
Central Valley Regional Water Quality Control Board

8 July 2016

Ed Winston
City of Roseville
2005 Hilltop Circle
Roseville, CA 95747

**CLEAN WATER ACT § 401 TECHNICALLY CONDITIONED WATER QUALITY
CERTIFICATION; CITY OF ROSEVILLE, SHADOWBROOK LIFT STATION AND FORCE
MAIN PROJECT PHASE II (WDID#5A31CR00444), PLACER COUNTY**

This Order responds to the 9 June 2016 application submitted by the City of Roseville for the Water Quality Certification of a rehabilitation of an existing lift station and force main project temporarily impacting 0.065 acre(s)/57 linear feet of waters of the United States.

This Order serves as certification of the United States Army Corps of Engineers' Nationwide Permit #12, Utility Line Activities, (SPK #2015-00449) under § 401 of the Clean Water Act, and a Waste Discharge Requirement under the Porter-Cologne Water Quality Control Act.

WATER QUALITY CERTIFICATION STANDARD CONDITIONS:

1. This Order serves as a Water Quality Certification (Certification) action that is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to § 13330 of the California Water Code and § 3867 of the California Code of Regulations (CCR).
2. This certification action is not intended and shall not be construed to apply to any discharge from any activity involving a hydroelectric facility requiring a Federal Energy Regulatory Commission (FERC) license or an amendment to a FERC license unless the pertinent certification application was filed pursuant to 23 CCR § 3855(b) of the California Code of Regulations, and the application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.
3. The validity of any non-denial certification action shall be conditioned upon total payment of the full fee required § 3833 of the California Code of Regulations.
4. This Certification is no longer valid if the project (as described) is modified, or coverage under § 404 of the Clean Water Act has expired.

5. All reports, notices, or other documents required by this Certification or requested by the Central Valley Water Board shall be signed by a person described below or by a duly authorized representative of that person.
 - a. For a corporation: by a responsible corporate officer such as (1) a president, secretary, treasurer, or vice president of the corporation in charge of a principal business function; (2) any other person who performs similar policy or decision-making functions for the corporation; or (3) the manager of one or more manufacturing, production, or operating facilities if *authority* to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
 - b. For a partnership or sole proprietorship: by a general partner or the proprietor.
 - c. For a municipality, State, federal, or other public agency: by either a principal executive officer or ranking elected official.
6. Any person signing a document under Standard Condition No. 5 shall make the following certification, whether written or implied:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

TECHNICAL CERTIFICATION CONDITIONS:

In addition to the above standard conditions, the City of Roseville shall satisfy the following:

1. The City of Roseville shall notify the Central Valley Regional Water Quality Control Board (Central Valley Water Board) in writing at least **seven (7) days** in advance of the start of any work within waters of the United States. The notification shall include the name of the project and the WDID number, and shall be sent to the Central Valley Water Board Contact indicated in this Certification.
2. Except for activities permitted by the U.S. Army Corps under § 404 of the Clean Water Act, soil, silt, or other organic materials shall not be placed where such materials could pass into surface water or surface water drainage courses.
3. The City of Roseville shall maintain a copy of this Certification and supporting documentation (Project Information Sheet) at the Project site during construction for review by site personnel and agencies. All personnel (employees, contractors, and subcontractors) performing work on the proposed Project shall be adequately informed and trained regarding the conditions of this Certification.

4. The City of Roseville shall perform surface water sampling:
- a) when performing any in-water work;
 - b) in the event that project activities result in any materials reaching surface waters; or
 - c) when any activities result in the creation of a visible plume in surface waters. The monitoring requirements in Table 1 shall be conducted upstream out of the influence of the Project, and approximately 300 feet downstream of the work area. The sampling frequency may be modified for certain projects with written approval from Central Valley Water Board staff.

Table 1:

Parameter	Unit	Type of Sample	Minimum Sampling Frequency	Required Analytical Test Method
Turbidity	NTU	Grab ⁽¹⁾	Every 4 hours during in-water work	(2, 4)
Settleable Material	mL/L	Grab ⁽¹⁾	Every 4 hours during in-water work	(2)
Visible construction related pollutants ⁽³⁾	Observations	Visual Inspections	Continuous throughout the construction period	—

⁽¹⁾ Grab samples shall be taken at mid-depth and be collected at the same time each day to get a complete representation of variations in the receiving water.

⁽²⁾ Pollutants shall be analyzed using the analytical methods described in 40 Code of Federal Regulations Part 136; where no methods are specified for a given pollutant, the method shall be approved by Central Valley Water Board staff.

⁽³⁾ Visible construction-related pollutants include oil, grease, foam, fuel, petroleum products, and construction-related, excavated, organic or earthen materials.

⁽⁴⁾ A hand-held field meter may be used, provided that the meter utilizes a USEPA-approved algorithm/method and is calibrated and maintained in accordance with the manufacturer's instructions. A calibration and maintenance log for each meter used for monitoring required by this Certification shall be maintained at the Project site.

As appropriate, surface water monitoring shall occur at mid-depth. A surface water monitoring report shall be submitted to the Central Valley Water Board Contact indicated in this Certification within two weeks of initiation of sampling and every two weeks thereafter. In reporting the monitoring data, the City of Roseville shall arrange the data in tabular form so that the sampling locations, date, constituents, and concentrations are readily discernible. The data shall be summarized in such a manner to illustrate clearly whether the Project complies with Certification requirements. The report shall include surface water sampling results, visual observations, and identification of the turbidity increase in the receiving water applicable to the natural turbidity conditions specified in the turbidity criteria below.

If no monitoring is conducted, the City of Roseville shall submit a written statement to the Central Valley Water Board Contact indicated in the Certification stating, "No monitoring was required." with the Notice of Completion.

5. The Central Valley Water Board adopted a *Water Quality Control Plan for the Sacramento River Basin and San Joaquin River Basin, Fourth Edition, revised April 2016* (Basin Plan) that designates beneficial uses, establishes water quality objectives, and contains implementation programs and policies to achieve those objectives for all waters addressed through the plan. Turbidity and settleable matter limits are based on water quality objectives contained in the Basin Plan and are part of this Certification as follows:

- a) Activities shall not cause turbidity increases in surface water to exceed:
- i. where natural turbidity is less than 1 Nephelometric Turbidity Units (NTUs), controllable factors shall not cause downstream turbidity to exceed 2 NTU;
 - ii. where natural turbidity is between 1 and 5 NTUs, increases shall not exceed 1 NTU;
 - iii. where natural turbidity is between 5 and 50 NTUs, increases shall not exceed 20 percent;
 - iv. where natural turbidity is between 50 and 100 NTUs, increases shall not exceed 10 NTUs;
 - v. where natural turbidity is greater than 100 NTUs, increases shall not exceed 10 percent.

Except that these limits will be eased during in-water working periods to allow a turbidity increase of 15 NTUs over background turbidity. In determining compliance with the above limits, appropriate averaging periods may be applied provided that beneficial uses will be fully protected. Averaging periods may only be used with prior approval of the Central Valley Water Board staff.

- b) Activities shall not cause settleable matter to exceed 0.1 mL/L in surface waters as measured in surface waters within approximately 300 feet downstream of the Project.
6. The City of Roseville shall notify the Central Valley Water Board immediately if the above criteria for turbidity, settleable matter or other water quality objectives are exceeded.
7. In-water work shall occur during periods of low flow and no precipitation. The City of Roseville shall perform surface water sampling in accordance with **Technical Certification Condition No. 4**, if any of the following conditions occur: 1) in-water work is conducted during an unanticipated flow event; 2) Project activities result in any materials reaching surface waters; or 3) Project activities result in the creation of a visible plume in surface waters.
8. Activities shall not cause visible oil, grease, or foam in the receiving water.
9. Refueling of equipment within the floodplain or within 300 feet of the waterway is prohibited. If critical equipment must be refueled within 300 feet of the waterway, spill prevention and countermeasures must be implemented to avoid spills. Refueling areas shall be provided with secondary containment including drip pans and/or placement of absorbent material. No

hazardous materials, pesticides, fuels, lubricants, oils, hydraulic fluids, or other construction-related potentially hazardous substances should be stored within a floodplain or within 300 feet of a waterway. The City of Roseville must perform frequent inspections of construction equipment prior to utilizing it near surface waters to ensure leaks from the equipment are not occurring and are not a threat to water quality.

10. The City of Roseville shall develop and maintain onsite a project-specific Spill Prevention, Containment and Cleanup Plan outlining the practices to prevent, minimize, and/or clean up potential spills during construction of the Project. The Plan must detail the Project elements, construction equipment types and location, access and staging and construction sequence. The Plan must also address the potential of responding to a spill or prevention of spills occurring within the Project site.
11. Raw cement, concrete (or washing), asphalt, drilling fluids, lubricants, paints, coating material, oil, petroleum products, or any other substances which could be hazardous to fish and wildlife resulting from or disturbed by project-related activities, shall be prevented from contaminating the soil and/or entering waters of the United States.
12. The discharge of petroleum products, any construction materials, hazardous materials, pesticides, fuels, lubricants, oils, hydraulic fluids, raw cement, concrete, asphalt, paint, coating material, drilling fluids, or other construction-related potentially hazardous substances to surface water and/or soil is prohibited. In the event of a prohibited discharge, the City of Roseville shall notify the Central Valley Water Board Contact within 24-hours of the discharge.
13. Concrete must be completely cured before coming into contact with waters of the United States. Surface water that contacts wet concrete must be pumped out and disposed of at an appropriate off-site commercial facility, which is authorized to accept concrete wastes.
14. Creosote-treated wood products or any other treated wood products that are highly flammable and/or toxic to aquatic life shall not be installed in waters of the United States.
15. If installation or relocation of dry and/or wet utility lines is anticipated, the City of Roseville shall develop and submit Dry and Wet Utility Work Plan to the Central Valley Water Board Contact indicated in this Certification prior to commencement of dry and wet utility construction. The Dry and Wet Utility Plan must cover all phases of the certified project that will impact waters of the United States, and shall be consistent with this Certification.

The Dry and Wet Utility Plan shall include the types of dry and wet utilities to be removed and installed, method and duration of activities, structure configuration, construction materials, equipment, erosion and sediment controls, and a map or drawing indicating the location(s) of dry and wet utility work, as related to any water of the United States, in the project area.

16. An effective combination of erosion and sediment control Best Management Practices (BMPs) shall be implemented and adequately working during all phases of construction.
17. All areas disturbed by Project activities shall be protected from washout or erosion.
18. All temporarily affected areas shall be restored to pre-construction contours and conditions upon completion of construction activities.
19. This Certification does not allow permanent water diversion of flow from the receiving water. This Certification is invalid if any water is permanently diverted as a part of the Project.
20. If temporary surface water diversions and/or dewatering are anticipated, the City of Roseville shall develop and maintain on-site a Surface Water Diversion and/or Dewatering Plan(s). The Plan(s) shall include the proposed method and duration of diversion activities. The Surface Water Diversion and/or Dewatering Plan(s) must be consistent with this Certification.
21. When work in a flowing stream is unavoidable and any dam or other artificial obstruction is being constructed, maintained, or placed in operation, sufficient water shall at all times be allowed to pass downstream, to maintain beneficial uses of waters of the State below the dam. Construction, dewatering, and removal of temporary cofferdams shall not violate **Technical Certification Condition 5 of this Certification**.
22. Any temporary dam or other artificial obstruction constructed shall only be built from clean materials such as sandbags, gravel bags, water dams, or clean/washed gravel which will cause little or no siltation. Stream flow shall be temporarily diverted using gravity flow through temporary culverts/pipes or pumped around the work site with the use of hoses.
23. The discharge of petroleum products or other excavated materials to surface water is prohibited. Activities shall not cause visible oil, grease, or foam in the receiving water. The City of Roseville shall notify the Central Valley Water Board as soon as practicable of any spill of petroleum products or other organic or earthen materials with written follow up within 5 days.
24. The City of Roseville shall apply for a name change or amendment to this Certification should any of the following occur:
 - a) a change in the ownership of all or any portion of the Project;
 - b) any change in the Project description;
 - c) any change involving discharge amounts, temporary impacts, and/or permanent impacts; and/or
 - d) amendments, modifications, revisions, extensions, and/or changes to the United States Army Corps of Engineers' Nationwide Permit #12, the United States Fish and

Wildlife Service decision document(s), and/or the California Department of Fish and Wildlife Streambed Alteration Agreement.

25. The City of Roseville shall submit a copy of the final, signed and dated Lake or Streambed Alteration Agreement issued by the California Department of Fish and Wildlife within 14 days of issuance to the Central Valley Water Board Contact indicated in this Certification.

The City of Roseville shall comply with all California Department of Fish and Wildlife requirements, including but not limited to those requirements described in the Lake or Streambed Alteration Agreement.

26. The City of Roseville shall obtain coverage under an NPDES permit for dewatering activities that result in discharges into surface water from the Central Valley Water Board.
27. The Conditions in this water quality certification are based on the information contained in the City of Roseville's application and in the attached "Project Information Sheet." If the Project, as described in the application and the attached Project Information Sheet, is modified or changed, this Certification is no longer valid until amended by the Central Valley Water Board.
28. The City of Roseville shall implement each of the mitigation measures specified in the approved Mitigated Negative Declaration for the Project, as they pertain to biology, hydrology and water quality impacts as required by § 21081.6 of the Public Resource Code and § 15097 of the California Code of Regulations.
29. In the event of any violation or threatened violation of the conditions of this certification, the violation or threatened violation shall be subject to any remedies, penalties, process, or sanctions as provided for under the applicable state or federal law. For the purposes of section 401(d) of the Clean Water Act, the applicability of any state law authorizing remedies, penalties, process, or sanctions for the violation or threatened violation constitutes a limitation necessary to ensure compliance with water quality standards and other pertinent requirements incorporated into this certification.
- a) If the City of Roseville or a duly authorized representative of the project fails or refuses to furnish technical or monitoring reports, as required under this Order, or falsifies any information provided in the monitoring reports, the City of Roseville is subject to civil monetary liabilities, for each day of violation, or criminal liability.
 - b) In response to a suspected violation of any condition of this certification, Central Valley Water Board may require the holder of any federal permit or license subject to this certification to furnish, under penalty of perjury, any technical or monitoring reports the Central Valley Water Board deems appropriate, provided that the burden, including costs, of the reports shall bear a reasonable relationship to the need for the reports and the benefits to be obtained from the reports (Water Code, § 1051, 13165, 13267 and 13383). In response to any violation of the conditions of this certification,

the Central Valley Water Board may add to or modify the conditions of this certification as appropriate to ensure compliance.

- c) The City of Roseville shall allow the staff of the Central Valley Water Board, or an authorized representative(s), upon the presentation of credentials and other documents, as may be required by law, to enter the Project premises for inspection, including taking photographs and securing copies of Project-related records, for the purpose of assuring compliance with this Certification and determining the ecological success of the Project.
30. Staff of the Central Valley Water Board has prepared total maximum daily load (TMDL) allocations that, once approved, would limit methylmercury in storm water discharges to the Sacramento-San Joaquin Delta. The Central Valley Water Board has scheduled these proposed allocations to be considered for adoption. When the Central Valley Water Board adopts the TMDL and once approved by the Environmental Protection Agency, the discharge of methylmercury may be limited from the proposed project. The purpose of this condition is to provide notice to the City of Roseville that methylmercury discharge limitations and monitoring requirements may apply to this project in the future and also to provide notice of the Central Valley Water Board's TMDL process and that elements of the planned construction may be subject to a TMDL allocation.

NOTIFICATIONS AND REPORTS:

31. The City of Roseville shall notify the Central Valley Water Board within 7 days of the project completion.
32. The City of Roseville shall provide the Central Valley Water Board Contact indicated in this Certification a Notice of Completion (NOC) no later than 30 days after the Project completion. The NOC shall demonstrate that the project has been carried out in accordance with the project description in the Certification and in any amendments approved. The NOC shall include a map of the project location(s), including final boundaries of any on-site restoration area(s), if appropriate, and representative pre and post construction photographs. Each photograph shall include a descriptive title, date taken, photographic site, and photographic orientation
33. The City of Roseville shall submit all notifications, submissions, materials, data, correspondence, and reports in a searchable Portable Document Format (PDF). Documents less than 50 MB must be emailed to: centralvalleysacramento@waterboards.ca.gov. In the subject line of the email, include the Central Valley Water Board Contact, Project name, and WDID number as shown in the subject line above. Documents that are 50 MB or larger must be transferred to a disk and mailed to the Central Valley Water Board Contact.

STORM WATER QUALITY CONDITIONS:

The City of Roseville shall also satisfy the following additional storm water quality conditions:

1. The City of Roseville shall obtain coverage under the National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities Order No. 2009-0009-DWQ, as amended, for discharges to surface waters comprised of storm water associated with construction activity, including, but not limited to, demolition, clearing, grading, excavation, and other land disturbance activities of one or more acres, or where projects disturb less than one acre but are part of a larger common plan of development that in total disturbs one or more acres.
2. During the construction phase, the City of Roseville must employ strategies to minimize erosion and the introduction of pollutants into storm water runoff. These strategies must include the following:
 - a) an effective combination of erosion and sediment control Best Management Practices (BMPs) must be implemented and adequately working prior to the rainy season and during all phases of construction.
3. The City of Roseville must minimize the short and long-term impacts on receiving water quality from the Project by implementing the following post-construction storm water management practices:
 - a) minimize the amount of impervious surface;
 - b) reduce peak runoff flows;
 - c) provide treatment BMPs to reduce pollutants in runoff;
 - d) ensure existing waters of the State (e.g., wetlands, vernal pools, or creeks) are not used as pollutant source controls and/or treatment controls;
 - e) preserve and, where possible, create or restore areas that provide important water quality benefits, such as riparian corridors, wetlands, and buffer zones;
 - f) limit disturbances of natural water bodies and natural drainage systems caused by development (including development of roads, highways, and bridges);
 - g) use existing drainage master plans or studies to estimate increases in pollutant loads and flows resulting from projected future development and require incorporation of structural and non-structural BMPs to mitigate the projected pollutant load increases in surface water runoff;
 - h) identify and avoid development in areas that are particularly susceptible to erosion and sediment loss, or establish development guidance that protects areas from erosion/ sediment loss;
 - i) control post-development peak storm water run-off discharge rates and velocities to prevent or reduce downstream erosion, and to protect stream habitat.

REGIONAL WATER QUALITY CONTROL BOARD CONTACT PERSON:

Daniel Warner, Water Resource Control Engineer
Central Valley Regional Water Quality Control Board
364 Knollcrest Drive, Suite 205, Redding, California 96002
dwarner@waterboards.ca.gov
(530) 224-4848

CALIFORNIA ENVIRONMENTAL QUALITY ACT:

The City of Roseville is the Lead Agency responsible for compliance with the California Environmental Quality Act for the Shadowbrook Lift Station and Force Main Project Shadowbrook Lift Station and Force Main Project Phase II pursuant to § 21000 et seq. of the Public Resources Code. The City of Roseville approved Mitigated Negative Declaration on 2 June 2016. The City of Roseville filed a Notice of Determination with the State Clearinghouse on 6 June 2016 (SCH No. 2016032076).

WATER QUALITY CERTIFICATION:

I hereby issue an Order certifying that any discharge from the City of Roseville, Shadowbrook Lift Station and Force Main Project Phase II (WDID# 5A31CR00444) will comply with the applicable provisions of § 301 ("Effluent Limitations"), § 302 ("Water Quality Related Effluent Limitations"), § 303 ("Water Quality Standards and Implementation Plans"), § 306 ("National Standards of Performance"), and § 307 ("Toxic and Pretreatment Effluent Standards") of the Clean Water Act. This discharge is also regulated under State Water Resources Control Board Water Quality Order No. 2003-0017-DWQ "Statewide General Waste Discharge Requirements For Dredged Or Fill Discharges That Have Received State Water Quality Certification (General WDRs)."

Except insofar as may be modified by any preceding conditions, all Certification actions are contingent on (a) the discharge being limited and all proposed mitigation being completed in compliance with conditions of this Certification, the City of Roseville's water quality application package, and the attached "Project Information Sheet", and (b) compliance with all applicable requirements of the *Water Quality Control Plan for the Sacramento River Basin and San Joaquin River Basin, Fourth Edition, revised April 2016* (Basin Plan).

Any person aggrieved by this action may petition the State Water Quality Control Board to review the action in accordance with California Water Code § 13320 and California Code of Regulations, Title 23, § 2050 and following. The State Water Quality Control Board must receive the petition by 5:00 p.m., 30 days after the date of this action, except that if the thirtieth day following the date of this action falls on a Saturday, Sunday, or state holiday, the petition must be received by the State Water Quality Control Board by 5:00 p.m. on the next business day. Copies of the law and regulations applicable to filing petitions may be found on the Internet at: http://www.waterboards.ca.gov/public_notices/petitions/water_quality or will be provided upon request.



(for) Pamela C. Creedon
Executive Officer

DLW:reb

Enclosure: Water Quality Order No. 2003-0017-DWQ

cc list on following page

cc w/o

Enclosure: Leah Fisher, U.S. Army Corp of Engineers, Sacramento
California Department of Fish and Wildlife, Region 2, Rancho Cordova
U.S. Fish and Wildlife Service, Sacramento
Bill Jennings, CALSPA, Stockton
Marin Meza, ECORP Consulting, Inc., Rocklin

cc w/o

Enclosures

by email: U.S. EPA, Region 9, San Francisco
Bill Orme, SWRCB, Certification Unit, Sacramento

PROJECT INFORMATION

Application Date: 9 June 2016

Application Deemed Complete: 20 June 2016

Applicant: City of Roseville
2005 Hilltop Circle
Roseville, CA 95747

Applicant Representative: Marin Meza
ECORP Consulting, Inc.
2525 Warren Drive
Rocklin, CA 95677

Project Name: Shadowbrook Lift Station and Force Main Project Phase II

Application Number: WDID No. 5A31CR00444

Type of Project: Utilities, Underground

Timeframe of Project Implementation: June 2017 through October 2017

Project Location: Section 35, Township 11 North, Range 6 East, MDB&M.
Latitude: 38.753° and Longitude: -121.269°

County: Placer County

Receiving Water(s) (hydrologic unit): Dry Creek, tributary to the Sacramento River. Valley-American Hydrologic Unit No.519.22 – Pleasant Grove HSA

Water Body Type: Streambed

Designated Beneficial Uses: The *Water Quality Control Plan for the Sacramento River Basin and San Joaquin River Basin, Fourth Edition, revised April 2016* (Basin Plan) has designated beneficial uses for surface and ground waters within the region. Beneficial uses that could be impacted by the project include, but are not limited to: Municipal and Domestic Water Supply (MUN); Agricultural Supply (AGR); Industrial Supply (IND); Groundwater Recharge (GWR); Water Contact Recreation (REC-1); Non-Contact Water Recreation (REC-2); Warm Freshwater Habitat (WARM); Cold Freshwater Habitat (COLD); Migration of Aquatic Organisms (MIGR); Spawning, Reproduction, and/or Early Development (SPWN); and Wildlife Habitat (WILD). A comprehensive and specific list of the beneficial uses applicable for the project area can be found at http://www.waterboards.ca.gov/centralvalley/water_issues/basin_plans/index.shtml.

303(d) List of Water Quality Limited Segments: N/A

Project Description (purpose/goal): The Shadowbrook Lift Station and Force Main Project Phase II is located between Dry Creek and the Harding/Lead Hill Boulevard intersection in the City of Roseville.

The proposed Project involves rehabilitation of the existing Shadowbrook Lift Station and force main to improve resiliency to sewer system overflows. The rehabilitation would be constructed in two phases (Phase I and II); however, no impacts to Waters of the U.S. are proposed during Phase I, which consists of rehabilitation of the proposed pumping system, emergency storage, lift station structure, and electrical and instrumentation system. Phase II includes construction of approximately 370 feet of ductile iron dual six-inch force main across Dry Creek to connect the Lift Station on the east side of Dry Creek with the existing 63-inch Dry Creek Interceptor Sewer located on the west side of Dry Creek. Dual force main construction would require a clear water diversion to temporarily de-water a segment of Dry Creek and divert flows through the Project area, resulting in temporary impacts to Dry Creek. Phase I improvements are scheduled for construction in summer 2016. Phase II improvements, which are the subject of this application, are scheduled for construction in summer 2017.

Force Main

New dual six-inch diameter replacement force mains would be installed between the upgraded sewage pumping station and the interceptor west of Dry Creek. The force mains would be valved at the lift station discharge such that only one is in service at any given time and the City Environmental Utilities operating staff could readily switch from use of one to the other. The existing force main would be abandoned in place after installation of the new dual force mains.

The force mains would be installed by cut and cover (open trenching with shoring) methods between the pump station on the east side of the creek and the Dry Creek Interceptor manhole on the west side of the creek. The trench depth would range between 5 to 12 feet. A combination of native soil, sand, gravel, crushed rock and low strength concrete would be used to backfill the trench following pipe installation.

De-Watering

When construction crosses through the actual stream, approved stream diversion barriers would be installed upstream and downstream of the crossing along with temporary piping along the axis of the stream. Dry Creek would be diverted through the piping during the force mains construction within the streambed. The stream diversion devices would be removed immediately following completion of the work within the streambed. Disturbed surface areas within the riparian corridor would likewise be restored immediately following testing of the completed force mains. Best Management Practices (BMPs) within the riparian corridor would include the use of silt fencing along the perimeter of the construction work area and provision of gravel tracking pads between the work area and local roadways. It is anticipated that the contractor would use backhoes and excavators from the upslope bank to install and remove the diversion.

The project will temporarily impact 0.065 acre(s)/57 linear feet of waters of the United States.

Preliminary Water Quality Concerns: Construction activities including soil disturbance, excavation, cutting/filling, and grading activities could result in increased erosion and sedimentation and may impact surface waters with increased turbidity and settleable matter.

Proposed Mitigation to Address Concerns: The City of Roseville will implement Best Management Practices (BMPs) to control sedimentation and erosion. All temporary affected areas will be restored to pre-construction contours and conditions upon completion of construction activities. The City of Roseville will conduct turbidity and settleable matter testing during in-water work, stopping work if Basin Plan criteria are exceeded or are observed.

Fill/Excavation Area: Approximately 90 cubic yards of native soil or other type of material will be excavated from 0.065 acres of waters of the United States.

Approximately cubic yards of native soil or other type of material will be placed into 0.065 acres of waters of the United States.

Dredge Volume: None

California Integrated Water Quality System Impact Data: The Project will temporarily impact 0.065 acre(s)/57 linear feet of streambed from fill/excavation activities.

Table 1: Impacts from Fill and/or Excavation Activities

Aquatic Resource Type	Temporary			Permanent					
				Physical Loss of Area			Degradation of Ecological Condition Only		
	Acres	Cubic-yards	Linear-feet	Acres	Cubic-yards	Linear-feet	Acres	Cubic-yards	Linear-feet
Stream Channel	0.065	90	57						
Total	0.065	90	57						

Notes
NA Not Applicable

United States Army Corps of Engineers File Number: The City of Roseville applied for a permit under Section 404 of the Clean Water Act on 13 June 2016 (SPK-2015-00449).

United States Army Corps of Engineers Permit Type: Nationwide Permit #12 – Utility Line Activities.

California Department of Fish and Wildlife Lake or Streambed Alteration Agreement: The City of Roseville applied for a Lake or Streambed Alteration Agreement on 9 May 2016.

Possible Listed Species: Federally-threatened Central Valley steelhead (*Oncorhynchus mykiss*), Central Valley spring-run Chinook salmon (*Oncorhynchus tshawytscha*). Federally-endangered Central Valley winter-run Chinook salmon (*Oncorhynchus tshawytscha*). California Department of Fish & Wildlife (CDFW) species of special concern western pond turtle (*Actinemys marmorata marmorata*).

Status of CEQA Compliance: The City of Roseville approved a Mitigated Negative Declaration on 2 June 2016. The City of Roseville filed a Notice of Determination with the State Clearinghouse on 6 June 2016 (SCH No. 2016032076).

Compensatory Mitigation: The Central Valley Water Board is not requesting compensatory mitigation for the Shadowbrook Lift Station and Force Main Project Phase II.

Application Fee Provided: An application fee of \$770.00 was submitted on 14 June 2016. A total fee of \$770.00 has been submitted to the Central Valley Water Board as required by § 3833(b)(3)(A) and § 2200(a)(3) of the California Code of Regulations.