



NOTICE OF THE PLANNING COMMITTEE/SPECIAL MEETING OF THE BOARD OF DIRECTORS

Thursday, February 13, 2025 at 9:30 AM

AGENDA

LOCATIONS:

Open Session to start at or after 9:30 a.m.

Marin Water Board Room – 220 Nellen Avenue, Corte Madera, CA 94925

Public Participation:

The public may attend this meeting in-person or remotely using the following methods:

On a computer or smart device, go to: <https://marinwater.zoom.us/j/86822995553>

By phone, dial: **1-669-444-9171** and use Webinar ID: **868 2299 5553**

HOW TO PROVIDE PUBLIC COMMENT:

During the Meeting: Typically, you will have 3 minutes to make your public comment, however, the board president may shorten the amount of time for public comment due to a large number of attendees. Furthermore, pursuant to Government Code, section 54954.2 (the Brown Act), the Board may not take action or discuss any item that does not appear on the agenda.

-- **In-Person Attendee:** Fill out a speaker card and provide to the board secretary. List the number/letter (ex: 6a) of the agenda item(s), for which you would like to provide a comment. Once you're called, proceed to the lectern to make your comment.

-- **Remote Attendee:** Use the "raise hand" button on the bottom of the Zoom screen. If you are joining by phone and would like to comment, press *9. The board secretary will use the last four digits of your phone number to call on you (dial *6 to mute/unmute).

In Advance of the Meeting: Submit your comments by email in advance of the meeting to boardcomment@marinwater.org. To ensure that your comment is provided to the Board of Directors prior to the meeting, please email your comment 24 hours in advance of the meeting start time. Comments received after this cut off time will be sent to the Board after the meeting. Please do not include personal information in your comment such as phone numbers and home addresses.

AGENDA ITEMS:

1. Call to Order and Roll Call

2. Adoption of Agenda

3. Public Comment on Non-Agenda Matters

This is the time when any person may address the Board of Directors on matters not listed on this agenda, but which are within the subject matter jurisdiction of the Board.

4. Regular Items (9:35 a.m. – Time Approximate)

a. Minutes of the Operations Committee Meeting/Special Meeting of the Board of Directors on January 17, 2025

RECOMMENDATION: Approve the minutes

b. San Geronimo Treatment Plant Roof Replacement Project (D21034)

RECOMMENDATION: Review and refer to a future regularly scheduled Board meeting for contract award for the San Geronimo Treatment Plant Roof Replacement Project

c. Alpine Barge Anchor and Pipe Float Replacement Project (D24010)

RECOMMENDATION: Review and refer to a future regularly scheduled Board meeting for contract award for the Alpine Barge Anchor and Pipe Float Replacement Project

d. Nicasio Spillway Modification Project Update

RECOMMENDATION: Receive a staff presentation on the District's efforts to advance the Nicasio Spillway Modification Project

e. Pine Mountain Tanks Phase 2 Project (D21043)

RECOMMENDATION: Review and refer to a future regularly scheduled Board meeting for contract award for the Pine Mountain Tanks Phase 2 Project and award of a separate professional services contract for construction management services in support of the Pine Mountain Tanks Phase 2 Project

f. Update on Near Term Drought Contingency Actions

RECOMMENDATION: Receive an update on near term drought actions available to the District

5. Upcoming Meeting

The next Planning Committee Meeting/Special Meeting of the Board of Directors will take place on Tuesday, March 25, 2025 at 9:30 a.m.

6. Adjournment (11:30 a.m. – Time Approximate)

ADA NOTICE AND HEARING-IMPAIRED PROVISIONS

In accordance with the Americans with Disabilities Act (ADA) and California Law, it is Marin Water's policy to offer its public programs, services, and meetings in a manner that is readily accessible to everyone, including those with disabilities. If you are an individual with a disability and require a copy of a public hearing notice, an agenda, and/or agenda packet in an appropriate alternative format, or if you require other accommodations, please contact the Board Secretary/ADA Coordinator at 415.945.1448, at least two business days in advance of the meeting. Advance notification will enable Marin Water to make reasonable arrangements to ensure accessibility.

Information agendas are available for review at the Civic Center Library, Corte Madera Library, Fairfax Library, Mill Valley Library, Marin Water Administration Building, and marinwater.org.

Posted: 02-07-2025



NOTICE OF THE OPERATIONS COMMITTEE MEETING/SPECIAL MEETING OF THE BOARD OF DIRECTORS

Friday, January 17, 2025 at 9:30 AM

MINUTES

LOCATIONS:

Open Session to start at or after 9:30 a.m.

Marin Water Board Room – 220 Nellen Avenue, Corte Madera, CA 94925

Public Participation:

The public attended this meeting in-person or remotely using the following methods: on a computer or smart device, <https://marinwater.zoom.us/j/86822995553>, or by phone, 1-669-444-9171 using Webinar ID #: 868 2299 5553.

AGENDA ITEMS:

1. Call to Order and Roll Call

Chair Larry Russell called the meeting to order at 9:30 a.m.

DIRECTORS PRESENT

Matt Samson

Jed Smith

Ranjiv Khush

Larry Russell

DIRECTOR ABSENT

Diana Maier

2. Adoption of Agenda

Director Smith made the motion to adopt the agenda. Vice Chair Khush seconded the motion.

There were no public comments.

Voting Yea: Directors Samson, Smith, Khush, and Russell

3. Public Comment on Non-Agenda Matters

There were two (2) public comments.

4. Regular Items

- a. Minutes of the Operations Committee Meeting/Special Meeting of the Board of Directors on December 20, 2024

RECOMMENDATION: Approve the minutes

Vice Chair Khush made the motion to approve the minutes. Director Samson seconded the motion.

There were no public comments.

Voting Yea: Directors Samson, Smith, Khush, and Russell

- b. Wildfire Preparedness

RECOMMENDATION: Receive a staff presentation on the District’s efforts to prepare for wildfire events and improve water system resiliency

Watershed Resources Director Shaun Horne, Engineering Director Alex Anaya, and Operations Director Darren Machado presented this item.

Discussion between the Board and staff occurred throughout the presentation.

There was one (1) public comment.

This was an information item. No formal action was taken.

- c. Professional Services Agreement for Northern Spotted Owl 2025 and 2026 Monitoring (MA-6390)

RECOMMENDATION: Review and refer a Professional Services Agreement with Point Blue Conservation Science in the amount of \$199,223 for two years of Northern Spotted Owl Survey work to a future regularly scheduled bi-monthly meeting of the Board of Directors to consider approval

Watershed Resources Director Horne introduced Natural Resources Program Manager Carl Sanders, who presented this item.

Discussion followed.

There were no public comments.

Director Samson made the motion to refer this item to the Board to be considered for approval at a future meeting. Vice Chair Khush seconded the motion.

d. Water System Master Plan Update and Amendment No. 3 to Agreement 5875

RECOMMENDATION: Receive an informational update on the Water System Master Plan, and review and refer to a future regularly scheduled Board meeting for approval Amendment No. 3 to Agreement 5875 with Woodard and Curran to extend the contract date and expand the scope of services to support ongoing capital infrastructure planning

Engineering Director Anaya introduced Planning Engineering Manager Elysha Irish, who presented this item.

Discussion between the Board and staff occurred throughout.

There were (2) public comments.

Director Samson made the motion to refer this item to the Board to be considered for approval at a future meeting. Vice Chair Khush seconded the motion.

e. Print, Mail and Payment Processing Services

RECOMMENDATION: Review and refer to a future regularly scheduled Board meeting an agreement with Paymentus Corporation for print, mail and payment processing services for the District’s utility billing

Finance Director Bret Uppendahl and Customer Services Manager Colleen Kanzaki presented this item.

Discussion ensued.

There were no public comments.

Director Samson made the motion to refer this item to the Board to be considered for approval at a future meeting. Vice Chair Khush seconded the motion.

5. Upcoming Meeting

Chair Russell announced that the next Operations Committee Meeting/Special Meeting of the Board of Directors was scheduled for February 14, 2025.

6. Adjournment

There being no further business, the Operations Committee Meeting/Special Meeting of the Board of Directors adjourned on January 17, 2025, at approximately 12 p.m.

Board Secretary



STAFF REPORT

Meeting Type: Planning Committee/Board of Directors
Title: San Geronimo Treatment Plant Roof Replacement Project (D21034)
From: Alex Anaya, Director of Engineering
Through: Ben Horenstein, General Manager
Meeting Date: February 13, 2025

TYPE OF ACTION: Action Information X Review and Refer

RECOMMENDATION: Review and refer to a future regularly scheduled Board meeting for contract award for the San Geronimo Treatment Plant Roof Replacement Project

SUMMARY: The San Geronimo Treatment Plant Roof Replacement Project (Project) will replace the existing leak prone roof membrane with a new Class A Fire Rated Thermoplastic Polyolefin (TPO) roofing membrane and add fall protection at the San Geronimo Treatment Plant. District Staff will make a recommendation for the contract award at a future regularly scheduled Board meeting.

DISCUSSION: The San Geronimo Treatment Plant Roof Replacement Project is a component of the District’s Capital Improvement Program. This project will replace the existing roof which is 21 years old and was last replaced in 2004. The TPO roof had an original fifteen-year (15) warranty and is past its useful life.

This Project aims to address critical issues including leaks, fire protection and the presence of localized dry rot at the facility, all of which compromise the integrity of the structure. To address these concerns, the District has selected a Class A Fire Rated roofing TPO membrane, ensuring improved fire protection and long-term durability, including a twenty-five (25) year warranty. The roof will incorporate a cover board beneath the membrane, which will allow for potential future installation of solar panels. All new roofing material will be installed on the existing fire proof concrete and metal roof deck. In addition to the necessary roof replacement, the project scope includes the installation of guardrails around the perimeter of the roof at the treatment plant and North Marin Line Pump Station. These guardrails will enhance safety by providing fall protection for personnel working in this area.

The Project will take place at the San Geronimo Treatment Plant in the unincorporated area of Woodacre, shown on the map provided in Attachment 1.

Summaries of the estimated Project costs and schedule are provided below.

Budget:

Engineer’s Estimate:	\$1,500,000
Contingency (15%):	\$225,000
Professional Fees	\$98,000
District Labor/Inspection:	\$125,000
Total Budget:	\$1,948,000
Budget Category:	A1A04

Project Implementation:

Project Advertisement:	February 18, 2025
Bid Opening:	April 1, 2025
Project Award:	April 15, 2025
Estimated Completion Date:	August 13, 2025
Duration:	120 days

ENVIRONMENTAL REVIEW: The Director of Engineering has determined that the Project is Categorically Exempt pursuant to California Environmental Quality Act (CEQA) Guidelines Section 15301(b), Existing Facilities and 15302(c), Replacement or Reconstruction. The Project qualifies for exemptions pursuant to Section 15301(b) inasmuch as it is a repair and maintenance activity on an existing facility and 15302(c) inasmuch as it is the replacement of existing roof involving negligible or no expansion of capacity.

FISCAL IMPACT: The total cost to complete the San Geronimo Treatment Plant Roof Replacement Project is estimated at \$1,948,000, which has been identified in the Capital Improvement Program budget.

ATTACHMENT(S):

- 1. Site Map



SAN GERONIMO TREATMENT PLANT ROOF REPLACEMENT PROJECT WOODACRE, CA

SIR FRANCIS DRAKE BLVD

PROJECT SITE

PROJECT SITE





STAFF REPORT

Meeting Type: Planning Committee/Board of Directors
Title: Alpine Barge Anchor and Pipe Float Replacement Project (D24010)
From: Alex Anaya, Director of Engineering
Through: Ben Horenstein, General Manager
Meeting Date: February 13, 2025




TYPE OF ACTION: Action Information X Review and Refer

RECOMMENDATION: Review and refer to a future regularly scheduled Board meeting for contract award for the Alpine Barge Anchor and Pipe Float Replacement Project

SUMMARY: The Alpine Barge Anchor and Pipe Float Replacement project will install new pipe floats, barge anchoring, connections, and appurtenances at the Alpine Pump Barges located on the Alpine Reservoir within District Watershed Lands. District Staff will make a recommendation for the contract award at a future regularly scheduled Board meeting.

DISCUSSION: The District transfers raw water from Alpine Reservoir up to Bon Tempe Reservoir through 5,300 feet of 24-inch and 30- inch diameter welded steel and HDPE pipe using two 200 HP floating barge pumps. The raw water transmission barge pumps and pipeline provide a critical operational function to the District as it is the only source of raw water supply from Alpine Reservoir to Bon Tempe Reservoir which supplements water production at the Bon Tempe Treatment Plant. The Alpine Barge Pumps and HDPE pipe were installed in 2009 and require ongoing maintenance due to the challenging marine environment, which accelerates degradation on essential components.

The Project will address the deteriorating condition of the barge anchoring system by replacing the existing anchors with six new 1,000-pound mooring anchors and connections. These upgrades will prevent the barges from drifting during operations, ensuring the stability and reliability of the barge system. Additionally, existing buoys between the pumping and manifold barges will be replaced with upgraded pipe floats. These floats are engineered to elevate the HDPE piping and suspend the electrical conduits, preventing undue stress on both the pipes and the electrical conduits. This enhancement will reduce the risk of exposure to water, minimizing the potential for electrical failures.

The Project will reduce the amount of staff time required to maintain the equipment and enhance the long-term operational reliability of the water transmission system.

Estimated costs for this project are shown below.

Budget:

Engineer’s Estimate:	\$50,000
Contingency (20%):	\$10,000
Materials:	\$52,000
District Labor/Inspection:	\$150,000
Total Budget:	\$262,000
Budget Category:	A1A05

Project Implementation:

Project Advertisement	February 11, 2025
Bid Opening:	February 25, 2025
Project Award:	March 18, 2025
Estimated Completion Date:	June 16, 2025
Duration:	90 days

ENVIRONMENTAL REVIEW: The Director of Engineering has found that the Project is Categorically Exempt pursuant to California Environmental Quality Act (CEQA) Guideline Section 15302 (c), Replacement of Reconstruction. The project qualifies for exemption pursuant of to Section 15302 (c) inasmuch as it is the replacement of existing barge anchors and buoys involving negligible or no expansion of capacity.

FISCAL IMPACT: The total cost to complete this Capital Improvement Program, Alpine Barge Anchor and Pipe Float Replacement Project is estimated at \$262,000, which has been identified in the CIP budget.

ATTACHMENT(S):

- 1. Site Map

MMWD CAPITAL IMPROVEMEMNT PROJECT
ALPINE BARGE ANCHOR AND PIPE FLOATS REPLACEMENT PROJECT
MARIN COUNTY
SPRING 2025

Section 4. Item #c.

Attachment 1



Alpine Reservoir

PUMPING BARGES

30" HDPE PIPE

ALPINE - BON TEMPE PUMP RD

BON TEMPE DAM RD

RAW WATER TRANSMISSION LINE
24" WSP

12" HDPE PIPE

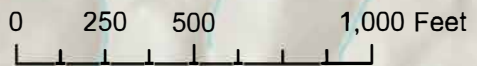
EMERGENCY BARGE

DISCHARGE HEADER

Bon Tempe Reservoir

NOTE:

- 1. REPLACE ANCHORS AND BUOYS AT PUMPING BARGES AND MANIFOLD BARGE
- 2. REPLACE ANCHORS AT EMERGENCY BARGE.





STAFF REPORT

Meeting Type: Planning Committee/Board of Directors
Title: Nicasio Spillway Modification Project Update
From: Alex Anaya, Director of Engineering
Through: Ben Horenstein, General Manager
Meeting Date: February 13, 2025

TYPE OF ACTION: Action X Information Review and Refer

RECOMMENDATION: Receive a staff presentation on the District’s efforts to advance the Nicasio Spillway Modification Project

SUMMARY: The District has been actively working on the Nicasio Spillway Modification Project to increase water system resiliency. Staff will present an update on the District’s efforts and next steps.

DISCUSSION: The District is in the early stages of the Nicasio Spillway Modification Project, which is one of the key near-term projects identified to improve the resilience of the District’s system. Two contracts have been executed so far to help further the project, one with Black and Veatch (B&V) to perform the engineering analysis and design and the other with Environmental Science Associates (ESA) to assist with environmental review and permitting and stakeholder engagement.

For the engineering aspect of this project, staff has been working through the preliminary engineering analysis including hydrologic and hydraulic assessments and yield studies needed to determine the potential storage increase as well as potential upstream and downstream impacts. Staff has identified three different spillway modification alternatives that are being analyzed based on different metrics such as potential storage increase, cost efficiency, permitting requirements, design and construction risks, environmental conditions, and operational and maintenance impacts. The design ultimately must be approved by the Division of Safety of Dams (DSOD) and staff is meeting regularly with DSOD to provide information and project updates.

Another critical component to this project is the environmental review and permitting process. While an initial study has not been completed for the project, which will indicate the level of review under the California Environmental Quality Act (CEQA), staff is anticipating the need for an environmental impact report or EIR, which is the highest level of CEQA review. Based on this, staff is working to develop the project description, a foundational component of the EIR. To inform the project permitting and environmental review, the District is conducting a downstream fisheries and hydrological study. Additionally, the District is conducting biological assessments and mapping wetlands to better

understand existing environmental conditions. Staff is also actively reaching out to various stakeholder groups and is regularly meeting with resource agencies and technical stakeholders through the Lagunitas Technical Advisory Committee.

This project is tentatively scheduled to have completed the necessary environmental review and have permits approved for this project in mid-2026, which would enable the project to move to construction.

ENVIRONMENTAL REVIEW: Not Applicable.

FISCAL IMPACT: None.

ATTACHMENT(S): None.



STAFF REPORT

Meeting Type: Planning Committee/Board of Directors
Title: Pine Mountain Tanks Phase 2 Project (D21043)
From: Alex Anaya, Director of Engineering
Through: Ben Horenstein, General Manager
Meeting Date: February 13, 2025

TYPE OF ACTION: Action Information X Review and Refer

RECOMMENDATION: Review and refer to a future regularly scheduled Board meeting for contract award for the Pine Mountain Tanks Phase 2 Project and award of a separate professional services contract for construction management services in support of the Pine Mountain Tanks Phase 2 Project

SUMMARY: The first phase of the Pine Mountain Tanks Replacement Project (Project) has been completed. Phase 1 work included the excavation of 45,000 cubic yards of soil, site grading, soil nail wall construction and site drainage improvements. This work was in preparation for Phase 2, which will construct two (2) two-million gallon tanks on Concrete Pipe Road. District will open construction bids for this project on March 4, 2025.

The construction of the pre-stressed concrete tanks will take four years to complete, involving extensive submittal review, request for information (RFI), and contractor and subcontractor coordination thus requiring a substantial time commitment to coordinate and successfully complete this phase of the Project. In support of this Project, staff have issued a request for proposals (RFP) from qualified construction management firms to support the construction management for the Project over the 4-year construction timeline. The District will receive proposals for these services on February 21, 2025.

Staff will make recommendations for award of the Phase 2 construction contract and the professional services agreement for construction management services at a future regularly scheduled Board meeting.

DISCUSSION: The Pine Mountain Tunnel Tanks Replacement Project is a multi-year two-phased project that will replace the existing Pine Mountain Tunnel. The Pine Mountain Tunnel is an 8,700-foot long tunnel built in 1919 to convey and treat water from Alpine Lake to San Rafael and the Ross Valley, now known as the Ross Valley System, which serves 44,000 District customers or roughly 23% of the District’s service area. Due to regulatory constraints, the District abandoned the tunnel as a

conveyance system in 1971, but retained the tunnel to provide storage (approximately 3 million gallons) and surge protection. The tunnel is well beyond its useful life. The District is in continuous communication with the State Water Resources Control Board regarding the District’s progress for the tunnel’s decommissioning and replacement.

As part of the Water System Master Plan, the District and its consultant, Woodard & Curran (Consultant), conducted a focused evaluation of the storage needed to replace Pine Mountain Tunnel and support the larger Ross Valley System, including a detailed review of the previous studies and assumptions to improve storage capacity and reliability in the Ross Valley System. A sizing study for the Ross Valley System determined the appropriate sizing of four million gallons for the storage needed to replace Pine Mountain Tunnel and elevations to achieve the District’s standard criteria for pressure zone sizing. Project siting alternatives were developed, with sites including locations that were previously analyzed as well as new potential storage site locations. The preferred project location for a storage facility to replace Pine Mountain Tunnel that best met the District’s needs was identified on Concrete Pipe Road near drainage culvert No. 5, also known as “CP5”.

On January 4, 2022, the Board of Directors authorized the General Manager to execute an amendment to the contract with Consultant for the final design package and bidding support services for the Project. The Consultant completed the final design of the first phase of the Project and supported staff during the advertisement and construction of the first phase. The Consultant has now completed the final design for the second phase of the Project, which includes the construction of the two (2) two million gallon pre-stressed concrete water storage tanks, yard system piping, final site improvements and backfill. This second phase of the Project will continue to have construction seasons between August 1st through January 31st to protect the Northern Spotted Owl nesting season, which spans between February 1st and July 31st.

Recognizing the 4-year construction period and complexity of the Phase 2 Project construction, Staff identified that additional outside resources would be necessary to successfully manage and execute this second phase of the Project.

The scope of the proposed construction management and administration services contract solicited under the RFP includes preparing and leading construction meetings, providing document management system for all project documentation, processing and logging contractor correspondence including submittals and RFIs, reviewing proposed change orders, issuing field directives and notices of non-compliance, reviewing payment requests and preparing progress payments, and supporting public communications.

Given the compressed construction window and multiyear construction timeframe, construction will be occurring at a high level of production each season to ensure timely completion of the Project. Having an experienced construction management team supporting Project construction will help ensure that the District can successfully complete this Project on time and within the budget.

Summaries of the estimated Phase 2 Project costs and schedule are provided below.

Budget:

Engineer’s Estimate*:	\$17,810,000
Contingency (11%):	\$1,960,000

Construction Management (10%)**:	\$1,780,000
Construction Engineering Services:	\$450,000
Testing & Geotech:	\$100,000
District Labor/Inspection:	\$447,000
Total Budget:	\$22,547,000
Budget Category:	A1A11

*Annual escalation included.
**Construction Management fee estimated for budgeting purposes.

Project Implementation:

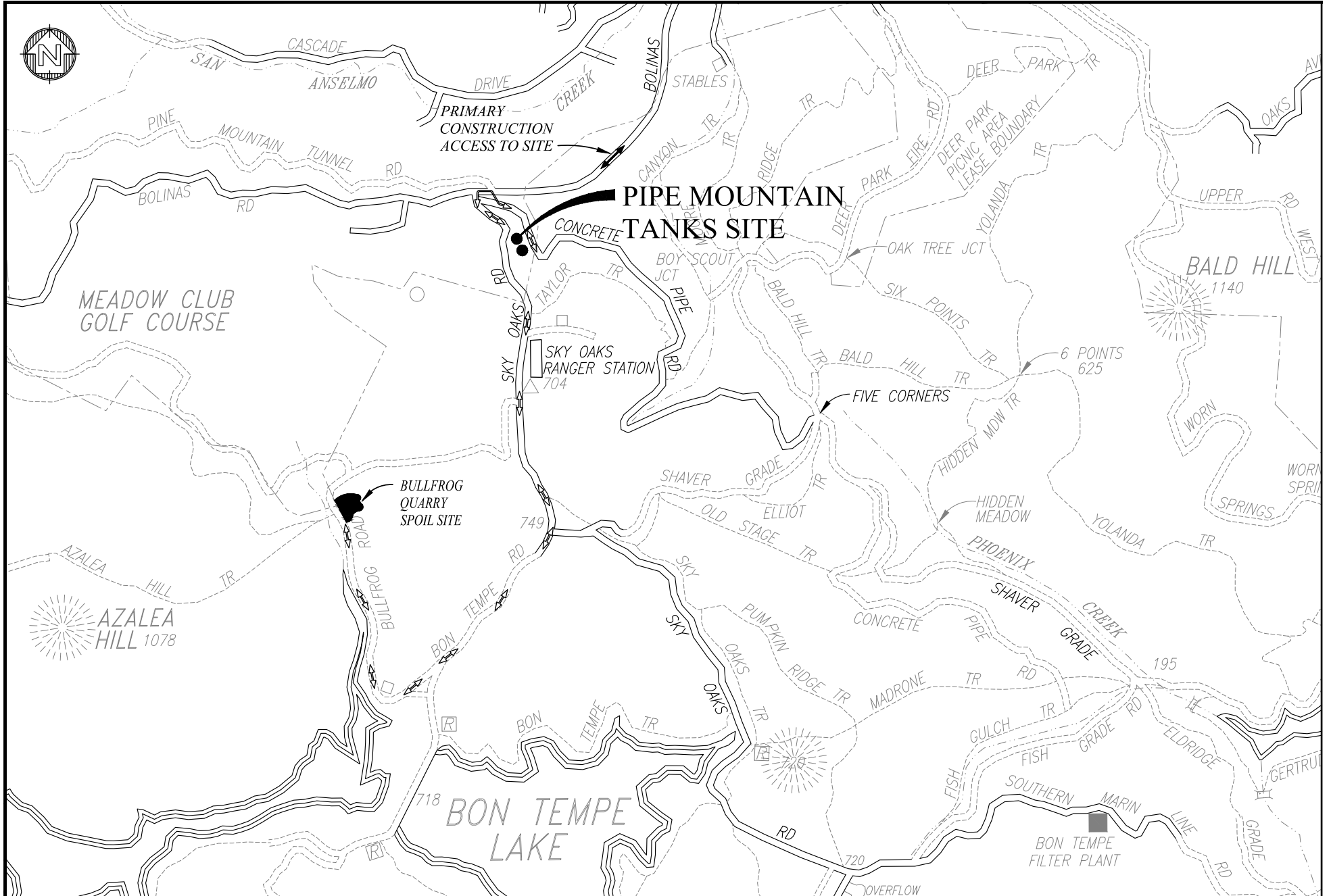
Project Advertisement:	January 30, 2025
Bid Opening:	March 4, 2025
Project Award:	March 18, 2025
Estimated Completion Date:	January 31, 2029
Duration:	730 days over four years

ENVIRONMENTAL REVIEW: On December 14, 2021, the Board of Directors adopted the Final IS/MND for the Pine Mountain Tunnel Tanks Replacement Project and approved the project conditioned upon completion of the MMRP. Staff will assure compliance with the MMRP.

FISCAL IMPACT: The total cost to complete Phase 2 of the Pine Mountain Tunnel Tanks Project is estimated at \$22,547,000, which has been identified in the Capital Improvement Program budget.

ATTACHMENT(S):

1. Site Map





STAFF REPORT

Meeting Type: Planning Committee/Board of Directors
Title: Update on Near Term Drought Contingency Actions
From: Paul Sellier, Water Resources Director
Through: Ben Horenstein, General Manager
Meeting Date: February 13, 2025

TYPE OF ACTION: Action X Information Review and Refer

RECOMMENDATION: Receive an update on near term drought actions available to the District

SUMMARY: On February 2023, the Board selected the Integrated Roadmap for improved water supply resiliency (Roadmap). Since that time, staff has been striving to implement the early action projects while in parallel working to advance evaluation of the longer term, more complex projects. While the District is actively pursuing water supply projects identified in the Water Supply Roadmap, many of the Roadmap projects are going to take time to implement and drought conditions may return before the a project is completed. In the absence of a water supply project staff will review the options available to respond to a near term drought.

DISCUSSION: The first response to drought is to take actions towards increased water conservation through various measures available to the District. These actions can be implemented relatively quickly compared to developing a new water supply. The District has adopted a Water Shortage Contingency Plan that is designed to reduce demand by implementing dry year restrictions on water use by District customers. There are increasing levels of restriction on water use, which correspond to the severity and duration of the drought. The goal of the Water Shortage Contingency Plan is to stretch the District’s available water supply in response to water shortage conditions. Staff will review the Water Shortage Contingency Plan along with options to potentially increase supply during a drought.

ENVIRONMENTAL REVIEW: Not applicable.

FISCAL IMPACT: None.

ATTACHMENT(S): None.