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JAN 14 2019

Secretary's Office

EBMUD

NOTICE OF EXEMPTION

TO: Contra Costa County
Clerk-Recorder's Office
555 Escobar Street
Martinez, CA 94553

FROM: Office of the Secretary
East Bay Municipal Utility District
375 Eleventh Street, MS 806
Oakland, CA 94607-4240

PROJECT INFORMATION

1. TITLE: **Briones Reservoir Inlet/Outlet Tower Retrofit Project**
2. LOCATION: *(City, County, and specific location)*

   The project is located at the Briones Reservoir on East Bay Municipal Utility District (EBMUD)-owned watershed land in unincorporated Contra Costa County (see attached Figure 1 in Attachment A)
3. DESCRIPTION:

   The project will seismically retrofit the Briones inlet/outlet tower and is needed to comply with the Division of Safety of Dams requirements and to safeguard the Briones Dam in the event of an earthquake. The seismic retrofit activities would strengthen the inlet/outlet tower by installing a reinforced concrete or steel liner inside the upper section of the existing tower (see Attachment A).

EXEMPTION FINDING (Check one)

This project is exempt from CEQA because:

1. ☐ Activity is not a project
2. ☐ Activity is Ministerial (Sec.21080(b)(1); Guideline 15268)
3. ☐ Activity is a Declared Emergency (Sec.21080(b)(3); Guideline 15269(a))
4. ☐ Activity is an Emergency Project (Sec.21080(b)(4); Guideline 15269(b)(c))
5. ☒ Activity is Categorically Exempt Under Guideline 15301
6. ☐ Activity is Statutorily Exempt Under Guideline _____
7. ☒ Reasons why project is exempt:

   Under Section 15301, the repair, maintenance, or minor alteration of existing public structures involving negligible or no expansion of use are categorically exempt.

FILED
JAN 09 2019
J.E. CANCIAMILLA COUNTY CLERK
CONTRA COSTA COUNTY
BY _____ DEPUTY

INITIATING UNIT:

APPROVAL

12/17/2018	Chien Wang cw	Jennifer L. McGregor jm
1. DATE PREPARED	2. PREPARED BY (initial)	3. REVIEWED BY (Unit Supv. initial)

David J. Rehnstrom Dave J Rehnstrom
4. RECOMMENDED BY (Division/Section Manager)

Chien Wang	701	Associate Engineer	510-287-1086
5. CONTACT PERSON	MAIL SLOT #	TITLE	PHONE

NOTICE OF EXEMPTION APPROVED FOR FILING WITH THE COUNTY CLERK

12-18-18	
DATE	DEPARTMENT DIRECTOR
12/31/18	Rischa S. Cole
DATE FORWARDED TO COUNTY CLERK	SECRETARY OF THE DISTRICT

EAST BAY MUNICIPAL UTILITY DISTRICT
BRIONES RESERVOIR INLET/OUTLET TOWER RETROFIT PROJECT

Project Summary

The Briones Reservoir Inlet/Outlet Tower Retrofit Project (Project) will seismically retrofit the Briones Reservoir Inlet/Outlet Tower (Tower) which is needed to comply with the Division of Safety of Dams (DSOD) requirements and to safeguard the Briones Dam in the event of an earthquake. The Tower is located in the Briones Reservoir on EBMUD-owned watershed land located in unincorporated Contra Costa County (see Figure 1). The Project seismic retrofit activities will strengthen the Tower by installing a reinforced concrete or steel liner inside the upper section of the existing Tower.

Purpose

EBMUD completed seismic evaluations of the Tower in 2008 and determined that the Tower could experience damage during a magnitude 7.25 earthquake, which is the "maximum design earthquake" after which the outlet system must remain functional in order to carry out the basic safety needs of the reservoir. Damage to the Tower could affect the drawdown (emptying) capabilities and function of the Briones Reservoir, inhibiting EBMUD's ability to import or export water and regulate water levels within the reservoir. The primary purpose of the retrofit is to ensure that the controlled release of water from the reservoir is not impaired under the maximum design earthquake and to ensure the continued safe operation of the reservoir following smaller earthquakes.

Site Characteristics

The Project site is located off of Bear Creek Road through an existing EBMUD access road to the Briones Reservoir/Dam. The crane/laydown area north of the boat ramps will be used for crane loading and material laydown and storage. The EBMUD boat ramp south of the two boat ramps used by rowing crews will be used for worker boat access to the Tower as shown on Figure 1.

Briones Reservoir Water Supply

Briones Reservoir is one of the critical storage elements of EBMUD's water supply system and has a capacity of approximately 59,000 acre feet. Flow of water in and out of the reservoir is regulated by the 230-foot-high, vertical reinforced concrete inlet/outlet Tower connected at its base to an inlet/outlet tunnel. The Tower was constructed in 1965 and is equipped with seven 60-inch-diameter butterfly valves distributed at different levels that allow water to be pumped into or drawn out of the reservoir.

Existing Inlet/Outlet System

The existing inlet/outlet system at the Briones Reservoir includes the Tower that is connected to a 90-inch-diameter conduit installed in a tunnel that passes through the east abutment of the dam. An emergency shutoff valve is located approximately 1,700 feet downstream of the Tower along the 90-inch conduit in an underground vault structure.

During normal operations, water is pumped into or drawn out of the reservoir through several of the seven Tower valves. The reservoir outlet works' maximum outflow rates allow the facility to meet the DSOD reservoir drawdown requirements.

Project Details

The Tower will be strengthened by constructing a new reinforced concrete or steel liner (8-inch-thick reinforced concrete or 1/4- to 3/8-inch-thick steel) on the inside of the Tower between elevations 505 and 575 feet. The proposed project design concept is shown on Figure 2. As part of this Project, the two hydraulic actuators on the top two Tower valves will be replaced. Actuators are responsible for moving and controlling the opening and closing of the valves.

Construction of the Tower retrofits will occur in six phases: 1) site preparation, 2) material delivery and laydown, 3) barge and floating platform assembly, 4) equipment and material staging on barges, 5) Tower maintenance and reinforcement, and 6) site cleanup. Equipment to be used will consist of: 100-ton crane, 50-ton crane, Flexifloat (trademark) platform at Tower, Flexifloat barge, tugboat crew boat, flatbed trucks, concrete mixer, sedimentation tanks, and water pumps. Flexifloats consist of large floating interlocking modular barges.

Permits

All work will be on EBMUD property. Encroachment permits are not required since there is no work within the public right-of-way. All necessary permits from the regulatory agencies will be obtained, as necessary, to complete the Project.

Schedule and Work Hours

Tower retrofit construction is anticipated to start in Fiscal Year 2020 and will take approximately 12 months to complete. Construction activities will be limited to the daytime weekday hours (7:00 a.m. to 7:00 p.m.) to the extent feasible. Construction will occur during the dry season to avoid weather-related delays.

Public Considerations

Though some inlet/outlet valves on the Tower will be sealed for the Project duration, water operations will not be affected, because other inlet and outlet options will be deployed. The Briones Reservoir will continue to be operated normally; though, when feasible, water levels will

be maintained as high as possible to aid worker access to the section of the Tower where the retrofit work will be performed. There will be no impact on water service to customers.

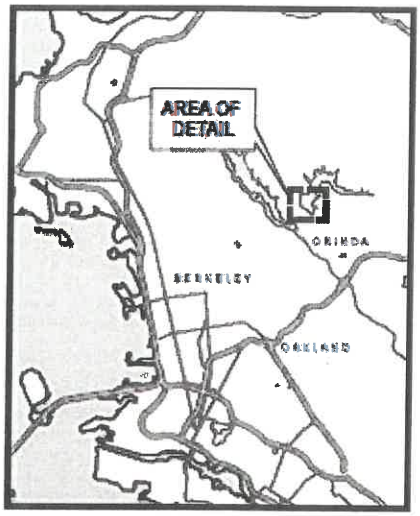
Standard construction environmental and safety practices applicable to all EBMUD construction projects have been incorporated into the Project. These standard practices minimize impacts to the public resulting from EBMUD construction projects.

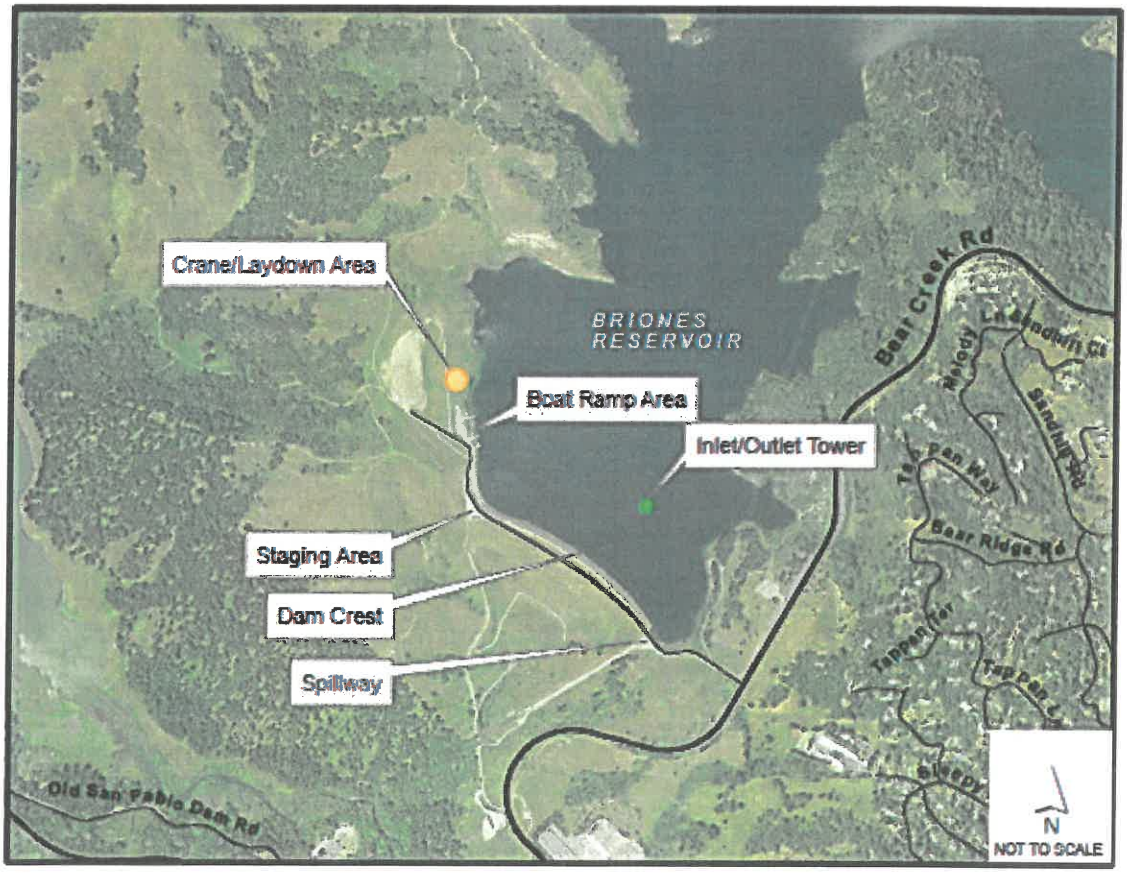
DJR:CW:dks
sb18_207b_Briones Tower Retrofit_NOE_Project_Description_AttA

Figure 1: Briones Reservoir Inlet/Outlet Tower Retrofit Project Location Map
Figure 2: Briones Reservoir Inlet/Outlet Tower Retrofit Project Tower Elevation

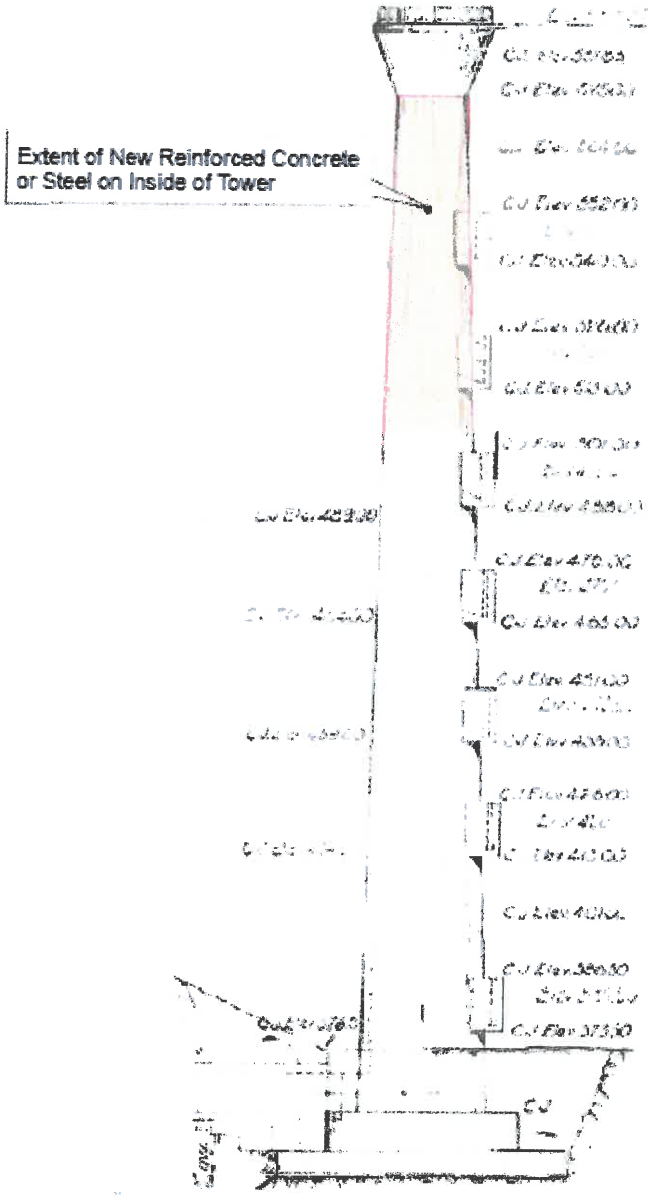
BRIONES RESERVOIR INLET/OUTLET TOWER RETROFIT PROJECT
Location Map **Figure 1**

Boat Ramp Area Detail





BRIONES RESERVOIR INLET/OUTLET TOWER RETROFIT PROJECT
Project Tower Elevation with Construction Joints **Figure 2**



Source: Terra Engineers, Inc. 2013