



Central Valley Regional Water Quality Control Board

CLEAN WATER ACT SECTION 401 WATER QUALITY CERTIFICATION AND ORDER

Effective Date: 19 February 2021

Expiration Date: 18 February 2026

Program Type: Fill/Excavation

Project Type: Roads and Highways

Project: Guenoc Valley Roads Phase 1A Project (Project)

Applicant: Lotusland Investment Holdings, Inc.

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Reg. Meas. ID:	438859
Place ID:	867619
WDID No.:	5A17CR00180
USACE No.:	SPK-2020-00333 NWP 14

Water Board Contact Person: If you have any questions, please call Regional Water Quality Control Board, Central Valley Region (Central Valley Water Board) Staff listed above or (916) 464-3291 and ask to speak with the Water Quality Certification Unit Supervisor.

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Attachment B: Receiving Waters, Impacts, and Mitigation Information

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I. Order

This Clean Water Act (CWA) section 401 Water Quality Certification action and Order (Order) is issued at the request of Lotusland Investment Holdings, Inc. (hereinafter Permittee) for the Project. This Order is for the purpose described in application and supplemental information submitted by the Permittee. The application was received on 23 June 2020. The application was deemed complete on 9 September 2020. Prior to receiving a complete application, Central Valley Water Board staff issued a notice of incomplete application and the Permittee responded to the request for application information on the following date(s):

Date of Notice of Incomplete Application: **23 July 2020**
Date all requested information was received: **25 August 2020**

Central Valley Water Board staff requested additional information necessary to supplement the contents of the complete application and the Permittee responded to the request for supplemental information on the following dates:

Date of Request for Supplemental Information: **9 September 2020**
Date all requested information was received: **9 February 2021**

II. Public Notice

The State Water Board provided public notice of the application pursuant to California Code of Regulations, title 23, section 3858 from 26 June 2020 to 17 July 2020. The Central Valley Water Board did not receive any comments during the comment period.

III. Project Purpose

The purpose of the Project is to upgrade and improve an existing road network that will provide access to the proposed development and meet the Lake County Code of Ordinances road specifications and CalFire requirements for the road infrastructure.

IV. Project Description

The 43.38-acre Project consists of improving the existing roadway infrastructure and crossing network within the Guenoc Ranch area.

V. Project Location

Address: 21000 Butts Canyon Road, Middletown, CA

County: Lake

Nearest City: Middletown

Section 13, Township 10 North, Range 6 West, MDB&M.

Latitude: 38.74074° and Longitude: -122.46568°

Maps showing the Project location are found in Attachment A of this Order.

VI. Project Impact and Receiving Waters Information

The Project is located within the jurisdiction of the Central Valley Water Board. Receiving waters and groundwater potentially impacted by this Project are protected in accordance with the Water Quality Control Plan for the Sacramento River and San Joaquin River Basins, Fifth Edition, May 2018 (Basin Plan). The plan for the region and other plans and policies may be accessed at the [State Water Resources Control Board's Plans and Policies Web page](http://www.waterboards.ca.gov/plans_policies/) (http://www.waterboards.ca.gov/plans_policies/). The Basin Plan includes water quality standards, which consist of existing and potential beneficial uses of waters of the state, water quality objectives to protect those uses, and the state and federal antidegradation policies.

It is the policy of the State of California that every human being has the right to safe, clean, affordable, and accessible water adequate for human consumption, cooking, and sanitary purposes. This Order promotes that policy by requiring discharges to meet maximum contaminant levels designed to protect human health and ensure that water is safe for domestic use.

Project impact and receiving waters information can be found in Attachment B. Table 1 of Attachment B shows the receiving waters and beneficial uses of waters of the state impacted by the Project. Individual impact location and quantity is shown in Table 2 of Attachment B.

VII. Description of Direct Impacts to Waters of the State

Project activities include realigning and widening the roadway, replacing and installing new crossing over streams and wetlands, and installing new roadways to provide better access to the ranch.

Major Crossing 1

Major Crossing 1 is a 56-foot long by 30-foot wide, single span, precast, prestressed concrete voided slab bridge with wingwalls. The crossing is located along Road 1 and will span Butts Creek. Abutment footings will be excavated down to the rock base to be secured. The abutments are cast-in-place reinforced concrete short seat abutments on spread footings with cast-in-place reinforced concrete wingwalls. An additional retaining wall will be constructed at the south abutment to accommodate the tie-in to Butts Canyon Road. The crossing superstructure will be installed by lifting the precast voided slabs onto the abutment seats using a track-mounted crane and installing an asphalt overlay. The work area will be completely dewatered prior to construction activities. Work areas will be isolated and cleared of standing water before construction activities commence.

Major Crossing 2

Major Crossing 2 will replace an existing pipe culvert under Road 3 with a prefabricated metal pipe with flared ends and slope grading. Three 24-inch diameter culverts will be installed to accommodate the 100-year flow volume within the top of bank and below the ordinary high-water mark.

Culverts

The majority of streams and drainages within Phase 1A are small and will be spanned with conventional enclosed culverts. The Project includes installing 44 aluminized steel culvert crossings with flared end sections and rip rap aprons. The culverts range in size from 15 to 45-inches and are sized to withstand a 100-year storm event at no greater than 75 percent capacity. Existing pipe culverts will be replaced with new culverts to accommodate the road widening.

Roads

Existing roads will be widened and/or realigned to approximately 10 to 11 feet in their existing alignment. New roads will be constructed to provide connections between existing roadways. Unpaved roadway shoulders will be regraded and stabilized with gravel.

Rip Rap

Rip rap will be used to stabilize sediment, prevent erosion, and dissipate energy around replacement culverts, new culverts, and Major Crossing 1. Rip rap will be placed below top of bank and within the ordinary high-water mark at the footings of Major Crossing 1 abutments and at the aprons of culvert outlets.

Grading and Temporary Staging Areas

Temporary grading will occur to provide access to construct new culverts, roads, and placing rip rap. Two temporary staging areas will be constructed throughout Guenoc Ranch to allow for storage and sorting of roadway materials, and to assemble and store culvert, bridge, and roadway equipment and parts. The staging areas are sited to avoid impacts to sensitive resources. Areas of temporary grading and staging areas will be recontoured to pre-construction grade and conditions upon completion of construction activities. If standing water is present, areas will be dewatered as necessary.

Total Project fill/excavation quantities for all impacts are summarized in Tables 1 and 2. Permanent impacts are categorized as those resulting in a physical loss in area and also those degrading ecological condition.

Table 1: Total Project Fill/Excavation Quantity for Temporary Impacts¹

Aquatic Resources Type	Acres	Cubic Yards	Linear Feet
Stream Channel	0.17		1,908
Wetland	0.07		

Table 2: Total Project Fill/Excavation Quantity for Permanent Physical Loss of Area Impacts

Aquatic Resources Type	Acres	Cubic Yards	Linear Feet
Stream Channel	0.42		7,241
Wetland	0.27		

VIII. Description of Indirect Impacts to Waters of the State

The Central Valley Water Board recognizes the potential for indirect impacts to waters of the state associated with the Project. The Project will cause minor, temporary turbidity impacts due to dewatering activities.

IX. Avoidance and Minimization

To minimize the potential effects of construction on water quality and resources, the Permittee shall implement all measures required as described in the Order. According to the Permittee, the following measures will be in place during construction activities to avoid, reduce, and minimize impacts to waters of the state:

- An environmental awareness training program shall be provided to personnel working on the Phase 1A Project.
- The training should include materials that describe the sensitive habitats and species present and the measures that have been incorporated into Phase 1A to protect those habitats and species. The training materials should be prepared by a qualified biologist who will train a member of the contractor's crew to provide follow-up trainings to newly hired employees during the construction period. These materials may be updated as new information is available.
- All work areas, including temporary staging areas, should be the minimum size necessary to implement Phase 1A and should be clearly delimited prior to implementation of any work.
- All trash and debris should be confined in enclosed bins located within staging areas.

¹ Includes only temporary direct impacts to waters of the state and does not include area of temporary disturbance which could result in a discharge to waters of the state. Temporary impacts, by definition, are restored to pre-project conditions and therefore do not include a physical loss of area or degradation of ecological condition.

- No pets should be allowed within the construction area.
- Any soil or other material stockpiled during construction that could be easily transported by wind or rain should be covered when not actively in use.
- No materials should be placed where they may enter sensitive habitat, receiving waters, or a storm drain, or be subject to wind or runoff erosion and dispersion.
- Appropriate washout, track-out, and dust control BMPs should be implemented during construction.
- All vehicles and equipment scheduled for use in construction on the site shall be clean and free of mud or vegetation that could introduce plant pathogens or propagules of non-native plants. This includes equipment hauled into the site. The importance of this measure will be discussed in the environmental awareness training materials.
- No construction vehicles or machinery shall be allowed outside of the delimited parking, staging, and work areas.
- All vehicles and equipment used on site shall be well maintained and checked upon site entry for fuel, oil, and hydraulic fluid leaks or other problems that could result in spills of toxic materials. Drip pans shall be used under all vehicles and equipment when not in active use.
- All vehicle fueling and maintenance activities shall occur at least 100 feet away from any wetland, stream, or other water body.
- A Stormwater Pollution Prevention Plan (SWPPP) shall be developed for Phase 1A in accordance with the Lake County Clean Water Program and all measures included in the SWPPP should be implemented during all phases of construction, as appropriate.
- Temporary erosion control materials shall be inspected on a regular basis consistent with the SWPPP during construction, and any required repairs should be implemented immediately.
- For any work within aquatic features or their setback, the contractor shall be prepared to handle any localized hazardous waste spills (e.g. gas, oil, or pesticides). Spill control and clean-up materials (e.g., oil absorbent pads, fiber rolls) should be kept on-site at all times in case a spill occurs. Any waste materials including, but not limited to, raw cement/concrete or washings thereof, asphalt, paint, construction waste, or other coating material, oil or other petroleum products, or any other substances which could be hazardous to aquatic life, shall be prevented from contaminating the soil and/or entering any waterways.
- All erosion control materials shall use certified weed-free straw or other biodegradable, weed-free materials. No materials containing monofilament netting shall be used.
- All temporary flagging, fencing, and/or barriers will be removed from the project sites upon completion of Phase 1A Project activities.

Impervious surfaces cause reduced base flows through decreased groundwater recharge; increased erosion and sedimentation via hydro-modification (i.e., any activity that increases the velocity and volume (flow rate) affecting residence time,

and alters the natural timing of runoff); and accumulation of pollutants that are subsequently discharged in storm water after construction. With the implementation of Low Impact Development (LID) treatments, the effects of impervious surfaces were minimized to Butts Creek.

X. Compensatory Mitigation

The Permittee has agreed to provide compensatory mitigation for direct impacts, described in section VII for permanent impacts.

XI. California Environmental Quality Act (CEQA)

On 21 July 2020, Lake County, as lead agency, certified an Environmental Impact Report (EIR) (State Clearinghouse (SCH) No.2019049134) for the Project and filed a Notice of Determination (NOD) at the SCH on 22 July 2020. Pursuant to CEQA, the Central Valley Water Board has made Findings of Facts (Findings) which support the issuance of this Order and are included in Attachment C.

XII. Petitions for Reconsideration

Any person aggrieved by this action may petition the State Water Board to reconsider this Order in accordance with California Code of Regulations, title 23, section 3867. A petition for reconsideration must be submitted in writing and received within 30 calendar days of the issuance of this Order.

XIII. Fees Received

An application fee of \$1,949.00 was received on 24 June 2020. The fee amount was determined as required by California Code of Regulations, Title 23, sections 3833(b)(3) and 2200(a)(3) and was calculated as Category A - Fill & Excavation Discharges (fee code 84) with the dredge and fill fee calculator.

An additional fee of \$12,817.00 based on total Project impacts was received on 9 February 2021.

Federal dischargers involved in Dredge and Fill Operations only are not subject to permit fees as required by Section 3833(b)(3)(A) and Section 2200(a)(3) of the California Code of Regulations.

XIV. Conditions

The Central Valley Water Board has independently reviewed the record of the Project to analyze impacts to water quality and designated beneficial uses within the watershed of the Project. In accordance with this Order, the Permittee may proceed with the Project under the following terms and conditions:

A. Authorization

Impacts to waters of the state shall not exceed quantities shown in Tables 1 and 2.

B. Reporting and Notification Requirements

The following section details the reporting and notification types and timing of submittals. Requirements for the content of these reporting and notification types are detailed in Attachment D, including specifications for photo and map documentation during the Project. Written reports and notifications must be submitted using the Reporting and Notification Cover Sheet located in Attachment D, which must be signed by the Permittee or an authorized representative.

The Permittee must 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 No. Documents that are 50 MB or larger must be transferred to a disk and mailed to the Central Valley Water Board Contact.

1. Project Reporting

- a. **Monthly Reporting:** The Permittee must submit a Monthly Report to the Central Valley Water Board on the 1st day of each month beginning the month after the submittal of the Commencement of Construction Notification. Monthly reporting shall continue until the Central Valley Water Board issues a Notice of Project Complete Letter to the Permittee.
- b. **Annual Reporting:** The Permittee shall submit an Annual Report each year on the 1st day of February. Annual reports shall continue until a Notice of Project Complete Letter is issued to the Permittee.

2. Project Status Notifications

- a. **Commencement of Construction:** The Permittee shall submit a Commencement of Construction Report at least seven (7) days prior to start of initial ground disturbance activities, and include the corresponding Waste Discharge Identification Number (WDID#) issued under this Order. Additionally, if applicable, the Report shall also include the Enrollee number issued for coverage under the NPDES General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities (Order No. 2009-0009-DWQ; NPDES No. CAS000002).
- b. **Request for Notice of Completion of Discharges Letter:** The Permittee shall submit a Request for Notice of Completion of Discharges Letter following completion of active Project construction activities, including any required restoration and permittee-responsible mitigation. This request shall be submitted to the Central Valley Water Board staff within thirty (30) days following completion of all Project construction activities. Upon acceptance of the request, Central Valley Water Board staff shall issue a

Notice of Completion of Discharges Letter to the Permittee which will end the active discharge period.

- c. Request for Notice of Project Complete Letter:** The Permittee shall submit a Request for Notice of Project Complete Letter when construction and/or any post-construction monitoring is complete, and no further Project activities will occur. Completion of post-construction monitoring shall be determined by Central Valley Water Board staff and shall be contingent on successful attainment of restoration and mitigation performance criteria. This request shall be submitted to Central Valley Water Board staff within thirty (30) days following completion of all Project activities. Upon approval of the request, the Central Valley Water Board staff shall issue a Notice of Project Complete Letter to the Permittee which will end the post discharge monitoring period.

3. Conditional Notifications and Reports:

The following notifications and reports are required as appropriate.

a. Accidental Discharges of Hazardous Materials²

Following an accidental discharge of a reportable quantity of a hazardous material, sewage, or an unknown material, the following applies (Water Code, Section 13271):

- i. As soon as (A) Permittee has knowledge of the discharge or noncompliance, (B) notification is possible, and (C) notification can be provided without substantially impeding cleanup or other emergency measures then:
- first call – 911 (to notify local response agency)
 - then call – Office of Emergency Services (OES) State Warning Center at:(800) 852-7550 or (916) 845-8911
 - Lastly, follow the required OES, procedures as set forth in the [Office of Emergency Services' Accidental Discharge Notification Web page](http://www.caloes.ca.gov/FireRescueSite/Documents/CalOES-Spill_Booklet_Feb2014_FINAL_BW_Acc.pdf) (http://www.caloes.ca.gov/FireRescueSite/Documents/CalOES-Spill_Booklet_Feb2014_FINAL_BW_Acc.pdf)

² "Hazardous material" means any material that, because of its quantity, concentration, or physical or chemical characteristics, poses a significant present or potential hazard to human health and safety or to the environment if released into the workplace or the environment. "Hazardous materials" include, but are not limited to, hazardous substances, hazardous waste, and any material that a handler or the administering agency has a reasonable basis for believing that it would be injurious to the health and safety of persons or harmful to the environment if released into the workplace or the environment. (Health & Safety Code, Section 25501.)

- ii. Following notification to OES, the Permittee shall notify Central Valley Water Board, as soon as practicable (ideally within 24 hours). Notification may be delivered via written notice, email, or other verifiable means.
 - iii. Within five (5) working days of notification to the Central Valley Water Board, the Permittee must submit an Accidental Discharge of Hazardous Material Report.
- b. Violation of Compliance with Water Quality Standards:** The Permittee shall notify the Central Valley Water Board of any event causing a violation of compliance with water quality standards. Notification may be delivered via written notice, email, or other verifiable means.
- i. This notification must be followed within three (3) working days by submission of a Violation of Compliance with Water Quality Standards Report.

c. In-Water Work and Diversions:

- i. The Permittee shall notify the Central Valley Water Board at least forty-eight (48) hours prior to initiating work in water or stream diversions. Notification may be delivered via written notice, email, or other verifiable means.
- ii. Within three (3) working days following completion of work in water or stream diversions, an In-Water Work/Diversions Water Quality Monitoring Report must be submitted to Central Valley Water Board staff.

d. Modifications to Project

Project modifications may require an amendment of this Order. The Permittee shall give advance notice to Central Valley Water Board staff if Project implementation as described in the application materials is altered in any way or by the imposition of subsequent permit conditions by any local, state or federal regulatory authority by submitting a Modifications to Project Report. The Permittee shall inform Central Valley Water Board staff of any Project modifications that will interfere with the Permittee's compliance with this Order. Notification may be made in accordance with conditions in the certification deviation section of this Order.

e. Transfer of Property Ownership:

This Order is not transferable in its entirety or in part to any person or organization except after notice to the Central Valley Water Board in accordance with the following terms:

- i. The Permittee must notify the Central Valley Water Board of any change in ownership or interest in ownership of the Project area by submitting a Transfer of Property Ownership Report. The Permittee

and purchaser must sign and date the notification and provide such notification to the Central Valley Water Board at least 10 days prior to the transfer of ownership. The purchaser must also submit a written request to the Central Valley Water Board to be named as the permittee in a revised order.

- ii. Until such time as this Order has been modified to name the purchaser as the permittee, the Permittee shall continue to be responsible for all requirements set forth in this Order.

f. Transfer of Long-Term BMP Maintenance:

If maintenance responsibility for post-construction BMPs is legally transferred, the Permittee must submit to the Central Valley Water Board a copy of such documentation and must provide the transferee with a copy of a long-term BMP maintenance plan that complies with manufacturer or designer specifications. The Permittee must provide such notification to the Central Valley Water Board with a Transfer of Long-Term BMP Maintenance Report at least 10 days prior to the transfer of BMP maintenance responsibility.

C. Water Quality Monitoring

1. General:

If surface water is present continuous visual surface water monitoring shall be conducted during active construction periods to detect accidental discharge of construction related pollutants (e.g. oil and grease, turbidity plume, or uncured concrete). Sampling is not required in a wetland where the entire wetland is being permanently filled, provided there is no outflow connecting the wetland to surface waters. The Permittee shall perform surface water sampling:

- a. when performing any in-water work;
- b. during the entire duration of temporary surface water diversions;
- c. in the event that the Project activities result in any materials reaching surface waters; or
- d. when any activities result in the creation of a visible plume in surface waters.

2. Accidental Discharges/Noncompliance:

Upon occurrence of an accidental discharge of hazardous materials or a violation of compliance with a water quality standard, Central Valley Water Board staff may require water quality monitoring based on the discharge constituents and/or related water quality objectives and beneficial uses.

3. In-Water Work or Diversions:

During planned in-water work or during the entire duration of temporary water diversions, any discharge(s) to waters of the state shall conform to the following water quality standards:

- a. Waters shall not contain oils, greases, waxes, or other materials in concentrations that cause nuisance, result in a visible film or coating on the surface of the water or on objects in the water, or otherwise adversely affect beneficial uses.
- b. 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.

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 permission of the Central Valley Water Board Executive Officer.

Sampling during in-water work or during the entire duration of temporary water diversions shall be conducted in accordance with Table 3 sampling parameters.³ The sampling requirements in Table 3 shall be conducted upstream out of the influence of the Project, and approximately 300 feet downstream of the work area.

³ 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. Grab samples shall be taken between the surface and mid-depth and not be collected at the same time each day to get a complete representation of variations in the receiving water. A hand-held field meter may be used, provided the meter utilizes a U.S. EPA-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 shall be maintained onsite.

The sampling frequency may be modified for certain projects with written approval from Central Valley Water Board staff. An In-Water Work and Diversion Water Quality Monitoring Report, as described in Attachment D, shall be submitted within two weeks on initiation of in-water construction, and every two weeks thereafter. An In-Water Work and Diversion Water Quality Monitoring Report, as described in Attachment D, shall be submitted within two weeks on initiation of in-water construction, and the remaining In-Water Work and Diversion Water Quality Monitoring shall be submitted with the Request for Notice of Completion of Discharges letter. In reporting the data, the Permittee 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 Order 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 in XIV.C.3.

If no sampling is required, the Permittee shall submit a written statement stating, "No sampling was required" within two weeks on initiation of in-water construction, and every two weeks thereafter.

Table 3: Sample Type and Frequency Requirements

Parameter	Unit of Measurement	Type of Sample	Minimum Frequency
Turbidity	NTU	Grab	Every 4 hours
Visible construction related pollutants ⁴	Observations	Visual Inspections	Continuous throughout the construction period

4. Post-Construction

Visually inspect the Project site during the rainy season for one year following completion of active Project construction activities to ensure excessive erosion, stream instability, or other water quality pollution is not occurring in or downstream of the Project site. If water quality pollution is occurring, contact the Central Valley Water Board staff member overseeing the Project within three (3) working days. The Central Valley Water Board may require the submission of a Violation of Compliance with Water Quality Standards Report. Additional permits may be required to carry out any necessary site remediation.

⁴ Visible construction-related pollutants include oil, grease, foam, fuel, petroleum products, and construction-related, excavated, organic or earthen materials.

D. Standard

1. This Order is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to Water Code section 13330, and California Code of Regulations, Title 23, Chapter 28, article 6 commencing with sections 3867-3869, inclusive. Additionally, the Central Valley Water Board reserves the right to suspend, cancel, or modify and reissue this Order, after providing notice to the Permittee, if the Central Valley Water Board determines that: the Project fails to comply with any of the conditions of this Order; or, when necessary to implement any new or revised water quality standards and implementation plans adopted or approved pursuant to the Porter-Cologne Water Quality Control Act (Water Code, section 13000 et seq.) or federal Clean Water Act section 303 (33 U.S.C. section 1313). For purposes of Clean Water Act section 401(d), the condition constitutes a limitation necessary to assure compliance with water quality standards and appropriate requirements of state law.
2. This Order is not intended and shall not be construed to apply to 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 subsection 3855(b) of chapter 28, Title 23 of the California Code of Regulations, and that application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.
3. This Order is conditioned upon total payment of any fee required under Title 23 of the California Code of Regulations and owed by the Permittee.
4. In the event of any violation or threatened violation of the conditions of this Order, the violation or threatened violation shall be subject to any remedies, penalties, process, or sanctions as provided for under state and federal law. For purposes of Clean Water Act, section 401(d), the applicability of any state law authorizing remedies, penalties, processes, or sanctions for the violation or threatened violation constitutes a limitation necessary to assure compliance with the water quality standards and other pertinent requirements incorporated into this Order.

E. General Compliance

1. Failure to comply with any condition of this Order shall constitute a violation of the Porter-Cologne Water Quality Control Act and the Clean Water Act. The Permittee and/or discharger may then be subject to administrative and/or civil liability pursuant to Water Code section 13385.
2. Permitted actions must not cause a violation of any applicable water quality standards, including impairment of designated beneficial uses for receiving waters as adopted in the Basin Plans by any applicable Regional Water

Board or any applicable State Water Board (collectively Water Boards) water quality control plan or policy. The source of any such discharge must be eliminated as soon as practicable.

3. In response to a suspected violation of any condition of this Order, the Central Valley Water Board may require the holder of this Order to furnish, under penalty of perjury, any technical or monitoring reports the Water Boards deem 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. The additional monitoring requirements ensure that permitted discharges and activities comport with any applicable effluent limitations, water quality standards, and/or other appropriate requirement of state law.
4. The Permittee must, at all times, fully comply with engineering plans, specifications, and technical reports submitted to support this Order; and all subsequent submittals required as part of this Order. The conditions within this Order and Attachments supersede conflicting provisions within Permittee submittals.
5. This Order and all of its conditions contained herein continue to have full force and effect regardless of the expiration or revocation of any federal license or permit issued for the Project. For purposes of Clean Water Act, section 401(d), this condition constitutes a limitation necessary to assure compliance with the water quality standards and other pertinent requirements of state law.
6. The Permittee shall adhere to all requirements in the mitigation monitoring and reporting program (MMRP), which is incorporated herein by reference and any additional measures as outlined in Attachment C, CEQA Findings of Fact.
7. **Construction General Permit Requirement:** The Permittee 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; NPDES No. CAS000002), 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.

F. Administrative

1. Signatory requirements for all document submittals required by this Order are presented in Attachment E of this Order.

2. This Order does not authorize any act which results in the taking of a threatened, endangered or candidate species or any act, which is now prohibited, or becomes prohibited in the future, under either the California Endangered Species Act (Fish & Wildlife Code, sections 2050-2097) or the federal Endangered Species Act (16 U.S.C. sections 1531-1544). If a “take” will result from any act authorized under this Order held by the Permittee, the Permittee must comply with the California Endangered Species Act and federal Endangers Species Act prior to any construction or operation of the portion of the Project that may result in a take. The Permittee is responsible for meeting all requirements of the applicable endangered species act for the Project authorized under this Order.
3. The Permittee shall grant Central Valley Water Board staff, or an authorized representative (including an authorized contractor acting as a Water Board representative), upon presentation of credentials and other documents as may be required by law, permission to:
 - a. Enter upon the Project or compensatory mitigation site(s) premises where a regulated facility or activity is located or conducted, or where records are kept.
 - b. Have access to and copy any records that are kept and are relevant to the Project or the requirements of this Order.
 - c. Inspect any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Order.
 - d. Sample or monitor for the purposes of assuring Order compliance.
4. A copy of this Order shall be provided to any consultants, contractors, and subcontractors working on the Project. Copies of this Order shall remain at the Project site for the duration of this Order. The Permittee shall be responsible for work conducted by its consultants, contractors, and any subcontractors.
5. A copy of this Order must be available at the Project site(s) during construction for review by site personnel and agencies. All personnel performing work on the Project shall be familiar with the content of this Order and its posted location at the Project site.
6. **Lake or Streambed Alteration Agreement:** The Permittee shall submit a signed copy of the California Department of Fish and Wildlife’s Lake or Streambed Alteration Agreement or other authorization letter to the Central Valley Water Board immediately upon receipt and prior to any discharge to waters of the state.

G. Construction**1. Dewatering**

- a. If water is present, the area must be dewatered prior to start of work.
- b. Dewatering will occur within the Project area.
- c. This Order does not allow permanent water diversion of flow from the receiving water. This Order is invalid if any water is permanently diverted as a part of the project.
- d. The Permittee shall work with the Central Valley Water Board to obtain coverage under an NPDES permit for dewatering activities that result in discharges into surface water.
- e. The Permittee shall develop and maintain on-site a Surface Water Diversion and/or Dewatering Plan(s). The Plan(s) must be developed prior to initiation of any water diversions. The Plan(s) shall include the proposed method and duration of diversion activities and include water quality monitoring conducted, as described in section XIV.C.3, during the entire duration of dewatering and diversion activities. The Plan(s) must be consistent with this Order and must be made available to the Central Valley Water Board staff upon request.
- f. For any temporary dam or other artificial obstruction 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 section XIV.C.3.
- g. The temporary dam or other artificial obstruction 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.

2. Directional Drilling – Not Applicable**3. Dredging – Not Applicable****4. Fugitive Dust**

Dust abatement activities can cause discharges of sediment to streams and uplands through application of water or other fluids. Dust abatement chemicals added to water can be hazardous to wildlife and, if allowed to enter streams, detrimental to water quality. Therefore, dust abatement activities shall be conducted so that sediment or dust abatement chemicals are not discharged into waters of the state. Dust abatement products or additives that are known to be detrimental to water quality or wildlife shall not be used, unless specific management needs are documented, and product-specific application plans are approved by Central Valley Water Board staff.

5. Good Site Management “Housekeeping”

- a. The Permittee 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 be made available to the Central Valley Water Board staff upon request.
- b. 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 Permittee 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.
- c. All materials resulting from the Project shall be removed from the site and disposed of properly.

6. Hazardous Materials

- a. The discharge of petroleum products, any construction materials, hazardous materials, pesticides, fuels, lubricants, oils, hydraulic fluids, raw cement, concrete or the washing thereof, asphalt, paint, coating material, drilling fluids, or other substances potentially hazardous to fish and wildlife resulting from or disturbed by project-related activities is prohibited and shall be prevented from contaminating the soil and/or entering waters of the state. In the event of a prohibited discharge, the Permittee shall comply with notification requirements in sections XIV.B.3.a and XIV.B.3.b.
- b. No wet concrete will be placed into wetland or stream channel habitat.

7. Invasive Species and Soil Borne Pathogens

Prior to arrival at the project site and prior to leaving the project site, construction equipment that may contain invasive plants and/or seeds shall be cleaned to reduce the spread of noxious weeds.

8. Roads

- a. The number of access routes, number and size of staging areas, and the total area of the activity must be limited to the minimum necessary to

achieve the project goal. Routes and work area boundaries must be clearly demarcated.

- b. Bridges, culverts, dip crossings, or other structures must be installed so that water and in-stream sediment flow is not impeded. Appropriate design criteria, practices and materials must be used in areas where access roads intersect waters of the state.
- c. Temporary materials placed in any water of the state must be removed as soon as construction is completed at that location, and all temporary roads must be removed or re-contoured and restored according to approved re-vegetation and restoration plans.
- d. Any structure, including but not limited to, culverts, pipes, piers, and coffer dams, placed within a stream where fish (as defined in California Fish and Game Code section 45) exist or may exist, must be designed, constructed, and maintained such that it does not constitute a barrier to upstream or downstream movement of aquatic life, or cause an avoidance reaction by fish due to impedance of their upstream or downstream movement. This includes, but is not limited to, maintaining the supply of water and maintaining flows at an appropriate depth, temperature, and velocity to facilitate upstream and downstream fish migration. If any structure results in a long-term reduction in fish movement, the discharger shall be responsible for restoration of conditions as necessary (as determined by the Water Board) to secure passage of fish across the structure.
- e. A method of containment must be used below any temporary bridge, trestle, boardwalk, and/or other stream crossing structure to prevent any debris or spills from falling into the waters of the state. Containment must be maintained and kept clean for the life of the temporary stream crossing structure.

9. Sediment Control

- a. Except for activities permitted by the United States Army Corps of Engineers under Section 404 of the Clean Water Act and/or Section 10 of the Rivers and Harbors Act, soil, silt, or other organic materials shall not be placed where such materials could pass into surface water or surface water drainage courses.
- b. Silt fencing, straw wattles, or other effective management practices must be used along the construction zone to minimize soil or sediment along the embankments from migrating into the waters of the state through the entire duration of the Project.
- c. The use of netting material (e.g., monofilament-based erosion blankets) that could trap aquatic dependent wildlife is prohibited within the Project area.

10. Special Status Species – Not Applicable**11. Stabilization/Erosion Control**

- a. All areas disturbed by Project activities shall be protected from washout and erosion.
- b. Hydroseeding shall be performed with California native seed mix.

12. Storm Water

- a. During the construction phase, the Permittee must employ strategies to minimize erosion and the introduction of pollutants into storm water runoff. These strategies must include the following:
 - i. 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.

H. Site Specific – Not Applicable**I. Total Maximum Daily Load (TMDL) – Not Applicable****J. Mitigation for Temporary Impacts**

1. The Permittee shall restore all areas of temporary impacts, including Project site upland areas, which could result in a discharge to waters of the state to pre-construction contours and conditions upon completion of construction activities as described in a restoration plan. The restoration plan shall be submitted for written acceptance by Central Valley Water Board staff within ninety days (90) of issuance of this Order. The restoration plan shall provide the following: a schedule; plans for grading of disturbed areas to pre-project contours; planting palette with plant species native to the Project area; seed collection location; invasive species management; performance standards; and maintenance requirements (e.g. watering, weeding, and replanting).
2. The Central Valley Water Board may extend the monitoring period beyond requirements of the restoration plan upon a determination by Executive Officer that the performance standards have not been met or are not likely to be met within the monitoring period.
3. If restoration of temporary impacts to waters of the state is not completed within 90 days of the impacts, compensatory mitigation may be required to offset temporal loss of waters of the state.

K. Compensatory Mitigation for Permanent Impacts:

Compensatory Mitigation is for permanent physical loss and permanent ecological degradation of a water of the state.

1. Compensatory Mitigation Plan

- a. The Permittee has submitted an approved draft compensatory mitigation plan as part of a complete application. The Permittee shall provide a final compensatory mitigation plan for written acceptance by Central Valley Water Board staff. Impacts to waters of the state are not authorized and shall not occur until a compensatory mitigation plan has been approved by Central Valley Water Board staff. Upon acceptance by Central Valley Water Board staff, the Permittee shall implement the approved plan.
- b. The final compensatory mitigation plan shall include all plan elements as outlined in 40 CFR section 230.94(c).
- c. Permittees fulfilling their compensatory mitigation obligations by securing credits from an approved mitigation bank or in-lieu fee program, need only include the items described in 40 CFR section 230.94(c)(5)-(6), and the name of the specific mitigation bank or in-lieu fee program to be used.

2. Irrevocable Letter of Credit – Not Applicable

3. Permittee-Responsible Compensatory Mitigation Responsibility

- a. The Permittee is responsible for the required compensatory mitigation in perpetuity. However, the Permittee may transfer the compensatory mitigation requirements associated with long-term management when the following conditions have been met:
 - i. Performance standards are met.
 - ii. A Transfer Agreement to a third party has been approved by Central Valley Water Board staff.
 - iii. An endowment fund has been provided by the Permittee to a third party for management in perpetuity of the mitigation site.
 - iv. A conservation easement, deed restriction, or other appropriate restrictive covenant for the mitigation site has been recorded and approved by Central Valley Water Board staff.
- b. Transfer of Long-Term Permittee-Responsible Compensatory Mitigation and Management Responsibility
 - i. A transfer agreement shall be submitted from an authorized representative of the new party (transferee) for acceptance by Central Valley Water Board staff. This agreement shall demonstrate acceptance and understanding of the responsibility to comply with and fully satisfy the required compensatory mitigation and long-term management conditions. Failure to comply with the mitigation conditions and associated requirements may subject the transferee to enforcement by the Central Valley Water Board under Water Code section 13385, subdivision (a).

- ii. Notification of transfer of responsibilities meeting the above condition must be provided to the Central Valley Water Board staff. A draft transfer agreement is due to Central Valley Water Board staff no less than thirty (30) days prior to the transfer of the mitigation responsibility. A final transfer agreement is due to Central Valley Water Board staff within 30 days of the completion of the transfer.

4. Purchase of Mitigation Credits by Permittee for Compensatory Mitigation

- a. A copy of the fully executed agreement for the purchase of mitigation credits shall be provided to the Central Valley Water Board within 90 days of authorized impacts.
prior to the initiation of in water work.
- b. The Permittee shall retain responsibility for providing the compensatory mitigation and long-term management until Central Valley Water Board staff has received documentation of the credit purchase and the transfer agreement between the Permittee and the seller of credits.

5. Total Required Compensatory Mitigation

- a. The Permittee is required to provide compensatory mitigation for the authorized impact to stream channel habitat by purchasing 0.42 acre/7,241 linear feet of aquatic resource establishment credits through the National Fish and Wildlife Foundation (NFWF) Sacramento District California In-Lieu Fee (ILF) Program in the Cache/Putah Rivers Aquatic Resource Service Area.
- b. The Permittee is required to provide compensatory mitigation for the authorized impact to wetland habitat by purchasing 0.27 acre of aquatic resource establishment credits from the NFWF Sacramento District California ILF Program in the Cache/Putah Rivers Aquatic Resource Service Area.
- c. Total required Project compensatory mitigation information for permanent physical loss of area is summarized in Table 4. [Establishment (Est.), Re-establishment (Re-est.), Rehabilitation (Reh.), Enhancement (Enh.), Preservation (Pres.), Unknown].

Table 4: Total Required Project Compensatory Mitigation Quantity for Permanent Physical Loss of Area

Aquatic Resource Type	Mitigation Type	Units	Est.	Re-est.	Reh.	Enh.	Pres.	Unknown
Stream Channel	In-Lieu Fee Credits	Acres	0.42					

Aquatic Resource Type	Mitigation Type	Units	Est.	Re-est.	Reh.	Enh.	Pres.	Unknown
Wetland	In-Lieu Fee Credits	Acres	0.27					

L. Certification Deviation

1. Minor modifications of Project locations or predicted impacts may be necessary as a result of unforeseen field conditions, necessary engineering re-design, construction concerns, or similar reasons. Some of these prospective Project modifications may have impacts on water quality. Some modifications of Project locations or predicted impacts may qualify as Certification Deviations as set forth in Attachment F. For purposes of this Certification, a "Certification Deviation" is a Project locational or impact modification that does not require an immediate amendment of the Order, because the Central Valley Water Board has determined that any potential water quality impacts that may result from the change are sufficiently addressed by the Order conditions and the CEQA Findings. After the termination of construction, this Order will be formally amended to reflect all authorized Certification Deviations and any resulting adjustments to the amount of water resource impacts and required compensatory mitigation amounts.

2. A Project modification shall not be granted a Certification Deviation if it warrants or necessitates changes that are not addressed by the Order conditions or the CEQA environmental document such that the Project impacts are not addressed in the Project's environmental document or the conditions of this Order. In this case a supplemental environmental review and different Order will be required.

XV. Water Quality Certification

I hereby issue the Order for the Guenoc Valley Roads Phase 1A Project, WDID# 5A17CR00180, certifying that as long as all of the conditions listed in this Order are met, any discharge from the referenced Project will comply with the applicable provisions of Clean Water Act sections 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). The Central Valley Water Board, as lead agency, hereby adopts an Environmental Impact Report (EIR) (State Clearinghouse (SCH) No. 2019049134) and approves the mitigation monitoring and reporting program (MMRP) for the Project.

The Central Valley Water Board will file a Notice of Determination (NOD) at the SCH within five (5) working days of issuance of this Order. This discharge is also regulated pursuant to State Water Board Water Quality Order No. 2003-0017-DWQ which authorizes this Order to serve as Waste Discharge Requirements pursuant to the Porter-Cologne Water Quality Control Act (Water Code, section 13000 et seq.).

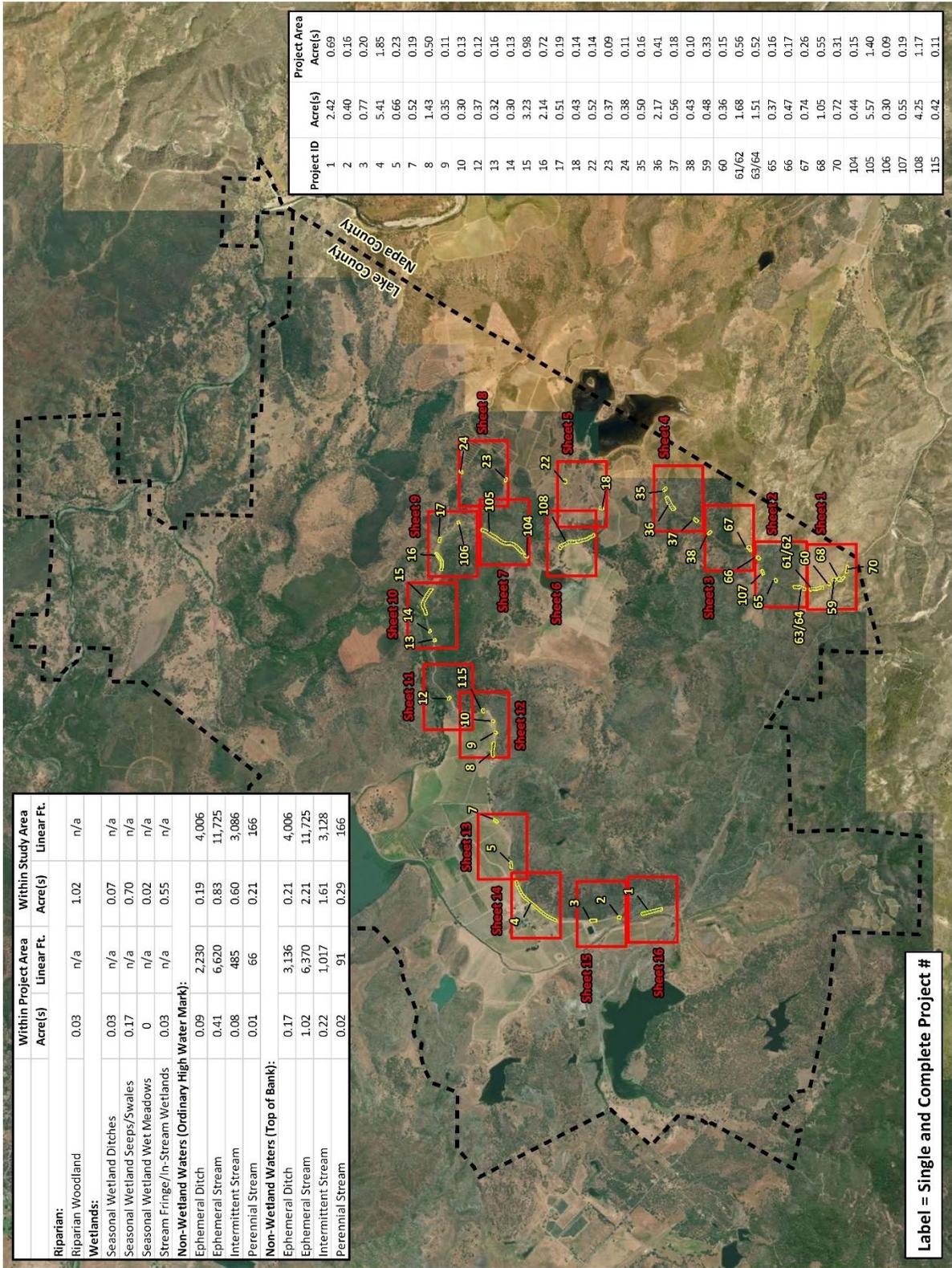
Except insofar as may be modified by any preceding conditions, all Order actions are contingent on: (a) the discharge being limited and all proposed mitigation being completed in strict compliance with the conditions of this Order and the attachments to this Order; and, (b) compliance with all applicable requirements of Statewide Water Quality Control Plans and Policies, the Regional Water Boards' Water Quality Control Plans and Policies.

Original Signed By James Marshall for:

Patrick Pulupa, Executive Officer
Central Valley Regional Water Quality Control Board

- Attachment A:** Project Map(s)
- Attachment B:** Receiving Waters, Impacts, and Mitigation Information
- Attachment C:** CEQA Findings of Facts
- Attachment D:** Report and Notification Requirements
- Attachment E:** Signatory Requirements
- Attachment F:** Certification Deviation Procedures

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Label = Single and Complete Project #

Sources: DigitalGlobe 2016 Aerial, WBA | Prepared By: mmochelle, 6/1/2020

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Receiving Waters, Impacts and Mitigation Information

The following table shows the receiving waters associated with each impact site.

Table 1: Receiving Water(s) Information

Non-Federal Waters	Impact Site ID	Waterbody Name	Impacted Aquatic Resources Type	Water Board Hydrologic Units	Receiving Waters	Receiving Waters Beneficial Uses	303d Listing Pollutant	California Rapid Assessment Method ID
No	1-1	Butts Creek	Stream channel	512.30 – Upper Putah Creek HA	Putah Creek	MUN, AGR, POW, REC-1, REC-2, WARM, COLD, SPWN, WILD	N/A	N/A
No	1-2	Butts Creek	Stream channel	512.30 – Upper Putah Creek HA	Putah Creek	MUN, AGR, POW, REC-1, REC-2, WARM, COLD, SPWN, WILD	N/A	N/A
No	1-3	Butts Creek	Stream channel	512.30 – Upper Putah Creek HA	Putah Creek	MUN, AGR, POW, REC-1, REC-2, WARM, COLD, SPWN, WILD	N/A	N/A

Non-Federal Waters	Impact Site ID	Waterbody Name	Impacted Aquatic Resources Type	Water Board Hydrologic Units	Receiving Waters	Receiving Waters Beneficial Uses	303d Listing Pollutant	California Rapid Assessment Method ID
No	1-4	Butts Creek	Stream channel	512.30 – Upper Putah Creek HA	Putah Creek	MUN, AGR, POW, REC-1, REC-2, WARM, COLD, SPWN, WILD	N/A	N/A
No	1-5	Butts Creek	Stream channel	512.30 – Upper Putah Creek HA	Putah Creek	MUN, AGR, POW, REC-1, REC-2, WARM, COLD, SPWN, WILD	N/A	N/A
No	1-6	Butts Creek	Stream channel	512.30 – Upper Putah Creek HA	Putah Creek	MUN, AGR, POW, REC-1, REC-2, WARM, COLD, SPWN, WILD	N/A	N/A
No	1-7	Butts Creek	Stream channel, Wetland	512.30 – Upper Putah Creek HA	Putah Creek	MUN, AGR, POW, REC-1, REC-2, WARM, COLD, SPWN, WILD	N/A	N/A

Non-Federal Waters	Impact Site ID	Waterbody Name	Impacted Aquatic Resources Type	Water Board Hydrologic Units	Receiving Waters	Receiving Waters Beneficial Uses	303d Listing Pollutant	California Rapid Assessment Method ID
No	1-8	Butts Creek	Stream channel	512.30 – Upper Putah Creek HA	Putah Creek	MUN, AGR, POW, REC-1, REC-2, WARM, COLD, SPWN, WILD	N/A	N/A
No	1-9	Butts Creek	Stream channel, Wetland	512.30 – Upper Putah Creek HA	Putah Creek	MUN, AGR, POW, REC-1, REC-2, WARM, COLD, SPWN, WILD	N/A	N/A
No	1-10	Butts Creek	Stream channel	512.30 – Upper Putah Creek HA	Putah Creek	MUN, AGR, POW, REC-1, REC-2, WARM, COLD, SPWN, WILD	N/A	N/A
No	1-11	Butts Creek	Stream channel	512.30 – Upper Putah Creek HA	Putah Creek	MUN, AGR, POW, REC-1, REC-2, WARM, COLD, SPWN, WILD	N/A	N/A

Non-Federal Waters	Impact Site ID	Waterbody Name	Impacted Aquatic Resources Type	Water Board Hydrologic Units	Receiving Waters	Receiving Waters Beneficial Uses	303d Listing Pollutant	California Rapid Assessment Method ID
No	1-12	Butts Creek	Stream channel	512.30 – Upper Putah Creek HA	Putah Creek	MUN, AGR, POW, REC-1, REC-2, WARM, COLD, SPWN, WILD	N/A	N/A
No	1-13	Butts Creek	Stream channel, Wetland	512.30 – Upper Putah Creek HA	Putah Creek	MUN, AGR, POW, REC-1, REC-2, WARM, COLD, SPWN, WILD	N/A	N/A
No	1-14	Butts Creek	Stream channel	512.30 – Upper Putah Creek HA	Putah Creek	MUN, AGR, POW, REC-1, REC-2, WARM, COLD, SPWN, WILD	N/A	N/A
No	2-1	Bucksnort Creek	Stream channel	512.30 – Upper Putah Creek HA	Putah Creek	MUN, AGR, POW, REC-1, REC-2, WARM, COLD, SPWN, WILD	N/A	N/A

Non-Federal Waters	Impact Site ID	Waterbody Name	Impacted Aquatic Resources Type	Water Board Hydrologic Units	Receiving Waters	Receiving Waters Beneficial Uses	303d Listing Pollutant	California Rapid Assessment Method ID
No	2-2	Bucksnort Creek	Stream channel	512.30 – Upper Putah Creek HA	Putah Creek	MUN, AGR, POW, REC-1, REC-2, WARM, COLD, SPWN, WILD	N/A	N/A
No	2-3	Bucksnort Creek	Stream channel	512.30 – Upper Putah Creek HA	Putah Creek	MUN, AGR, POW, REC-1, REC-2, WARM, COLD, SPWN, WILD	N/A	N/A
No	2-4	Bucksnort Creek	Stream channel	512.30 – Upper Putah Creek HA	Putah Creek	MUN, AGR, POW, REC-1, REC-2, WARM, COLD, SPWN, WILD	N/A	N/A
No	2-5	Bucksnort Creek	Stream channel	512.30 – Upper Putah Creek HA	Putah Creek	MUN, AGR, POW, REC-1, REC-2, WARM, COLD, SPWN, WILD	N/A	N/A

Non-Federal Waters	Impact Site ID	Waterbody Name	Impacted Aquatic Resources Type	Water Board Hydrologic Units	Receiving Waters	Receiving Waters Beneficial Uses	303d Listing Pollutant	California Rapid Assessment Method ID
No	3-1	Bucksnort Creek	Stream channel	512.30 – Upper Putah Creek HA	Putah Creek	MUN, AGR, POW, REC-1, REC-2, WARM, COLD, SPWN, WILD	N/A	N/A
No	3-2	Bucksnort Creek	Stream channel	512.30 – Upper Putah Creek HA	Putah Creek	MUN, AGR, POW, REC-1, REC-2, WARM, COLD, SPWN, WILD	N/A	N/A
No	3-3	Bucksnort Creek	Wetland	512.30 – Upper Putah Creek HA	Putah Creek	MUN, AGR, POW, REC-1, REC-2, WARM, COLD, SPWN, WILD	N/A	N/A
No	3-4	Bucksnort Creek	Stream channel	512.30 – Upper Putah Creek HA	Putah Creek	MUN, AGR, POW, REC-1, REC-2, WARM, COLD, SPWN, WILD	N/A	N/A

Non-Federal Waters	Impact Site ID	Waterbody Name	Impacted Aquatic Resources Type	Water Board Hydrologic Units	Receiving Waters	Receiving Waters Beneficial Uses	303d Listing Pollutant	California Rapid Assessment Method ID
No	3-5	Bucksnort Creek	Stream channel	512.30 – Upper Putah Creek HA	Putah Creek	MUN, AGR, POW, REC-1, REC-2, WARM, COLD, SPWN, WILD	N/A	N/A
No	3-6	Bucksnort Creek	Stream channel	512.30 – Upper Putah Creek HA	Putah Creek	MUN, AGR, POW, REC-1, REC-2, WARM, COLD, SPWN, WILD	N/A	N/A
No	3-7	Bucksnort Creek	Stream channel	512.30 – Upper Putah Creek HA	Putah Creek	MUN, AGR, POW, REC-1, REC-2, WARM, COLD, SPWN, WILD	N/A	N/A
No	3-8	Bucksnort Creek	Stream channel	512.30 – Upper Putah Creek HA	Putah Creek	MUN, AGR, POW, REC-1, REC-2, WARM, COLD, SPWN, WILD	N/A	N/A

Non-Federal Waters	Impact Site ID	Waterbody Name	Impacted Aquatic Resources Type	Water Board Hydrologic Units	Receiving Waters	Receiving Waters Beneficial Uses	303d Listing Pollutant	California Rapid Assessment Method ID
No	3-9	Bucksnort Creek	Stream channel	512.30 – Upper Putah Creek HA	Putah Creek	MUN, AGR, POW, REC-1, REC-2, WARM, COLD, SPWN, WILD	N/A	N/A
No	3-10	Bucksnort Creek	Stream channel	512.30 – Upper Putah Creek HA	Putah Creek	MUN, AGR, POW, REC-1, REC-2, WARM, COLD, SPWN, WILD	N/A	N/A
No	3-11	Bucksnort Creek	Stream channel, Wetland	512.30 – Upper Putah Creek HA	Putah Creek	MUN, AGR, POW, REC-1, REC-2, WARM, COLD, SPWN, WILD	N/A	N/A
No	3-12	Bucksnort Creek	Stream channel	512.30 – Upper Putah Creek HA	Putah Creek	MUN, AGR, POW, REC-1, REC-2, WARM, COLD, SPWN, WILD	N/A	N/A

Non-Federal Waters	Impact Site ID	Waterbody Name	Impacted Aquatic Resources Type	Water Board Hydrologic Units	Receiving Waters	Receiving Waters Beneficial Uses	303d Listing Pollutant	California Rapid Assessment Method ID
No	3-13	Putah Creek	Stream channel, Wetland	512.30 – Upper Putah Creek HA	Putah Creek	MUN, AGR, POW, REC-1, REC-2, WARM, COLD, SPWN, WILD	N/A	N/A
No	3-14	Butcherknife Creek	Stream channel	512.30 – Upper Putah Creek HA	Putah Creek	MUN, AGR, POW, REC-1, REC-2, WARM, COLD, SPWN, WILD	N/A	N/A
No	3-15	Butcherknife Creek	Stream channel	512.30 – Upper Putah Creek HA	Putah Creek	MUN, AGR, POW, REC-1, REC-2, WARM, COLD, SPWN, WILD	N/A	N/A
No	3-16	Bucksnort Creek	Stream channel, Wetland	512.30 – Upper Putah Creek HA	Putah Creek	MUN, AGR, POW, REC-1, REC-2, WARM, COLD, SPWN, WILD	N/A	N/A

Non-Federal Waters	Impact Site ID	Waterbody Name	Impacted Aquatic Resources Type	Water Board Hydrologic Units	Receiving Waters	Receiving Waters Beneficial Uses	303d Listing Pollutant	California Rapid Assessment Method ID
No	3-17	Bucksnort Creek	Stream channel	512.30 – Upper Putah Creek HA	Putah Creek	MUN, AGR, POW, REC-1, REC-2, WARM, COLD, SPWN, WILD	N/A	N/A
No	3-18	Bucksnort Creek	Stream channel	512.30 – Upper Putah Creek HA	Putah Creek	MUN, AGR, POW, REC-1, REC-2, WARM, COLD, SPWN, WILD	N/A	N/A
No	3-19	Bucksnort Creek	Stream channel	512.30 – Upper Putah Creek HA	Putah Creek	MUN, AGR, POW, REC-1, REC-2, WARM, COLD, SPWN, WILD	N/A	N/A

Individual Direct Impact Locations

The following tables show individual impacts.

Table 2: Individual Temporary Fill/Excavation Impact Information

Impact Site ID	Latitude	Longitude	Indirect Impact Requiring Mitigation?	Acres	Cubic Yards	Linear Feet
1-1	38.7511°	-122.4651°	No	0.004		75
1-2	38.7511°	-122.4651°	No	0.006		90
1-3	38.7511°	-122.4651°	No	0.010		145
1-4	38.7511°	-122.4651°	No	0.002		29
1-5	38.7511°	-122.4651°	No	0.007		56
1-6	38.7511°	-122.4651°	No	0.009		135
1-7	38.7511°	-122.4651°	No	0.005		31
1-8	38.7511°	-122.4651°	No	0.001		36
1-9	38.7511°	-122.4651°	No	0.003		56
1-10	38.7511°	-122.4651°	No	0.006		35
1-11	38.7511°	-122.4651°	No	0.001		9
1-12	38.7511°	-122.4651°	No	0.004		58
1-13	38.7511°	-122.4651°	No	0.005		48
1-14	38.7511°	-122.4651°	No	0.004		47
2-1	38.7511°	-122.4651°	No	0.003		53

Impact Site ID	Latitude	Longitude	Indirect Impact Requiring Mitigation?	Acres	Cubic Yards	Linear Feet
2-2	38.7511°	-122.4651°	No			14
2-3	38.7511°	-122.4651°	No	0.009		104
2-4	38.7511°	-122.4651°	No	0.001		8
2-5	38.7511°	-122.4651°	No	0.001		13
3-1	38.7511°	-122.4651°	No	0.005		108
3-2	38.7511°	-122.4651°	No			1
3-3	38.7511°	-122.4651°	No	0.011		
3-4	38.7511°	-122.4651°	No	0.054		303
3-5	38.7511°	-122.4651°	No	0.001		13
3-6	38.7511°	-122.4651°	No	0.002		31
3-7	38.7511°	-122.4651°	No			10
3-8	38.7511°	-122.4651°	No	0.002		28
3-9	38.7511°	-122.4651°	No	0.001		13
3-10	38.7511°	-122.4651°	No	0.009		108
3-11	38.7511°	-122.4651°	No	0.037		48
3-12	38.7511°	-122.4651°	No	0.003		60
3-13	38.7511°	-122.4651°	No			

Impact Site ID	Latitude	Longitude	Indirect Impact Requiring Mitigation?	Acres	Cubic Yards	Linear Feet
3-14	38.7511°	-122.4651°	No	0.001		9
3-15	38.7511°	-122.4651°	No	0.001		16
3-16	38.7511°	-122.4651°	No	0.031		93
3-17	38.7511°	-122.4651°	No	0.005		13
3-18	38.7511°	-122.4651°	No			2
3-19	38.7511°	-122.4651°	No	0.001		10

Table 3: Individual Permanent Fill/Excavation Impact Information

Impact Site ID	Latitude	Longitude	Indirect Impact Requiring Mitigation?	Acres	Cubic Yards	Linear Feet
1-1	38.7511°	-122.4651°	No			
1-2	38.7511°	-122.4651°	No	0.015		134
1-3	38.7511°	-122.4651°	No	0.012		92
1-4	38.7511°	-122.4651°	No	0.003		51
1-5	38.7511°	-122.4651°	No	0.023		210
1-6	38.7511°	-122.4651°	No	0.014		206

Impact Site ID	Latitude	Longitude	Indirect Impact Requiring Mitigation?	Acres	Cubic Yards	Linear Feet
1-7	38.7511°	-122.4651°	No	0.012		50
1-8	38.7511°	-122.4651°	No	0		36
1-9	38.7511°	-122.4651°	No	0.116		64
1-10	38.7511°	-122.4651°	No	0.005		106
1-11	38.7511°	-122.4651°	No	0.001		8
1-12	38.7511°	-122.4651°	No	0.001		9
1-13	38.7511°	-122.4651°	No	0.027		493
1-14	38.7511°	-122.4651°	No	0.003		37
2-1	38.7511°	-122.4651°	No	0.096		1,573
2-2	38.7511°	-122.4651°	No	0.001		56
2-3	38.7511°	-122.4651°	No	0.081		1,651
2-4	38.7511°	-122.4651°	No	0.002		21
2-5	38.7511°	-122.4651°	No	0.003		26
3-1	38.7511°	-122.4651°	No	0.074		1,354
3-2	38.7511°	-122.4651°	No	0.005		217
3-3	38.7511°	-122.4651°	No	0.014		
3-4	38.7511°	-122.4651°	No	0.008		44

Impact Site ID	Latitude	Longitude	Indirect Impact Requiring Mitigation?	Acres	Cubic Yards	Linear Feet
3-5	38.7511°	-122.4651°	No	0.001		24
3-6	38.7511°	-122.4651°	No	0.003		41
3-7	38.7511°	-122.4651°	No	0.001		12
3-8	38.7511°	-122.4651°	No	0.002		31
3-9	38.7511°	-122.4651°	No	0.001		22
3-10	38.7511°	-122.4651°	No	0.009		150
3-11	38.7511°	-122.4651°	No	0.053		34
3-12	38.7511°	-122.4651°	No	0.003		63
3-13	38.7511°	-122.4651°	No	0.060		51
3-14	38.7511°	-122.4651°	No	0.002		31
3-15	38.7511°	-122.4651°	No	0.002		36
3-16	38.7511°	-122.4651°	No	0.020		84
3-17	38.7511°	-122.4651°	No	0.003		22
3-18	38.7511°	-122.4651°	No	0.008		169
3-19	38.7511°	-122.4651°	No	0.002		33

Compensatory Mitigation Information

The following table(s) show individual compensatory mitigation information and locations.

In-Lieu Fee Compensatory Mitigation Information

In-Lieu Fee Program Name: National Fish and Wildlife Foundation - Sacramento District California In-Lieu Fee Program Website: https://www.nfwf.org
In-Lieu Fee Program Contact Name: Christopher Gurney Phone: (202) 857-0166 Email: Christopher.Gurney@nfwf.org
In-Lieu Fee Program Location - County: Lake Latitude: TBD Longitude: TBD

Table 4: Mitigation Type Information

Aquatic Resource Credit Type	Acres	Linear Feet	Number of Credits Purchased
Stream Channel	0.42		
Wetland	0.27		

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A. Environmental Review

On 21 July 2020, Lake County, as lead agency, certified a Final Environmental Impact Report (FEIR) (State Clearinghouse (SCH) No. 2019049134) for the Project and filed a Notice of Determination (NOD) at the SCH on 22 July 2020. The Central Valley Water Board is a responsible agency under CEQA (Public Resources Code, section 21069) and in making its determinations and findings, must presume that Lake County's certified environmental document comports with the requirements of CEQA and is valid. (Public Resources Code, section 21167.3). The Central Valley Water Board has reviewed and considered the environmental document and finds that the environmental document prepared by Lake County addresses the Project's water quality impacts. (California Code of Regulations, Title 14, section 15096, subd. (f).) The environmental document includes the mitigation monitoring and reporting program (MMRP) developed by Lake County for all mitigation measures that have been adopted for the Project to reduce potential significant impacts. (Public Resources Code, section 21081.6, subd. (a)(1); California Code of Regulations, Title 14, section 15091, subd. (d).)

B. Incorporation by Reference

Pursuant to CEQA, these Findings of Facts (Findings) support the issuance of this Order based on the Project FEIR, the application for this Order, and other supplemental documentation.

The Program Environmental Impact Report (EIR), which includes analyses of broad impacts and serves as a first tier document for the FEIR, is available at: [Guenoc Valley Mixed Use Project \(lakecountyca.gov\)](http://lakecountyca.gov).

All CEQA project impacts, including those discussed in subsection C below, are analyzed in detail in the Project FEIR which is incorporated herein by reference. The Project FEIR is available at: [Guenoc Valley Mixed Use Project \(lakecountyca.gov\)](http://lakecountyca.gov).

Requirements under the purview of the Central Valley Water Board in the MMRP are incorporated herein by reference.

The Permittee's application for this Order, including all supplemental information provided, is incorporated herein by reference.

C. Findings

The FEIR describes the potential significant environmental effects to water quality. Having considered the whole of the record, including comments received during the public review process, the Central Valley Water Board makes the following findings:

- (1) Findings regarding impacts that will be mitigated to a less than significant level. (Public Resources Code, section 21081, subd. (a)(1); California Code of Regulations, Title 14, section 15091, subd. (a)(1).)

Changes or alterations have been required in, or incorporated into, the Project which avoid or substantially lessen the significant environmental effect as identified in the FEIR.

a.i. Potential Significant Effects: Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality; substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin; in flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation.

a.ii. Facts in Support of Finding: MM 3.9-1 – Storm Water Pollution Prevention Plan (SWPPP); MM 3.9-2 – Aggregate/Concrete Monitoring and Reporting Plan; MM 3.9-3 – Off-Site Groundwater Well Safe Yield Analysis and Monitoring; MM 3.9-4 – Floodplain Analysis; MM 3.9-5 – Inundation Mapping; MM 3.9-6 – Incorporation of Floodplains and Dam Inundation Zones in Site Plans.

- (2) Findings regarding significant water quality or supply impacts being authorized due to specific economic, legal, social, technological, or other considerations, including provision of employment opportunities for highly trained workers that cannot feasibly be mitigated to a less than significant level. (Public Resources Code, section 21081, subd. (a)(3); California Code of Regulations, Title 14, section 15091, subd. (a)(3).)

Specific economic, legal, social, technological, or other considerations, including provision of employment opportunities for highly trained workers, make infeasible the mitigation measures or project alternatives identified in the FEIR.

a.i. Significant Effects: Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance, as shown on maps prepared pursuant to the FMMP of the California Resources Agency, to non-agricultural use; substantially adverse effect, either directly through habitat modifications or indirectly, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by CDFW or USFWS; substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by CDFW or USFWS; substantial adverse effect on state or federally protected wetlands through direct removal, filling, hydrological modification, or by other means; interfere substantially with the movement of any native resident or migratory wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites; conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance; conflict with the provisions of an adopted habitat conservation plan (HCP), natural community conservation plan, or other approved local, regional, or state habitat conservation plan; cumulative impacts to biological resources; traffic

noise could generate a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies; cumulative traffic noise could generate a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies.

a.ii. Facts in Support of Finding: MM 3.2-2 – Agricultural Conservation; MM 3.4-1 Construction Best Management Practices; MM 3.4-2 – Worker Environmental Awareness Training; MM 3.4-3 – General Special-Status Plant Mitigation; MM 3.4-4 – American Badger Impacts; MM 3.4-5 – Ringtail Impacts; MM 3.4-6 – Bat Maternity Roosts and Special-Status Bat Impacts; MM 3.4-7 – Artificial Lighting Impacts – Construction and Operation; MM 3.4-8 – Special-Status Birds – Nesting; MM 3.4-9 – Special-Status Birds – Burrowing Owl; MM 3.4-10 – Western Pond Turtle Impacts – Construction; MM 3.4-11 – Foothill Yellow-Legged Frog Impacts – Construction; MM 3.4-12 – Invasive Species Management – Operation; MM 3.4-13 – Aquatic Habitat Public Signage; MM 3.4-14 – Future Phases Biological Review; MM 3.4-21 – Domestic Cat Predation; MM 3.9-1 – Storm Water Pollution Prevention Plan; MM 3.10-2 – Construction Noise Reduction; MM 3.4-15 - - Impacts to Sensitive Habitats; MM 3.4-16 – Oak Mitigation Plan; MM 3.4-17 – Aquatic Resources Protection and Management; MM 3.4-18 – Sensitive Habitat Impacts from Wildfire Clearing; MM 3.4-19 – Wildlife Movement – Fencing; MM 3.4-20 – Wildlife Movement – Future Phases.

D. Statement of Overriding Considerations

The Lake County FEIR identifies certain significant impacts to the environment that cannot be avoided or substantially lessened with the application of feasible mitigation measures or feasible alternatives. Because there are significant and unavoidable impacts the Central Valley Water Board provides this Statement of Overriding Considerations in compliance with CEQA. (Public Resources Code, section 21081, subd (b); California Code of Regulations, Title 14, section 15093.)

The significant and unavoidable impacts and the benefits related to implementing the Guenoc Valley Roads Phase 1A Project are disclosed in the Lake County FEIR, CEQA Findings of Fact, and Statement of Overriding Considerations. The unavoidable impacts to water quality are discussed in subsection C above.

The Central Valley Water Board has considered the economic, legal, social, technological, and other benefits of the Project against its significant unavoidable impacts to water quality and finds that the specific economic, legal, social, and technological benefits of implementing the Project outweigh the significant and unavoidable impacts to water quality.

E. Determination

The Central Valley Water Board has reviewed and considered the environmental document and supplemental information provided by the Lake County and has reached its own conclusion to approve this Project. The Central Valley Water Board will file a NOD with the SCH within five (5) working days from the issuance of this Order. (California Code of Regulations, Title 14, section 15096.)

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REPORTS AND NOTIFICATION REQUIREMENTS

I. Copies of this form

In order to identify your project, it is necessary to include a copy of the Project specific Cover Sheet below with your report; please retain for your records. If you need to obtain a copy of the Cover Sheet, you may download a copy of this Order as follows:

- A.** [Central Valley Regional Water Quality Control Board's Adopted Orders Web page](https://www.waterboards.ca.gov/centralvalley/board_decisions/adopted_orders/401_wqcerts/)
(https://www.waterboards.ca.gov/centralvalley/board_decisions/adopted_orders/401_wqcerts/)
- B.** Find your Order based on the County, Permittee, WDID No., and/or Project Name.

II. Report Submittal Instructions

- A.** Check the box on the Report and Notification Cover Sheet next to the report or notification you are submitting. **(See your Order for specific reports required for your Project)**
 - **Part A (Monthly & Annual Reports):** These reports will be submitted monthly and annually until a Notice of Project Complete Letter is issued.
 - **Part B (Project Status Notifications):** Used to notify the Central Valley Water Board of the status of the Project schedule that may affect Project billing.
 - **Part C (Conditional Notifications and Reports):** Required on a case by case basis for accidental discharges of hazardous materials, violation of compliance with water quality standards, notification of in-water work, or other reports.
- B.** Sign the Report and Notification Cover Sheet and attach all information requested for the Report Type.
- C.** Electronic Report Submittal Instructions:
 - Submit signed Report and Notification Cover Sheet and required information via email to: centralvalleysacramento@waterboards.ca.gov and cc: Angela.Nguyen-Tan@waterboards.ca.gov
 - Include in the subject line of the email:
ATTN: Angela Nguyen-Tan; Project Name; and WDID No. 5A17CR00180

III. Definition of Reporting Terms

- A. Active Discharge Period:** The active discharge period begins with the effective date of this Order and ends on the date that the Permittee receives a Notice of Completion of Discharges Letter or, if no post-construction monitoring is required, a Notice of Project Complete Letter. The Active Discharge Period includes all elements of the Project including site construction and restoration, and any Permittee responsible compensatory mitigation construction.
- B. Request for Notice of Completion of Discharges Letter:** This request by the Permittee to the Central Valley Water Board staff pertains to projects that have post construction monitoring requirements, e.g. if site restoration was required to be monitored for 5 years following construction. Central Valley Water Board staff will review the request and send a Completion of Discharges Letter to the Permittee upon approval. This letter will initiate the post-discharge monitoring period and a change in fees from the annual active discharge fee to the annual post-discharge monitoring fee.
- C. Request for Notice of Project Complete Letter:** This request by the Permittee to the Central Valley Water Board staff pertains to projects that either have completed post-construction monitoring and achieved performance standards or have no post-construction monitoring requirements, and no further Project activities are planned. Central Valley Water Board staff will review the request and send a Project Complete Letter to the Permittee upon approval. Termination of annual invoicing of fees will correspond with the date of this letter.
- D. Post-Discharge Monitoring Period:** The post-discharge monitoring period begins on the date of the Notice of Completion of Discharges Letter and ends on the date of the Notice of Project Complete Letter issued by the Central Valley Water Board staff. The Post-Discharge Monitoring Period includes continued water quality monitoring or compensatory mitigation monitoring.
- E. Effective Date:** 19 February 2021

IV. Map/Photo Documentation Information

When submitting maps or photos, please use the following formats.

A. Map Format Information:

Preferred map formats of at least 1:24000 (1" = 2000') detail (listed in order of preference):

- **GIS shapefiles:** The shapefiles must depict the boundaries of all project areas and extent of aquatic resources impacted. Each shape should be attributed with the extent/type of aquatic resources impacted. Features and boundaries should be accurate to within 33 feet (10 meters). Identify datum/projection used and if possible, provide map with a North American Datum of 1983 (NAD83) in the California Teale Albers projection in feet.

- **Google KML files** saved from Google Maps: My Maps or Google Earth Pro. Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted. Include URL(s) of maps. If this format is used include a spreadsheet with the object ID and attributed with the extent/type of aquatic resources impacted.
 - **Other electronic format** (CAD or illustration format) that provides a context for location (inclusion of landmarks, known structures, geographic coordinates, or USGS DRG or DOQQ). Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted. If this format is used include a spreadsheet with the object ID and attributed with the extent/type of aquatic resources impacted.
 - Aquatic resource maps marked on paper **USGS 7.5-minute topographic maps** or **Digital Orthophoto Quarter Quads (DOQQ)** printouts. Maps must show the boundaries of all project areas and extent/type of aquatic resources impacted. If this format is used include a spreadsheet with the object ID and attributed with the extent/type of aquatic resources impacted.
- B. Photo-Documentation:** Include a unique identifier, date stamp, written description of photo details, and latitude/longitude (in decimal degrees) or map indicating location of photo. Successive photos should be taken from the same vantage point to compare pre/post construction conditions.

V. Report and Notification Cover Sheet

Project: Guenoc Valley Roads Phase 1A Project
Permittee: Lotusland Investment Holdings, Inc.
WDID: 5A17CR00180
Reg. Meas. ID: 438859
Place ID: 867619
Order Effective Date: 19 February 2021
Order Expiration Date: 18 February 2026

VI. Report Type Submitted

A. Part A – Project Reporting

Report Type 1 Monthly Report
Report Type 2 Annual Report

B. Part B – Project Status Notifications

Report Type 3 Commencement of Construction
Report Type 4 Request for Notice of Completion of Discharges Letter
Report Type 5 Request for Notice of Project Complete Letter

C. Part C – Conditional Notifications and Reports

Report Type 6 Accidental Discharge of Hazardous Material Report
Report Type 7 Violation of Compliance with Water Quality Standards Report
Report Type 8 In-Water Work/Diversions Water Quality Monitoring Report
Report Type 9 Modifications to Project Report
Report Type 10 Transfer of Property Ownership Report
Report Type 11 Transfer of Long-Term BMP Maintenance Report

“I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.”

Print Name¹ **Affiliation and Job Title**

Signature **Date**

¹STATEMENT OF AUTHORIZATION (include if authorization has changed since application was submitted)

I hereby authorize _____ to act in my behalf as my representative in the submittal of this report, and to furnish upon request, supplemental information in support of this submittal.

Permittee's Signature **Date**

***This Report and Notification Cover Sheet must be signed by the Permittee or a duly authorized representative and included with all written submittals.**

A. Part A – Project Reporting

1. Report Type 1 - Monthly Report

- a. Report Purpose** - Notifies Central Valley Water Board staff of the Project status and environmental compliance activities on a monthly basis.
- b. When to Submit** - On the 1st day of each month after the submittal of the Commencement of Construction Notification until a Notice of Project Complete Letter is issued to the Permittee.
- c. Report Contents** -
 - i. Construction Summary

Describe Project progress and schedule including initial ground disturbance, site clearing and grubbing, road construction, site construction, and the implementation status of construction storm water Best Management Practices (BMPs). Best Management Practices (BMPs) is a term used to describe a type of water pollution or environmental control. If construction has not started, provide estimated start date.
 - ii. Event Summary

Describe distinct Project activities and occurrences, including environmental monitoring, surveys, and inspections.
 - iii. Photo Summary

Provide photos of Project activities. For each photo, include a unique site identifier, date stamp, written description of photo details, and latitude/longitude (in decimal degrees) or map indicating location of photo. Successive photos should be taken from the same vantage point to compare pre/post construction conditions.
 - iv. Compliance Summary
 - List name and organization of environmental surveyors, monitors, and inspectors involved with monitoring environmental compliance for the reporting period.
 - List associated monitoring reports for the reporting period.
 - Summarize observed incidences of non-compliance, compliance issues, minor problems, or occurrences.
 - Describe each observed incidence in detail. List monitor name and organization, date, location, type of incident, corrective action taken (if any), status, and resolution.

2. Report Type 2 - Annual Report

- a. **Report Purpose** - Notify the Central Valley Water Board staff of Project status during both the active discharge and post-discharge monitoring periods.
- b. **When to Submit** - Annual reports shall be submitted each year on the 1st day of March. Annual reports shall continue until a Notice of Project Complete Letter is issued to the Permittee.
- c. **Report Contents** - The contents of the annual report shall include the topics indicated below for each project period. Report contents are outlined in Annual Report Topics below.

During the Active Discharge Period

- **Topic 1: Construction Summary**
- **Topic 2: Mitigation for Temporary Impacts Status**
- **Topic 3: Compensatory Mitigation for Permanent Impacts Status**

During the Post-Discharge Monitoring Period

- **Topic 2: Mitigation for Temporary Impacts Status**
- **Topic 3: Compensatory Mitigation for Permanent Impacts Status**

- i. Annual Report Topic 1 - Construction Summary

When to Submit - With the annual report during the Active Discharge Period.

Report Contents - Project progress and schedule including initial ground disturbance, site clearing and grubbing, road construction, site construction, and the implementation status of construction storm water best management practices (BMPs). If construction has not started, provide estimated start date and reasons for delay.

- 1) Map showing general Project progress.
- 2) If applicable:
 - a) Summary of Conditional Notification and Report Types 6 and 7 (Part C below).
 - b) Summary of Certification Deviations. See Certification Deviation Attachment for further information.

- ii. Annual Report Topic 2 - Mitigation for Temporary Impacts Status

When to Submit - With the annual report during both the Active Discharge Period and Post-Discharge Monitoring Period.

Report Contents -

- 1) Planned date of initiation and map showing locations of mitigation for temporary impacts to waters of the state and all upland areas of temporary disturbance which could result in a discharge to waters of the state.
- 2) If mitigation for temporary impacts has already commenced, provide a map and information concerning attainment of performance standards contained in the restoration plan.
- iii. Annual Report Topic 3 - Compensatory Mitigation for Permanent Impacts Status

When to Submit - With the annual report during both the Active Discharge Period and Post-Discharge Monitoring Period.

Report Contents - *If not applicable report N/A.

1) Part A. Permittee Responsible

- a) Planned date of initiation of compensatory mitigation site installation.
- b) If installation is in progress, a map of what has been completed to date.
- c) If the compensatory mitigation site has been installed, provide a final map and information concerning attainment of performance standards contained in the compensatory mitigation plan.

2) Part B. Mitigation Bank or In-Lieu Fee

- a) Status or proof of purchase of credit types and quantities.
- b) Include the name of bank/ILF Program and contact information.
- c) If ILF, location of project and type if known.

B. Part B – Project Status Notifications

1. Report Type 3 - Commencement of Construction

- a. **Report Purpose** - Notify Central Valley Water Board staff prior to the start of construction.
- b. **When to Submit** - Must be received at least seven (7) days prior to start of initial ground disturbance activities.
- c. **Report Contents** -
 - i. Date of commencement of construction.
 - ii. Anticipated date when discharges to waters of the state will occur.
 - iii. Project schedule milestones including a schedule for onsite compensatory mitigation, if applicable.

- iv. Construction Storm Water General Permit WDID No.
- v. Proof of purchase of compensatory mitigation for permanent impacts from the mitigation bank or in-lieu fee program.

2. Report Type 4 - Request for Notice of Completion of Discharges Letter

- a. Report Purpose** - Notify Central Valley Water Board staff that post-construction monitoring is required and that active Project construction, including any mitigation and permittee responsible compensatory mitigation, is complete.
- b. When to Submit** - Must be received by Central Valley Water Board staff within thirty (30) days following completion of all Project construction activities.
- c. Report Contents** -
 - i. Status of storm water Notice of Termination(s), if applicable.
 - ii. Status of post-construction storm water BMP installation.
 - iii. Pre- and post-photo documentation of all Project activity sites where the discharge of dredge and/or fill/excavation was authorized.
 - iv. Summary of Certification Deviation discharge quantities compared to initial authorized impacts to waters of the state, if applicable.
 - v. An updated monitoring schedule for mitigation for temporary impacts to waters of the state and permittee responsible compensatory mitigation during the post-discharge monitoring period, if applicable.

3. Report Type 5 - Request for Notice of Project Complete Letter

- a. Report Purpose** - Notify Central Valley Water Board staff that construction and/or any post-construction monitoring is complete, or is not required, and no further Project activity is planned.
- b. When to Submit** - Must be received by Central Valley Water Board staff within thirty (30) days following completion of all Project activities.
- c. Report Contents** -
 - i. Part A: Mitigation for Temporary Impacts
 - 1) A report establishing that the performance standards outlined in the restoration plan have been met for Project site upland areas of temporary disturbance which could result in a discharge to waters of the state.
 - 2) A report establishing that the performance standards outlined in the restoration plan have been met for restored areas of temporary impacts to waters of the state. Pre- and post-photo documentation of all restoration sites.

- ii. Part B: Permittee Responsible Compensatory Mitigation
 - 1) A report establishing that the performance standards outlined in the compensatory mitigation plan have been met.
 - 2) Status on the implementation of the long-term maintenance and management plan and funding of endowment.
 - 3) Pre- and post-photo documentation of all compensatory mitigation sites.
 - 4) Final maps of all compensatory mitigation areas (including buffers).
- iii. Part C: Post-Construction Storm Water BMPs and Monitoring
 - 1) Date of storm water Notice of Termination(s), if applicable.
 - 2) Report status and functionality of all post-construction BMPs.
 - 3) Dates and report of visual post-construction inspection during the rainy season as indicated in XIV.C.4.

C. Part C – Conditional Notifications and Reports

1. Report Type 6 - Accidental Discharge of Hazardous Material Report

- a. **Report Purpose** - Notifies Central Valley Water Board staff that an accidental discharge of hazardous material has occurred.
- b. **When to Submit** - Within five (5) working days of notification to the Central Valley Water Board of an accidental discharge. Continue reporting as required by Central Valley Water Board staff.
- c. **Report Contents** -
 - i. The report shall include the OES Incident/Assessment Form, a full description and map of the accidental discharge incident (i.e. location, time and date, source, discharge constituent and quantity, aerial extent, and photo documentation). If applicable, the OES Written Follow-Up Report may be substituted.
 - ii. If applicable, any required sampling data, a full description of the sampling methods including frequency/dates and times of sampling, equipment, locations of sampling sites.
 - iii. Locations and construction specifications of any barriers, including silt curtains or diverting structures, and any associated trenching or anchoring.

2. Report Type 7 - Violation of Compliance with Water Quality Standards Report

- a. **Report Purpose** - Notifies Central Valley Water Board staff that a violation of compliance with water quality standards has occurred.

c. Report Contents -

- i. A statement that the Permittee has provided the purchaser with a copy of this Order and that the purchaser understands and accepts:
 - 1) the Order's requirements and the obligation to implement them or be subject to administrative and/or civil liability for failure to do so; and
 - 2) responsibility for compliance with any long-term BMP maintenance plan requirements in this Order. Best Management Practices (BMPs) is a term used to describe a type of water pollution or environmental control
- ii. A statement that the Permittee has informed the purchaser to submit a written request to the Central Valley Water Board to be named as the permittee in a revised order.

6. Report Type 11 - Transfer of Long-Term BMP Maintenance Report

- a. Report Purpose** - Notifies Central Valley Water Board staff of transfer of long-term BMP maintenance responsibility.
- b. When to Submit** - At least 10 days prior to the transfer of BMP maintenance responsibility.
- c. Report Contents** - A copy of the legal document transferring maintenance responsibility of post-construction BMPs.

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SIGNATORY REQUIREMENTS

All Documents submitted in compliance with this Order shall meet the following signatory requirements:

- A.** All applications, reports, or information submitted to the Central Valley Water Quality Control Board (Central Valley Water Board) must be signed and certified as follows:
 - 1.** For a corporation, by a responsible corporate officer of at least the level of vice-president.
 - 2.** For a partnership or sole proprietorship, by a general partner or proprietor, respectively.
 - 3.** For a municipality, or a state, federal, or other public agency, by either a principal executive officer or ranking elected official.

- B.** A duly authorized representative of a person designated in items 1.a through 1.c above may sign documents if:
 - 1.** The authorization is made in writing by a person described in items 1.a through 1.c above.
 - 2.** The authorization specifies either an individual or position having responsibility for the overall operation of the regulated activity.
 - 3.** The written authorization is submitted to the Central Valley Water Board Staff Contact prior to submitting any documents listed in item 1 above.

- C.** Any person signing a document under this section shall make the following certification:

“I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.”

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CERTIFICATION DEVIATION PROCEDURES

I. Introduction

These procedures are put into place to preclude the need for Order amendments for minor changes in the Project routing or location. Minor changes or modifications in project activities are often required by the Permittee following start of construction. These deviations may potentially increase or decrease impacts to waters of the state. In such cases, a Certification Deviation, as defined in Section M of the Order, may be requested by the Permittee as set forth below:

II. Process Steps

- A. Who may apply:** The Permittee or the Permittee's duly authorized representative or agent (hereinafter, "Permittee") for this Order.
- B. How to apply:** By letter or email to the 401 staff designated as the contact for this Order.
- C. Certification Deviation Request:** The Permittee will request verification from the Central Valley Water Board staff that the project change qualifies as a Certification Deviation, as opposed to requiring an amendment to the Order. The request should:
1. Describe the Project change or modification:
 - a. Proposed activity description and purpose;
 - b. Why the proposed activity is considered minor in terms of impacts to waters of the state;
 - c. How the Project activity is currently addressed in the Order; and,
 - d. Why a Certification Deviation is necessary for the Project.
 2. Describe location (latitude/longitude coordinates), the date(s) it will occur, as well as associated impact information (i.e., temporary or permanent, federal or non-federal jurisdiction, water body name/type, estimated impact area, etc.) and minimization measures to be implemented.
 3. Provide all updated environmental survey information for the new impact area.
 4. Provide a map that includes the activity boundaries with photos of the site.
 5. Provide verification of any mitigation needed according to the Order conditions.
 6. Provide any other information required by Central Valley Water Board staff to determine whether the Project change or modification necessitates additional environmental review. (California Code of Regulations, Title 14, sections 15061, 15162-15164.)
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D. Post-Discharge Certification Deviation Reporting:

1. Within 30 calendar days of completing the approved Certification Deviation activity, the Permittee will provide a post-discharge activity report that includes the following information:
 - a. Activity description and purpose;
 - b. Activity location, start date, and completion date;
 - c. Erosion control and pollution prevention measures applied;
 - d. The net change in impact area by water body type(s) in acres, linear feet and cubic yards;
 - e. Mitigation plan, if applicable; and,
 - f. Map of activity location and boundaries; post-construction photos.

E. Annual Summary Deviation Report:

1. Until a Notice of Completion of Discharges Letter or Notice of Project Complete Letter is issued, include in the Annual Project Report (see Construction Notification and Reporting attachment) a compilation of all Certification Deviation activities through the reporting period with the following information:
 - a. Site name(s);
 - b. Date(s) of Certification Deviation approval;
 - c. Location(s) of authorized activities;
 - d. Impact area(s) by water body type prior to activity in acres, linear feet and cubic yards, as originally authorized in the Order;
 - e. Actual impact area(s) by water body type in, acres, linear feet and cubic yards, due to Certification Deviation activity(ies);
 - f. The net change in impact area by water body type(s) in acres, linear feet and cubic yards; and
 - g. Mitigation to be provided (approved mitigation ratio and amount).