



County of Ventura Watershed Protection District Proposition 1E Grant Application South Oxnard Stormwater Flood Management Project Attachment 3: Work Plan

INTRODUCTION

Project Description

The mission of the Ventura County Watershed Protection District (WPD) is to protect life, property, watercourses, watersheds and public infrastructure from the dangers and damages associated with flooding. The WPD committed to improve the 2.2-mile-long J Street Drain in the City of Oxnard and adjacent to the City of Port Hueneme through a rigorous project ranking process. Project ranking involved evaluation of public health and safety, community, environmental, and economic factors for a number of competing projects in the Santa Clara River watershed (WPD Zone 2). The existing channel has a 10-year storm event capacity and will flood the surrounding neighborhood without an increase in flood protection. The 57-year-old facility is also near the end of its useful life.

The existing drain is a fully lined trapezoidal concrete open channel located along the center of J Street which begins upstream at Redwood Street and ends downstream at the Ormond Beach Lagoon. The channel was originally constructed in 1956 to discharge agricultural runoff to the ocean, and was later lined with concrete in 1961. The facility has a bottom width of 20 to 30 feet with 1:1 side slopes and a depth of about 4 feet. The channel outlets into the Ormond Beach Lagoon, considered one of the most important candidates for wetland restoration in Southern California. The lagoon periodically closes off to the ocean but maintains some tidal connection through the beach, with resulting wetlands of variable salinity such as coastal lagoon, salt marsh and freshwater marsh. This ecologically sensitive area supports threatened and endangered species such as tidewater goby, California least tern, and snowy plover, as well as a variety of non-listed migratory birds.

The proposed project will increase flow capacity to accommodate runoff from a 100-year storm event by widening and deepening the channel. Four phases of construction are proposed. Phase 1 extends from the lagoon to Hueneme Road, and will remain a rectangular open channel in order to preserve habitat adjacent to the lagoon for tidewater gobies and foraging California least terns. Phase 1 incorporates a trash boom near the upstream end and a Beach Elevation Management Plan (BEMP) at the downstream end to facilitate seasonal discharge from the



lagoon to the ocean in response to storm runoff (BEMP is discussed in Section 3.7 of the Final Environmental Impact Report, included in Attachment 1 to this Work Plan, pages 366 - 368).

Phase 2, from Hueneme Road to Pleasant Valley Road, consists of two components: Phase 2A is an open concrete channel (the subject of this grant application), and Phase 2B is a cover for the channel. When both components are completed, Phase 2 will take the form of a reinforced concrete box, over which the City of Oxnard will later develop a linear park with low flow bioswales, a feature strongly desired by the local community. Conversion of Phases 3 and 4 to reinforced concrete box culverts is dependent on future available funding.

Goals and Objectives

The primary purpose of the project put forth in this proposal is to improve stormwater flood management in South Oxnard by improving conveyance of flood waters through the J Street Channel.

The objectives include:

- Increase flood protection from a 10 year level to at least a 100 year or 1% level;
- Avoid flood damage costs totaling a minimum of \$31 million.
- Remove 58 residences, 13 multi-family dwellings, and 5 commercial buildings from the floodplain
- Eliminate flow from the J Street Drain and backwater from Ormond Lagoon to the Oxnard Waste Water Treatment Plant up to the 1% chance storm
- Unify an environmental justice community
- Reduce trash inputs to Ormond Lagoon by 9 tons annually
- Improve public health and safety

Purpose and Need

The primary purpose of the proposed project is to provide flood protection to the 100-year or one percent annual chance flood level for the area surrounding J Street Drain. Such protection will satisfy the IRWM Plan objective to protect people, property, and the environment. The WPD will achieve this objective by replacing the deficient trapezoidal concrete J Street Drain channel (current maximum capacity is the 10-year storm) with larger open and covered channel improvements. This project includes construction of Phases 1 and 2A of a four phase project (described below).



The J Street Drain was constructed in 1956 and concrete-lined in 1961. The life of a concrete channel in a marine environment is 50 years due to alkali-aggregate reaction, sulfate attack, and corrosion of steel. There is limited life remaining in the deficient flood conveyance channel, and increasing the capacity in Phases 1 and 2A will provide 100-year flood protection for 58 single-family units, 13 multi-family units, 5 commercial units, and the large, regional Oxnard Waste Water Treatment Plant (OWWTP). The OWWTP serves approximately 225,000 residents and has a daily throughput capacity ranging from 39.6 million gallons per day (MGD) for average dry flow up to 75.4 MGD for ultimate peak weather flow.

Phase 1, from Ormond Beach Lagoon to Hueneme Road, will be an open channel in order to preserve habitat for endangered species such as tidewater goby and California least tern. Phase 2A, extending from Hueneme Road to Pleasant Valley Road, will feature an open channel designed and constructed to support a future cover to be installed during Phase 2B. The covered box design in Phase 2B will allow creation of an overlying linear park area with a pedestrian and bicycle trail, features strongly desired by the local community.

Phase 1 implementation includes a Beach Elevation Management Plan (BEMP). The Ormond Lagoon inlet normally remains in a closed condition due to sand accretion on Ormond Beach, but during most winters it breaches naturally to allow free outflow during storms and some high tides. On January 18, 2010, the inlet remained closed during a minor storm event and caused upstream flooding. During that emergency, the OWWTP was flooded and at risk of releasing untreated sewage effluent into the Ormond Lagoon, drainages, residential properties, and roads due to electrical failure of inundated equipment. To avoid recurrence of such flooding, the WPD developed the BEMP, which identifies a set of threshold environmental conditions that together activate the need for reducing the height of the sand berm (“beach grooming”) surrounding the lagoon to eliminate backwater. Once these threshold conditions are observed, a predetermined list of actions would be implemented to ensure the opening of the lagoon outlet if the water level exceeds a target safe elevation, thereby preventing flooding of developed properties, particularly the OWWTP. This feature achieves the IRWM Plan objectives of protecting people, property, and the environment from adverse flooding impacts, protecting and improving water quality, and sustaining, protecting, and restoring habitat and ecosystems in watersheds. Further details are available in Section 3.7 of the Final Environmental Impact Report, included in Attachment 1 to this Work Plan (pages 366 - 368).

A trash boom would be installed near the upstream end of Phase 1 and maintained quarterly. It is expected that the trash boom would capture approximately 9 tons of trash annually, preventing its conveyance to the ecologically sensitive Ormond Lagoon and ultimately the “Eastern Pacific garbage patch” in the Pacific Ocean. This feature achieves the IRWM Plan objectives of protecting and improving water quality and sustaining, protecting, and restoring habitat and ecosystems in watersheds.



In order to achieve the full project benefits, all four phases of the project must be completed. Phases 3 and 4 will extend the work from Pleasant Valley Road to Redwood Street. This work will be staged based on the progress on Phases 1 and 2, and available funding.

For the IRWM Proposition 1E Stormwater Flood Management Grant Program, the WPD requests funding for channel improvements in Phases 1 and 2A. This is consistent with the primary focus of Proposition 1E, the Disaster Preparedness and Flood Protection Bond Act of 2006 (Proposition 1E) authorized \$4.09 billion statewide in general obligation bonds to rebuild and repair California's most vulnerable flood control structures.

This project addresses the adopted IRWM goals and objectives. Both the overall plan objectives and the objectives for the Santa Clara River Watershed include the following:

- Sustain, protect and restore habitat and ecosystems in the watersheds
- Protect and improve water quality
- Protect people, property, and the environment from adverse flooding impacts

Project List

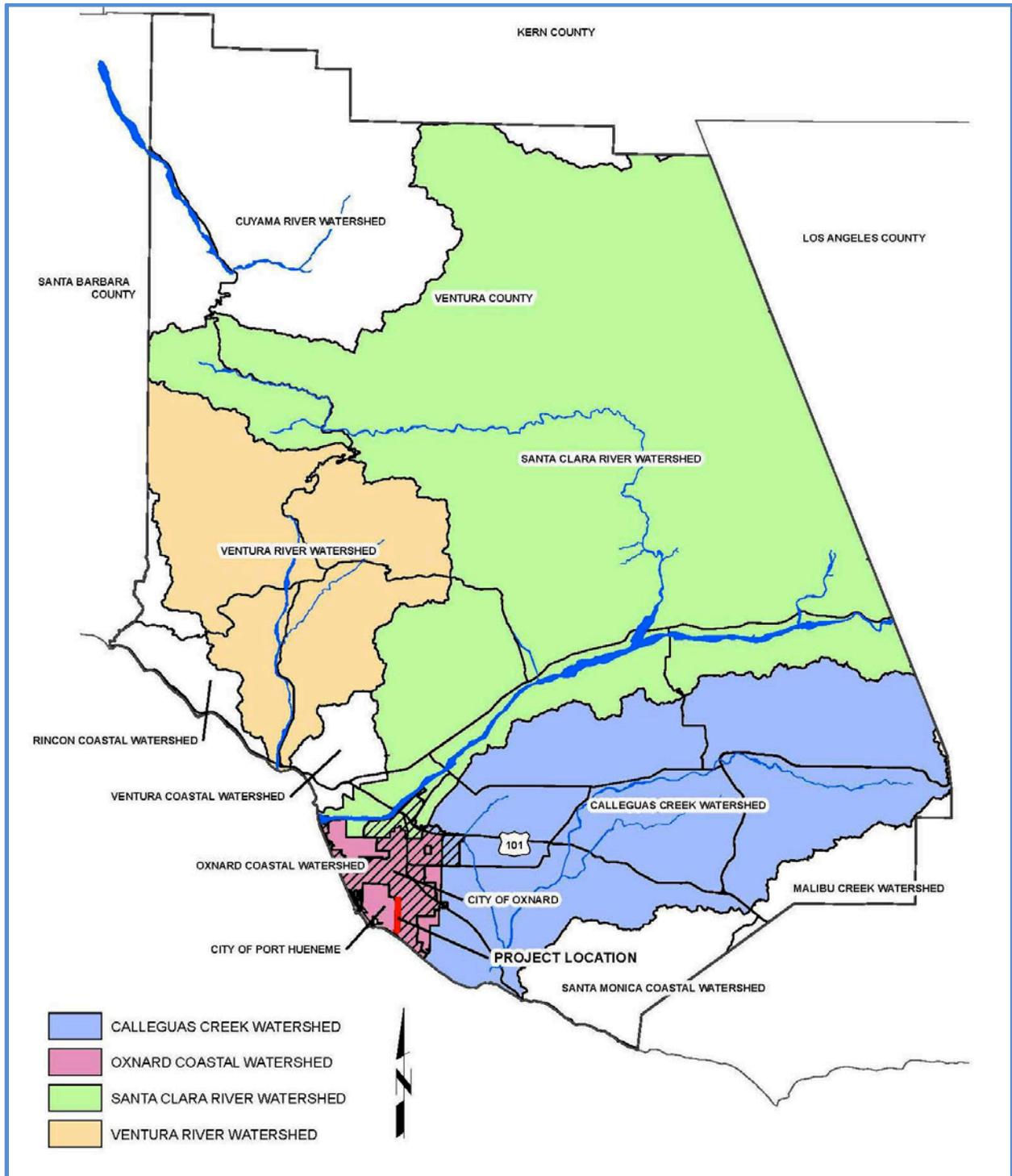
There is only one project included in this application.

Integrated Elements of Projects

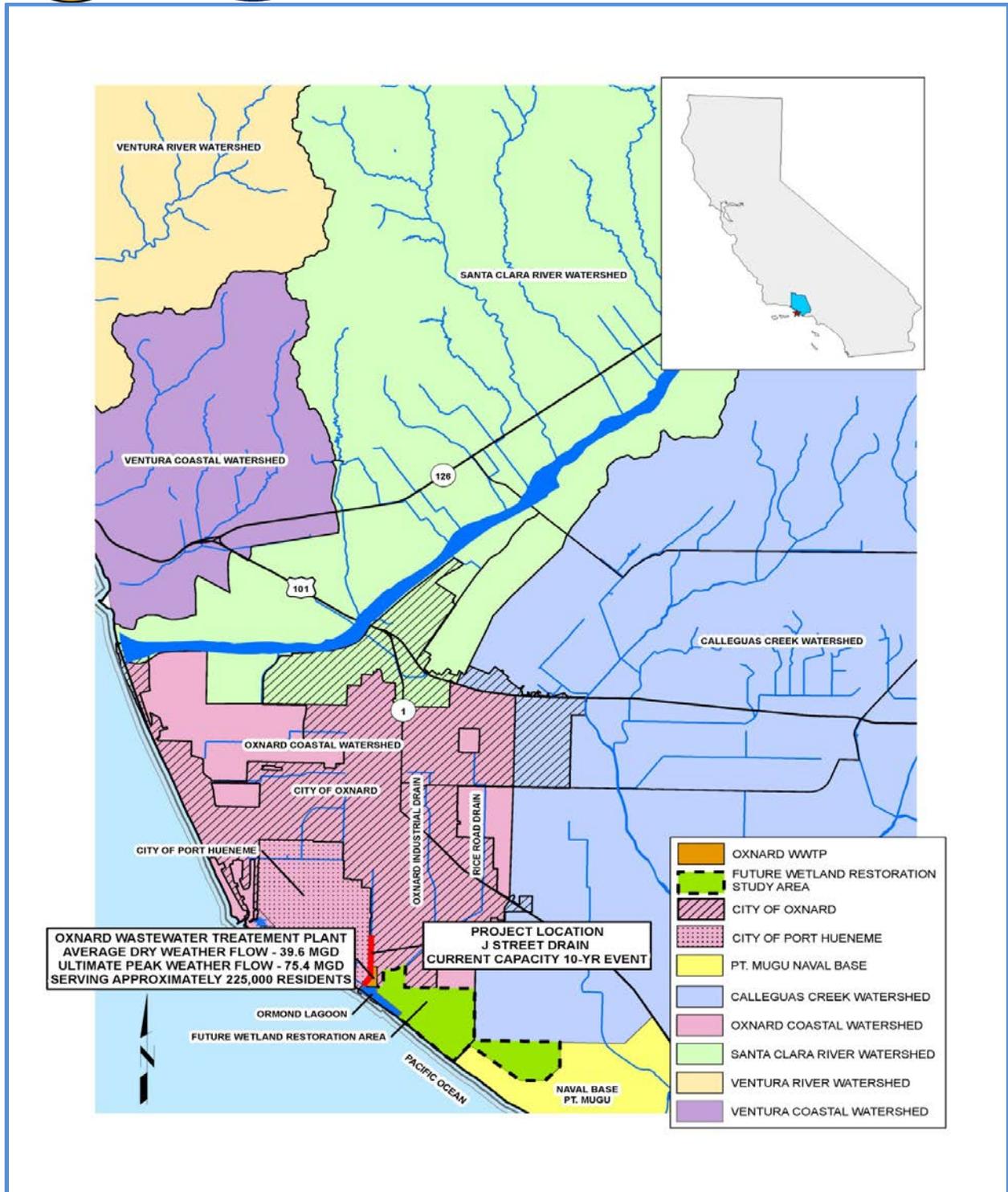
Not applicable.



Regional Maps



Regional Map 1



Regional Map 2



Completed Work

The J Street Drain was identified in the WPD's fiscal year 2005 Integrated Watershed Protection Plan as a project in WPD Zone 2, which roughly includes the Santa Clara River Watershed and coastal drainages in the cities of Ventura, Port Hueneme, and Oxnard. Tetra Tech prepared the *City of Oxnard Floodplain Analysis: Industrial Drain, Rice Road Drain, J Street Drain, Hueneme Drain, and Ormond Lagoon* in November 2005, and URS prepared the *J Street Drain Channel Improvement Study and Preliminary Design* November 17, 2005 (included in Attachment 3 to this Work Plan, pages 212 - 300). URS estimated the drain capacity to be 500 to 600 cubic feet per second (cfs), which would be exceeded during a 10-year flood event.

From 2007 to 2012, HDR Engineering, Inc. prepared a series of documents in compliance with the California Environmental Quality Act, all of which are available at www.jstreetdrain.com and in Attachments 1 and 2 to this Work Plan. These include: Initial Study, Notice of Preparation, Notices of Availability, Draft Environmental Impact Report (DEIR), Recirculated DEIR, Final EIR, Findings of Fact, and Notice of Determination. A variety of technical studies and memoranda were also completed to support the EIR: Coastal Engineering Report and Addendum, Sedimentation Study, Ormond Lagoon and Beach Coastal Processes Assessment, Sediment Transport Study for the Proposed Outlet at Ormond Beach Lagoon, J Street/Oxnard Industrial Drain Numerical Hydraulic Model, Biological Technical Report (includes California Least Tern/Snowy Plover Protocol Survey and USACE/CDFG Jurisdictional Wetland Delineation Reports), Cultural Resource Constraint Analysis, Geotechnical Study, Hazardous Sites Study and Map, Global Climate Change Evaluation, Mosquito Technical Study, Air Quality Technical Report, Hydrogeology Study, and Control Water Surface Elevations for J Street Drain Design (Sea Level Rise) Technical Memo.

Also completed are the preliminary design of Phases 1 – 4 (open rectangular channel configuration only – not provided with this proposal because they are superseded by Phase 1 90 percent design and Phase 2 conceptual design), 90 percent design of Phase 1 (Attachment 3 to this Work Plan, pages 301 – 324), and conceptual design of the reinforced concrete box configuration for Phase 2 (Attachment 3 to this Work Plan, pages 325 - 326). Permit applications were submitted in August and September 2012 to the U.S. Army Corps of Engineers (Section 404, Nationwide Permit No. 43 for Stormwater Management Facilities), U.S. Fish and Wildlife Service (Section 7 Consultation), California Department of Fish and Game (Section 1602 Lake or Streambed Alteration Agreement), Los Angeles Regional Water Quality Control Board (Section 401 Certification), and California Coastal Commission (Coastal Development Permit).



The Los Angeles Regional Water Quality Control Board has issued two permits for the management of groundwater during Phase 1 construction dewatering: General Waste Discharge Requirements for Specified Discharges to Groundwater in Santa Clara River and Los Angeles River Basins (Order No. 93-010), and General National Pollutant Discharge Elimination System and Waste Discharge Requirements for Discharges of Groundwater from Construction

and Project Dewatering to Surface Waters in Coastal Watersheds of Los Angeles and Ventura Counties (Order No. R4-2008-0032). These are provided in Attachment 3 to this Work Plan, pages 22 – 113. The U.S. Fish and Wildlife Service has issued a Biological Opinion for the WPD’s Routine Operations and Maintenance Program, which includes the Beach Elevation Management Plan component of Phase 1 (Attachment 3 to this Work Plan, pages 114 – 211).

Existing Data and Studies

City of Oxnard Floodplain Analysis: Industrial Drain, Rice Road Drain, J Street Drain, Hueneme Drain, and Ormond Lagoon, prepared by Tetra Tech, Inc., November 2005 (see www.jstreetdrain.com, “Documents” section, Oxnard Floodplain Analysis; also in Attachment 3 to this Work Plan, pages 212 - 230)

The goal of this study was to define the flooding in the City of Oxnard associated with a 100-year storm event. Because of the complex urban setting, the WPD determined that a 2-dimensional model study would be appropriate for the study areas. FLO-2D was selected as the flood routing model.

J Street Drain Channel Improvement Study and Preliminary Design, prepared by URS for the Ventura County Watershed Protection WPD, November 17, 2005 (see www.jstreetdrain.com, “Documents” section, URS Final Report; also in Attachment 3 to this Work Plan, pages 231 - 300)

This report summarizes a proposed plan to improve the existing flood conveyance capacity of the J Street Drain Channel located in the City of Oxnard, California. Technical procedures, assumptions, and analysis results of the design process are provided. The study included development of a preliminary design plan for the 2.2-mile long J Street Drain Channel to improve its current capacity to the 100-year flood level.

Control Water Surface Elevations for J Street Drain Design, Technical Memorandum from HDR Engineering, Inc. to Kirk Norman of the Ventura County Watershed Protection District, October



11, 2011 (see www.jstreetdrain.com, “Documents” section, Sea Level Rise Memo; also in Attachment 3 to this Work Plan, pages 19 - 21)

This memo provides the downstream control water surface elevations for the current mean sea level condition, for the expected rise in sea level in 100 years condition, and the basis for determining the two downstream control water surface elevations.

January 18, 2010 Ormond Beach Lagoon Emergency Breach Incident Report, prepared by the Ventura County Watershed Protection District, February 17, 2010 (see www.jstreetdrain.com, “Documents” section, January 18, 2010 Flood Emergency Incident Report; also in Attachment 3 to this Work Plan, pages 2 - 18)

This report was prepared in compliance with an emergency permit issued to WPD by the U.S. Army Corps of Engineers. It documents flooding in the vicinity of J Street Drain and WPD actions taken to alleviate the emergency. The Beach Elevation Management Plan included in Phase 1 of the project was developed in response to this emergency.

Final Environmental Impact Report: J Street Drain Project, Ventura County, California, SCH # 2008041057 and California Environmental Quality Act Findings of Fact (Public Resources Code §21081, CEQA Guidelines §15091) Regarding the Final Environmental Impact Report for the J Street Drain Project, State Clearinghouse Number 200841057, prepared by HDR Engineering, Inc. for the Ventura County Watershed Protection District, January 2012 (see www.jstreetdrain.com, “Final Environmental Impact Report” section; also in Attachment 1 to this Work Plan, pages 53 – 690 and 3 – 52, respectively)

The FEIR discloses potential environmental impacts of the J Street Drain Project in compliance with the California Environmental Quality Act. Included within the FEIR are the environmental setting, project description, environmental impact analysis, alternatives analysis, discussion of growth inducing impacts, responses to comments on both the Draft EIR and Recirculated DEIR, and a Mitigation Monitoring and Reporting Program. Note that the FEIR preferred alternative is an open reinforced concrete channel configuration for Phases 1 – 4. This grant application proposes a reinforced concrete box channel in Phase 2 (Channel Alternative A in Chapter 5.0 of the FEIR, included in Attachment 1 to this Work Plan, pages 669 - 670). Conversion to a concrete box is strongly desired by the local community, which is currently bisected by the fenced J Street Drain. If the grant is awarded, the WPD will prepare an Addendum to the FEIR



or a Supplemental or Subsequent EIR, whichever is most appropriate, to address the change in the preferred alternative.

The FEIR includes the following Appendices, also available at www.jstreetdrain.com:

A – Notice of Preparation/Initial Study (Work Plan Attachment 1, pages 691 - 710)

B – Notice of Preparation Comment Letters (Work Plan Attachment 1, pages 711 - 756)

C1 – 2008 Coastal Engineering Report (Work Plan Attachment 1, pages 757 - 843)

C2 – 2008 Coastal Engineering Report Addendum (Work Plan Attachment 1, pages 844 - 846)

C3 – 2008 Sedimentation Study (Work Plan Attachment 1, pages 847 - 865)

C4 – 2008 Coastal Processes Assessment (Work Plan Attachment 1, pages 866 - 891)

C5 – 2011 Sediment Transport Study for Proposed Outlet at Ormond Beach Lagoon (Work Plan Attachment 1, pages 892 - 908)

C6 – 2011 J Street/Oxnard Industrial Drain Numerical Hydraulic Model (Work Plan Attachment 1, pages 909 - 914)

D – Biological Technical Report and Wetland Delineation Report (Work Plan Attachment 1, pages 915 - 1206)

E – Cultural Resources Report (Work Plan Attachment 1, pages 1207 - 1241)

F – Geotechnical Report (Work Plan Attachment 1, pages 1242 - 1310)

G – Hazardous Waste Report (Work Plan Attachment 1, pages 1311 - 1626)

H – Global Climate Change Evaluation (Work Plan Attachment 1, pages 1627 - 1677)

I – Mosquito Technical Study (Work Plan Attachment 1, pages 1678 - 1716)

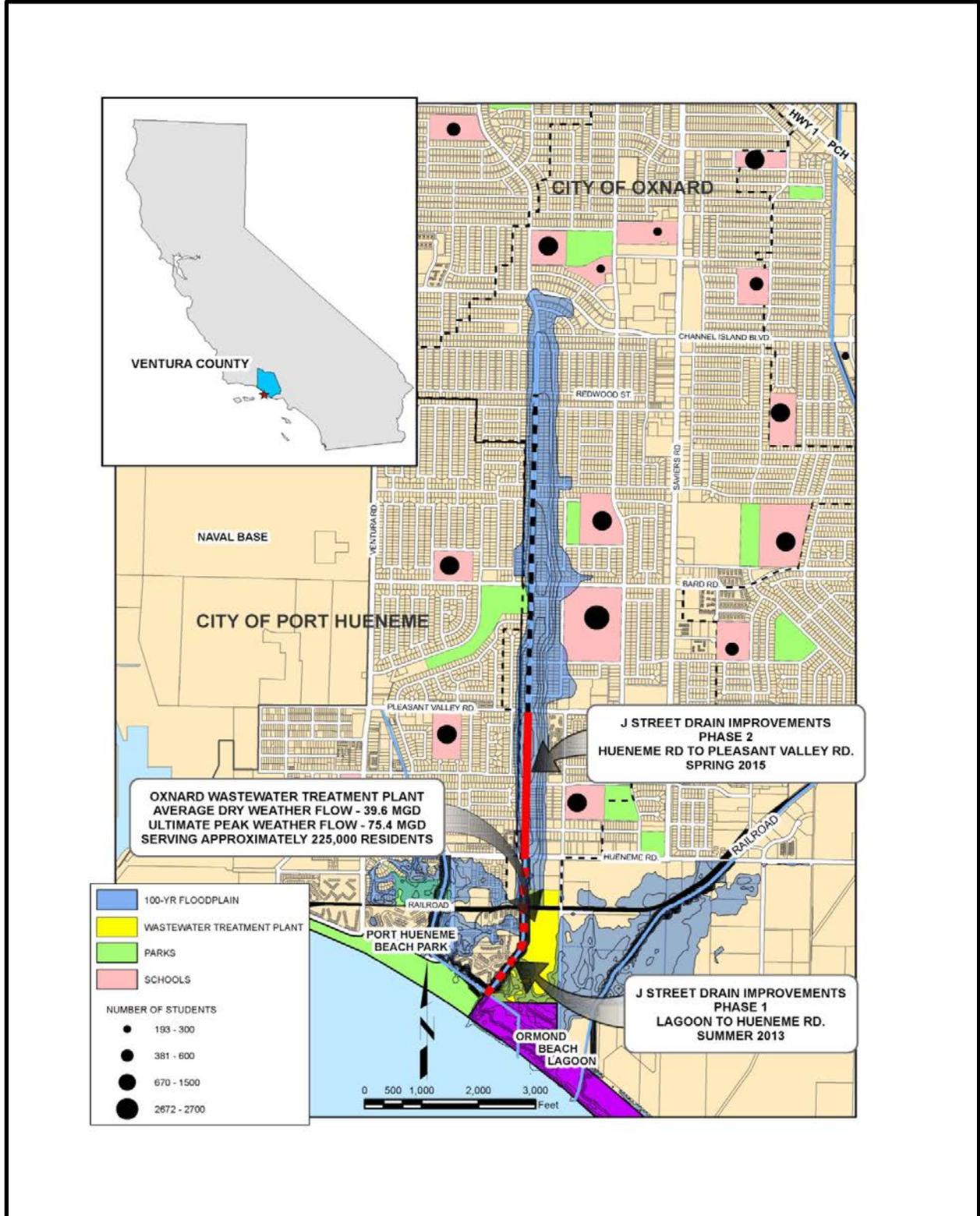
J – Air Quality Report (Work Plan Attachment 1, pages 1717 - 1768)

K – Groundwater Memorandum (Work Plan Attachment 1, pages 1769 - 1773)

L – Comments on November 2009 Draft EIR and WPD Responses (Work Plan Attachment 2, pages 2 - 534)



Project Map





Project Specifics

This project is not part of the State Plan of Flood Control because it is located in the Santa Clara River which is outside the Central Valley of California. See Regional Map 2 and the Project Map for location of the project within the State of California.

Project Timing and Phasing

This total project is to be completed in four separate phases. The first phase consists of replacing approximately 2,700 linear feet of existing trapezoidal concrete channel between the Ormond Beach Lagoon to just downstream of Hueneme Road. The reinforced concrete channel replacement is 49.5 feet wide and varies in height from 7 to 8 feet. The open channel design in this phase preserves foraging habitat for the endangered least tern. Phase 1 is scheduled to begin construction in the spring of 2013 and is expected to be completed by July 2014. Once completed, the Phase 1 channel will have the capacity to convey the flow from a 100 year or 1% level storm that would be generated from the entire watershed.

Phase 2 consists of replacing approximately 2,700 of linear feet of existing trapezoidal concrete channel with a three cell reinforced concrete box between Hueneme Road and Pleasant Valley Road. The concept level plans show each cell to be 15½ feet wide by 6 ½ feet high. Once completed, the Phase 2A channel will have the capacity to convey the flow from a 100 year or 1% level storm that would be generated from upstream of Hueneme Road. Final Design for Phase 2A is expected to be complete in spring of 2014, with construction beginning the following spring in 2015 and being completed by the spring of 2016.

Phases 3 and 4, which together consist of replacing approximately 6,800 linear feet of existing trapezoidal concrete channel with reinforced concrete box between Pleasant Valley Road and Redwood Street, will have Final Design and construction completed as funding becomes available

Proposed Work [See Table on Next Page]



Category (a): Direct Project Administration Costs

Task 1: Administration

Description: Coordination of project team, vendors, and contractors. This task is future work.

Deliverables: Work Order, Construction Contracts

Task 2: Labor Compliance Program

Description: Perform labor compliance in accordance with the requirements of California Labor Code §1771.5(b). The WPD will work with the Public Works Agency Engineering Services Department to insure that this work is compliant. See Attachment 4 Letter for assurances of compliance.

Deliverables: Execution of labor compliance program; documentation furnished to DWR as requested.

Task 3: Reporting

Description: Prepare quarterly and final reports as specified in the Grant Agreement. The WPD will be responsible for all reporting including narrative and invoice preparation. Invoices will be prepared by the Public Works Agency Central Services Department to insure compliance with all auditing standards.

The final reporting will be completed during the project closeout period.

Deliverables: Quarterly and final reports as specified in the Grant Agreement.

Category (b): Land Purchase/Easement

Task 4: Land Purchase/Easement

Description: A Memorandum of Understanding (MOU) will be prepared between the Ventura County Watershed Protection District (WPD) and the City of Oxnard (City) to identify the obligations of each party, including right-of-way. A boundary survey will be prepared to determine the existing property lines and the extent of any easements or encroachments. Based upon the MOU and boundary survey, right-of-way will be negotiated. The WPD will quitclaim any existing fee property within City street right-of-way and the City will provide an easement to the WPD for the new facility. A similar process must be followed with the city of Port Hueneme. The right of way does not have a cost attached to it as it will be *quid pro quo*.

Deliverables: Property documents such as memoranda of understanding, temporary and



permanent easements, license agreements, or other forms of legal interest in property affected by project implementation.



Category (c): Planning/Design/Engineering/Environmental Documentation

Task 5: Assessment and Evaluation This work will be paid under another State grant.

Description: Submit to the State a Project Assessment and Evaluation Plan which is to be developed. The cost of the preparation of this document has been included in a separate grant application.

Deliverables: Project Assessment and Evaluation Plan (PAEP)

Task 6: Design This work will be paid under another State grant.

Description Preliminary Design: (1) A Memorandum of Understanding (MOU) will be prepared between the Ventura County Watershed Protection District (WPD) and the City of Oxnard (City) to enhance the cooperation among the agencies. The MOU will identify the obligations of each party including cost sharing, right-of-way, utilities and maintenance. (2) A topographic survey will be created to identify elevations and all the features within the project limits. In addition to the topographic survey, a boundary survey will be prepared to determine the existing property lines and the extent of any easements or encroachments. (3) Based upon the MOU and boundary survey, right-of-way will be negotiated. The WPD will quitclaim any existing fee property within City street right-of-way and the City will provide an easement to the WPD for the new facility. (4) 30% Design is a conceptual level of design that will include right-of-way, hydraulic analysis, geotechnical analysis and enough environmental assessment to update the existing CEQA document. Upon completion of the 30% design, it's circulated among all the stakeholders for comments. (5) 60% Design will incorporate the comments and continues to refine the design to maximize project efficiency. Items to be investigated will include utilities, hazardous materials and traffic control.

Deliverables: Preliminary design drawings and technical studies

Final Design: (1) The WPD will make a submittal to the City and begin coordination of the local agencies portion of work including the intersection realignment at Hueneme Rd. and traffic signal relocations. (2) The WPD will make a submittal to all the utility companies and coordinate relocations. (3) Once coordination is complete with the utilities and City and construction permits have been secured, a final set of plans and specifications including structural analysis of the box culverts will be prepared. Detailed drawings are incorporated to clarify the design of specific work items. The final project design includes all the comments provided by the stakeholders and incorporates them into a comprehensive set of stand-alone drawings for construction. This project will be designed in accordance with the appropriate standards, including those from ASTM, AWWA, APWA, AREA, and the Ventura County Watershed Protection WPD Design Manual.

Deliverables: Final construction quantities and costs, technical specifications, construction permits and final design drawings.





Task 7: Environmental Documentation This work was paid under another State grant

Description: The Board of Supervisors for the Ventura County Watershed Protection District certified the Final Environmental Impact Report (FEIR) for the J Street Drain Project on March 27, 2012. This document analyzes the open rectangular channel configuration for Project Phases 1 – 4. Throughout the CEQA process and culminating at the Board hearing, the public emphasized its desire for the channel to be configured as a covered box rather than an open rectangular channel. If grant funding permitting construction of the box is received, the WPD will prepare and certify an appropriate revision to the FEIR, an Addendum, Supplemental, or Subsequent EIR, as determined by further analysis.

Deliverables: Approved and adopted FEIR (attached), revised FEIR

Task 8: Permitting This work will be paid under another State grant.

U.S. Army Corps of Engineers (USACE)	Section 404 Permit – Nationwide Permit No. 43 for Stormwater Management Facilities
U.S. Fish and Wildlife Service (USFWS)	Section 7 Consultation – Biological Opinion for impacts to endangered tidewater goby and California least tern, and threatened western snowy plover
USFWS	Section 7 Consultation – Biological Opinion for the WPD’s Routine Operations and Maintenance Program, including the Beach Elevation Management Plan (BEMP)
California Department of Fish and Wildlife (CDFW)	Section 1602 Lake or Streambed Alteration Agreement (LSAA)
Los Angeles Regional Water Quality Control Board (LARWQCB)	Section 401 Water Quality Certification
California Coastal Commission (CCC)	Coastal Development Permit
LARWQCB	General Waste Discharge Requirements for Specified Discharges to Groundwater in Santa Clara River and Los Angeles River Basins (Order No. 93-010)
LARWQCB	General National Pollutant Discharge Elimination System (NPDES) and Waste Discharge Requirements for Discharges of Groundwater from Construction and Project Dewatering to Surface Waters in Coastal Watersheds of Los Angeles and Ventura Counties (Order No. R4-2008-0032)

Deliverables: Copies of Permits

Category (d): Construction/Implementation



<p>Task 9: Construction Contracting</p> <p>Description: The final construction specifications are combined with contract bidding documents and contract conditions and the project is advertised for 30 days. Sealed bids are opened and the apparent low bid is analyzed for inconsistencies. An award letter is prepared and the Ventura County Board of Supervisors awards the contract to the lowest responsive responsible bidder.</p> <p>Deliverables Advertisement for bids; Notice of Award issued to Contractor</p>
<p>Task 10: Construction/Implementation</p> <p>Description: The Contractor will prepare his bonds, insurance, schedules, and Stormwater Pollution Prevention Plan for approval. Then he will mobilize, submit materials for approval, install storm water and non-storm water BMPs, and install the water diversion and traffic control before any major items of work begin. The existing undersized trapezoidal channel will be demolished and the existing concrete and steel recycled. All required excavation is evaluated to eliminate hazards and ensure full CalOSHA compliance. Sawcuts are made to protect-in-place as many improvements as possible to reduce costs and the existing surface is excavated to the subgrades indicated on the plans. The reinforced concrete box is constructed. A subdrain system is installed to eliminate excessive hydrostatic forces and the box is backfilled. Manholes are installed for future maintenance and the curb, sidewalk and ac pavement are constructed to return the site to an operational condition. This project will be constructed in accordance with the appropriate standards including the State Standard Specifications, Standard Specifications for Public Works Construction (Greenbook), Ventura County Standard Specifications, and CalOSHA Construction Safety Orders.</p> <p>Deliverables:: Record Drawings, Construction Photos</p>
<p>Category (e): Environmental Compliance/Mitigation/Enhancement</p>
<p>Task 11: Environmental Compliance/Mitigation/Enhancement This work will be paid under another State grant.</p> <p>Description: Environmental compliance activities would include pre-construction biological surveys, endangered tidewater goby relocations during the initial dewatering of Phase 1 only (to be conducted by qualified biologists), preparation and implementation of a Sensitive Species Protection Plan, biological monitoring and reporting during and after construction, surface and ground water quality monitoring and reporting. Habitat enhancement of temporary work areas at the southeast end of Phase 1 may be required upon project completion.</p> <p>Deliverables: Compliance monitoring reports.</p>
<p>Category (f): Construction Administration</p>
<p>Task 12: Construction Administration</p>



Description The project manager will oversee the project from start to finish and is responsible for monitoring the progress, ensure project documentation is complete, manage the schedule and budget tracking, and serve as the key link. Full time inspection will be provided. The inspector will ensure strict adherence to the plans, specifications, and quality and safety standards. Inspection also will include quality testing of materials.

Project closeout includes administering punch lists and submission of record documents such as as-built drawings, recycling forms, and survey records.

Deliverables: Record Drawings, Construction Photos

Category (g): Other Costs

Task 13: Other Costs

Description: Construction contingency

Deliverables: Contract change orders.



**South Oxnard Stormwater Flood Management Project
Attachment 1 of Proposition 1E Grant Proposal Attachment 3 (Work Plan)**

[Documents Referenced Below Contained on CD-DVD]

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1. California Environmental Quality Act Findings of Fact (Public Resources Code §21081, CEQA Guidelines §15091) Regarding the Final Environmental Impact Report for the J Street Drain Project, State Clearinghouse Number 2008041057 – pages 3 through 52
2. Final Environmental Impact Report (FEIR), J Street Drain Project, Ventura County, California SCH#2008041057 – pages 53 through 690
3. FEIR Appendix A: Notice of Preparation and Initial Study – pages 691 through 710
4. FEIR Appendix B: Notice of Preparation Public Comment Letters – pages 711 through 756
5. FEIR Appendix C1: J Street Drain/Ormond Beach Lagoon Coastal Engineering Report – pages 757 through 843
6. FEIR Appendix C2: Coastal Engineering Report Addendum – pages 844 through 846
7. FEIR Appendix C3: Sedimentation Study for the J Street Drain and Oxnard Industrial Drain – pages 847 through 865
8. FEIR Appendix C4: Technical Memo, Coastal Processes Assessment at Ormond Lagoon and Beach – pages 866 through 891
9. FEIR Appendix C5: J Street Drain Sediment Transport Study for Proposed Outlet at Ormond Beach Lagoon – pages 892 through 908
10. FEIR Appendix C6: Technical Memo, J Street/Oxnard Drains Numerical Hydraulic Model – pages 909 through 914
11. FEIR Appendix D: Biological Technical Report, J Street Drain Project, Ventura County, California – pages 915 through 1206



12. FEIR Appendix E: Cultural Resource Constraint Analysis for the J Street Drain Initial Study, Ventura County, California – pages 1207 through 1241
13. FEIR Appendix F: Draft Geotechnical Study, J Street Drainage Improvements, Ventura County Watershed Protection District Project No. 82322, Oxnard California – pages 1242 through 1310
14. FEIR Appendix G: EDR DataMap® Corridor Study (Hazardous Sites Assessment) – pages 1311 through 1626
15. FEIR Appendix H: Global Climate Change Evaluation for the J Street Drain Project, Ventura County, California – pages 1627 through 1677
16. FEIR Appendix I: J Street Drain Project Mosquito Technical Study – pages 1678 through 1716
17. FEIR Appendix J: Air Quality Technical Report for the J Street Drain Project, Ventura County, California – pages 1717 through 1768
18. FEIR Appendix K: Hydrogeology Study Summary, J Street Drainage Improvement Project, Oxnard, California – pages 1769 through 1773

**South Oxnard Stormwater Flood Management Project
Attachment 2 of Proposition 1E Grant Proposal Attachment 3 (Work Plan)
[Documents Referenced Below Contained on CD-DVD]**

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1. FEIR Appendix L: Responses to DEIR Comments – pages 2 through 534



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4. Coverage Under General National Pollutant Discharge Elimination System and Waste Discharge Requirements, Ventura County Watershed Protection District, J Street Storm Drain Expansion Project, Oxnard, California (NPDES No. CAG994004, CI-9867) – pages 60 through 113
5. Final Programmatic Biological and Conference Opinion for Ventura County Watershed Protection District's Routine Operation and Maintenance Program, Ventura County, California (8-8-11-F/C-12) – pages 114 through 211
6. City of Oxnard Floodplain Analysis, Industrial Drain, Rice Road Drain, J Street Drain, Hueneme Drain, and Ormond Lagoon – pages 212 through 230
7. J Street Drain Channel Improvement Study and Preliminary Design – pages 231 through 300
8. J Street Drain Improvement Phase 1 in the City of Oxnard, 90 Percent Plan Sheets – pages 301 through 324
9. South Oxnard Stormwater Flood Management Program, Phase 2 Conceptual Design with Future City of Oxnard Linear Park, Plan View and Cross Section – pages 325 through 326



**South Oxnard Stormwater Flood Management Project
 Attachment 4 of Proposition 1E Grant Proposal Attachment 3 (Work Plan)
 VCWPD – Prop 1E – South Oxnard Stormwater Flood Management Project Labor Compliance**

county of ventura

**PUBLIC WORKS AGENCY
 JEFF PRATT
 Agency Director**

January 30, 2013

Zaffar Eusuff, Program Manager
 Financial Assistance Branch
 Division of Integrated Regional Water Management
 California Department of Water Resources
 P.O. Box 942836
 Sacramento, CA 94236-0001

Watershed Protection District
Tully Clifford, Director
 Transportation Department
David Fleisch, Director
 Engineering Services Department
Chris Cooper, Interim Director
 Water & Sanitation Department
R. Reddy Pakala, Director
 Central Services Department
Janice Turner, Director

**Subject: Ventura County Watershed Protection District – Prop 1E
 Grant Application – South Oxnard Stormwater Flood
 Management Project Labor Compliance**

Dear Mr. Eusuff:

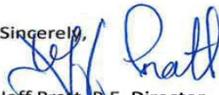
The County of Ventura (County), and by extension the Ventura County Watershed District (District), a Board of Supervisors’ governed dependent special district department housed within the County’s Public Works Agency (PWA), has in place a labor compliance plan for all public works contracts in excess of \$1,000, as required by all applicable provisions of the California Labor Code.

This letter has been prepared in support of the District’s’s \$4 Million Prop. 1E Stormwater Flood Management (SWFM) Grant Program grant application for the South Oxnard Stormwater Flood Management Project (Project) filed by the District with the Department of Water Resources (DWR).

Regarding any and all Project work that may be awarded SWFM Grant Program funding by DWR, the County and the District will comply with the provisions found in Section 1771.5, subdivision (b) of the California Labor Code, by using either the State Department of Industrial Relations’ Contract Monitoring Unit or the County of Ventura Public Works Agency Labor Compliance Program, pending certification.

Additionally, the County Public Works Agency has demonstrated a proven track record of experience and has in place an effective contract monitoring regime required to ensure labor compliance plan performance by project contractors.

Should you have any questions regarding this matter, please feel free to contact me directly at (805) 654-2073 or Tully Clifford, Director of the Ventura County Watershed Protection District at (805) 654-2040.

Sincerely,

 Jeff Pratt, P.E, Director
 Public Works Agency

Pc: Chris Cooper, Interim Director of Engineering Services, PWA
Tully Clifford, Director, Watershed Protection District, PWA
Gerard Kapuscik, Manager, Strategic Decision Support Group, WPD, PWA

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