



Central Valley Regional Water Quality Control Board

29 August 2019

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California Department of Transportation
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Fairfield, CA 94533

Lance Concepcion
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CERTIFIED MAIL

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NOTICE OF APPLICABILITY

**WATER QUALITY ORDER 2003-0003-DWQ
STATEWIDE WASTE DISCHARGE REQUIREMENTS FOR DISCHARGES TO LAND
WITH A LOW THREAT TO WATER QUALITY
CALIFORNIA DEPARTMENT OF TRANSPORTATION AND GORDON N. BALL, INC
CAPELL CREEK BRIDGE REPLACEMENT PROJECT
NAPA COUNTY**

On 13 August 2019, the California Department of Transportation (Caltrans) and Gordon N. Ball, Inc (GNB) submitted a Notice of Intent (NOI) to obtain coverage under Water Quality Order 2003-0003-DWQ, *Statewide General Waste Discharge Requirements for Discharges to Land with a Low Threat to Water Quality* (hereafter General Order) for construction dewatering at the above-referenced project. The submittal contained all the information required to evaluate applicability of the General Order; therefore, the NOI is considered complete. Based on the information provided in the NOI, the discharge meets the conditions of the General Order. The discharge is hereby covered under State Water Resources Control Board (State Water Board) General Order 2003-0003-DWQ-0199. Please include this number on all correspondence related to this discharge.

PROJECT LOCATION AND DESCRIPTION

The Capell Creek Bridge Replacement Project (Project) includes replacement of the existing Capell Creek Bridge and installation of horizontal drains in the vicinity of the new bridge. The overall project location is on State Highway 128 at Post Mile 20.23 in Napa County, as shown in Attachment A. Dewatering operations are anticipated during the drilling for the new bridge piers. Dewatering activities are scheduled to begin in September of 2019; however, if the project is placed on winter suspension, project startup would occur in the Spring of 2020.

Encountered groundwater will be stored in portable storage tanks prior to being discharged within the project boundary for use as onsite dust control or application to vegetated areas with native grasses and trees. Approximately 27,750 square feet of land is available for land application, as shown in Attachment B. Anticipated volume of discharge is approximately 31,500 gallons per day (gpd) and is anticipated to occur for seven (7) days. Discharges will be contained within the project boundary; there is no anticipated direct discharge including indirect surface run-off to Capell Creek, surface waters, drainages courses, etc.

There are no known contaminants in the existing creek channel or within the project boundary. It is anticipated that water captured during the drilling operations will not be in contact with any concrete as the holes will be dewatered prior to the pouring of any concrete piles. Based on the 19 July 2019 *Dewatering and Discharge Plan* included in the NOI submittal, should there be speculated contamination between encountered groundwater and fresh concrete or shotcrete, the water will be analyzed for pH and turbidity. Testing, when applicable, will be performed at least once per day during construction operations and prior to land discharge. A pH concentration between 6.5 and 8.5 and a turbidity less than 50 NTU will be met prior to discharging the water to land. If the desired pH concentrations are not met, the water will be treated with muriatic acid or similar chemical in small increments until the desired pH is obtained.

Any sediment that accumulates within the portable storage tanks will be spread on site within the new roadway prism or hauled off-site to a permitted disposal facility.

The Water Quality Control Plan for the Sacramento River and San Joaquin River Basins, Fifth Edition, revised May 2018 (hereafter Basin Plan), designates beneficial uses, establishes water quality objectives, contains implementation plans and policies for protecting waters of the basin, and incorporates by reference plans and policies adopted by the State Water Board. Pursuant to §13263(a) of the California Water Code (CWC), waste discharge requirements must implement the Basin Plan.

FACILITY-SPECIFIC REQUIREMENTS

The General Order and this Notice of Applicability (NOA) regulates construction dewatering and reuse of the water for the Capell Creek Bridge Replacement Project.

1. Water generated during construction dewatering shall be disposed of as described in the Notice of Intent and in accordance with the requirements contained in the General Order.
2. Construction dewatering discharge at a location or in a manner different from that described in the NOI or this NOA is prohibited.
3. All technical reports required herein that involve evaluation, or other work requiring interpretation and proper application of engineering or geologic sciences, shall be prepared by or under the direction of persons registered to practice in California pursuant to California Business and Professions Code,

section 6735, 7835, and 7835.1. As required by these laws, completed technical reports must bear the signature(s) and seal(s) of the registered professional(s) in a manner such that all work can be clearly attributed to the professional responsible for the work.

4. If encountered groundwater have been in contact with fresh concrete or shotcrete, the Discharger shall perform the necessary monitoring and testing in accordance with the 19 July 2019 *Dewatering and Discharge Plan*. The use of muriatic acid or similar chemical solution to neutralize the pH to acceptable levels prior to land application shall be monitored and reported, including verification that the desired pH was obtained prior to land application.
5. For construction dewatering projects, monitoring results shall be submitted on a semi-annual basis in accordance with the General Order's Monitoring and Reporting Program (MRP). The results of any monitoring done, specifically analysis performed on encountered groundwater that was potentially in contact with fresh concrete or shotcrete, shall be reported. For the July through December reporting period, the monitoring report is due **February 15**. For the January through June reporting period, the monitoring report is due **August 15**. Monitoring shall include the approximate volume of discharge at each discharge location and date of each discharge; date(s) of acid solution to neutralize the pH and volume of solution added; and date(s) analyses performed and the results of such analyses.
6. The Discharger shall submit the required annual fee (as specified in the annual billing issued by the State Water Board) until the NOA is officially terminated. To officially terminate coverage, the Discharger shall submit a Notice of Termination (Attachment 4 of the General Order) upon completion of the discharge activities.
7. Failure to abide by the conditions of the General Order, including its monitoring and reporting requirements, and this letter authorizing applicability could result in enforcement actions, as authorized by provisions of the California Water Code.

DOCUMENT SUBMITTALS

All monitoring reports and other correspondence should be converted to searchable Portable Document Format (PDF) and submitted electronically. Documents that are less than 50 MB should be emailed to:

centralvalleysacramento@waterboards.ca.gov

To ensure that your submittal is routed to the appropriate staff person, the following information should be included in the body of the email or any documentation submitted to the mailing address for this office:

Facility Name: Capell Creek Bridge Replacement Project
Program: Non-15 Compliance
Order: WQO 2003-0003-DWQ-0199
CIWQS Place ID: 789519

Documents that are 50 MB or larger should be transferred to a CD, DVD, or flash drive and mailed to:

Central Valley Regional Water Quality Control Board
ECM Mailroom
11020 Sun Center Drive, Suite 200
Rancho Cordova, CA 95670

Now that the NOA has been issued, the Board's Compliance and Enforcement section will take over management of your case. Guy Childs is your new point of contact for any questions about compliance with the Order. All monitoring and technical reports should be submitted to him. The enclosed transmittal sheet shall be included with each monitoring report. If you find it necessary to make a change to your permitted operations, Guy will direct you to the appropriate Permitting staff. You may contact Guy at (916) 464-4648 or at guy.childs@waterboards.ca.gov.

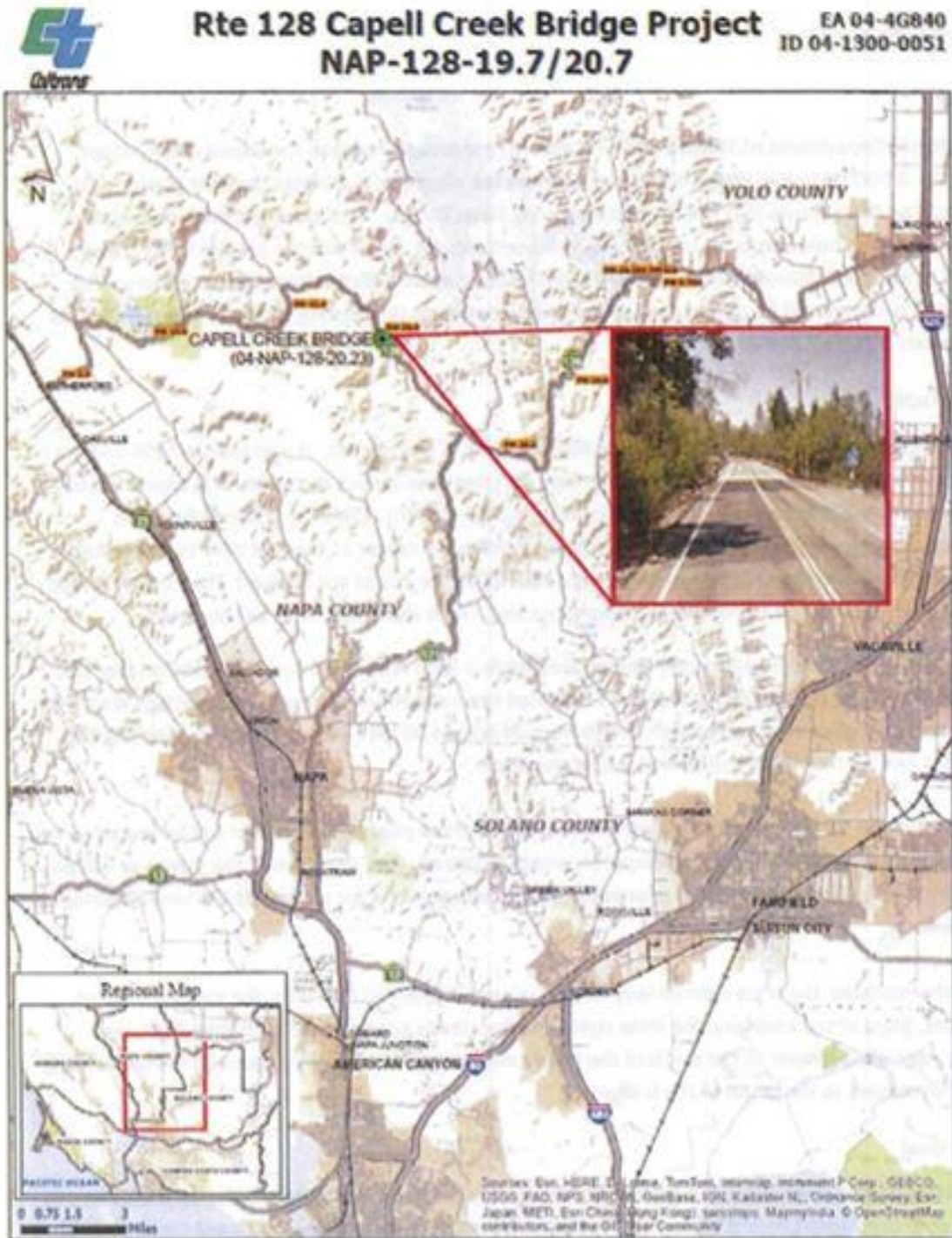
- original signed by Robert Busby for -

Patrick Pulupa
Executive Officer

encl: Attachment A, Vicinity Map
Attachment B, Land Application Area Location Map
Water Quality Order No. 2003-0003-DWQ
Monitoring Report Submittal Transmittal Form

cc w/encl: Robin Tully, Tully Consulting Group, Dixon

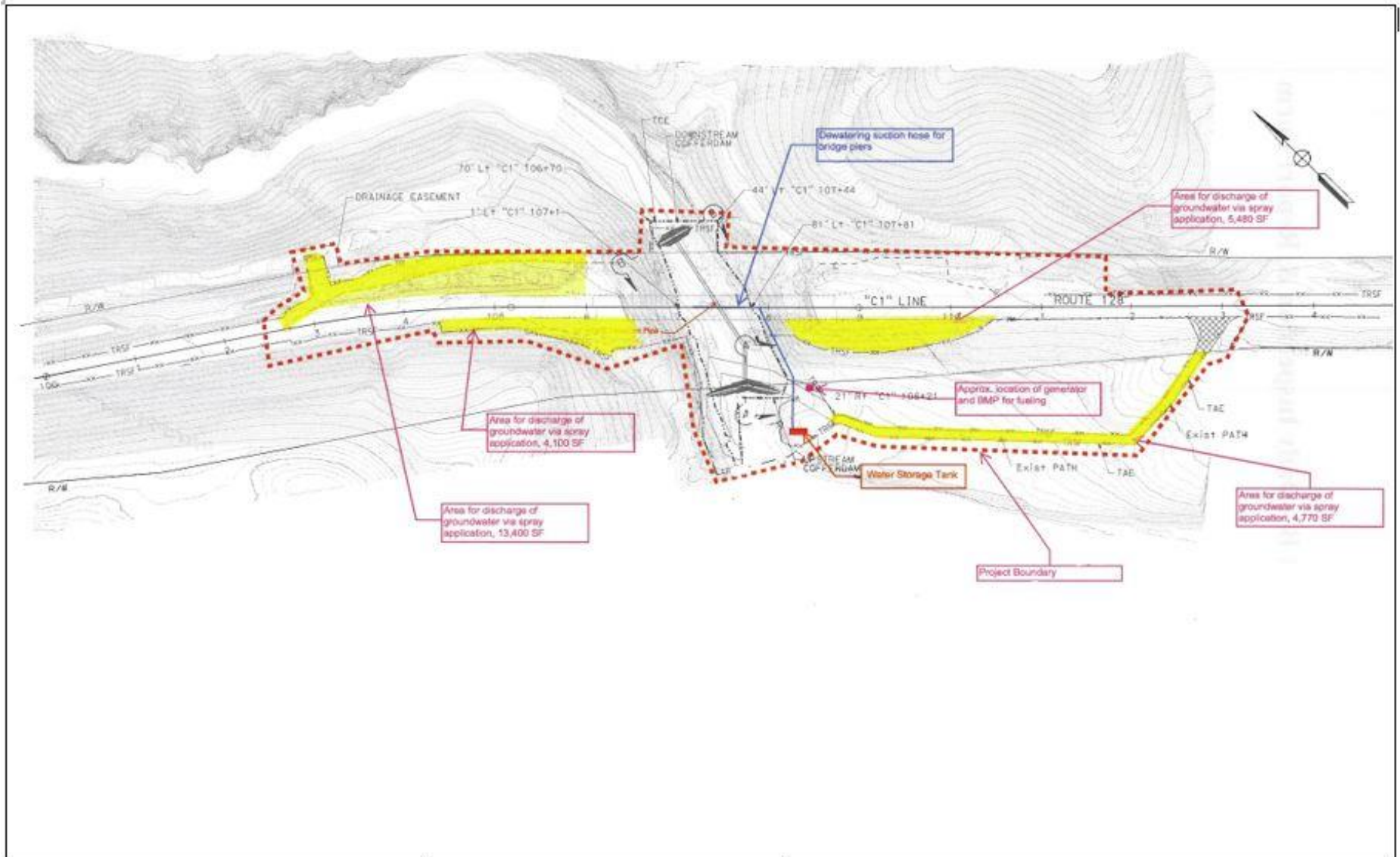
cc w/o encl: Tim O'Brien, State Water Resources Control Board, Sacramento (via email)
Napa County Environmental Health Department, Napa



Drawing Reference:
Notice of Applicability,
August 2019

VICINITY MAP
CAPELL CREEK BRIDGE REPLACEMENT PROJECT
NAPA COUNTY

Approx. Scale:
AS NOTED



<p>Approximate Scale: No Scale</p>	<p>Drawing Reference: Notice of Applicability August 2019</p>	<p>LAND APPLICATION AREA LOCATION MAP CAPELL CREEK BRIDGE REPLACEMENT PROJECT NAPA COUNTY</p>
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