



Los Angeles Regional Water Quality Control Board

TENTATIVE WATER QUALITY ORDER NO. R4-2023-XXX WASTE DISCHARGE REQUIREMENTS

Effective Date: July 27, 2023
Program Type: Fill/Excavation
Project Type: Data Collection and Cleanup of Hazardous or Toxic Waste
Project: Ventura Oil Field (VOF) Impoundment Remedial Activities

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I. Order

This Order for Waste Discharge Requirements (Order) is issued at the request of Chevron EMC on behalf of Chevron U.S.A. (hereinafter Permittee) for the Project. This Order is for the purpose of assessing the approximate extents of hydrocarbon-containing impoundment and process with their remediation, as more fully described in the application submitted by the Permittee. The application was received on February 2, 2022. The application was deemed complete on October 10, 2022.

II. Public Notice

The Los Angeles Regional Water Quality Control Board (Los Angeles Water Board) provided public notice of the draft order pursuant to Water Code section 13167.5 from June 6, 2023 to July 6, 2023.

III. Project Purpose

The purpose of the Project is to assess and remediate areas containing hydrocarbon-containing impoundment materials in the Ventura Oil Field (VOF).

IV. Project Description

The VOF contains several impoundments from historic oilfield operations. These impoundments typically consist of clean soil, buttress fill, and a structure that retains hydrocarbon-containing drilling mud and drill cuttings. The Project proposes to define the approximate vertical and lateral extents of contaminated areas and use the information gathered to remediate the site.

The Project site is within the Arundell Barranca-Frontal Pacific Ocean hydrologic unit. The waterbodies within the Project include West Fork Hall Canyon and East Fork Hall Canyon. These tributaries are ephemeral, with short-term surface flows present immediately following storm events. Vegetation within the Project location mainly consists of fire-recovered mixed scrub supporting native species including giant wild rye, coyote brush, big saltbush, mulefat, blue elderberry, poison oak, mugwort, California sagebrush, purple sage, coast goldenbush, and Fish's milkwort.

Assessment Activities:

Impoundment assessment will be conducted using a combination of excavation test pits and drill holes. Discrete soil samples will be collected from the test pits and drill holes and submitted for chemical analyses.

Remediation Activities:

The remediation at the impoundment areas will consist of excavation to remove hydrocarbon-containing impoundment materials and the clean overlaying soil. The clean soil will be sampled for total petroleum hydrocarbons (TPH), total xylenes (BTEX),

polycyclic aromatic hydrocarbons (PAHs), and CAM-17 metals, and then stockpiled for reuse as backfill to restore the excavation area. Excavation activities will be completed using hydraulic earth moving equipment. The work will be conducted using a track-mounted excavator, track-mounted bulldozer, rubber-tire loader, rubber-track-mounted skid steer, water truck, and rubber-tire articulating off-road haul trucks.

The hydrocarbon-containing impoundment materials will be transported for bioremediation treatment at the permitted 1941 Reservoir Land Treatment Unit (LTU) located within the VOF.

Upon completion of excavation, confirmation soil samples will be collected from the bottom and sidewalls of the excavation area for chemical analyses to demonstrate that removal of hydrocarbon-containing material has been completed. Once the excavation is complete, the excavation area will be restored by backfilling with both treated materials from the onsite borrow area and the clean soil obtained from the site. Grading will be done in accordance with grading restoration plans under permit issued by Ventura County Public Works Department (VCPWD). Backfill will be placed and compacted to Ventura County Grading Ordinance standards and to grades that blend with adjacent topography and provide positive surface drainage away from the disturbed area.

Project Access:

Existing access routes from nearby paved or unpaved roads will be used to enter each Project location.

Project Impacts:

The temporary impact area of the Project locations within non-wetland waters of the state includes the portions of the planned excavations within the impoundments and the proposed access routes and laydown areas that intersect with each ephemeral channel. Temporary impacts to waters of the state total approximately 0.22 acres (2,250 linear feet) and include the excavation of approximately 337 cubic yards of clean soil within the channel cross-sections that will be stockpiled and replaced upon removal of the belowground impoundment materials. No permanent impacts to waters of the state will occur as a result of the Project.

Following recontouring, disturbance areas created at each location and their access routes will be restored as described in the Habitat Restoration and Monitoring Plan dated January 26, 2022, which is incorporated herein by reference. Restoration will consist of revegetation and erosion control efforts including revegetation with in-kind native species and installation of Best Management Practices (e.g., silt fencing, wattles, etc.). The Project will occur during the dry season, when no surface flows are anticipated to be present.

The duration of the Project is estimated to be 9 months yearly over a 5-year period.

V. Project Location

The Ventura Oil Field comprises approximately 856 acres. The Project area is located within the eastern portion of the Ventura Oil Field, north of the City of San Buenaventura, approximately 3.6 miles northeast of the intersection of Poli Street and Hall Canyon Road within the western portion of Ventura County, California. The Project area is located within the West and East Forks of Hall Canyon.

Latitude: 34.326040 and Longitude: -119.249168

Latitude: 34.3251991 and Longitude: -119.2514963

Latitude: 34.3251081 and Longitude: -119.2502491

Latitude: 34.3234268 and Longitude: -119.2428041

Latitude: 34.3271371 and Longitude: -119.2419382

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 Los Angeles Water Board. Receiving waters and groundwater potentially impacted by this Project are protected in accordance with the applicable water quality control plan (Basin Plan) for the region and other plans and policies which may be accessed online at:

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.

Receiving Water: Hall Canyon (Hydrologic Unit Code:180701010203)

Designated Beneficial Uses: NAV, REC-1, REC-2, COMM, WARM, MAR, WILD

VII. Description of Direct Impacts to Waters of the State

Total Project fill/excavation quantities for all impacts are summarized in Table 1.

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

Aquatic Resources Type	Acres	Cubic Yards	Linear Feet
Stream Channel	0.22	337	2,250

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

IX. Avoidance and Minimization

The Project qualified as a tier 3 project and the Project is the least environmentally damaging practicable alternative. (State Wetland Definition and Procedures for Discharges of Dredged or Fill Material to Waters of the State, section IV.A.1.h).

The Project has no permanent impacts to aquatic resources and no impacts to rare, threatened or endangered species habitat in waters of the state, wetlands, eel grass beds, Outstanding National Resources Waters or Areas of Special Biological Significance.

X. Compensatory Mitigation

The Permittee is required to provide compensatory mitigation described in section XVI.H for temporary impacts resulting in temporal loss, and/or degradation of ecological condition.

XI. California Environmental Quality Act (CEQA)

The Los Angeles Water Board has determined that the Project is exempt from review under CEQA pursuant to California Water Code of Regulations, title 14, section 15061. Specifically, the issuance of this Order and the activities described herein meet the exemption criteria under California Code of Regulations title 14, sections 15301 (Class 1, Existing Facilities), and 15333 (Small Habitat Restoration Projects). Additionally, the Los Angeles Water Board concludes that no exceptions to the CEQA exemption apply to the activities approved by this Order.

XII. Human Right to Water Policy

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 contaminant levels designed to protect human health and ensure that water is safe for domestic use (Water Code section 106.3).

XIII. Petitions for Reconsideration

Any person aggrieved by this action of the Los Angeles Water Board may petition the State Water Board to review the action in accordance with Water Code section 13320 and title 23, California Code of Regulations, sections 2050 and following. The State Water Board must receive the petition by 5:00 p.m., 30 days after the date of this Order, except that if the thirtieth day following the date of this Order falls on a Saturday,

therefore do not include a physical loss of area or degradation of ecological condition.

Sunday, or state holiday, the petition must be received by the State Water Board by 5:00 p.m. on the next business day. Note that filing a petition does not stay the requirements of this Order. Copies of the law and regulations applicable to filing petitions will be provided upon request or may be found on the Internet at:

http://www.waterboards.ca.gov/public_notices/petitions/water_quality

XIV. Fees Received

An application fee of \$4,740 was received on January 31, 2022. The fee amount for the proposed Project has been 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 \$2,323 based on total Project impacts was received on 31 January 2022.

XV. Findings

1. This Order is adopted pursuant to the California Porter-Cologne Water Quality Control Act (Cal. Water Code § § 13000, et seq.). Discharges to waters of the state are prohibited except when in accordance with Water Code section 13264. Notwithstanding any determinations made by the U.S. Army Corps or other federal agency pursuant to 40 C.F.R. section 121.9, dischargers must comply with the entirety of this Order because the Order also serves as waste discharge requirements in accordance with State Water Board Water Quality General Order No. 2003-0017-DWQ. Discharges to waters of the state are prohibited except when in accordance with Water Code section 13264.
2. This Order also comports with section 401 of the Clean Water Act. In the event that federal definitions of Waters of the United States are amended to incorporate the waters of the state at issue in this Order, this Order may also constitute water quality certification for the proposed project.
3. Failure to comply with any condition of this Order shall constitute a violation of the Porter-Cologne Water Quality Control. The Permittee and/or discharger may then be subject to administrative and/or civil liability pursuant to Water Code section 13385.
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.
5. In response to a suspected violation of any condition of this Order, the 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.

6. This Order does not provide coverage under the Construction General Permit. As applicable, dischargers shall maintain compliance with conditions described in, and required by, NPDES General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities (Order No. 20090009-DWQ; NPDES No. CAS000002). For ground disturbing activities that do not require enrollment in Order No. 2009-0009-DWQ, project plans included with the NOI shall include appropriate erosion and sediment control measures as described in the *Best Management Practices* section below.

XVI. Conditions

The Los Angeles 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 Table 1.

B. Reporting and Notification Requirements

Requirements for the content of these reporting and notification types are detailed in Attachment C, 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 C, which must be signed by the Permittee or an authorized representative.

1. Project Reporting

- a. **Annual Reporting:** The Permittee shall submit an Annual Report each year on the anniversary of Project effective date. Annual Reporting requirements are detailed in Attachment C. Annual reporting 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.
- b. **Request for Notice of Project Complete Letter:** The Permittee shall submit a Request for Notice of Project Complete Letter when construction and any post-construction monitoring is complete,² and no further Project activities will occur. This request shall be submitted to Los Angeles Water Board staff within thirty (30) days following completion of all Project activities and any post-construction monitoring. Upon approval of the request, the Los Angeles Water Board staff shall issue a Notice of Project Complete Letter to the Permittee which will end the post discharge monitoring period and associated annual fees.

3. Conditional Notifications and Reports

The following notifications and reports are required as appropriate.

a. Accidental Discharges of Hazardous Materials³

Following an accidental discharge of a reportable quantity of a hazardous material, sewage, or an unknown material, the following applies (Wat. Code, § 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:
 - a. first call – 911 (to notify local response agency)

² Completion of post-construction monitoring shall be determined by Los Angeles Water Board staff and shall be contingent on successful attainment of restoration and mitigation performance criteria.

³ "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 & Saf. Code, § 25501.)

b. then call – Office of Emergency Services (OES) State Warning Center at:
(800) 852-7550 or (916) 845-8911

c. Lastly, follow the required OES procedures as set forth in:

[http://www.caloes.ca.gov/FireRescueSite/Documents/CalOES-Spill Booklet Feb2014 FINAL BW Acc.pdf](http://www.caloes.ca.gov/FireRescueSite/Documents/CalOES-Spill%20Booklet%20Feb2014%20FINAL%20BW%20Acc.pdf)

- ii. Following notification to OES, the Permittee shall notify the Los Angeles Water Board, as soon as practicable (ideally within 24 hours). Notification may be via telephone, e-mail, or delivered written notice.
- iii. Within five (5) working days of notification to the Los Angeles 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 Los Angeles Water Board of any event causing a violation of compliance with water quality standards. Notification may be via telephone, e-mail, or delivered written notice.

- i. Examples of noncompliance events include: lack of any reporting in a timely manner, lack of storm water treatment following a rain event, discharges causing a visible plume in a water of the state, water contact with uncured concrete, and exceedances of limits for the analytes for In-Water Work or Diversions listed below.
- ii. 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 or Diversion

- i. If stream diversion will be necessary, the Permittee shall submit to Los Angeles Water Board staff a Stream Diversion Plan, with a diagram and a narrative description of the method to divert the stream and associated BMPs for acceptance, at least 30 days in advance of any stream diversion.
- ii. During stream diversion and in-water work, water quality monitoring shall be conducted. Requirements for water quality monitoring are below.
- iii. The Permittee shall notify the Los Angeles Water Board at least forty-eight (48) hours prior to initiating work in water or stream diversions. Notification may be via telephone, e-mail, or delivered written notice.

d. Modifications to Project

Project modifications may require an amendment of this Order. The Permittee shall give advance notice to Los Angeles 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 Los Angeles Water Board staff of any Project modifications that will interfere with the Permittee's compliance with 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 receiving certification for the Project from the Los Angeles Water Board. In addition:

- i. The Permittee must notify the Los Angeles 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 Los Angeles Water Board at least 10 days prior to the transfer of ownership.
- ii. Until such time as a new Order has been issued, the Permittee shall continue to be responsible for all requirements set forth in this Order.

g. Mitigation Monitoring and Reporting Program

The Permittee shall adhere to all requirements in the mitigation monitoring and reporting program (MMRP) (Habitat Restoration and Monitoring Plan dated January 26, 2022) which is incorporated herein by reference.

C. Water Quality Monitoring

1. General

If surface water is present, continuous visual surface water monitoring shall be conducted to detect accidental discharge of construction related pollutants (e.g. oil and grease, turbidity plume, or uncured concrete).

2. Accidental Discharges/Noncompliance

Upon occurrence of an accidental discharge of hazardous materials or a violation of compliance with a water quality standard, Los Angeles 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

The proposed work may not occur when water is present in any of the tributaries. In the event an unexpected storm occurs during work, any discharge(s) to waters of the state shall conform to the following water quality standards:

- a. Oil and Grease. Waters shall not contain oils, greases, waxes or other materials in concentrations that result in a visible film or coating on the surface of the water or on objects in the water, that cause nuisance, or that otherwise adversely affect beneficial uses.
- b. Dissolved Oxygen. At a minimum, the mean annual dissolved oxygen concentration of all waters shall be greater than 7 mg/L, and no single determination shall be less than 5.0 mg/L, except when natural conditions cause lesser concentrations.

The dissolved oxygen content of all surface waters designated as WARM shall not be depressed below 5 mg/L as a result of waste discharges.

- c. pH. The pH of inland surface waters shall not be depressed below 6.5 or raised above 8.5 as a result of waste discharges. Ambient pH levels shall not be changed more than 0.5 units from natural conditions as a result of waste discharge.
- d. Turbidity. Downstream TSS shall be maintained at ambient levels. Where natural turbidity is between 0 and 50 Nephelometric Turbidity Units (NTU), increases shall not exceed 20%. Where natural turbidity is greater than 50 NTU, increases shall not exceed 10%.

Sampling shall be conducted in accordance with Table 2 sampling parameters.⁴

⁴ 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 Los Angeles 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.

Table 2: Sample Type and Frequency Requirements

Parameter	Unit of Measurement	Type of Sample	Minimum Frequency
Oil and Grease	N/A	Visual	Continuous
Dissolved Oxygen	mg/L and % saturation	Grab	Every 4 Hours
pH	Standard Units	Grab	Every 4 hours
Turbidity	NTU	Grab	Every 4 hours
Temperature	°F (or as °C)	Grab	Every 4 hours

Baseline sampling shall be conducted at a minimum of one location within the Project boundary for each phase. All other sampling shall take place at a minimum of two locations. In streams or flowing water, the sample locations shall be upstream and downstream of the Project. Results of the analyses shall be submitted to this Regional Board by the 15th day of each subsequent sampling month. A map or drawing indicating the locations of sampling points shall be included with each submittal. A summary of results shall discuss the analysis. Every measurement not meeting the compliance limits shall be accompanied by an explanation, the actions taken to correct the degradation to waters, and addressed in *Violation of Compliance with Water Quality Standards* report described above.

4. Post-Construction

Visually inspect the Project site during the rainy season for 5 years 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 Los Angeles Water Board staff member overseeing the Project within three (3) working days. The Los Angeles 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.

D. Standard Conditions

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 Los Angeles Water Board reserves the right to suspend, cancel, or modify and reissue this Order, after providing notice to the Permittee, if the Los Angeles 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 (Wat. Code, § 13000 et seq.) or federal Clean Water Act section 303 (33 U.S.C. § 1313).

2. 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.

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. 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 Los Angeles 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 Los Angeles 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. **Construction General Permit Requirement:** If enrolled, the Permittee shall maintain compliance with conditions described in, and required by, NPDES General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities (Order No. 2009-009-DWQ and NPDES No. CAS 000002 as amended by Order No. 2010-0014-DWQ, Order No. 2012-0006-DWQ, and any amendments thereto) (General Construction Permit).

F. Administrative

1. Signatory requirements for all document submittals required by this Order are presented in Attachment B 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 & G. Code, §§ 2050-2097) or the federal Endangered Species Act (16 U.S.C. §§ 1531-1544). If a “take” will result from any act authorized under this Order held by the Permittee, the Permittee must obtain authorization for the take 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 Los Angeles 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 and Streambed Alteration Agreement – The Permittee shall submit a signed copy of the Department of Fish and Wildlife’s lake and streambed

alteration agreement to the Los Angeles Water Board immediately upon execution and prior to any discharge to waters of the state.

7. This Order shall expire **five (5) years** from date of this Order. The Applicant shall submit a complete application at least 90 days prior to termination of this Order if renewal is requested.

G. Best Management Practices

1. Site Management

- a. The Permittee shall perform work when surface flows are absent, and no measurable rain is forecasted.
- b. The Permittee shall place silt fencing and straw wattles to ensure excavated materials are not introduced to the stream channel.
- c. The Permittee shall conduct all staging of equipment outside of the critical root zone of native trees in the vicinity. No native tree removals may occur.

2. Fugitive Dust

- a. The Permittee shall implement dust control measures for all stockpiles, including installation of rumble plates where needed, and street sweeping as necessary to control tracking out of sediment.
- b. The Permittee shall cease soil disturbing operations if high winds above 25 miles per hour are sustained for 5 minutes in an hour.

3. Hazardous Materials

- a. The Permittee shall remove hydrocarbon-containing material to eliminate the potential for its contamination to downstream reaches.
- b. All equipment maintenance, fueling and staging shall occur at a sufficient distance away from each channel to ensure water quality impacts are avoided, and appropriate secondary containment shall be used.
- c. The Permittee shall take out of service any leaking equipment until repaired.
- d. The Permittee shall clean up immediately any inadvertent spills of oil and grease.

4. Invasive Species and Soil Borne Pathogens
 - a. The Permittee shall properly dispose of all invasive plant material collected at each Project location to avoid re-establishment of these species. If required, waterway-safe herbicide shall be applied by a licensed applicator.
 - b. The Permittee shall certify or document as being weed free any straw, hay or other unprocessed plant material used for any purpose.
 - c. Using appropriate methods for known pathogens, the Permittee shall thoroughly clean any equipment entering or leaving the Project area from an area of known soil borne pathogen infestation.
5. In-Water Work
 - a. The Permittee shall divert away all surface waters, including ponded waters, from areas undergoing grading, construction, vegetation removal and/or any other activity which may result in a discharge to waters of the state.
6. Post-Construction Storm Water Management
 - a. The Permittee shall place silt fence, straw wattle and hydroseed application as post-construction storm water management and erosion control measures.
 - b. The Permittee shall perform soil compaction to sufficiently eliminate the potential for excessive erosion, but relative compaction shall be kept to 90 percent or less to provide suitable planting conditions.
7. Roads
 - a. The Permittee shall place fencing along access roads or laydown areas adjacent to jurisdictional drainages.
8. Sediment Control and Stabilization/Erosion Control
 - a. The Permittee shall implement erosion control BMPs including silt fencing, straw wattles, and hydroseed application, as needed, to ensure excavated materials are not introduced to each channel.
9. Wildlife and Special Status Species
 - a. The Permittee shall conduct pre-construction biological surveys along the margins of the Project locations and establish protective buffers for nesting birds.

- b. The Permittee shall perform biological monitoring to assess potential indirect impacts to adjacent wildlife behavior and recommend work adjustments to avoid these impacts.

10. Stormwater

- a. The Project shall comply with the local regulations associated with the Los Angeles Water Board’s Municipal Stormwater Permit issued to Los Angeles and Ventura County and co-permittees under NPDES No. CAS004004 and Waste Discharge Requirements Order No. R4-2021-0105 or subsequent order.
- b. If not enrolled in the General Construction Permit, the Permittee shall develop and implement a site-specific Storm Water Pollution Prevention Plan (SWPPP) and a Rain Event Action Plan (REAP) as described in the General Construction Permit.

H. On-site Mitigation for Temporary Impacts

1. The Permittee shall restore all areas of temporary impacts to waters of the state.
2. Restoration shall include grading of disturbed areas to pre-project contours and revegetation with native species according to the Habitat Restoration and Monitoring Plan dated January 26, 2022, which is incorporated herein by reference.
3. The Los Angeles Water Board may extend the monitoring period upon a determination by Los Angeles Water Board Executive Officer that the performance standards have not been met or are not likely to be met within the monitoring period.
4. 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.

Table 3: Required Project Mitigation Quantity for Temporary Impacts by Method

Aquatic Resource Type	Mitigation Type	Units	Rehabilitation
Stream Channel	Permittee Responsible	Acres	0.22

XVII. Conclusion

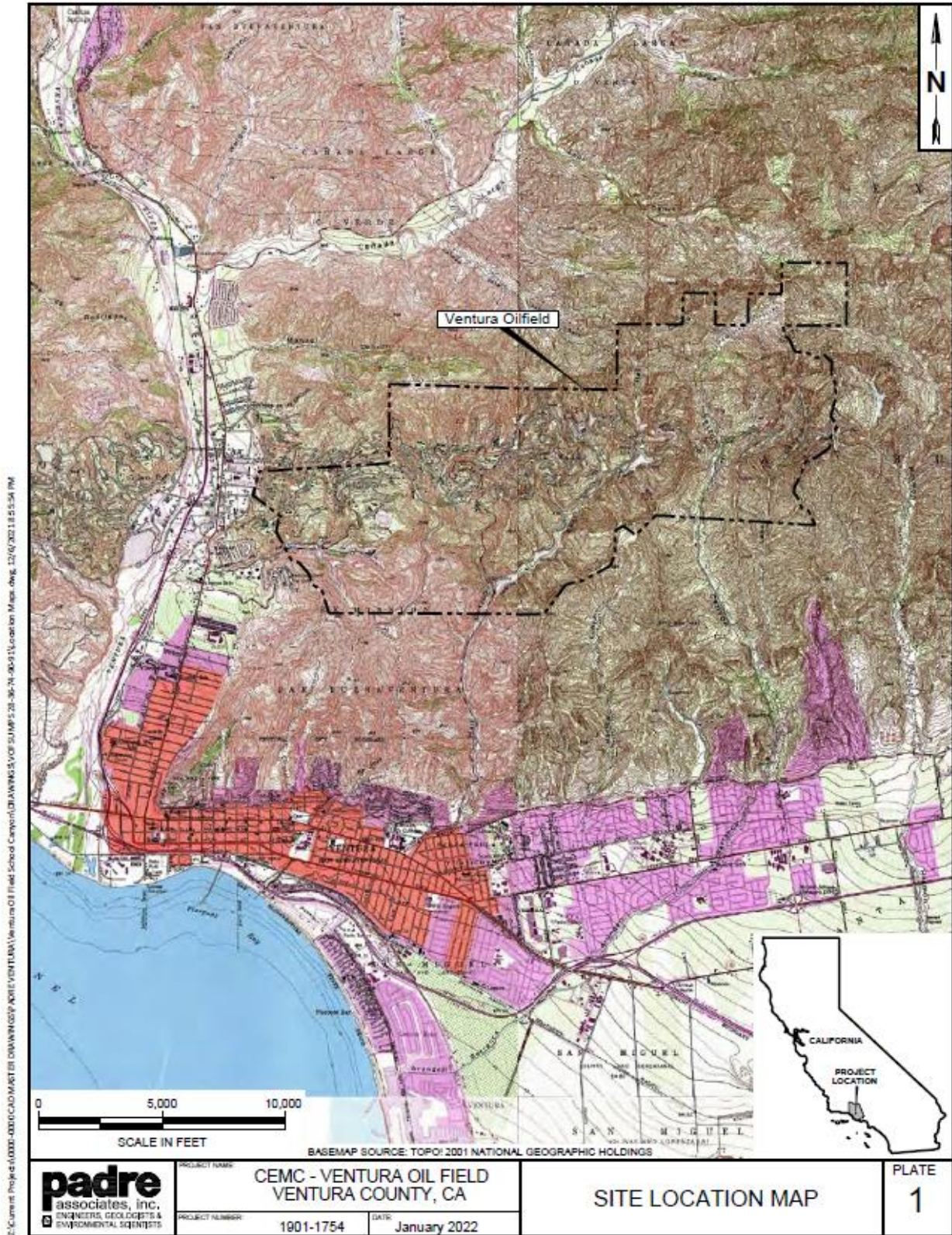
I hereby issue the Order for the Ventura Oil Field (VOF) Impoundment Remedial Activities 4WQC40122009, certifying that as long as all of the conditions listed in this Order are met, any discharge from the referenced Project will comply with the applicable provisions of Water Code section 13264 and Clean 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).

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.

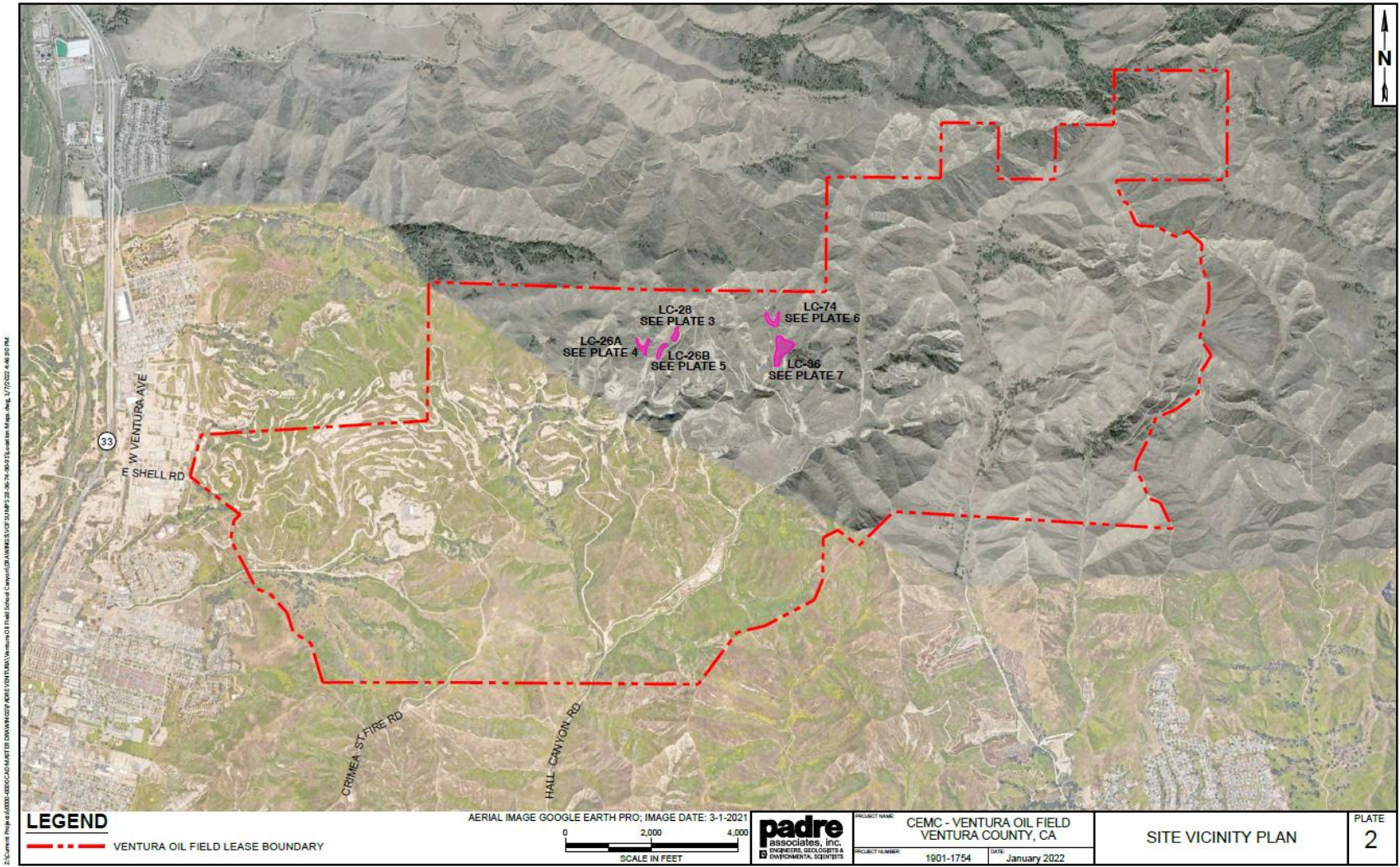
CERTIFICATION

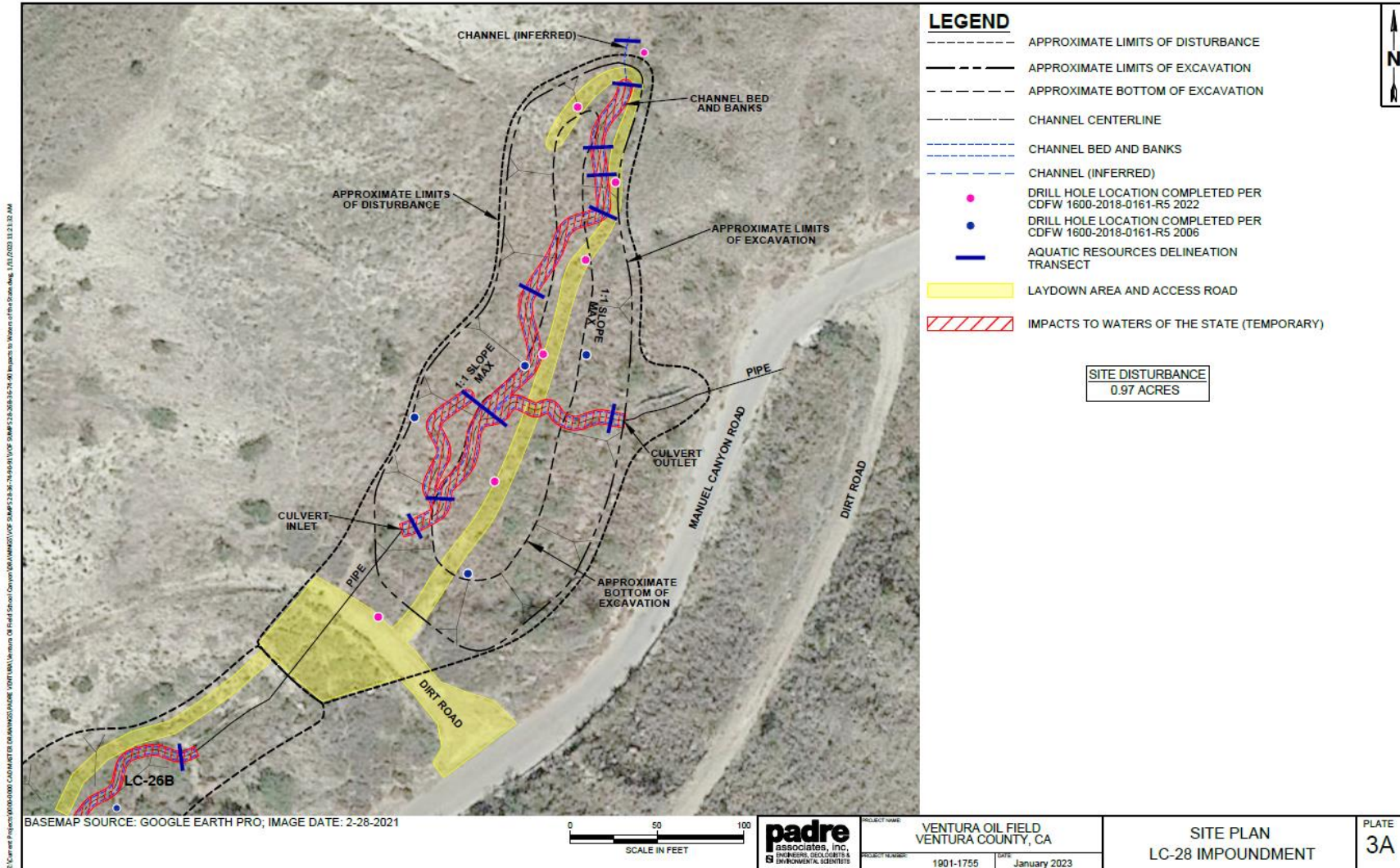
I, Susana Arredondo, do hereby certify that the foregoing is a full, true, and correct copy of waste discharge requirements adopted by WATER QUALITY ORDER NO. [XXXX-XXX] (WDID No. 4WQC40122009) adopted by the Los Angeles Water Board on July 27, 2023.

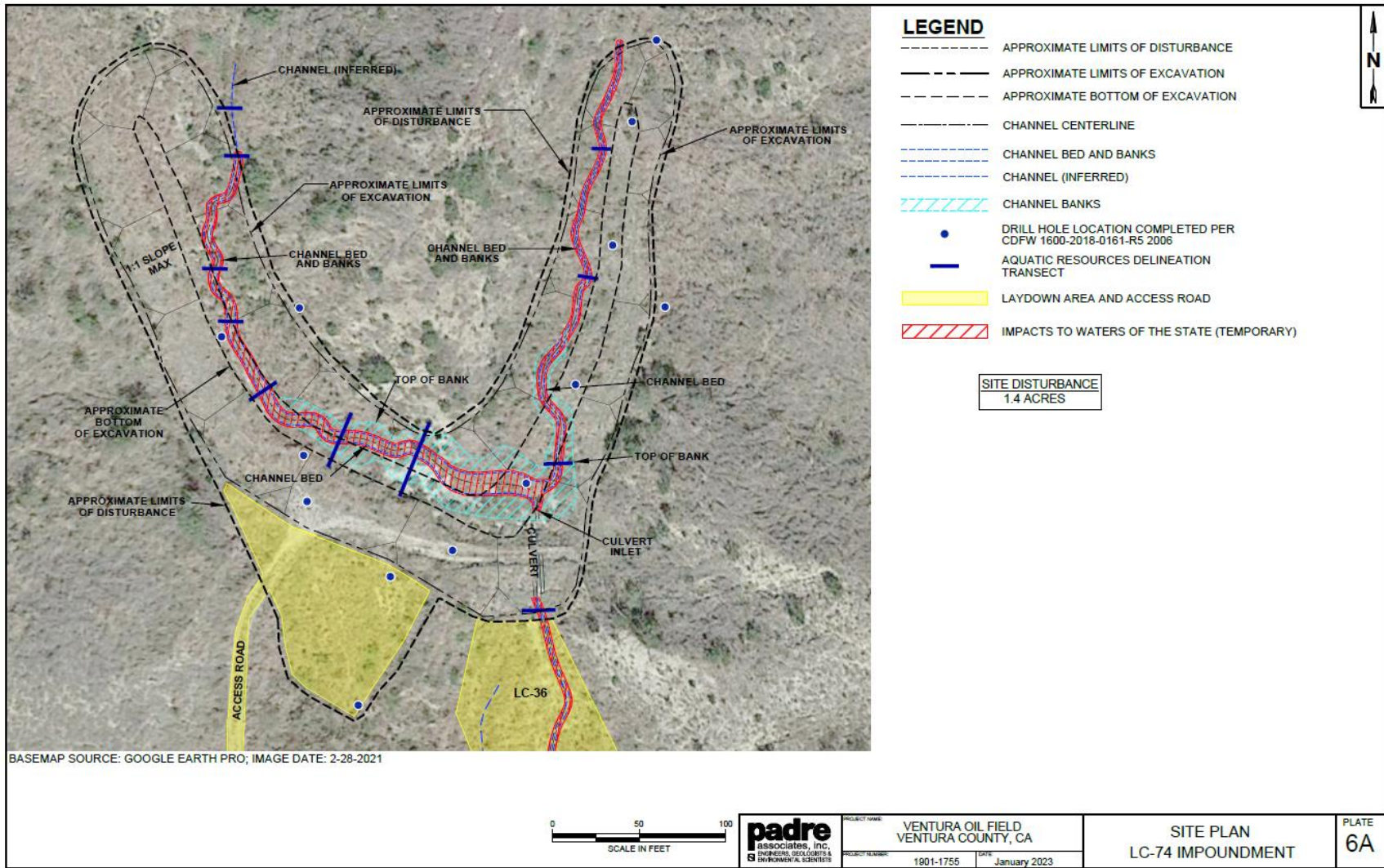
Susana Arredondo
Executive Officer
Los Angeles Water Quality Control Board

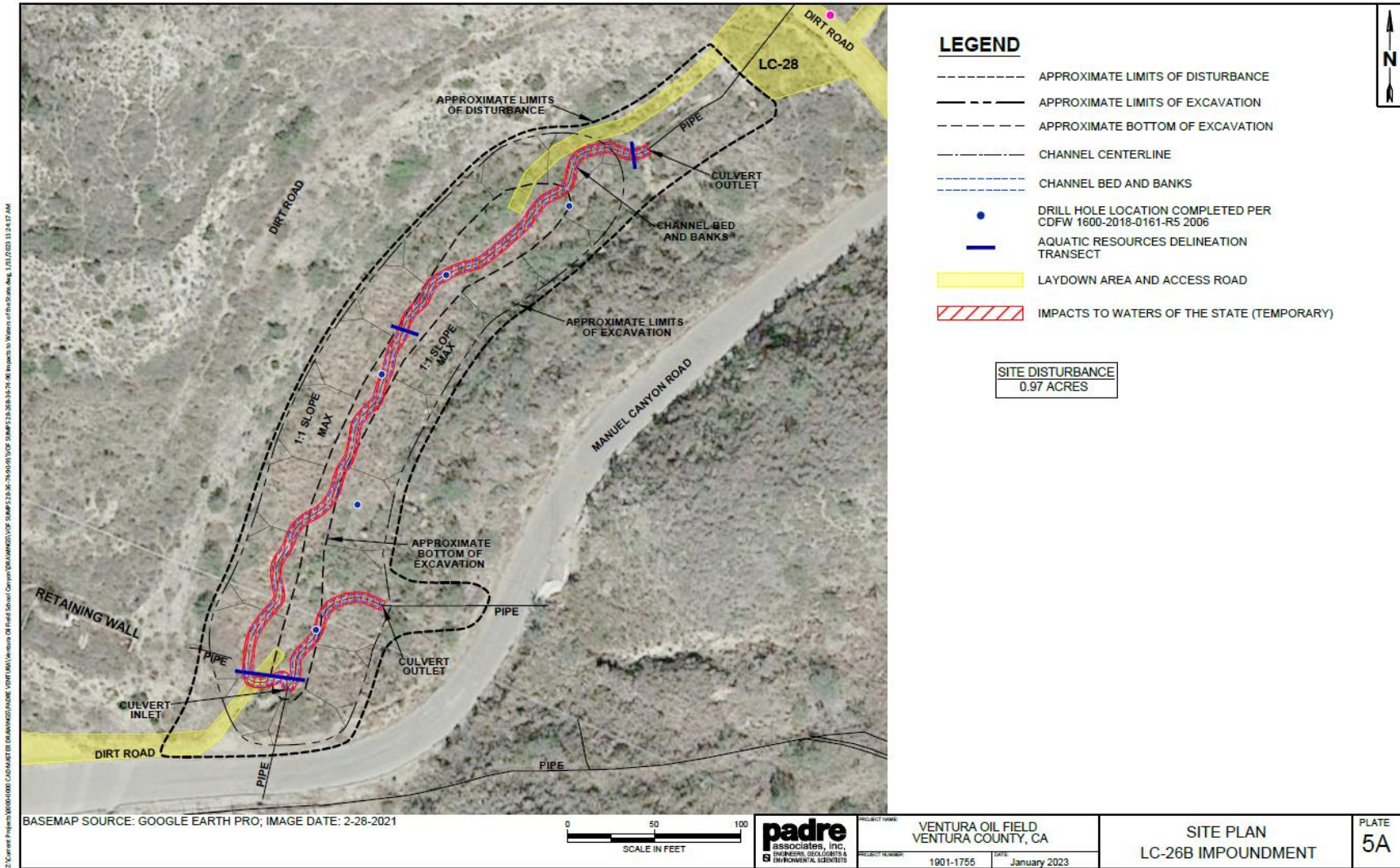


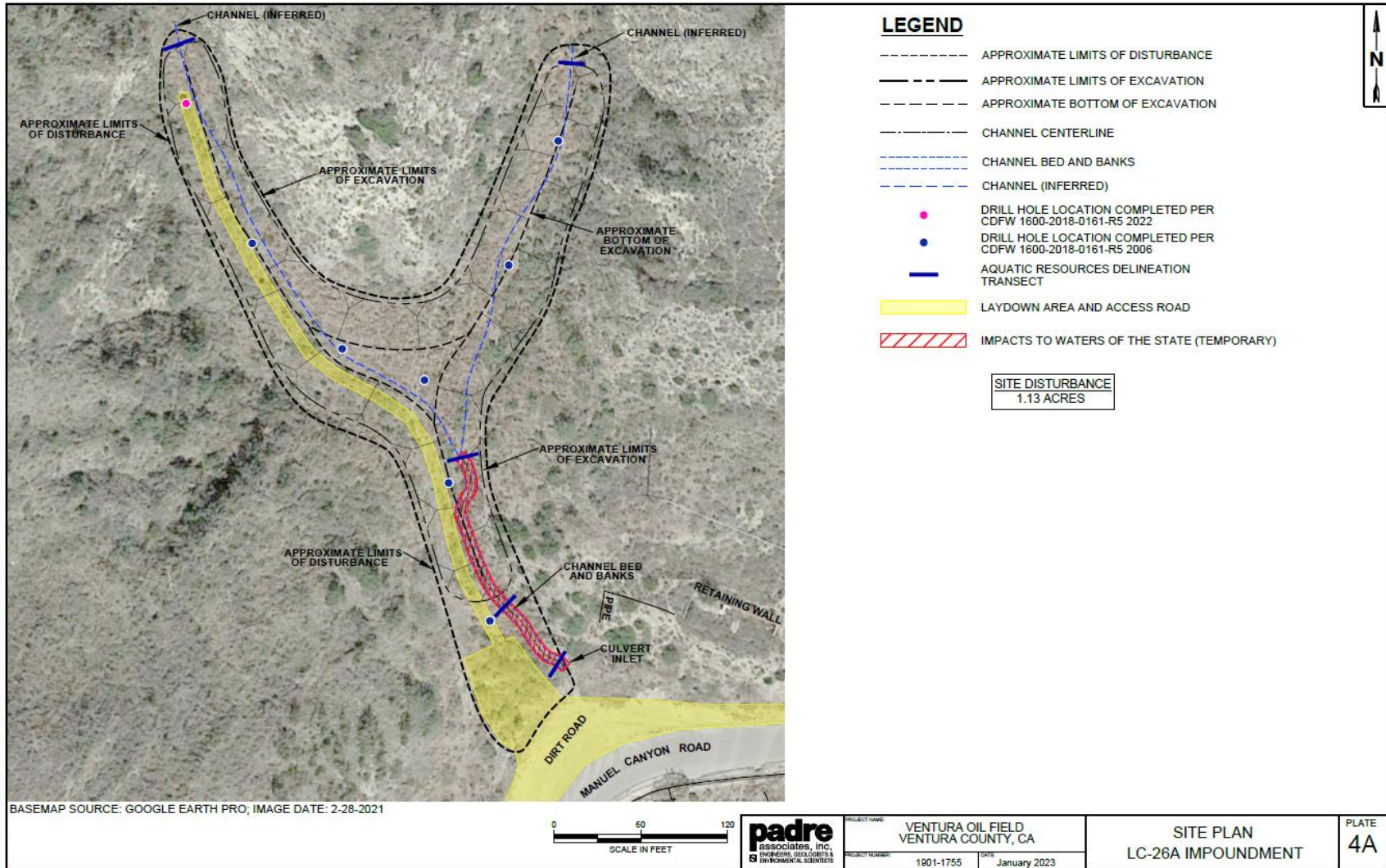
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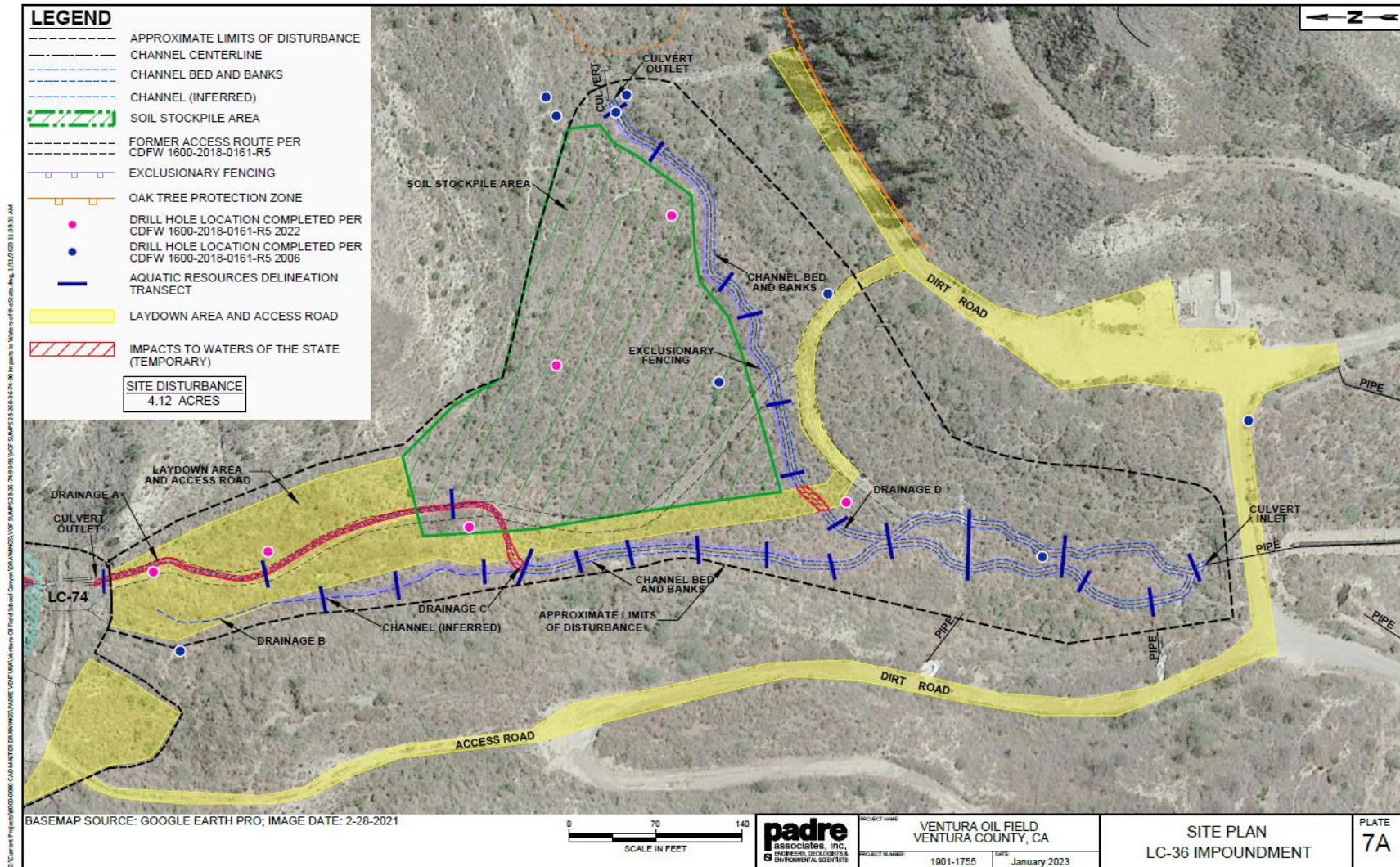












Attachment B
Signatory Requirements

SIGNATORY REQUIREMENTS

*All Documents Submitted In Compliance With This Order
Shall Meet The Following Signatory Requirements:*

1. All applications, reports, or information submitted to the Los Angeles Water Quality Control Board (Los Angeles Water Board) must be signed and certified as follows:
 - a) For a corporation, by a responsible corporate officer of at least the level of vice-president.
 - b) For a partnership or sole proprietorship, by a general partner or proprietor, respectively.
 - c) For a municipality, or a state, federal, or other public agency, by either a principal executive officer or ranking elected official.
2. A duly authorized representative of a person designated in items 1.a through 1.c above may sign documents if:
 - a) The authorization is made in writing by a person described in items 1.a through 1.c above.
 - b) The authorization specifies either an individual or position having responsibility for the overall operation of the regulated activity.
 - c) The written authorization is submitted to the Los Angeles Water Board Staff Contact prior to submitting any documents listed in item 1 above.
3. 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."

Attachment C
Report and Notification Requirements

Report and Notification Requirements

Copies of this Form: Include a copy of the Project specific Cover Sheet below with your report. Please retain a copy for your records.

Report Submittal Instructions:

1. Check the box on the Report and Notification Cover Sheet next to the report or notification you are submitting.
 - a) **Annual Report:** This report will be submitted annually from the anniversary of Project effective date until a Notice of Project Complete Letter is issued.
 - b) **Project Status Notifications:** Used to notify the Los Angeles Water Board of the status of the Project schedule that may affect Project billing.
 - 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.
2. Sign the Report and Notification Cover Sheet and attach all information requested for the Report Type.
3. **Electronic Report Submittal Instructions:**
 - a) Submit signed Report and Notification Cover Sheet and required information via email to: RB4-401Certification@waterboards.ca.gov.
 - b) Include in the subject line of the email: Subject: ATTN: Snejana Toneva; File No: 22-009, Reg. Measure ID: 446491 Report

Definition of Reporting Terms:

Active Discharge Period: The active discharge period begins with the effective date of this Order and includes all elements of the Project including site construction and restoration, and any Permittee responsible compensatory mitigation construction.

Post-Discharge Monitoring Period: The post-discharge monitoring period begins when all elements of the Project including site construction and restoration, and any Permittee responsible compensatory mitigation construction have taken place. The Post-Discharge Monitoring Period includes continued water quality monitoring of compensatory mitigation monitoring.

Request for Notice of Project Complete Letter: This request by the Permittee to the Los Angeles Water Board staff pertains to projects that have completed construction and/or any post-construction monitoring and achieved performance standards, and no further Project activities are planned. Los Angeles 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.

Effective Date: Date of Order issuance.

Map and Photo Documentation Information:

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

1. **Map Format Information:** preferred map formats of at least 1:24000 (1" = 2000') detail (listed in order of preference):
 - a. **GIS shapefiles.** The shapefiles must depict the boundaries of all protected 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 (NAD38) in the California Teale Albers projection in feet.
 - b. **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.
 - c. **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.
 - d. 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.
2. **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.

Project Reporting

A. Annual Report

Report Purpose:

Notify the Los Angeles Water Board staff of Project status during both the active discharge and post-discharge monitoring periods.

When to Submit:

Annual reports shall be submitted each year on the anniversary of Project effective date. Annual reports shall continue until a Notice of Project Complete Letter is issued to the Permittee.

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**

B. Annual Reporting Topics

1. 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 (BMPs¹). If construction has not started, provide estimated start date and reasons for delay.
- Color photos, pre-project and current.
- Map showing general Project progress.
- If applicable:
 - a. Summary of any conditional reports sent during the year such as “Accidental Discharge of Hazardous Material Report” or “Violation of Compliance with Water Quality Standards Report”.
 - b. Copies of revised permits from other agencies.
 - c. Compilation of all water quality monitoring results for the year in a spreadsheet format.

2. 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: *(If not applicable, report N/A)*

- 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.

¹ Best Management Practices (BMPs) is a term used to describe a type of water pollution or environmental control.

- If mitigation for temporary impacts has already commenced, provide a map and information concerning attainment of mitigation success.

3. Topic 3 – Compensatory Mitigation for Permanent Impact Status

When to Submit:

With the annual report during both the Active Discharge Period and Post-Discharge Monitoring Report.

Report Contents: *(If not applicable, report N/A)*

Part A – Permittee Responsible

- Planned date of initiation of compensatory mitigation site installation.
- If installation is in progress, a map of what has been completed to date.
- 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.

Part B – Mitigation Bank or In-Lieu Fee

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

Project Status Notifications

A. Commencement of Construction

Report Purpose:

Notify Los Angeles Water Board staff prior to the start of construction.

When to Submit:

Must be received at least seven (7) days prior to start of initial ground disturbance activities.

Report Contents:

- Date of commencement of construction.
- Anticipated date when discharges to waters of the state will occur.
- Project schedule milestones including a schedule for onsite compensatory mitigation, if applicable.

B. Request for Notice of Project Complete Letter

Report Purpose:

Notify Los Angeles Water Board staff that construction and/or post-construction monitoring is complete, or is not required, and no further Project activity is planned.

When to Submit:

Must be received by Los Angeles Water Board staff within thirty (30) days following completion of all Project activities.

Report Contents:

Part A – Project Construction

- Pre- and post-photo documentation of all Project activity sites where the discharge of dredge and/or fill/excavation was authorized.

Part B – Mitigation for Temporary Impacts

- A report establishing that areas of temporary impacts to waters of the state, and upland areas of temporary disturbance which could result in a discharge to waters of the state, have been successfully restored and all identified success criteria have been met. Pre- and post-photo documentation of all restoration sites.

Part C – Permittee Responsible Compensatory Mitigation

- A report establishing that the performance standards outlined in the compensatory mitigation plan have been met.
- Status on the implementation of the long-term maintenance and management plan and funding of endowment.
- Pre- and post-photo documentation of all compensatory mitigation sites.
- Final maps of all compensatory mitigation areas (including buffers).

Part D – Post-Construction Storm Water BMPs

- Date of storm water permit Notice of Termination(s), if applicable.
- Report status and functionality of all post-construction BMPs.

Conditional Notifications and Reports

A. Accidental Discharge of Hazardous Material Report

Report Purpose:

Notifies Los Angeles Water Board staff that an accidental discharge of hazardous material has occurred.

When to Submit:

Within five (5) working days following the date of an accidental discharge. Continue reporting as required by Los Angeles Water Board staff.

Report Contents:

- 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 quality, aerial extent, and photo documentation). If applicable, the OES Written Follow-Up Report may be substituted.
- 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.
- Locations and construction specifications of any barriers, including silt curtains or diverting structures, and any associated trenching or anchoring.

B. Violation of Compliance with Water Quality Standards Report

Report Purpose:

Notifies Los Angeles Water Board staff that a violation of compliance with water quality standards has occurred.

When to Submit:

The Permittee shall report any event that causes a violation of water quality standards within three (3) working days of the noncompliance event notification to Los Angeles Water Board staff.

Report Contents:

The report shall include: the cause; the location shown on a map; and the period of the noncompliance including exact dates and times. If the noncompliance has not been corrected, include: the anticipated time it is expected to continue; the steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance; and any monitoring results if required by Los Angeles Water Board staff.

C. In-Water Work and Diversions Water Quality Monitoring Report

Report Purpose:

Notifies Los Angeles Water Board staff of the completion of in-water work.

When to Submit:

Within three (3) working days following the completion of in-water work. Continue reporting in accordance with the approved water quality monitoring plan.

Report Contents:

As required by the approved water quality monitoring plan.

D. Modifications to Project Report

Report Purpose:

Notifies Los Angeles Water Board staff if the Project, 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.

When to Submit:

Prior to any alteration or modification of Project activities.

Report Contents:

A description and location of any alterations of Project activities. Identify any Project modifications that will interfere with the Permittee's compliance with the Order. Any alteration may require an Amendment, to be determined by Los Angeles Water Board staff.

E. Transfer of Property Ownership Report

Report Purpose:

Notifies Los Angeles Water Board staff of change in ownership of the Project or Permittee-responsible mitigation area.

When to Submit:

At least 10 working days prior to the transfer of ownership.

Report Contents:

- A statement that the Permittee has provided the purchaser with a copy of this Order and that the purchase understands and accepts:

- a) 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
 - b) responsibility for compliance with any long-term BMP maintenance plan requirements in this Order.
- A statement that the Permittee has informed the purchase to submit a written request to the Los Angeles Water Board to be named as the permittee in a revised order.

Report and Notification Cover Sheet*

Project: Ventura Oil Field (VOF) Impoundment Remedial Activities

Permittee: Chevron EMC on behalf of Chevron U.S.A.

Reg. Measure ID: 446491

Place ID: 879214

File No: 22-009

Report Type Submitted

Project Reporting

- Annual Report

Project Status Notifications

- Commencement of Construction
 Request for Notice of Project Complete Letter

Conditional Notifications and Reports

- Accidental Discharge of Hazardous Material Report
 Violation of Compliance with Water Quality Standards Report
 In-Water Work/Diversions Water Quality Monitoring Report
 Modifications to Project Report
 Transfer of Property Ownership 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 Name²

Affiliation and Job Title

Signature

Date

²STATEMENT 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.**