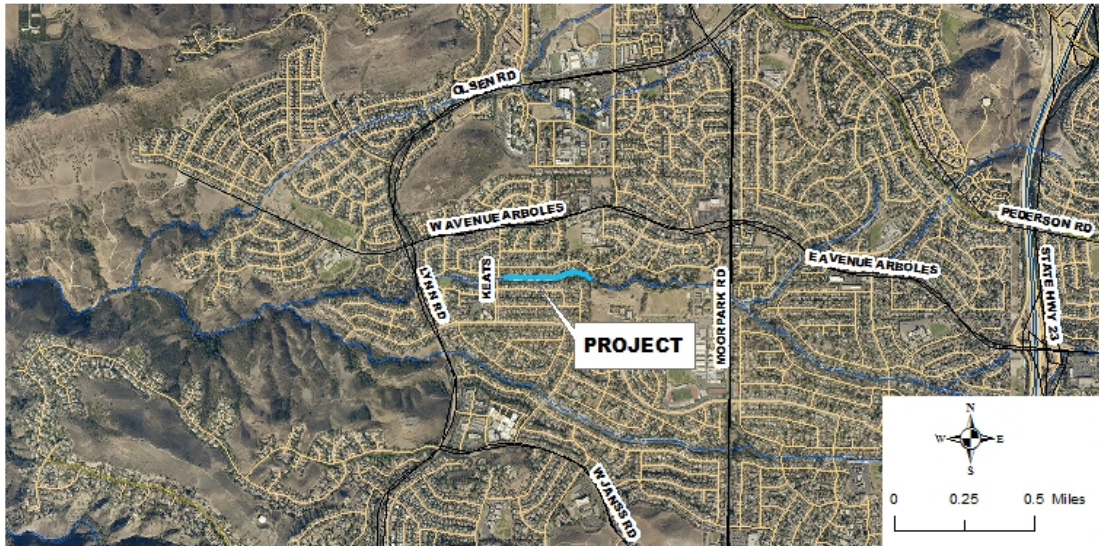
**Grand Total:** \$ 2,780,000

**VENTURA COUNTY PUBLIC WORKS AGENCY****WATERSHED PROTECTION DISTRICT****FIVE YEAR PLANNED CAPITAL PROJECTS****ZONE: 3****FISCAL YEARS (2019/2020 to 2022/2023)**

<b>Project</b>	<b>Location</b>	<b>Estimated Costs</b>
1 Arroyo Conejo N Fork Repair Upstream of Keats Ave	City of Thousand Oaks	\$ -
2 Arroyo Simi Grade Stabilization - Hitch Blvd to UPRR	City of Moorpark	\$ 3,725,000
3 Calleguas Creek Levee - Hwy 101 to Adolfo Rd (CC-2)	City of Camarillo	\$ 570,000
4 Castro Williams Debris Basin Safety Retrofits	City of Moorpark	\$ 1,040,000
5 Conejo Mountain Creek Detention Basins 2-5 at Dos Vientos	City of Thousand Oaks	\$ 2,250,000
6 Coyote Canyon Debris Basin Safety Retrofits	In the community of Somis	\$ 1,040,000
7 Ferro Ditch Channel Improvement	West of the City of Camarillo	\$ -
8 Fox Canyon Debris Basin Safety Retrofits	In the community of Somis	\$ 900,000
9 Honda West Debris Basin Safety Retrofit	North of City of Camarillo	\$ 900,000
10 Moorpark Operations Yard Upgrade	City of Moorpark	\$ 6,000,000
11 Santa Rosa Road #2 Debris Basin Decommissioning	Between Thousand Oaks and Moorpark	\$ 165,000

**Grand Total:** \$ 16,590,000



**VENTURA COUNTY PUBLIC WORKS AGENCY****WATERSHED PROTECTION DISTRICT****Project Name:** Arroyo Conejo N Fork Repair Upstream of Keats Ave**Project No.:** 86172**Supervisory District:** 2**Zone:** 3**Unincorporated Area:****City of:** Thousand Oaks**Location:** N/A**LOCATION MAP****SCOPE OF WORK AND OBJECTIVE**

Repair approximately 350 linear feet of reinforced concrete trapezoidal channel and 600 linear feet of earthen trapezoidal channel.

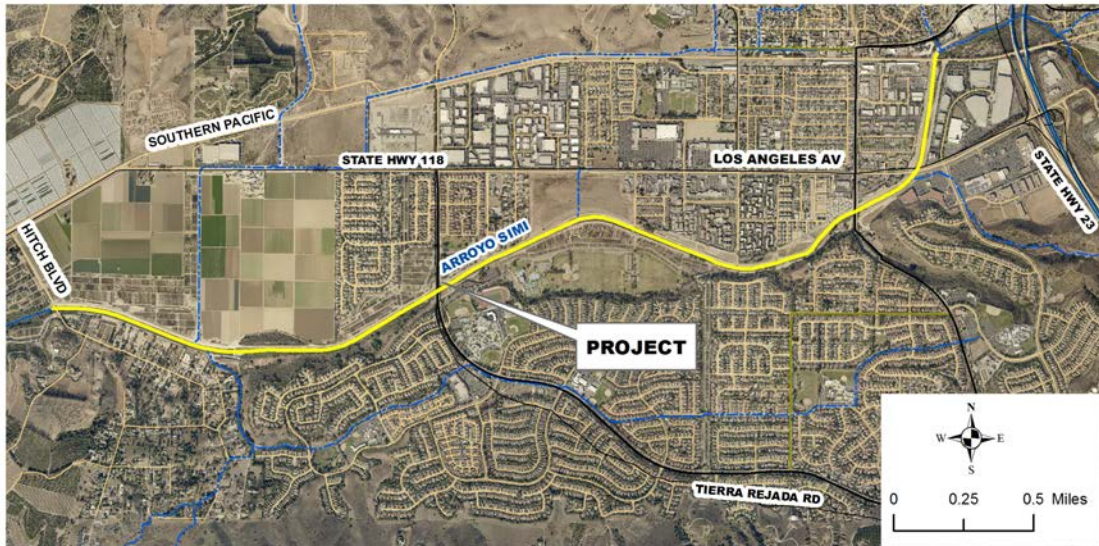
**ESTIMATED COSTS PER FISCAL YEAR**

Category	Prev Years	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Design:	\$ 372,149	\$ -	\$ -	\$ -	\$ -	\$ -
Right of Way:	\$ 1,391	\$ -	\$ -	\$ -	\$ -	\$ -
Con. Eng./Insp.:	\$ 3,511	\$ 180,000	\$ -	\$ -	\$ -	\$ -
Construction:	\$ -	\$ 800,000	\$ -	\$ -	\$ -	\$ -
*Miscellaneous:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fiscal Year Total:	\$ 377,051	\$ 980,000	\$ -	\$ -	\$ -	\$ -
Total Estimated Costs:	\$ 1,357,051					

**ENVIRONMENTAL REQUIREMENTS****Cat. Ex:** X**Neg. Dec:****EIR/EIS:****Date Completed:--****Date Filed:---****REMARKS**

Additional Annual Operations and Maintenance Costs = \$0 Work expected to fit within the Routine O&M Program regulatory permit authorization requirements.

**Prepared By:** Kirk Norman**Date:** 05/22/2018

**VENTURA COUNTY PUBLIC WORKS AGENCY****WATERSHED PROTECTION DISTRICT****Project Name:** Arroyo Simi Grade Stabilization - Hitch Blvd to UPRR**Project No.:** 87006**Supervisory District:** 4**Zone:** 3**Unincorporated Area:****City of:** Moorpark**Location:** N/A**LOCATION MAP****SCOPE OF WORK AND OBJECTIVE**

Project scope includes invert stabilization to eliminate scour and degradation within the project reach. A preliminary design study will be completed to properly site which stabilizers need to be improved and which may be removed.

**ESTIMATED COSTS PER FISCAL YEAR**

Category	Prev Years	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Design:	\$ 193,857	\$ 140,000	\$ 170,000	\$ 170,000	\$ 100,000	\$ -
Right of Way:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Con. Eng./Insp.:	\$ -	\$ 160,000	\$ 250,000	\$ 250,000	\$ 160,000	\$ -
Construction:	\$ -	\$ 500,000	\$ 1,000,000	\$ 1,000,000	\$ 500,000	\$ -
*Miscellaneous:	\$ -	\$ 25,000	\$ 50,000	\$ 50,000	\$ 25,000	\$ -
Fiscal Year Total:	\$ 193,857	\$ 825,000	\$ 1,470,000	\$ 1,470,000	\$ 785,000	\$ -
Total Estimated Costs:	\$ 4,743,857					

**ENVIRONMENTAL REQUIREMENTS****Cat. Ex:****Neg. Dec:**X**EIR/EIS:****Date Completed:--****Date Filed:--****REMARKS**

Additional annual operations and maintenance costs = \$0.00 Environmental mitigation will be required for new rock/concrete. Scope assumes that six stabilizers will be repaired or constructed to complete project.

**Prepared By:** Peter Sheydayi**Date:** 03/15/2018



## VENTURA COUNTY PUBLIC WORKS AGENCY

### WATERSHED PROTECTION DISTRICT

**Project Name:** Calleguas Creek Levee - Hwy 101 to Adolfo Rd (CC-2)

**Project No.:** 015049

**Supervisory District:** 3

**Zone:** 3

**Unincorporated Area:**

**City of:** Camarillo

**Location:** N/A

#### LOCATION MAP



#### SCOPE OF WORK AND OBJECTIVE

The objective of this project is to construct improvements to the existing Calleguas Creek Levee (CC-2) between Hwy 101 and Adolfo Road, and Somis Drain upstream to correct deficiencies in order to certify the existing levee with FEMA.

#### ESTIMATED COSTS PER FISCAL YEAR

Category	Prev Years	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Design:	\$ 371,030	\$ 60,000	\$ 450,000	\$ 120,000	\$ -	\$ -
Right of Way:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Con. Eng./Insp.:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
*Miscellaneous:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fiscal Year Total:	\$ 371,030	\$ 60,000	\$ 450,000	\$ 120,000	\$ -	\$ -
Total Estimated Costs:	\$ 1,001,030					

#### ENVIRONMENTAL REQUIREMENTS

**Cat. Ex:**

**Neg. Dec:** X

**EIR/EIS:**

**Date Completed:** --

**Date Filed:** ---

#### REMARKS

Mitigation monitoring and maintenance costs are unknown at this time. 55% of current scope of work, including preliminary design and geotechnical investigations, will be funded by a Department of Water Resources 2015 LLAP grant.

**Prepared By:** Shweta Chervu

**Date:** 05/22/2018

**VENTURA COUNTY PUBLIC WORKS AGENCY****WATERSHED PROTECTION DISTRICT****Project Name:** Castro Williams Debris Basin Safety Retrofits**Project No.:** TBD**Supervisory District:** 4**Zone:** 3**Unincorporated Area:****City of:** Moorpark**Location:** N/A**LOCATION MAP****SCOPE OF WORK AND OBJECTIVE**

The objective of this project is to retrofit or replace the existing emergency spillway to meet District dam freeboard requirements.

**ESTIMATED COSTS PER FISCAL YEAR**

Category	Prev Years	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Design:	\$ -	\$ -	\$ 120,000	\$ 130,000	\$ -	\$ -
Right of Way:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Con. Eng./Insp.:	\$ -	\$ -	\$ -	\$ -	\$ 140,000	\$ -
Construction:	\$ -	\$ -	\$ -	\$ 650,000	\$ -	\$ -
*Miscellaneous:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fiscal Year Total:	\$ -	\$ -	\$ 120,000	\$ 780,000	\$ 140,000	\$ -
Total Estimated Costs:	\$ 1,040,000					

**ENVIRONMENTAL REQUIREMENTS****Cat. Ex:** X**Neg. Dec:****EIR/EIS:****Date Completed:--****Date Filed:--****REMARKS**

Additional Annual Operations and Maintenance Costs = \$0 Work expected to fit within the Routine O&M Program regulatory permit authorization requirements.

**Prepared By:** Peter Sheydayi**Date:** 03/02/2018



## VENTURA COUNTY PUBLIC WORKS AGENCY

### WATERSHED PROTECTION DISTRICT

**Project Name:** Conejo Mountain Creek Detention Basins 2-5 at Dos Vientos

**Project No.:** 86910

**Supervisory District:** 2

**Zone:** 3

**Unincorporated Area:**

**City of:** Thousand Oaks

**Location:** N/A

#### LOCATION MAP



#### SCOPE OF WORK AND OBJECTIVE

Rehabilitate existing debris and detention basins to meet District design standards. Focus is on developing a solution to solve detention and debris volume deficiencies.

#### ESTIMATED COSTS PER FISCAL YEAR

Category	Prev Years	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Design:	\$ 522,843	\$ 115,000	\$ 330,000	\$ 10,000	\$ -	\$ -
Right of Way:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Con. Eng./Insp.:	\$ -	\$ -	\$ -	\$ 375,000	\$ 35,000	\$ -
Construction:	\$ -	\$ -	\$ -	\$ 1,500,000	\$ -	\$ -
*Miscellaneous:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fiscal Year Total:	\$ 522,843	\$ 115,000	\$ 330,000	\$ 1,885,000	\$ 35,000	\$ -
Total Estimated Costs:	\$ 2,887,843					

#### ENVIRONMENTAL REQUIREMENTS

**Cat. Ex:**

**Neg. Dec:** X

**EIR/EIS:**

**Date Completed:** --

**Date Filed:** ---

#### REMARKS

Funding for this project is from a negotiated settlement from the developer that initially constructed these facilities.

**Prepared By:** Robin Jester

**Date:** 03/15/2018



# VENTURA COUNTY PUBLIC WORKS AGENCY

## WATERSHED PROTECTION DISTRICT

**Project Name:** Coyote Canyon Debris Basin Safety Retrofits

**Project No.:** TBD

**Supervisory District:**

**Zone:** 3

**Unincorporated Area:**

**City of:** N/A

**Location:** In the community of Somis

### LOCATION MAP



### SCOPE OF WORK AND OBJECTIVE

The objective of this project is to retrofit or replace the existing primary intake tower and emergency spillway to meet District dam requirements.

### ESTIMATED COSTS PER FISCAL YEAR

Category	Prev Years	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Design:	\$ -	\$ -	\$ 120,000	\$ 130,000	\$ -	\$ -
Right of Way:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Con. Eng./Insp.:	\$ -	\$ -	\$ -	\$ -	\$ 140,000	\$ -
Construction:	\$ -	\$ -	\$ -	\$ 650,000	\$ -	\$ -
*Miscellaneous:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fiscal Year Total:	\$ -	\$ -	\$ 120,000	\$ 780,000	\$ 140,000	\$ -
Total Estimated Costs:	\$ 1,040,000					

### ENVIRONMENTAL REQUIREMENTS

**Cat. Ex:** X

**Neg. Dec:**

**EIR/EIS:**

**Date Completed:--**

**Date Filed:---**

### REMARKS

Additional Annual Operations and Maintenance Costs = \$0 Work expected to fit within the Routine O&M Program regulatory permit authorization requirements.

**Prepared By:** Peter Sheydayi

**Date:** 03/15/2018

**VENTURA COUNTY PUBLIC WORKS AGENCY****WATERSHED PROTECTION DISTRICT****Project Name:** Ferro Ditch Channel Improvement**Project No.:** 85301**Supervisory District:** 3**Zone:** 3**Unincorporated Area:** X **City of:** N/A**Location:** West of the City of Camarillo**LOCATION MAP****SCOPE OF WORK AND OBJECTIVE**

Reconstruct existing earthen and concreted rock channel. Project objective is to increase channel capacity and improve access roads to protect adjacent properties and improve dam safety for Ferro Debris Basin.

**ESTIMATED COSTS PER FISCAL YEAR**

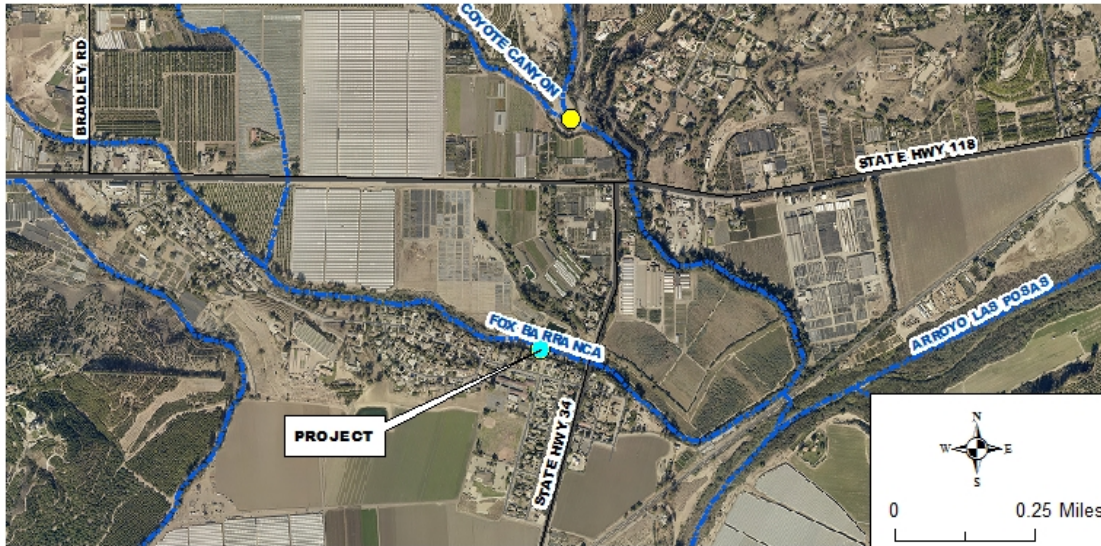
Category	Prev Years	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Design:	\$ 184,707	\$ 160,000	\$ -	\$ -	\$ -	\$ -
Right of Way:	\$ -	\$ 10,000	\$ -	\$ -	\$ -	\$ -
Con. Eng./Insp.:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
*Miscellaneous:	\$ 1,057	\$ -	\$ -	\$ -	\$ -	\$ -
Fiscal Year Total:	\$ 185,764	\$ 170,000	\$ -	\$ -	\$ -	\$ -
Total Estimated Costs:	\$ 355,764					

**ENVIRONMENTAL REQUIREMENTS****Cat. Ex:****Neg. Dec:**X**EIR/EIS:****Date Completed:**--**Date Filed:**---**REMARKS**

Scope of budget shown is for final design only and is 100% funded by NRCS. After final design is complete District will request NRCS to fund construction cost. Additional Annual Operations and Maintenance Costs = \$0. Mitigation required will be off-site.

**Prepared By:** Peter Sheydayi**Date:** 03/15/2018



**VENTURA COUNTY PUBLIC WORKS AGENCY****WATERSHED PROTECTION DISTRICT****Project Name:** Fox Canyon Debris Basin Safety Retrofits**Project No.:** TBD**Supervisory District:** 2**Zone:** 3**Unincorporated Area:** X **City of:** N/A**Location:** In the community of Somis**LOCATION MAP****SCOPE OF WORK AND OBJECTIVE**

The objective of this project is to retrofit or replace the existing emergency spillway to meet District dam freeboard requirements.

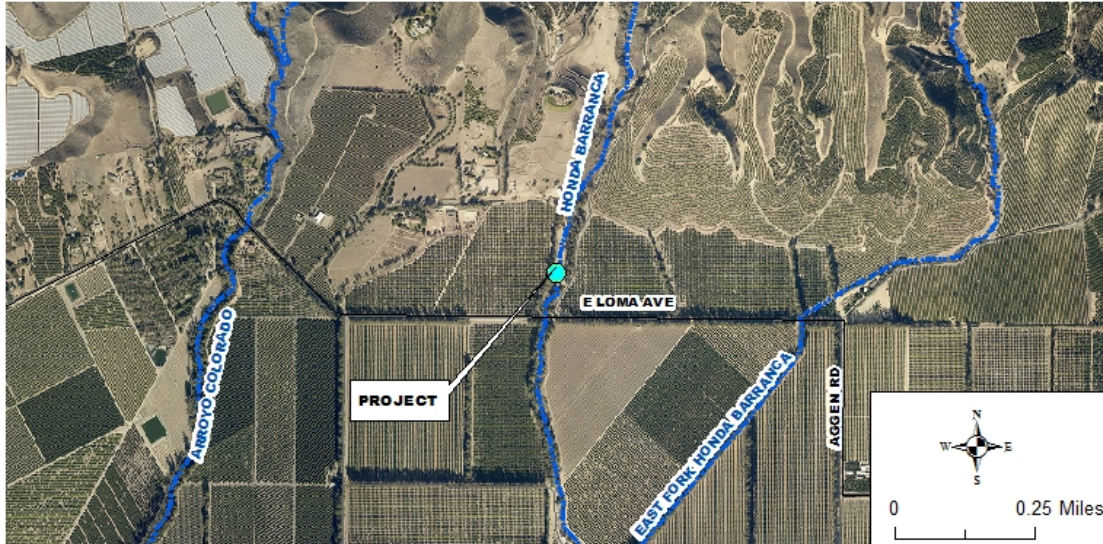
**ESTIMATED COSTS PER FISCAL YEAR**

Category	Prev Years	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Design:	\$ -	\$ -	\$ -	\$ -	\$ 120,000	\$ 130,000
Right of Way:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Con. Eng./Insp.:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 650,000
*Miscellaneous:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fiscal Year Total:	\$ -	\$ -	\$ -	\$ -	\$ 120,000	\$ 780,000
Total Estimated Costs:	\$ 900,000					

**ENVIRONMENTAL REQUIREMENTS****Cat. Ex:** X**Neg. Dec:****EIR/EIS:****Date Completed:--****Date Filed:--****REMARKS**

Additional Annual Operations and Maintenance Costs = \$0 Work expected to fit within the Routine O&M Program regulatory permit authorization requirements.

**Prepared By:** Peter Sheydayi**Date:** 03/06/2018

**VENTURA COUNTY PUBLIC WORKS AGENCY****WATERSHED PROTECTION DISTRICT****Project Name:** Honda West Debris Basin Safety Retrofit**Project No.:** TBD**Supervisory District:** 2**Zone:** 3**Unincorporated Area:** X **City of:** N/A**Location:** North of City of Camarillo**LOCATION MAP****SCOPE OF WORK AND OBJECTIVE**

The objective of this project is to retrofit or replace the existing emergency spillway to meet District dam freeboard requirements.

**ESTIMATED COSTS PER FISCAL YEAR**

Category	Prev Years	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Design:	\$ -	\$ -	\$ -	\$ -	\$ 120,000	\$ 130,000
Right of Way:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Con. Eng./Insp.:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 650,000
*Miscellaneous:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fiscal Year Total:	\$ -	\$ -	\$ -	\$ -	\$ 120,000	\$ 780,000
Total Estimated Costs:	\$ 900,000					

**ENVIRONMENTAL REQUIREMENTS****Cat. Ex:** X**Neg. Dec:****EIR/EIS:****Date Completed:--****Date Filed:--****REMARKS**

Additional Annual Operations and Maintenance Costs = \$0 Work expected to fit within the Routine O&M Program regulatory permit authorization requirements.

**Prepared By:** Peter Sheydayi**Date:** 03/04/2018



**VENTURA COUNTY PUBLIC WORKS AGENCY****WATERSHED PROTECTION DISTRICT****Project Name:** Moorpark Operations Yard Upgrade**Project No.:** TBD**Supervisory District:** 4**Zone:** 3**Unincorporated Area:****City of:** Moorpark**Location:** N/A**LOCATION MAP****SCOPE OF WORK AND OBJECTIVE**

The objective of this project is to reconstruct the aging and deficient Moorpark Operations Yard to meet current safety requirements.

**ESTIMATED COSTS PER FISCAL YEAR**

Category	Prev Years	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Design:	\$ -	\$ -	\$ 300,000	\$ 300,000	\$ -	\$ -
Right of Way:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Con. Eng./Insp.:	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$ 200,000
Construction:	\$ -	\$ -	\$ -	\$ -	\$ 2,500,000	\$ 2,500,000
*Miscellaneous:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fiscal Year Total:	\$ -	\$ -	\$ 300,000	\$ 300,000	\$ 2,700,000	\$ 2,700,000
Total Estimated Costs:	\$ 6,000,000					

**ENVIRONMENTAL REQUIREMENTS****Cat. Ex:****Neg. Dec:****EIR/EIS:****Date Completed:--****Date Filed:--****REMARKS**

Design and Construction of the Moorpark Operations Yard Upgrade will be carried out jointly with PWA's Transportation Department.

**Prepared By:** Karl Novak**Date:** 03/15/2018

**VENTURA COUNTY PUBLIC WORKS AGENCY****WATERSHED PROTECTION DISTRICT****Project Name:** Santa Rosa Road #2 Debris Basin Decommissioning**Project No.:** 86903**Supervisory District:** 2**Zone:** 3**Unincorporated Area:** X **City of:** N/A**Location:** Between Thousand Oaks and Moorpark**LOCATION MAP****SCOPE OF WORK AND OBJECTIVE**

The objective of this project is to remove the Santa Rosa Road #2 Debris Basin and restore the impacted area. The current dam and spillway do not meet current design criteria and the facility has marginal flood protection benefit.

**ESTIMATED COSTS PER FISCAL YEAR**

Category	Prev Years	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Design:	\$ 167,686	\$ 85,000	\$ -	\$ -	\$ -	\$ -
Right of Way:	\$ 10,979	\$ 20,000	\$ -	\$ -	\$ -	\$ -
Con. Eng./Insp.:	\$ -	\$ 150,000	\$ 85,000	\$ -	\$ -	\$ -
Construction:	\$ -	\$ 275,000	\$ -	\$ -	\$ -	\$ -
*Miscellaneous:	\$ -	\$ 100,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000
Fiscal Year Total:	\$ 178,665	\$ 630,000	\$ 105,000	\$ 20,000	\$ 20,000	\$ 20,000
Total Estimated Costs:	\$ 973,665					

**ENVIRONMENTAL REQUIREMENTS****Cat. Ex:** **Neg. Dec:** X **EIR/EIS:** **Date Completed:--** **Date Filed:--****REMARKS**

Additional Annual Operations and Maintenance Costs = \$0 On-site mitigation monitoring and maintenance costs = \$100,000.

**Prepared By:** Salvador Diaz-Rubin**Date:** 05/22/2018

**VENTURA COUNTY PUBLIC WORKS AGENCY**

**WATERSHED PROTECTION DISTRICT**

**FIVE YEAR PLANNED CAPITAL PROJECTS**

**ZONE: 4**

**FISCAL YEAR (2018/2019)**

<b><u>Project</u></b>		<b><u>Location</u></b>	<b><u>Estimated Costs</u></b>
1	Oak Park Green Streets Urban Retrofit	Community of Oak Park	\$ 23,000
<b>Grand Total:</b>			\$ 23,000

**VENTURA COUNTY PUBLIC WORKS AGENCY**

**WATERSHED PROTECTION DISTRICT**

**FIVE YEAR PLANNED CAPITAL PROJECTS**

**ZONE: 4**

**FISCAL YEARS (2019/2020 to 2022/2023)**

<b><u>Project</u></b>		<b><u>Location</u></b>	<b><u>Estimated Costs</u></b>
1	Oak Park Green Streets Urban Retrofit	Community of Oak Park	\$ 782,381
<b>Grand Total:</b>			\$ 782,381



# VENTURA COUNTY PUBLIC WORKS AGENCY

## WATERSHED PROTECTION DISTRICT

**Project Name:** Oak Park Green Streets Urban Retrofit

**Project No.:** 40540

**Supervisory District:** 2

**Zone:** 4

**Unincorporated Area:** X **City of:** N/A

**Location:** Community of Oak Park

### LOCATION MAP



### SCOPE OF WORK AND OBJECTIVE

Install Watershed Friendly Garden at Oak Park High School (completed in fall 2016), install 10 modular wetland proprietary devices in Oak Park, CA (completed in summer 2017), and install additional biofiltration system (postponed till summer 2019).

### ESTIMATED COSTS PER FISCAL YEAR

Category	Prev Years	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Design:	\$ 266,730	\$ 23,000	\$ -	\$ -	\$ -	\$ -
Right of Way:	\$ 5,132	\$ -	\$ -	\$ -	\$ -	\$ -
Con. Eng./Insp.:	\$ 141,878	\$ -	\$ 130,397	\$ -	\$ -	\$ -
Construction:	\$ 584,364	\$ -	\$ 651,984	\$ -	\$ -	\$ -
*Miscellaneous:	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fiscal Year Total:	\$ 998,103	\$ 23,000	\$ 782,381	\$ -	\$ -	\$ -
Total Estimated Costs:	\$ 1,803,484					

### ENVIRONMENTAL REQUIREMENTS

**Cat. Ex:** X

**Neg. Dec:**

**EIR/EIS:**

**Date Completed:** 07/22/2014

**Date Filed:** 10/08/2014

### REMARKS

This project will be reimbursed by a State Water Resources Control Board (SWRCB) grant under the Proposition 84 in the amount of \$1,397,990.

**Prepared By:** Ewelina Mutkowska

**Date:** 05/22/2018