

# CALAVERAS COUNTY WATER DISTRICT

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120 Toma Court

San Andreas, CA 95249

(209) 754-3543

## **REQUEST FOR PROPOSAL**

Biological and Cultural Resources for CEQA and Future Permitting NEPA

For CalOES/FEMA Hazard Mitigation Grant Program Project

Hunters Raw Water Pump Station Mitigation Project

Issued: December 15, 2021

### **INTRODUCTION**

The scope of the proposed project is to relocate and increase the size of the raw water intake pumps at Hunter Reservoir. The raw water intake pumps feed the Hunters Water Treatment Plant. The Water Treatment Plant provides potable and fire hydrant water to 11,900 customers within Calaveras County Water District's Ebbetts Pass service area.

Hunters Reservoir is located in Avery, CA in a heavily forested area within the Stanislaus National Forest. The existing pumps house at Hunters Reservoir is located deep in the Canyon at the Base of Reservoir within a FEMA identified Special Flood Hazard Area. The Proposed Project would move the intake pumps away from the Special Flood Hazard Area. Relocating the pumps to the surface of the Hunters Reservoir would dramatically increase the ease of access to the facility. Access to the existing pump house at the base of the dam is challenging, it requires either walking on top of wooden flumes or climbing down face of dam on vertical ladder.

The initial Project concept was to connect a new floating intake structure to the Dam Face; this may not be possible due to regulatory requirements with connection to the Dam. Additionally, the wide range in fluctuations of reservoir surface would make connecting to the dam face cumbersome. The existing Mechanical Building shall stay in service during the construction and demolished after a new mechanical building is constructed adjacent to the existing building. The Dam is owned and operated by Utica Water and Power. Existing mechanical building along with the existing pump house and pumps at the base of the dam shall be demolished at the completion of the new intake structure. The original facilities were constructed in the 1960-1970's.

Work would involve installing pumps within the main portion of the reservoir, either on floating intake or on fixed intake location. The piping would be underwater to the shoreline, then buried to the connection point near the existing mechanical building. Soil may need to be excavated within the reservoir for installation of the underwater pipeline within the vicinity of the existing spillway.

The District performed a Bathymetric Survey of the topography of the existing Reservoir. It was determined from the Survey that the floor of the Reservoir is much shallower than initially thought, which may make it difficult for floating intake to operate properly. The Districts design consultant will evaluate flowing intake structure along with other types of intake structures such

as deployable intake structures and fixed intake structures. The District has considered option for dredging the Reservoir to increase the depth of Reservoir, large scale dredging work is outside the scope of the current Project and this Proposal.

Calaveras County Water District will be the lead agency for CEQA, a Federal Agency will be the lead agency for NEPA. The Hunters Dam Structure is licensed Federal Energy Regulatory Commission (FERC) licensed facility, Dam owner is Utica Water and Power Authority.

## **SCOPE OF WORK**

The consultant's scope of work is to include the tasks listed below.

Task 1. Progress Meetings/Cordination: The consultant will need to attend coordination meetings with the District, Designer and FEMA environmental personnel. Meetings maybe in person or via conference call. *Deliverables: Attend up to two meetings with Calaveras County Water District.*

Task 2. Biological Resource Study: The consultant is to prepare a Biological Resource assessment. This will include desktop evaluation including a review of databases and records, field survey including minimum one-full and night/evening survey as needed, and complete report including any pre-construction mitigation measures that maybe required. *Deliverables: Pre-field Evaluation of Site, Field Survey, Report and Regulatory Mechanism needed for Project Implementation.*

Task 3. Aquatic Resources/Wetlands Delineation: The delineation shall show wetland and non-wetland jurisdictional waters. The delineation shall be suitable for use based on the regulations of the following agencies: USACE Section 404 of Federal Clean Water Act, RWQCB Section 401 of Clean Water Act, CDFW Section 1602 of CA Fish and Game. The results of the aquatic resource/wetlands delineation shall be included in the reports, details shall be provided to illustrate the location of aquatic resources/wetlands. *Deliverables: Aquatic Resource/Wetlands Delineation, map showing location of resources, and report preparation.*

Task 4. Cultural Resource and Historic Properties Study/Built Environment Assessment: Project is Funded by CalOES/FEMA and will require NEPA review. Cultural Resources study will need to be completed/prepared in accordance with Section 106 of the NHPA, and CEQA. In addition, the reports shall include an assessment of potential adverse effects to historic properties under Section 106 and State Historic Preservation Act SHPO. Consultant to contact the California Native American Heritage Commission upon approval of CCWD. Tribal consultations will be cone by CCWD Staff. Consultant shall coordinate with local historical societies and stakeholders that may have information on the Properties. *Deliverables: Cultural Resources/Built Environment Studies Site Survey, recorders searches, resource evaluations and report.*

Task 5. Environmental Report: Work includes preparing draft environmental reports in accordance with requirements of CalOES/FEMA guidelines. Preparing Categorical Exclusions (NEPA) and Categorical Exemptions for (CEQA). Assisting in completing Notice of Exemptions for County and State as needed. *Deliverables: Completing draft environmental reports per CalOES/FEMA guidelines.*

Task 6. Prepare Mitigated Negative Declaration/Environmental Assessment (As Needed):  
*Deliverables: Prepare administrative draft IS/MND and Environmental Assessment (NEPA),  
 Prepare Findings and Notice of Determination.*

Task 7. Section 401 Clean Water Certification: *Deliverables: Prepare and secure Section 401  
 Clean Water Act Permit through RWQCB.*

Task 8. Section 404 Clean Water Act- Reservoirs/Wetlands: *Deliverables: Prepare and secure  
 Section 404 Clean Water Act Permit through USACE.*

Task 9. 1600/1602 Lake/Streambed Alteration Agreements: *Deliverables: Prepare and secure  
 California Department of Fish and Wildlife Lake and Streambed Alteration Agreement. Including  
 Riparian vegetation.*

**PRELIMINARY PROPOSED SCHEDULE**

<u>PHASE</u>	<u>DUE DATE(S)</u>
Issue RFP	12/3/21
Job Walks / Pre-Proposal Meeting	Upon Request
Proposals Deadline	01/13/22
Environmental Contract / Notice to Proceed (NTP)	01/31/22
Conduct Surveys	Following NTP
Biological Resources Report	2/28/2022
Aquatic/Wetlands Resources Delineation	2/28/2022
Submit Permit Applications and FEMA Coordination.	3/15/2022
Cultural APE Map	2 Weeks after Preliminary Design Completion
Records Search	3/28/2022
Consultations	3/28/2022
Survey	3/28/2022
Resource Evaluation	3/28/2022
Draft Reports (FEMA Coordination)	3/28/2022
Rare Plant Surveys	Spring 2022
Final Reports	4/29 -5/20/2022
FEMA Phase 1 –Complete Construction/Final Design (By Others)	5/20/22
100% Design / Bid Set (By Others)	5/31/22
Bid Period / Award for Construction (By Others)	06/10/22 to 07/9/22
Construction / Notice to Proceed	07/12/22
Construction / Completion Date (By Others)	11/15/22

*This schedule is Preliminary, Consultant should provide schedule along with Proposal. Schedule and sequence may be amended based on schedule provided with Proposal.*

## **PROPOSALS/SELECTION CRITERIA**

The proposal may be in any format that best represents and demonstrates Consultant's qualifications, experience, organizational structure, team/staff members, etc. As a minimum, provide a statement of qualifications, representative project references, scope of work, detailed schedule/gantt chart with tasks and milestones, total fee estimate by tasks including hours and hourly rates, and subconsultant costs. A panel of two or more CCWD staff will review the proposals and make a final selection for award based on criteria such as approach to work, qualifications and experience, project references, cost effectiveness and value, proposed schedule and subconsultants. Also, Consultant must accept/agree to terms of District's standard Professional Services Agreement (PSA).

## **RECEIPT OF PROPOSALS**

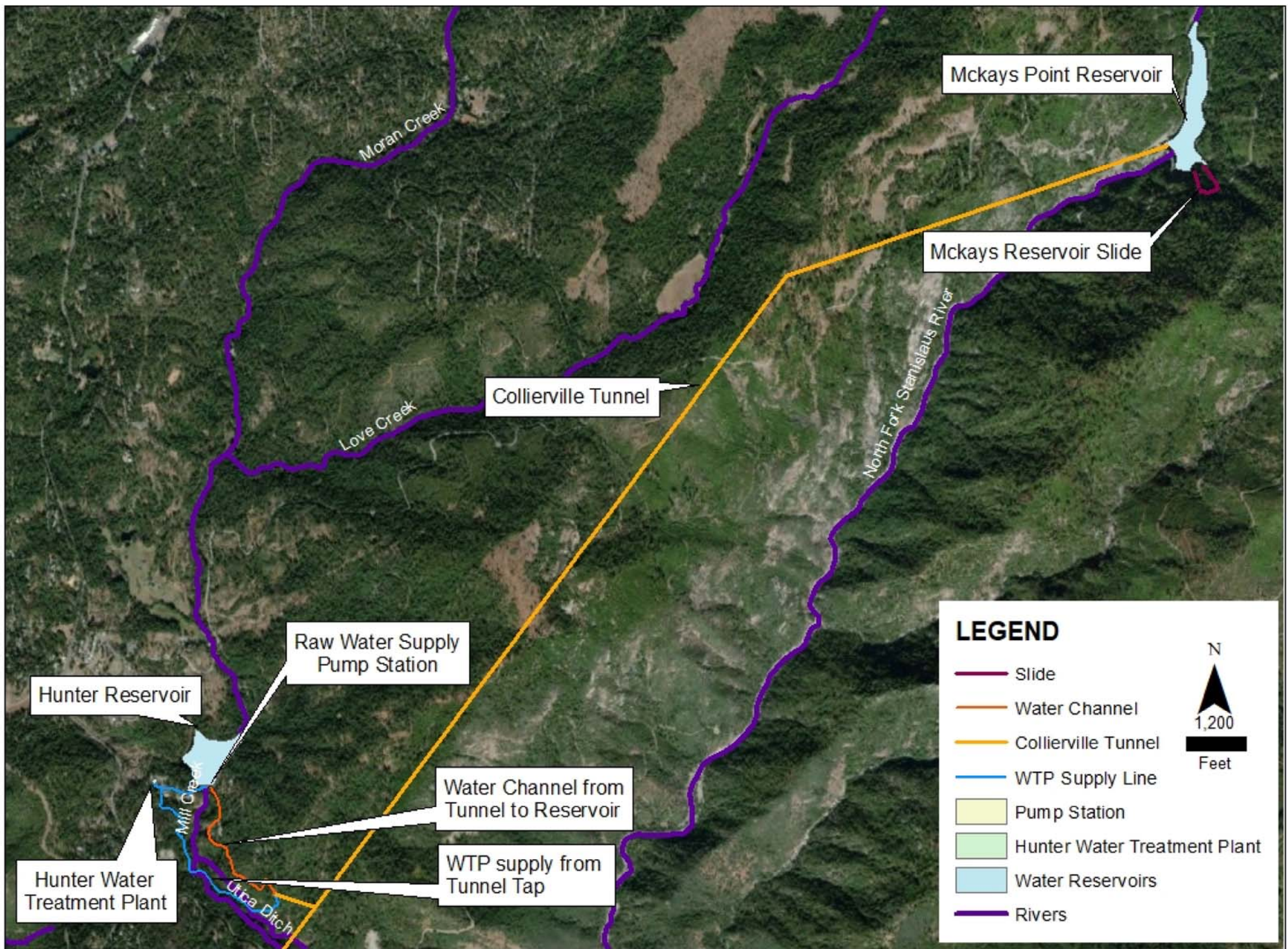
On or before 4:00 PM, Thursday, January 13, 2021, please submit proposals and fee estimate to:

Calaveras County Water District  
120 Toma Court  
San Andreas, CA 95249  
Attn: Kate Jesus  
Phone: (209) 754-3181  
Email: [Katej@ccwd.org](mailto:Katej@ccwd.org)

Please contact Kate Jesus or Kevin Williams at (209) 754-3184 or [kevinw@ccwd.org](mailto:kevinw@ccwd.org) with questions regarding this project.

## **Appendix:**


1. Vicinity Map
2. Hunters Reservoir Map
3. Hunters Survey 9/1/2021
4. Conceptual Drawings –Floating Intake
5. Intake Screen Details (Conceptual Drawing)
6. Masonry Mechanical/Electrical Building (Typical Details)
7. Area of Potential Impact




**LEGEND**

- Slide
- Water Channel
- Collierville Tunnel
- WTP Supply Line
- Pump Station
- Hunter Water Treatment Plant
- Water Reservoirs
- Rivers

N



1,200  
Feet



**LEGEND**

- Water Channel
- WTP Supply Line
- Pump Station
- Hunter Water Treatment Plant
- Water Reservoirs
- Rivers



Hunter Reservoir

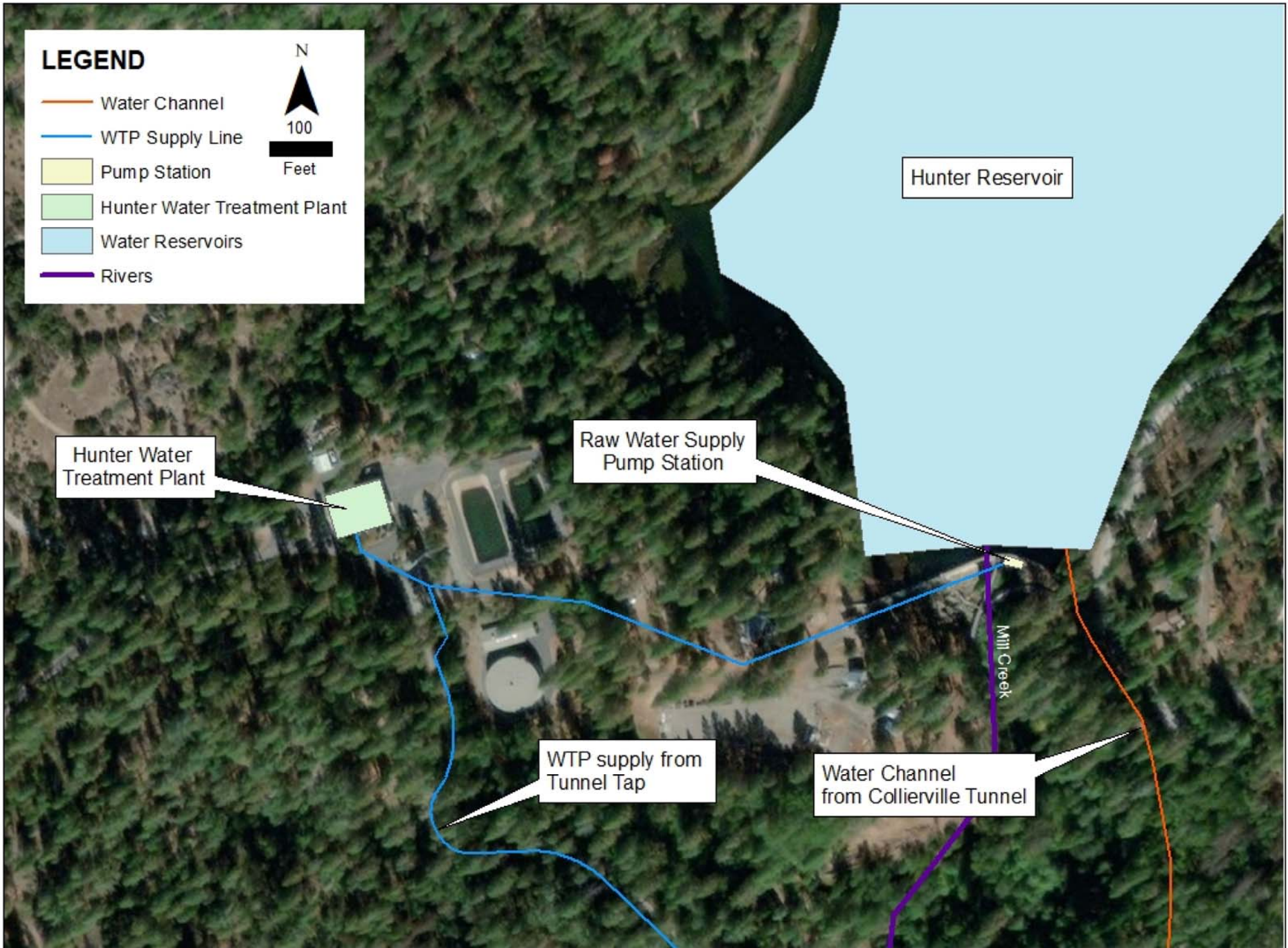
Hunter Water Treatment Plant

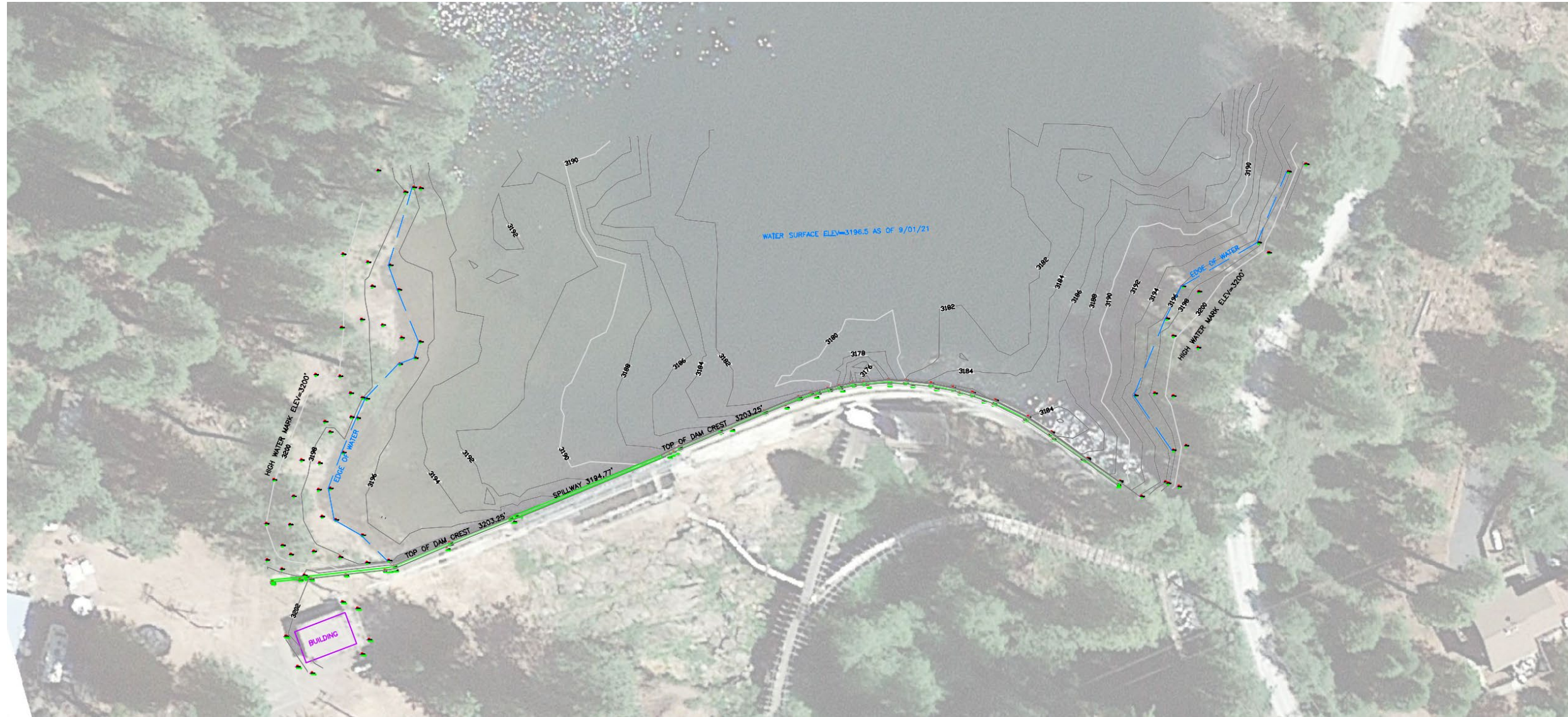
Raw Water Supply Pump Station

WTP supply from Tunnel Tap

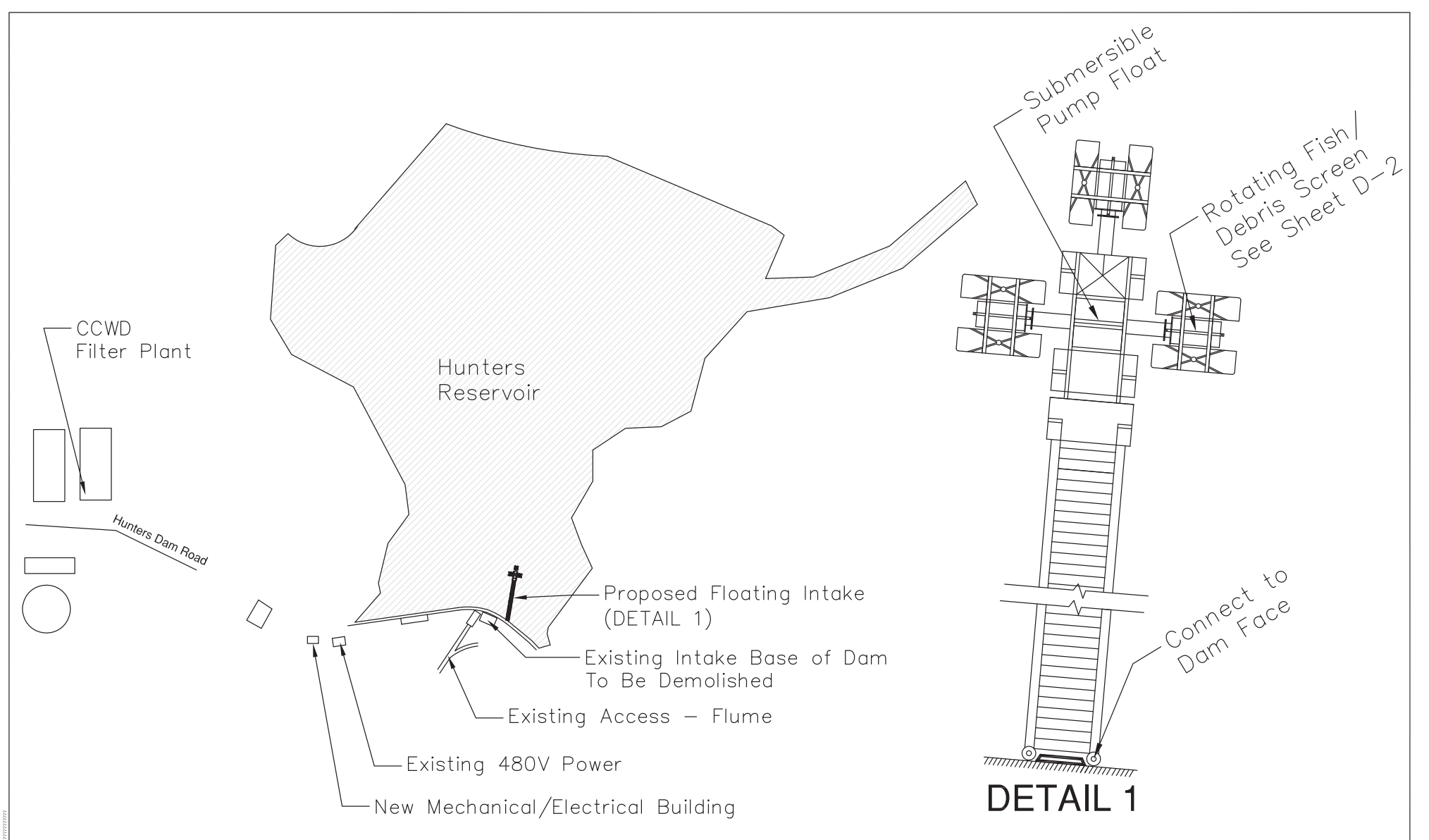
Water Channel from Collierville Tunnel

Mill Creek





Hunters Reservoir Survey 9/1/2021

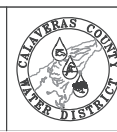


DATE: 02/22/2023

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**CALAVERAS COUNTY WATER DISTRICT**  
 180 TOMA COURT  
 P.O. BOX 346  
 SAN ANGELES, CA 96849  
 (209) 754-9543 FAX: (209) 754-1099

HUNTERS RAW WATER INTAKE

CONCEPTUAL DRAWINGS  
 HUNTERS RESERVOIR FLOATING INTAKE

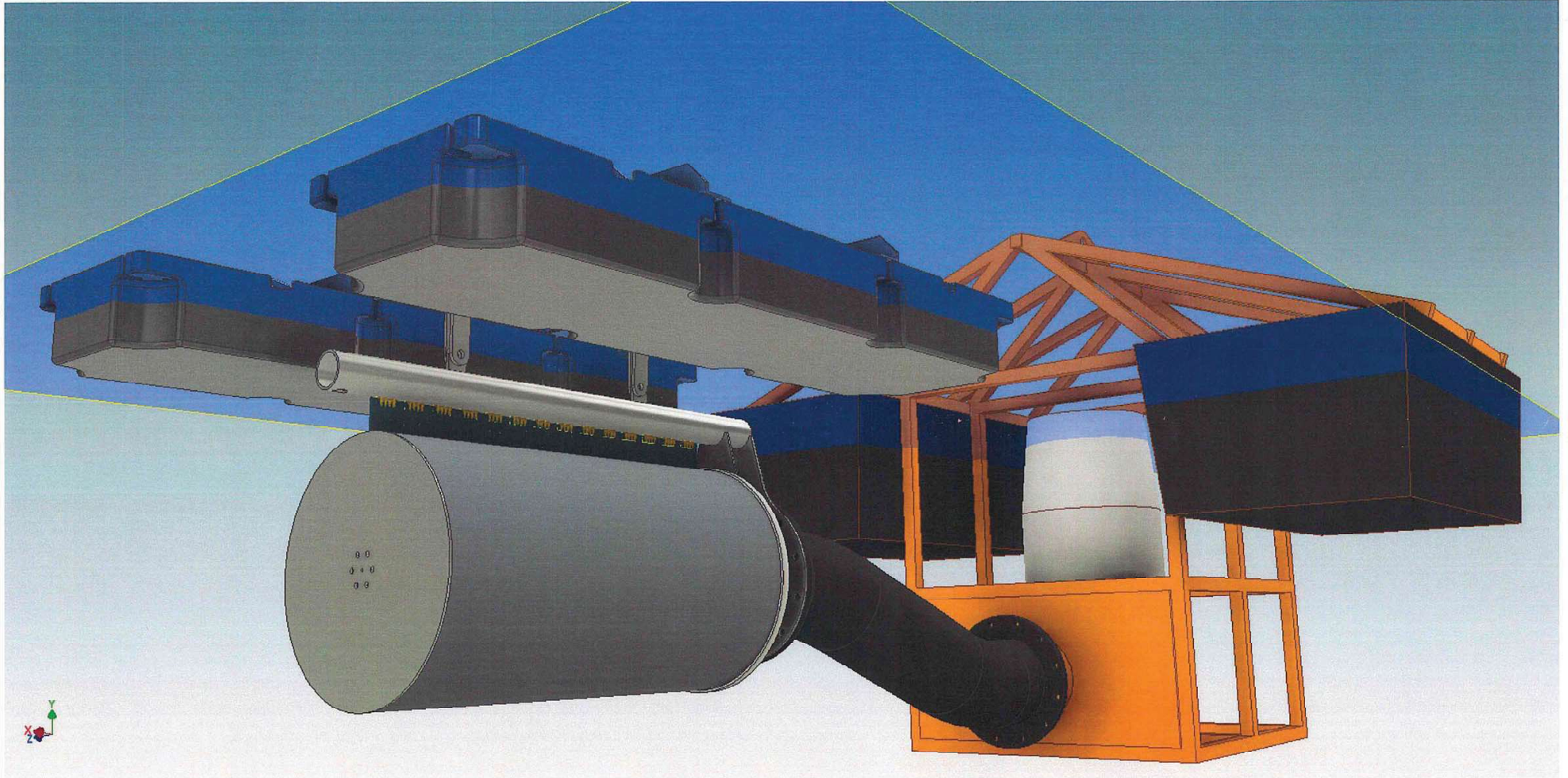
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CWD FILE NO.



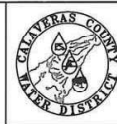


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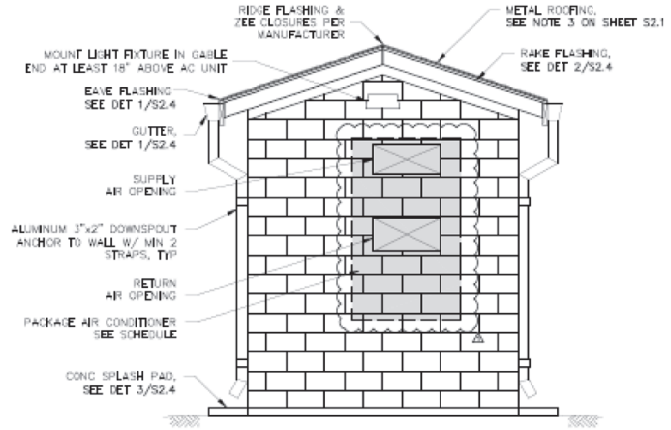
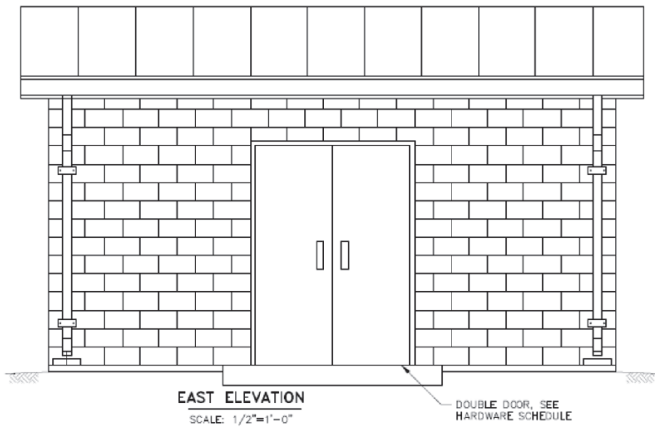
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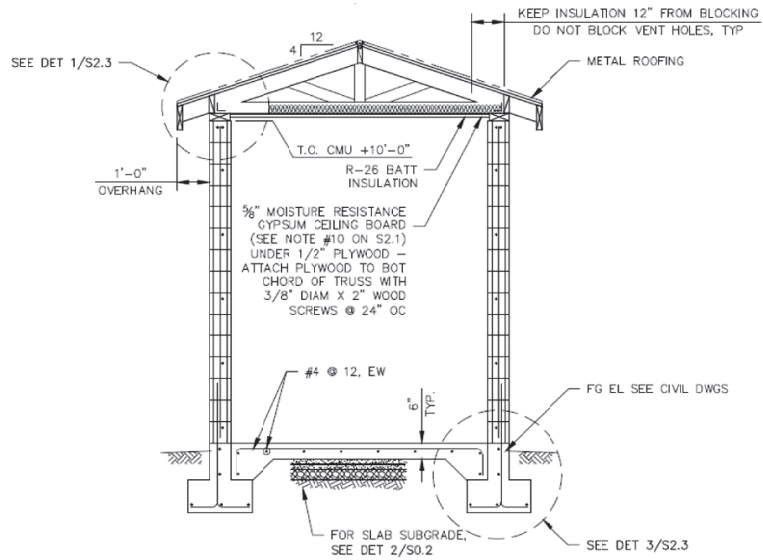
**CALAVERAS COUNTY  
 WATER DISTRICT**  
 180 TOMA COURT  
 P.O. BOX 244  
 SAN ANDREAS, CA 95240  
 (209) 754-3243 FAX: (209) 754-1009

HUNTERS RAW WATER INTAKE PUMPS  
 INTAKE SCREEN DETAILS

DRAWING NUMBER: D-02  
 SHEET NUMBER: 1 OF 1  
 FILENAME:  
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**SOUTH ELEVATION**

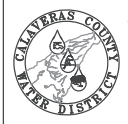


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**CALAVERAS COUNTY WATER DISTRICT**  
150 TOMA COURT  
P.O. BOX 646  
SAN ANTONIO, CA 95046  
(209) 754-3043 FAX: (209) 754-1050

HUNTERS RAW WATER INTAKE  
Masonry Mechanical/Electrical Building

DRAWING NUMBER <b>D-03</b>
SHEET NUMBER 3 OF 3
FILENAME
CADD FILE NO.



Calaveras County Water District  
FEMA-4431-DR-CA / Cal-OES HMGP  
Hunters Raw Water Intake Pumps  
Site Map / Hunters Reservoir-WTP, Avery CA



Area of Potential Effects (APE)



Equipment & Materials Staging Areas