

West Lake Tahoe Regional Water Treatment Plant Mandatory Pre-Bid Meeting



February 22, 2021

Introductions

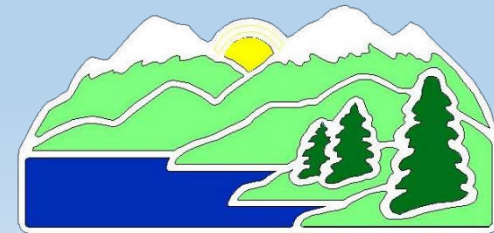
Project Design Team

- Todd Reynolds, Water Technology Designer, Kennedy/Jenks Consultants
- Spencer Archer, Construction Project Manager, Kennedy/Jenks Consultants
- Chris Anderson, Civil Design Project Manager, Auerbach Engineering

Project Owner: Tahoe City Public Utility District

- Tony Laliotis, Director of Utilities
- Charley Miller, Engineering Manager
- Cory Allison, Administrative Technician
- Sarah Hussong Johnson, Senior Civil Engineer

Pre-Qualified Contractors Attendees Roll Call



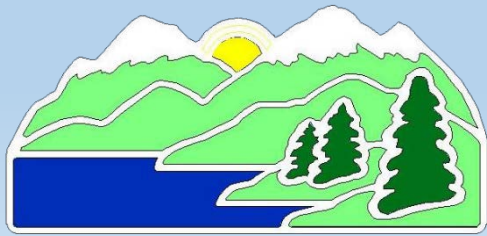
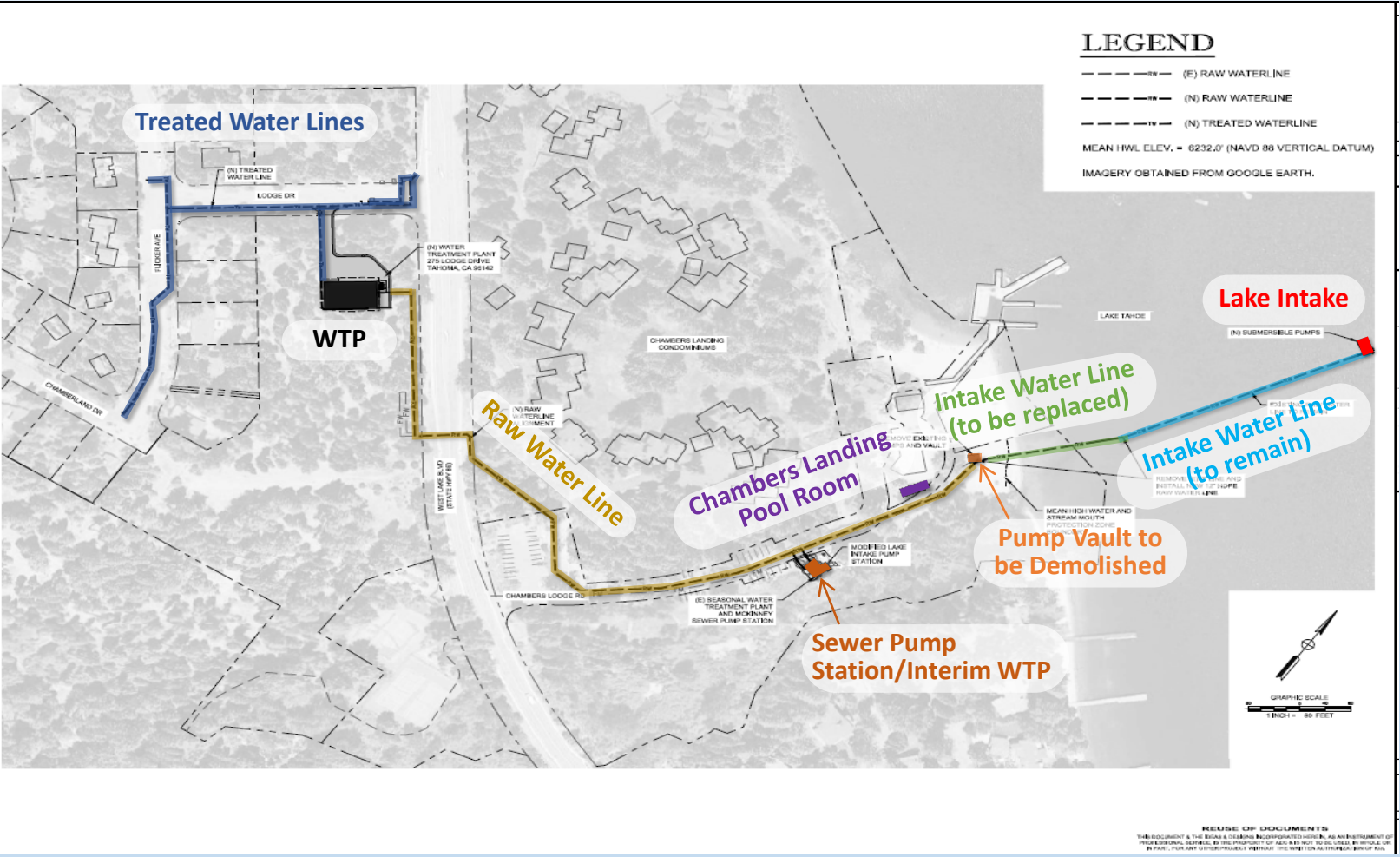
Project Description

1 MGD water treatment plant (WTP) as described in the Project Contract Documents, which includes:

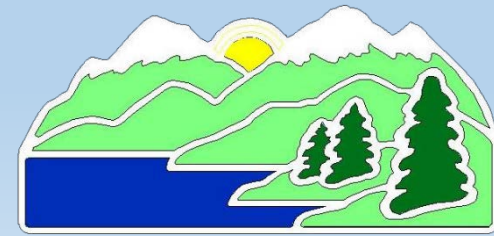
- Demolition of existing Interim WTP including existing pump vault on the beach, 250 feet of 6-inch steel water line in Lake Tahoe, existing electrical and controls equipment in Chambers Landing, existing water treatment equipment;
- Construction of submersible pump station and approximately 250 linear feet of 10-inch nominal inside diameter HDPE raw water line in Lake Tahoe;
- Construction of 1,250 linear feet of 10-inch nominal inside diameter HDPE raw water line from Lake Tahoe to new WTP and 300 linear feet of 36-inch ductile iron raw water line;
- Reconstruction of an existing sewer pump station building with new 3-phase power feed, generator, and integration of the Lake Intake Pump Station electrical and control equipment;
- Construction of a 4,000 sf WTP building with membrane filtration and UV disinfection systems including chemical feed systems, treated water pump station, above-ground treated water clearwell tank, generator, motor control center, PLC-based control system with a Wonderware SCADA System, associated piping, instrumentation, and electrical work;
- Assumption of District pre-procured membrane filtration and ultraviolet (UV) light disinfection water treatment equipment contracts including fabrication, delivery, start-up, and testing of equipment;
- Construction of 1,200 linear feet of 8-inch and 12-inch PVC treated water line with new water services; and
- Associated civil site improvements including grading, paving, drainage, landscaping.



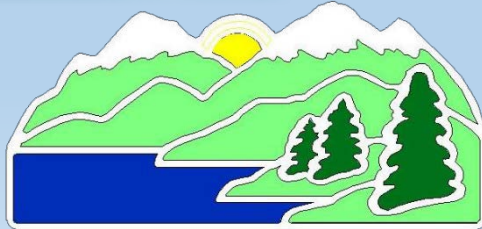
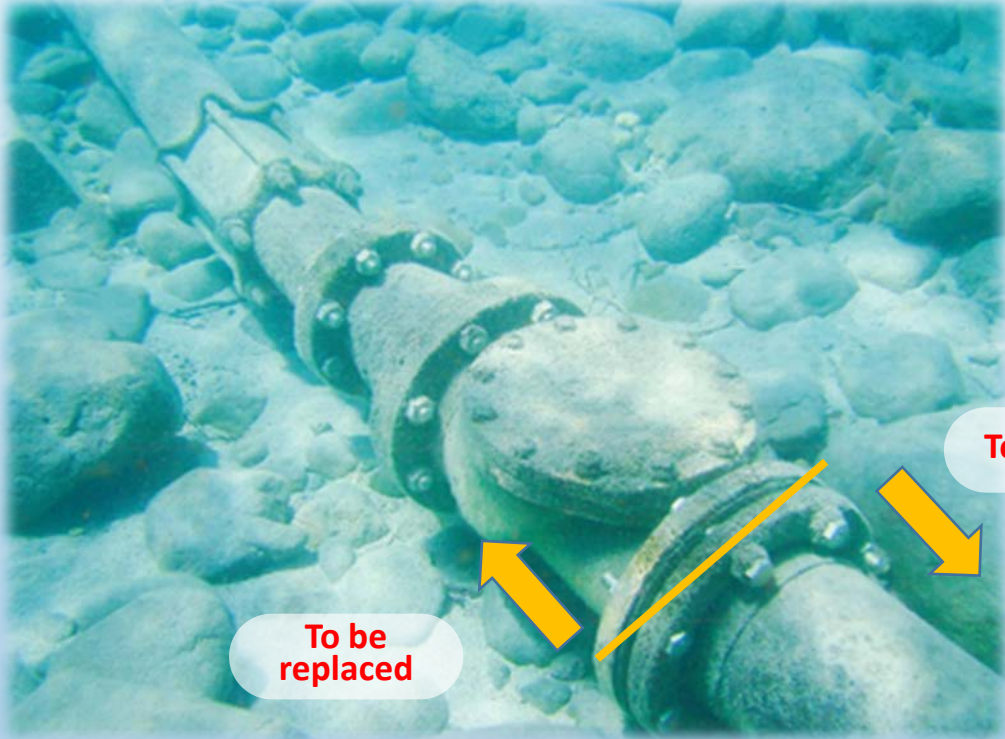
Project Overview (Drawing G-7)



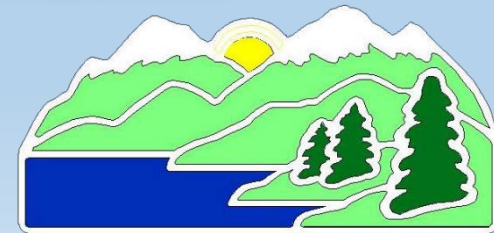
Existing Facilities – Lake Intake



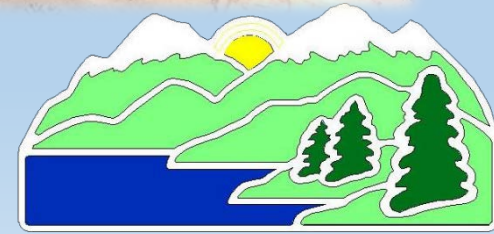
Existing Facilities – Intake Water Line



Existing Facilities – Pump Vault



Existing Facilities – Pump Vault



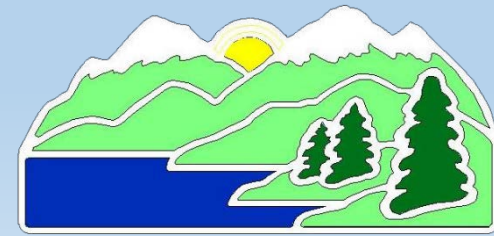
Existing Facilities - Chambers Landing Beach Access



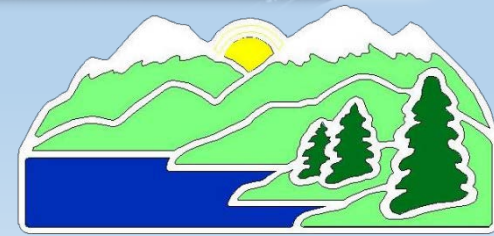
Existing Facilities – Chambers Pool Room



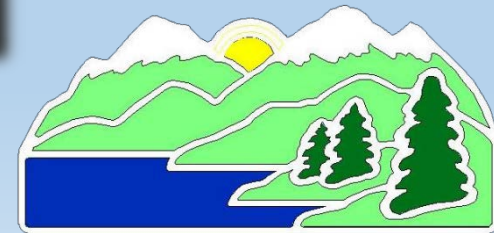
Existing Facilities – Chambers Pool Room



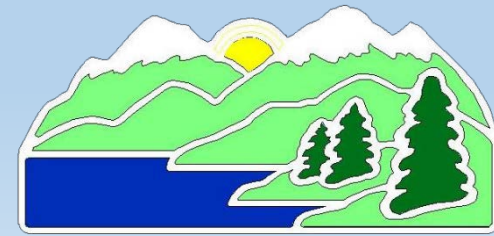
Existing Facilities – Interim WTP & Sewer Pump Station



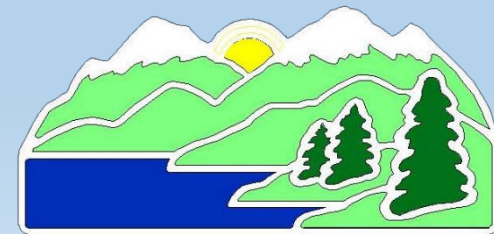
Existing Facilities - Interim WTP



Existing Facilities – Sewer Pump Station

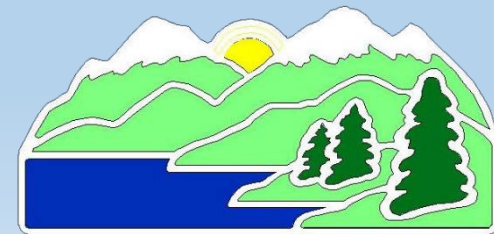


Lodge Drive WTP Parcel



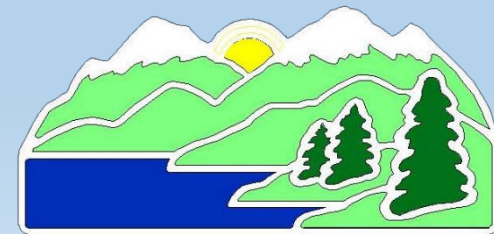
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WTP Rendering



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WTP Rendering



February 22, 2021

Re-Bid Document Modifications

Specification Section 01010 – Summary of Work

- Work in Lake Tahoe
- Contract Time and Milestones

Specification Section 01300 – Submittals

- Appendix A Submittal Register

Technical Specifications & Drawings

- Updated in Response to Original Bid Questions
- Temporary Construction Easement Limits



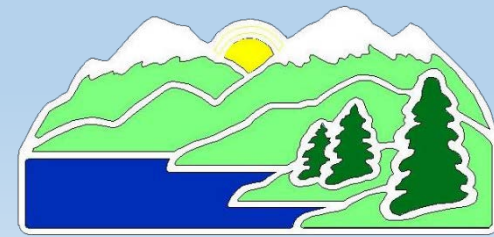
Work Considerations

Specification Section 01010 – Summary of Work

- Tahoe Regional Planning Agency (TRPA) Seasonal Grading Limitations
 - no excavation/grading between October 15 – May 1
- Work in Lake Tahoe
- Chambers Landing Easements and Work Limitations
- Existing Sewer Pump Station Operation
- Pre-Purchased Water Treatment Equipment
- Storm Water Pollution Prevention Plan (SWPPP)
- California State Revolving Fund (SRF) Funding

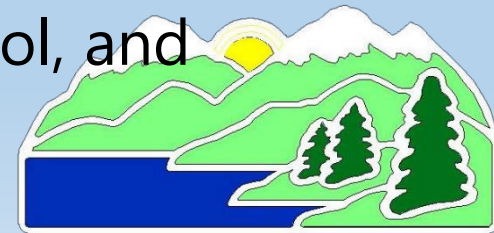


Work in Lake Tahoe, Chambers Landing, & U.S. Forest Service (Drawing G-11)



Work in Lake Tahoe, Chambers Landing, & U.S. Forest Service

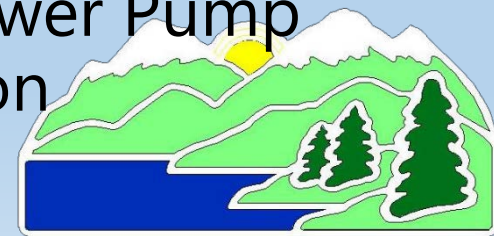
- Drawing G-11: Work Areas 1, 3, 5 and 6 are all subject to easement and permit work limitations
- Work shall not be performed on Chambers Landing property and in Lake Tahoe from **Memorial Day to Labor Day** of any given year
- Work in Lake Tahoe not subject to TRPA Seasonal Grading Limitation
- Bid Document 00420 – Bidder's Specialty Subcontractor and/or Contractor Qualifications
 - Qualifications Requirements for Underwater Construction Subcontractor and/or Contractor
- Maintain public access to Chambers Landing restaurant, bar, pool, and beach facilities and to Lake Tahoe throughout the Work



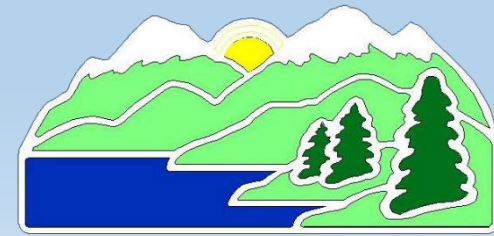
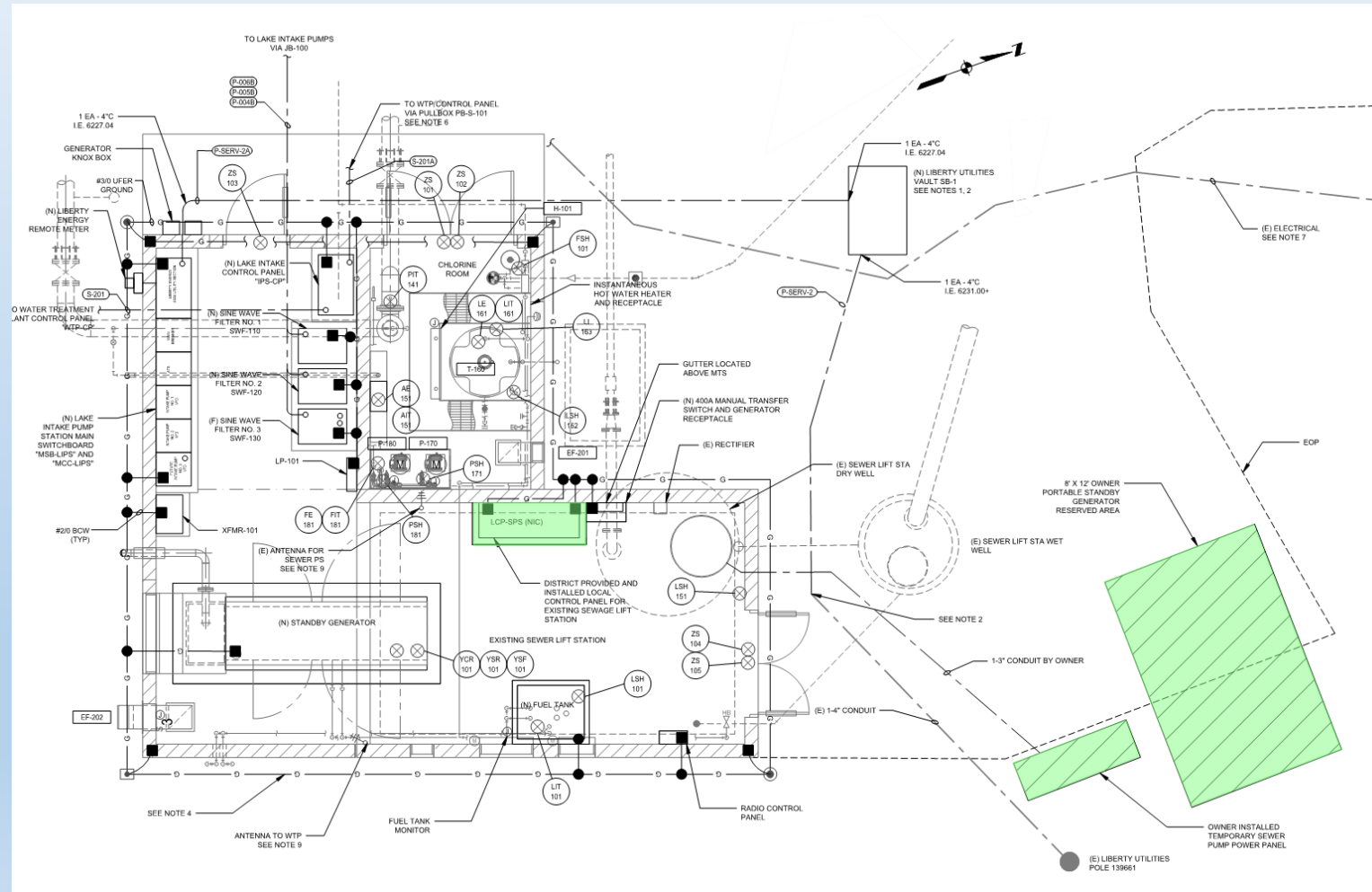
Sewer Pump Station

Specification Section 01010 – Summary of Work

- Sewer Pump Station to Remain Operational Throughout Construction
- Contractor to Coordinate with TCPUD Operations
- TCPUD/ Liberty Energy to Provide New 480V, 3-Phase Temporary Power Service to Sewer Pump Station in Advance of Construction
- TCPUD to Reconfigure Backup Power in Advance of Demolition
- Contractor to Protect Temporary Power Service and Backup Power
- Contractor to Coordinate with TCPUD/Liberty Energy for Sewer Pump Station Temporary Power Disconnect/New Power Connection

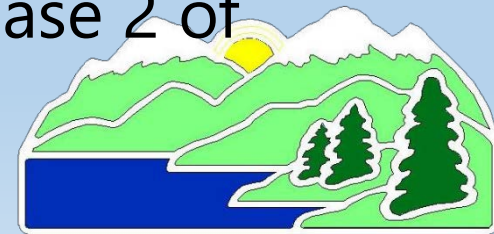


Sewer Pump Station (Drawing E-34.1)

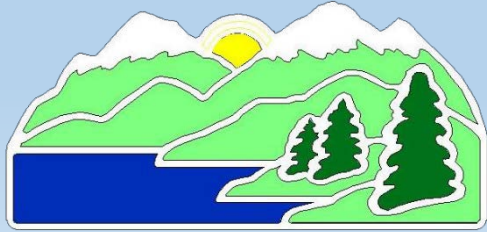
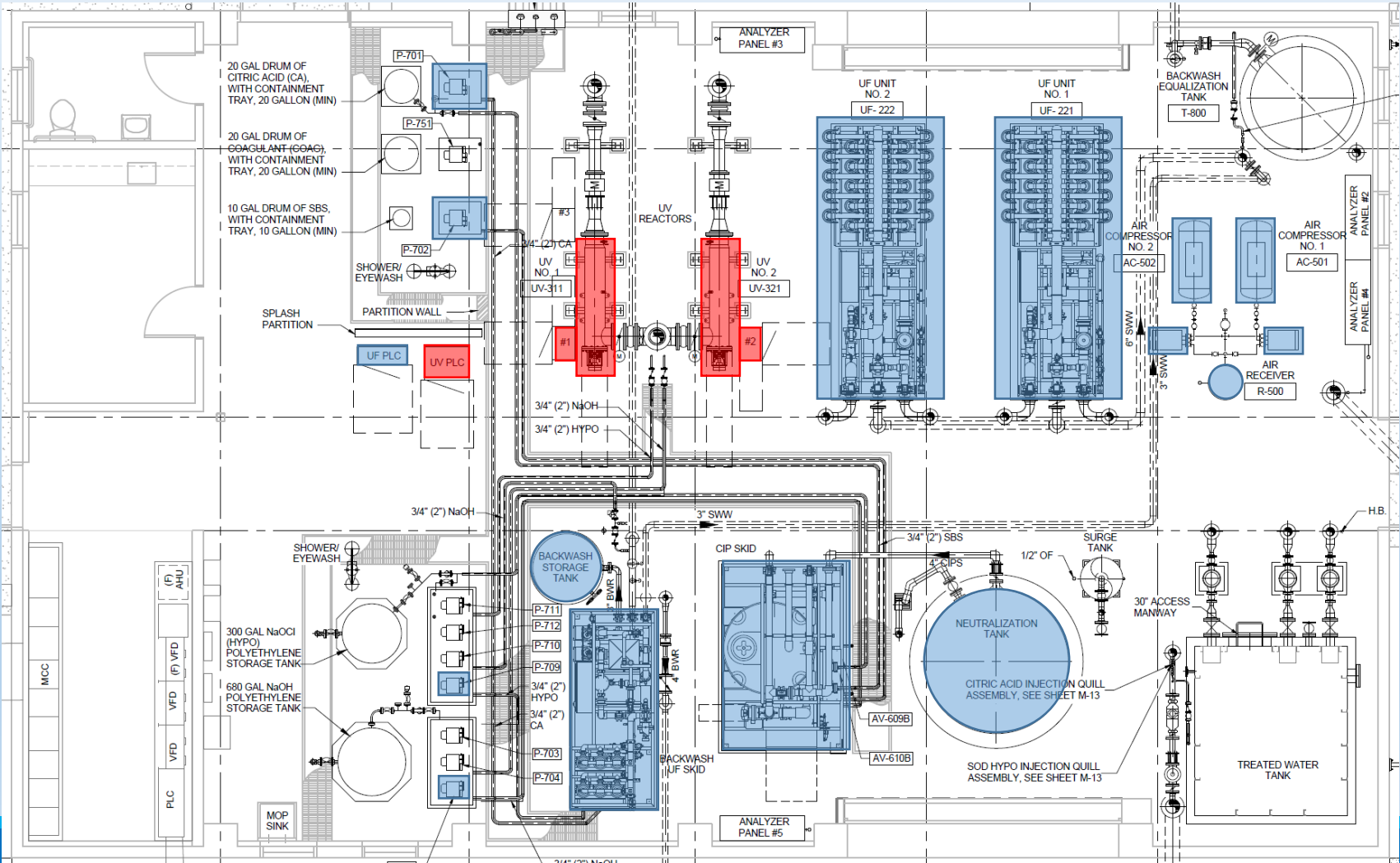


Pre-Purchased Water Treatment Equipment

- Membrane Filtration Equipment: WesTech Engineering, Inc. (Westech)
 - Document 00010 – Invitation to Bids for Westech contact information
 - Contract Documents Appendix H for contract, Submittals, and Bid Documents
- Ultraviolet (UV) Light Disinfection System Equipment: Xylem Water Solutions USA/Wedeco Products (Xylem)
 - Document 00010 – Invitation to Bids for Xylem contact information
 - Contract Documents Appendix I for Contract, Submittals, and Bid Documents
- Bid Document 00751 – Assignment and Assumption of Phase 2 of Equipment Procurement Contract

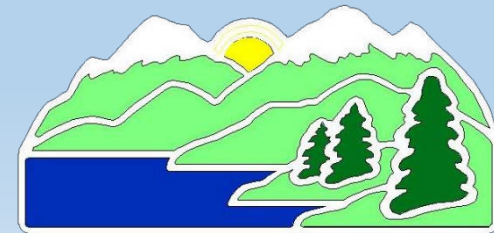


Pre-Purchased Water Treatment Equipment



Water Treatment Plant

- Bid Document 00420 – Bidder's Specialty Subcontractor and/or Contractor Qualifications
 - Qualifications Requirements for Instrumentation and Controls (I&C) System Integrator Subcontractor and/or Contractor
- Document Number 00750 – Specific Materials
 - List of Sole Source Specific Materials for the Project



Regulatory Requirements

Specification Section 01140 – Temporary Controls for Env. Protection

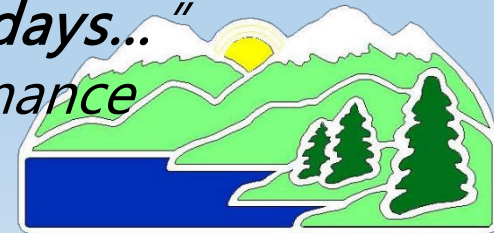
- Tahoe Regional Planning Agency – Public Service Application
- Placer County – Encroachment Permit
- Caltrans – Encroachment Permit
- CA Dept. of Fish & Wildlife – Streambed Alteration Agreement
- US Army Corp of Engineers – Nation-Wide Permit 12 (Utility Line)
- Lahontan RWQCB - 401 Water Quality Certification
- Stormwater Pollution Prevention Plan
- Mitigation, Monitoring and Reporting Program



Funding Requirements

Specification Section 00441 – SRF Funding Requirements

- American-made Iron and Steel Products
 - Implementation of American Iron and Steel Provisions of P.L. 113-76, Consolidated Appropriations Act, U.S. EPA, March 20, 2014
- Davis-Bacon Wage & State Prevailing Wage
- Disadvantaged Business Enterprise (DBE) Requirements
 - Guidelines for Meeting the California State Revolving Fund Program DBE Business Enterprise Requirements, CSWRCB, December 2016
 - Must perform Six Good Faith Efforts (GFE)
 - *“Make information on forthcoming opportunities available to DBEs. Post solicitations for bids or proposals for a minimum of 30 calendar days...”*
 - **Required Bid Submittal:** Form 4500-3 *DBE Subcontractor Performance Form* and Form 4500-4 *DBE Subcontractor Utilization Form*



Contract Time and Milestones

Specification Section 01010 – Summary of Work

Construction Element	Start	End	Milestone
Grading Season One	May 3, 2021	October 15, 2021	N/A
Notice to Proceed (anticipated)	June 1, 2021	--	N/A
Work in U.S. Forest Service and Chamber Landing property easements	September 7, 2021	October 15, 2021	N/A
Work in Lake Tahoe	September 7, 2021	May 27, 2022	N/A
Year One – Site Winterization	--	October 15, 2021	N/A
Grading Season Two	May 2, 2022	October 14, 2022	N/A
Work in U.S. Forest Service and Chamber Landing property easements	May 2, 2022	May 27, 2022	N/A
	September 6, 2022	October 14, 2022	N/A
Work in Lake Tahoe	September 6, 2022	May 26, 2023	N/A
WTP & Lake Intake Pump Station Buildings: Complete Underground Foundation	--	October 14, 2022	Milestone 1
Year Two – Site Winterization	--	October 14, 2022	N/A
Grading Season Three	May 1, 2023	October 13, 2023	N/A
Work in U.S. Forest Service and Chamber Landing property easements	May 1, 2023	May 26, 2023	N/A
	September 5, 2023	October 13, 2023	
Work in Lake Tahoe	September 5, 2023	January 31, 2024	N/A
Final Site Stabilization	--	October 13, 2023	N/A
Substantial Completion	--	January 31, 2024	Milestone 2
Final Completion	--	February 29, 2024	Milestone 3



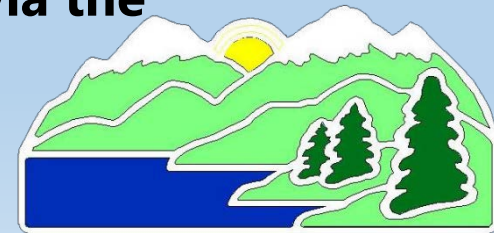
Bid Timeline

Document Number 00010 – Invitation to Bid
Document Number 00100 – Instructions to Bidders

- Project Advertisement February 5, 2021
- **Mandatory** Pre-Bid Site Walk February 24, 2021
 - 10:00 AM or 2:00 PM local time
- Bid Information/Question Submittal Deadline March 24, 2021
- Bid Opening - 2:00 PM local time March 31, 2021
- Bid Escrow Documents
 - w/in 2 days of the date of Notice to Intent to Award

All requests for information or clarification must be submitted in writing via the District's PlanetBids portal

<https://pbsystem.planetbids.com/portal/43088/portal-home>



Thank You

