



Rebecca Turner
Calaveras County
County Clerk-Recorder
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San Andreas, CA 95249
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Receipt: 23-8217

Product	Name	Extended
FISH	FISH AND WILDLIFE FILING	\$50.00
	# Pages	7
	Document #	05-2023-040
	Document Info:	EAST BAY MUNICIPAL UTILITY DISTRICT
	Filing Type	NOE
	No F & W Fee	false
	File Endorsed Label	3
Total		\$50.00
Tender (Check)		\$50.00
Paid By	EBMUD	
Check #	200037434	

RECEIVED

SEP 29 2023

Office of the Secretary

THANK YOU. PLEASE KEEP FOR REFERENCE

1

9/25/23 1:48 PM PST ssimpson



NOTICE OF EXEMPTION

TO:
Calaveras County Clerk Recorder
891 Mountain Road, Building D
San Andreas, CA 95249

FROM: (LEAD AGENCY)
EAST BAY MUNICIPAL UTILITY DISTRICT
 Office of the Secretary - (510) 287-0404
 375 Eleventh Street, MS 806
 Oakland, CA 94607-4240

Lead Agency is the Project Applicant
 Lead Agency is Public Agency Approving Project
 Lead Agency is Carrying Out Project

PROJECT INFORMATION

- TITLE:** Pardee Reservoir Turbidity Curtain Installation Project
- LOCATION:** *(City, County, and specific location)*
Pardee Reservoir, 3535 Sandretto Road, Valley Springs, CA 95252, 38.24685, -120.84010
- DESCRIPTION:** East Bay Municipal Utility District needs to install a turbidity curtain around the water intake tower on Pardee Reservoir due to climate change impacts on water quality. The intent of the turbidity curtain is to lower turbidity levels in the raw water source, so that EBMUD's East Bay Area inline water treatment plants can adequately treat the raw water and be able to meet potable water customer demands and meet all state and federal water quality regulatory requirements.

EXEMPTION FINDING (Check one)

This project is exempt from CEQA because:

- Activity is not a project
- Activity is Ministerial (Sec.21080(b)(1); Guideline 15268)
- Activity is a Declared Emergency (Sec.21080(b)(3); Guideline 15269(a))
- Activity is an Emergency Project (Sec.21080(b)(4); Guideline 15269(b)(c))
- Activity is Categorically Exempt Under Guideline 15301
- Activity is Statutorily Exempt Under Guideline _____
- Reasons why project is exempt: Project will be conducted within a previously disturbed area.
Project meets the definition of 15301(b) for existing facilities
Project will have no significant environmental impacts relative to Locations, Cumulative Impact, Scenic Highways, Significant Effect due to unusual circumstances, Hazardous Waste or Historical Resources as pursuant to Section 15300.2 of the CEQA Guidelines.

**(ENDORSED)
FILED**

County of Calaveras
 Rebecca Turner
 County Clerk-Recorder
05-2023-040
09/25/2023

[Signature]
 ssimpson, Deputy Clerk

RECEIVED

SEP 29 2023

APPROVAL BY INITIATING UNIT:

07/05/2023

Deirdre Mena

RCC Office of the Secretary

1. DATE PREPARED

2. PREPARED BY (initial)

3. REVIEWED BY (Unit Supv. initial)

4. RECOMMENDED BY (Division/Section Manager)

Dillon Cowan

PAR

Superintendent of Pardee

209-772-8201

5. CONTACT PERSON

MAIL SLOT #

TITLE

PHONE

NOTICE OF EXEMPTION APPROVED FOR FILING WITH THE COUNTY CLERK

9/11/23

DATE

[Signature]
DEPARTMENT DIRECTOR

9/22/23

DATE FORWARDED TO COUNTY CLERK

[Signature]
SECRETARY OF THE DISTRICT

Attachment A
East Bay Municipal Utility District
Pardee Reservoir Turbidity Curtain Installation Project

Overview and Background

Pardee Reservoir (Reservoir) impounds East Bay Municipal Utility District's (EBMUD) source water for its east of San Francisco Bay potable water service area. The Reservoir spans across Amador and Calaveras Counties in the Sierra Foothills (see Vicinity Map).

The Pardee Reservoir Turbidity Curtain Installation Project (Project) includes the installation of a 1,000 linear foot turbidity curtain (Curtain) around the Reservoir's water intake tower.

Project Purpose and Objective

EBMUD needs to install the Curtain around the water intake tower on the Reservoir due to climate change impacts on water quality. The purpose of the Curtain is to lower turbidity levels in the raw water source, so that EBMUD's East Bay Area inline water treatment plants can adequately treat the raw water to meet potable water customer demands, in addition to complying with all state and federal water quality regulatory requirements.

Project Location

The Project is limited to the water intake tower on the Reservoir, in addition to two land anchor points, as depicted as "A" and "B" on Figure 1.

Project Characteristics

The Project includes the installation of a 1,000 linear foot Curtain around the water intake tower in Pardee Reservoir (Reservoir). The Curtain consists of 20 individual sections of permeable and non-permeable geotextile fabric. The width of each section is 50 feet, with the depth varying from 10 feet to 70 feet. The deeper sections will be located in the center of the Curtain. The installation will allow EBMUD staff to adjust the water depth location for the Curtain, depending on the Reservoir's water elevations. Sections can be readily repaired or replaced as necessary. See enclosed Figure 1 and Table 1 for Curtain specifications.

EBMUD-retained certified divers will secure the Curtain to the Reservoir floor, using steel cable line and damforth-style galvanized anchors (Anchors). Staging of equipment and materials will mostly occur on the diver boat used for Reservoir access. There will be some staging at the two land anchor points, depicted as "A" and "B" on Figure 1. Hand-tools will be used to secure the Anchors to the Reservoir floor. The majority of the work will occur off the boat and in the Reservoir.

The Curtain will not hinder movement of aquatic life within the Reservoir as elevations are typically around 500 feet at the water intake tower area.

Attachment A
East Bay Municipal Utility District
Pardee Reservoir Turbidity Curtain Installation Project

Permits and Approvals

EBMUD will apply for a Standard Agreement with the California Department of Fish and Wildlife (CDFW). The US Army Corp of Engineers and the Regional Water Quality Control Board - Region 5, both stated that the Project activities do not trigger the 404 and 401 permitting process.

Schedule and Work Hours

The Curtain will be deployed as needed, based on the Reservoir's measured turbidity levels and EBMUD's East Bay Area inline water treatment plants' ability to adequately treat the raw water to meet potable water customer demands, in addition to complying with all state and federal water quality regulatory requirements.

The Project's activities will be limited to weekdays with standard business hours of 7:00 a.m. to 4:00 p.m., with the exception of emergency installations. The initial deployment is expected to be completed within five to ten days. Subsequent deployments will take less time as the anchors will already be in place.

EBMUD Practices and Procedures

Standard construction environmental and safety practices applicable to all EBMUD construction projects will be incorporated into the Project. The Project site is within EBMUD-owned property. The site is located within EBMUD's Watershed, and there are no nearby commercial or residential developments.

The Curtain will not hinder movement of aquatic life within the Reservoir as elevations are typically around 500 feet at the water intake tower area. Findings from a January 2023 Biological Assessment, conducted by a CDFW-approved Biologist, determined that there are no special status species or critical habitat within the Project site.

EBMUD Standard Biological Best Management Practices will be implemented for all Project activities. Biological support will be provided by a CDFW-approved Biologist, including preconstruction surveys, worker site-specific training, and biological monitoring for the Project activities.

Exemption Findings

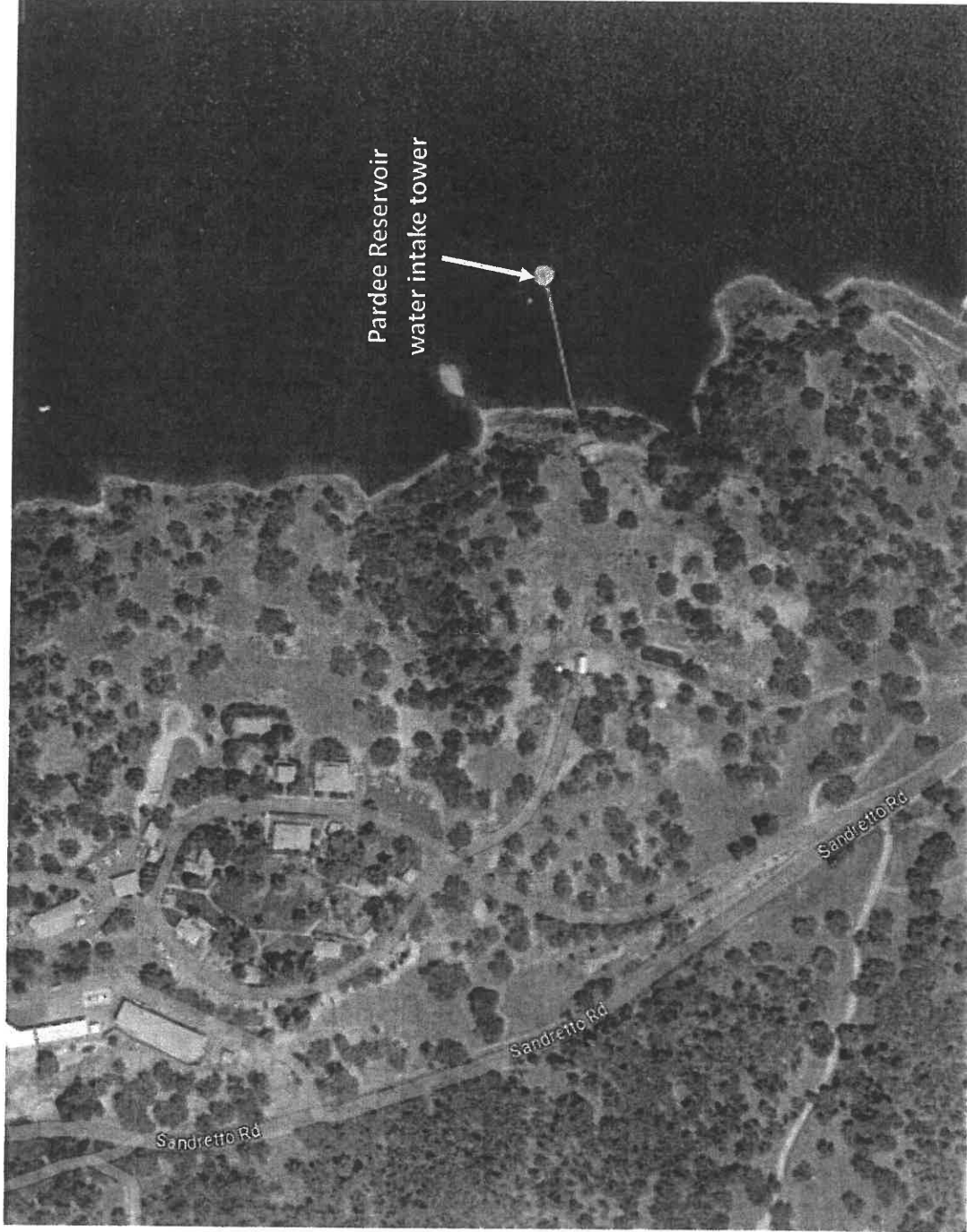
EBMUD has determined that the Project is exempt from CEQA under the CEQA Categorical Exemptions Guidelines Sections 15301, as the Project will be conducted within an existing facility, a previously disturbed area.

Pardee Reservoir Turbidity Curtain Installation Project, coordinates: 38.24685, -120.84010



Vicinity Map, showing Pardee Reservoir's water intake tower location

Pardee Reservoir Turbidity Curtain Installation Project, coordinates: 38.24685, -120.84010



Aerial Map showing Pardee Reservoir's water intake tower

FIGURE 1: TURBIDITY CURTAIN INSTALLATION PLAN

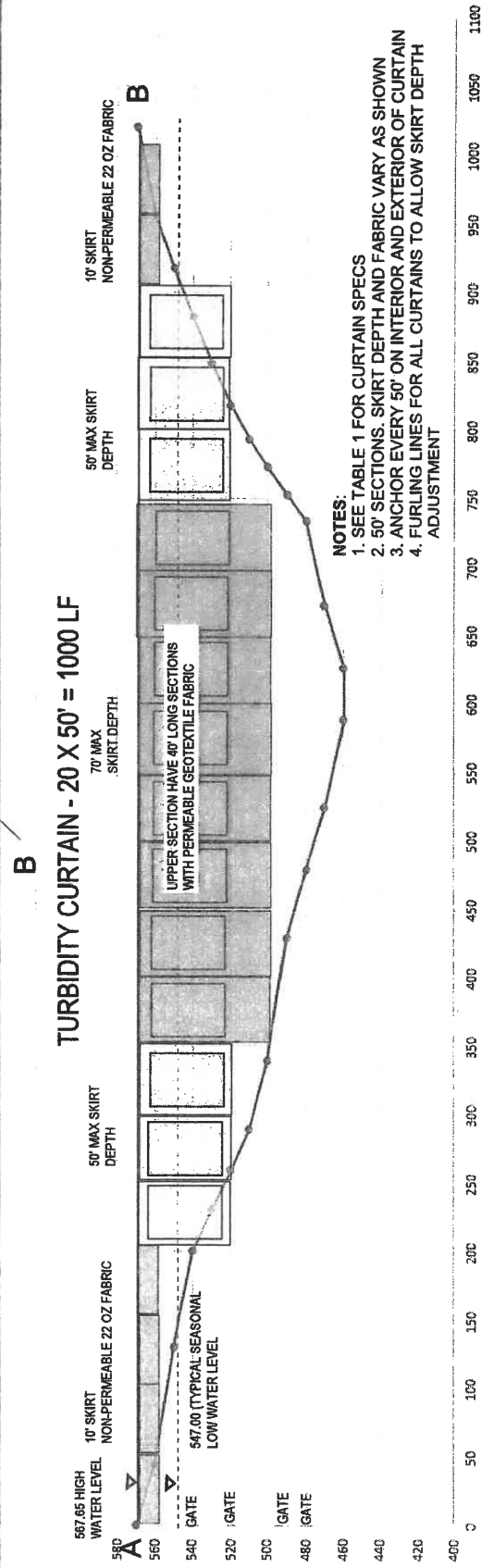
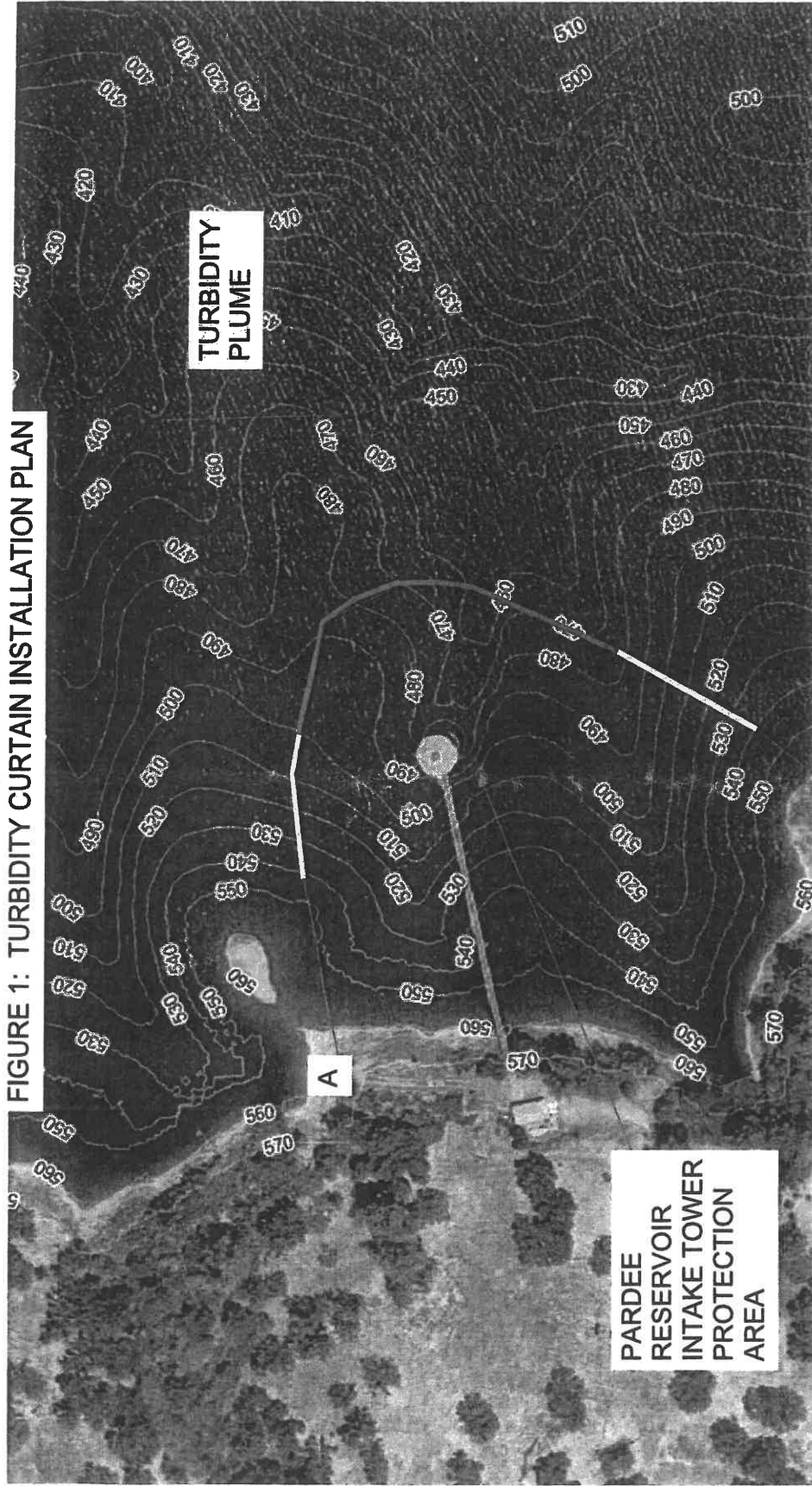


Table 1: Pardee Tower Turbidity Curtain Specifications

0	<p>Site Conditions: Fresh water lake. Water depth varies 0 - 100' (see Figure 1). Estimated flow velocities are <1.5 ft/sec, wind gusts 40-50 mph maximum, low wave heights.</p> <p>Vendor Qualifications Required: Submit with quote: 3 or more projects in the last 10 years where vendor has supplied turbidity curtains with a curtain skirt depth of 50' or greater.</p>	
1	Curtain type	Type 3 Heavy-duty Turbidity Curtain, permeable and non-permeable
2	Curtain skirt depth (see Figure 1 for reference)	Qty 8 partially permeable curtains. 70' total depth, 40' upper permeable section. Qty 6 partially permeable curtains. 50' total depth, 40' upper permeable section. Qty 6 non-permeable sections with 10' depth (See Figure 1 for reference)
3	Section lengths	50'
4	Furling lines to adjust skirt depth	Yes, for all sections, vinyl-coated wire
5	Fabric	
6	Material	Coated PVC
7	Weight	22 oz/yd ²
8	Tensile strength grab	500 lbs. or greater
9	Tear strength strip	400 lbs. or greater
10	Seams	Heat Sealed
11	Top tension cable	Steel, dual 5/16" min.
12	Ballast and bottom tension	Steel, 1/2"
13	Permeable Fabric (on 50' and 70' deep curtains only)	
14	Type	Woven Geotextile (e.g. WINFAB)
15	Tensile strength grab	300 lbs. or greater
16	Sewn seams	Lockstitched (chain stitching not acceptable)
17	Apparent Opening Size	0.35 mm or less
18	Flow rate	45 gpm/ft ² or greater
19	Buoyancy	
20	Buoyancy Ratio	>5
21	Float Type	Solid, closed cell, enclosed in fabric pocket
22	Float Size	12" or greater as required for buoyancy ratio
23	Connector	Load-transfer type
24	In-Reservoir Anchors	
25	Type	Danforth-style, hot-dipped galvanized
26	Configuration	Dual anchorage (both sides of curtain, every 50 feet)
27	Size and Quantity	Qty 12 x 20 lb for 10' deep curtains Qty 26 x 40 lb for 50' and 70' deep curtains
28	Rope	Vinyl-coated wire
29	Included Accessories	
30	Tow Birdle/float	Yes
31	Anchor float/marker	Yes, for all anchors
32	Anchor Line Buoy	Yes, for all anchors
33	Field Services	Provide one trip and one 8-hr day for on-site consultation and meeting with installer at Pardee Reservoir near Valley Springs, CA.
34	Submittal Requirements - submit for approval prior to fabrication	a) Submit equipment and material cut sheets b) Project-specific curtain dimensions, layout, and buoyancy c) Anchorage requirements and calculations d) Installation and maintenance instructions
35	Warranty	1 year against manufacturer defect