

ADDENDUM NO. 3

PROJECT: A1/A2 Reservoirs and B/C Booster Pump Station Project

CIP NO.: GW-0112

FROM: District Engineer
Marina Coast Water District
11 Reservation Road
Marina, CA 93933

ISSUED: January 26, 2021

TO: **Prospective Bidders**

This Addendum forms a part of the Bidding Documents and will be incorporated into Contract Documents. Insofar as the Specifications or Drawings or both are inconsistent, this Addendum governs. Acknowledge receipt of the Addendum by inserting its number in Document 00410 – Bid Form. **FAILURE TO DO SO WILL SUBJECT BID TO DISQUALIFICATION.**

PART 1 – BIDDER INFORMATION ITEMS

- A. The Bid Date remains unchanged, 2:00 on February 24, 2021. The bid location is changed to 920 Second Avenue, Suite A, Marina, CA 93933.
- B. The site walk date and time is changed to Friday, January 29, 2021 at 11:00 a.m. The location is still the Reservoir 2 site behind Windy Hill Park in Marina, CA.
- C. The presentation slides from the Pre-Bid Meeting are attached.
- D. The CSUMB Campus is holding classes remotely this semester. Assume that faculty and students will return starting with the summer session in 2021.

PART 2 - CHANGES TO PROJECT MANUAL

- A. Document 00 11 00, Invitation to Bidders, the following items are revised:
 - The bid opening location is changed to: **920 Second Avenue, Suite A, Marina, CA 93933.**
 - 1. The site visit date/time is changed to **11:00 a.m. on Friday, January 29, 2021.**
- B. Section 01 11 00, Summary of the Work, is reissued with additions (attached).

PART 3 - CHANGES TO DRAWINGS

- A. Sheet C-013, add the following note:
 - 5. Provide an ADA accessible by-pass around the pipeline construction when the work crosses the existing paved path.

PART 4 – QUESTIONS RECEIVED

Q2 Can the site walk be rescheduled due to the heavy rainfall in the weather forecast?

A1 Yes. The site walk is rescheduled as noted above.

Q1 When will notice to proceed be issued?

A1 NTP will be issued right after signed contracts, bonds and insurance certificates are received. Contract award is tentatively scheduled for the March 15, 2021 MCWD Board Meeting.

END OF DOCUMENT

SECTION 01 11 00
SUMMARY OF WORK

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Description of Work
- B. Construction Sequence
- C. Contractor Use of Site
- D. Owner-Furnished Equipment
- E. Activities by Others
- F. Project Meetings

1.02 DESCRIPTION OF WORK

- A. The Work includes, but is not limited to, the following items:
 - 1. Provide new A1/A2 Reservoirs including piping, valves, and appurtenances;
 - 2. Provide new B/C Booster Pump Station including three 150 hp pumps, three 75 hp pumps, piping, valves, appurtenances, and motor control center;
 - 3. Remove existing 170 LF of 15” sanitary sewer pipe and 160 LF of 6” water pipe;
 - 4. Provide new ductile iron yard piping in sizes ranging from 6-inch to 30-inch, with associated valves and fittings;
 - 5. Provide 830 LF of 24” DIP, 820 LF of 18” DIP and 310 LF of 16” DIP from 6th Ave to the pump station, with associated valves and fittings;
 - 6. Provide 1,100 LF of 24” DIP in Imjin Parkway, with associated valves and fittings;
 - 7. Provide 630 LF of 12” DIP from 5th Ave to the pump station, with associated valves and fittings;
 - 8. Provide conduits, transformer pad and associated items for the new primary electrical service;
 - 9. Provide 310 LF of 15” HDPE storm pipe in the yard, with 5 manholes and 6 catch basins;
 - 10. Provide 655 LF of 15” HDPE storm pipe in 5th Avenue, with 2 manholes and an outlet headwall;
 - 11. Provide 360 LF of 28” HDPE sanitary sewer pipe in the yard, with 4 manholes;
 - 12. Relocate and install the existing 600 kW emergency generator with sound enclosure and automatic transfer switch from the existing booster pump station to the new booster pump station;
 - 13. Provide new flow meter and chlorination dosing system at Intermediate Reservoir; and

14. Provide a 300 kW emergency generator with sound enclosure and equipment pad at the Intermediate Reservoir.

1.03 CONSTRUCTION SEQUENCE

- A. The existing water well field transmission main ends at the existing Sand Tank and B/C Zone booster pump station, near the intersection of California Avenue and Imjin Parkway. The C-Zone transmission main runs south from that site along the 6th Avenue alignment to the C-Zone Reservoir at Gigling Road. This project relocates the B/C Booster Pump Station to a site near 8th Street and 6th Avenue.
- B. The Work includes converting a portion of the existing C-Zone transmission main to an A-Zone transmission main, by-passing the existing pump station. This requires cutting in new tees and valves on the existing C-Zone transmission main at two locations. Schedule the shut-downs for this cut-in work to occur during low-water demand periods (winter months, preferably during CSUMB winter or spring break). Coordinate the shut-downs with the Owner's staff.
- C. The new A-Zone Reservoir and B/C Booster Pump Station must be substantially complete and in-service before the work at the Intermediate Reservoir site can begin.
- D. Work elements at the new site required to place the new B/C BPS into service include:
 1. Tree and pavement removal.
 2. Relocate the existing sanitary sewer.
 3. Complete all other underground piping (water and storm).
 4. Complete the building foundation and walls.
 5. Backfill around the building and complete the tank foundations.
 6. Construct pipelines to 6th Avenue (A-, B- and C-Zone)
 7. Construct B-Zone pipeline to 5th Avenue (if included)
 8. Complete the other site grading work.
 9. Complete the pump station building, including mechanical and electrical installations.
 10. Complete Reservoir A1 (and A2, if included)
 11. Connect PG&E electrical service
- E. Work elements at other sites required to place the new B/C BPS into service include:
 1. 24-inch water pipeline in Imjin Parkway
 2. Radio and antenna at Reservoir 2
 3. New storm drain pipeline in 5th Avenue
 4. New access gates in Marina Corp Yard
 5. SCADA system integration
- F. Start-up sequencing (major items only)
 1. Fill and test Reservoir A1. Fill using new 24-inch pipeline fed from existing C-Zone transmission main. This requires manually operating the valve at 6th Avenue.
 2. Fill and test Reservoir A2 (if included)
 3. Test all SCADA connectivity and control logic.

4. Test the B- and C-Zone booster pumps. Close the 24-inch A-Zone valve at 6th Avenue to operate off the A Reservoir(s) only.
 5. Site visit/inspection by Division of Drinking Water staff
 6. Convert the C-Zone transmission main to A-Zone.
 - a. Close the valve feeding the Sand Tank (by Owner)
 - b. Open the valves feeding the existing 18-inch A-Zone pipeline (if not already in service).
 - c. Close the A- to C-Zone valve added to the C-Zone transmission main in 6th Avenue and open the branch valves to the pump station.
 - d. Close the C-Zone valve and open the A-Zone valve at the new tee installed on Imjin Parkway (east end of pipeline)
 7. Test the new booster pump station under SCADA control.
- G. Work elements that may follow start-up:
1. Transfer the 600 kW generator from the existing B/C BPS to the new B/C BPS
 2. Final grading, paving and fencing
- H. Work elements that may not occur until after start-up:
1. Work at the Intermediate Reservoir site.
 2. Disconnect the C-Zone transmission main at Imjin Parkway and install a blind flange at the valve.
 3. Install a blind flange between the A- and C-Zones in 6th Avenue.
 4. Empty the Sand Tank (pump to B-Zone from existing BPS, by Owner)

1.04 CONTRACTOR USE OF SITE

- A. The A1/A2 Reservoir and B/C Booster Pump Station are located within CSUMB property. Work is subject to the conditions of the CSUMB construction permit.
- B. A portion of the Work is within City of Marina owned land and subject to the conditions of the City of Marina Encroachment Permit. The encroachment permit application is at Appendix B of the Project Manual.
- C. Contractor shall coordinate any additional staging and storage areas per Section 01 55 00.

1.05 OWNER-FURNISHED EQUIPMENT

- A. The Owner's existing 600 kW engine generator set shall be transported from the existing B/C Zone Booster Pump Station and installed at the new site as part of the Work.

1.06 ACTIVITIES BY OTHERS

- A. Activities by others that may affect performance of the Work:
 1. City of Marina, Imjin Parkway Roadway Improvements
 2. California State University, Monterey Bay, academic schedule
 3. Marina Coast Water District, recoating of Intermediate Reservoir

1.07 PROJECT MEETINGS

A. Preconstruction Conference:

1. Prior to the commencement of Work at the site, one preconstruction conference will be held at a mutually agreed time and place which shall be attended by the Contractor's Project Manager, its Superintendent, and its Subcontractors as the Contractor deems appropriate. Other attendees will be:
 - a. Engineer.
 - b. Representatives of Owner.
 - c. Representatives of Property Owner.
 - d. Governmental representatives as appropriate.
 - e. Others as requested by Engineer, Contractor, or Owner.
2. The purpose of the conference is to designate responsible personnel and establish a working relationship. Matters requiring coordination will be discussed and procedures for handling such matters established. The complete agenda will be furnished to the Contractor prior to the meeting date. However, the Contractor should be prepared to discuss all of the items listed below.
 - a. Status of Contractor's insurance and bonds.
 - b. Contractor's tentative schedules.
 - c. Processing applications for payment.
 - d. Maintaining record documents.
 - e. Critical work sequencing.
 - f. Field decisions and Change Orders.
 - g. Use of project site, office and storage areas, security, housekeeping, and Owner's needs.
 - h. Major equipment deliveries and priorities.
 - i. Contractor's assignments for safety and first aid.
3. The Engineer will preside at the preconstruction conference and will arrange for keeping and distributing the minutes to all persons in attendance.
4. The Contractor and its Subcontractors should plan on the conference taking 2 hours.

B. Progress Meetings:

1. The Contractor shall attend regular on-site progress meetings at least weekly -and at other times as requested by Engineer or as required by progress of the Work. The Contractor, Engineer, and all Subcontractors active on the site must attend each meeting. Contractor may at its discretion request attendance by representatives of its Suppliers, manufacturers, and other Subcontractors.
2. The Engineer shall preside at the meetings and will arrange for keeping and distributing the minutes. The purpose of the meetings will be to review the progress of the Work, maintain coordination of efforts, discuss changes in scheduling, and resolve other problems which may develop. During each meeting, the Contractor is required to present any issues which may impact his work, with a view to resolve these issues expeditiously.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION

Marina Coast Water District Pre-Bid Meeting A1/A2 Reservoirs and B/C Zones Booster Pump Station Project



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Schaaf & Wheeler
CONSULTING CIVIL ENGINEERS

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Sign-In

- This meeting is Mandatory
- Please use the Chat feature and enter your Name, Company and e-mail address
- Also, all participants must send an e-mail to sverduzco@mcwd.org to be added to the plan holders list. Include your phone number so it can be associated with the Zoom meeting record.

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Agenda

- Introductions
- Bid Period information
- Project Overview
- Key Bid Documents and Contract Requirements
- Site Visit Information

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Introductions

- Owner – Marina Coast Water District
- Design Engineer – Schaaf & Wheeler
 - TJC& Associates – Electrical, Instrumentation and Structural
 - The Paul Davis Company - Architectural
- Construction Manager – TBD
- Environmental Support – Denise Duffy & Associates

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Bid Period Information

- Bid Opening: Wednesday, February 24, 2021. 2:00 p.m.
- Location: 920 Second Avenue, Suite A, Marina (changed)
- Participate via Zoom. Meeting log-in is in Addendum 1
- Bids Valid: Subject to Award within 60 calendar days
- Engineer's Estimate:
 - \$14,500,000 for the base bid
 - \$20,000,000 for the base bid plus alternates

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Project Documents

- Digital copies only:
 - Download: MCWD Website > Projects & Engineering > Open Bids & Proposals
 - https://www.mcwd.org/engineering_bids.html
 - Central Coast Builder's Exchange: <https://www.ccbabuilds.com/opr/>
- Addenda will be posted to the website with the plans
- Sign-up as a plan holder to receive e-mail notices of addenda

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Questions During Bidding

- All questions must be submitted in writing to:
 - Brian True, MCWD, btrue@mcwd.org
 - May call to confirm receipt: (831) 883-5935
- Responses will be issued in Addenda.
- Verbal statements are not binding.
- Deadline for questions:
 - Wednesday, February 17, 2021, 5:00 p.m.

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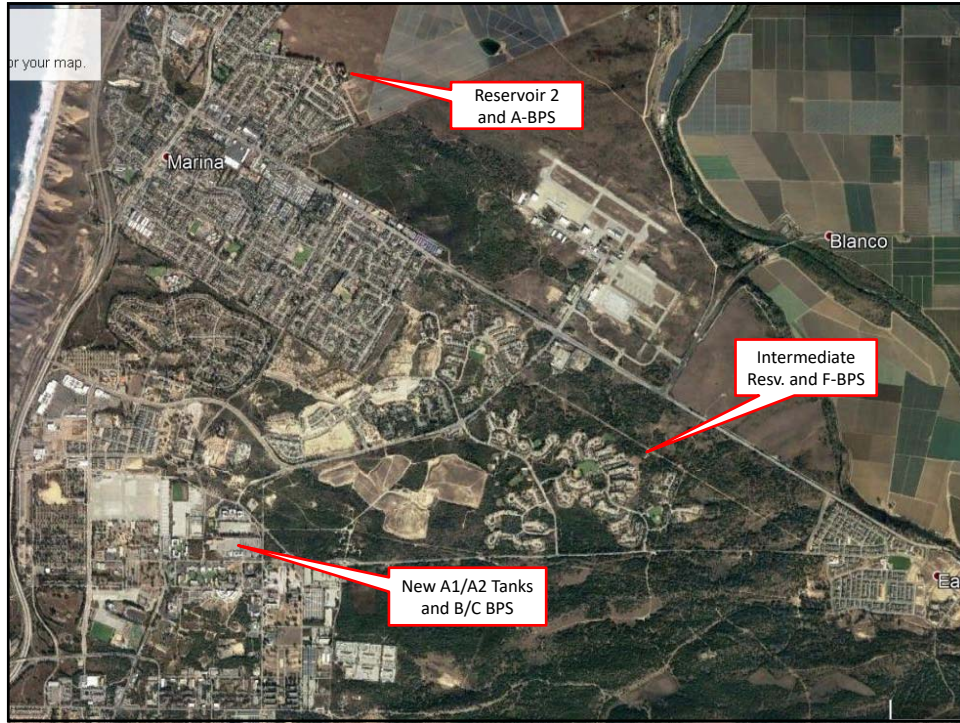
Project Overview – Main Site

- Two 1.6 MG water tanks (one in base bid and one as alternate)
- New Booster Pump Station
 - New CMU building with 7 vertical turbine pump bays
 - Three 75 HP pumps
 - Three 150 HP pumps (and 1 future)
 - New electrical service and switch gear
 - Relocate generator from existing pump station
- New ductile iron pipelines
 - BPS to 6th Avenue (820 LF 24", 820 LF 18", 520 LF 16")
 - 632 LF from BPS to 5th Ave (bid alternate)
 - Yard piping, 8" to 30"
- 675 LF of Storm drain pipeline in 5th Avenue, new outfall
- Relocate 261 LF of sanitary sewer

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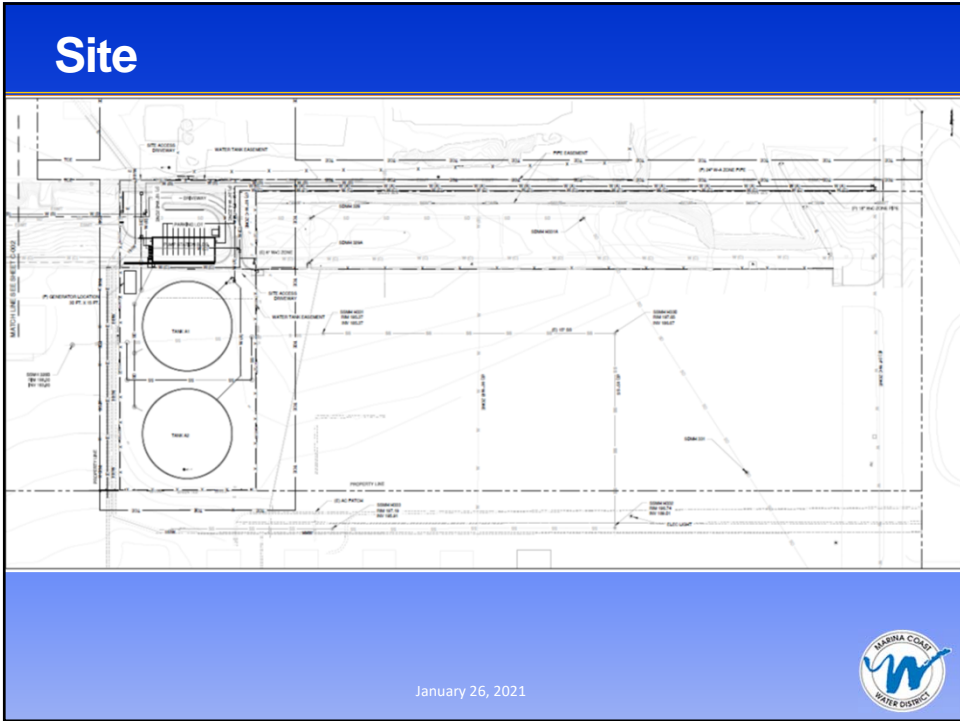
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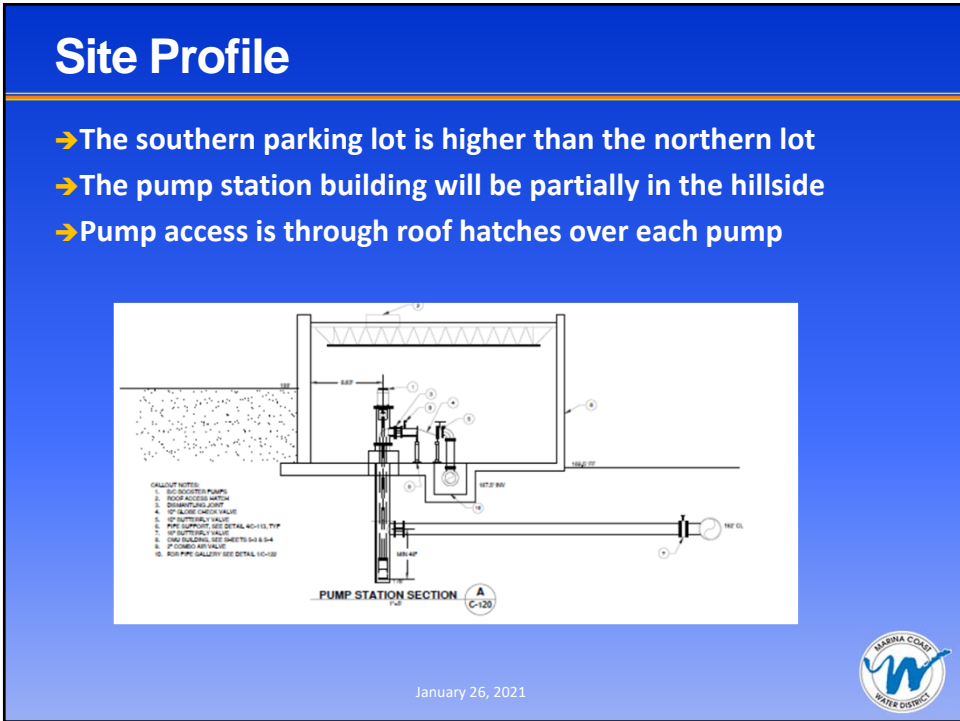
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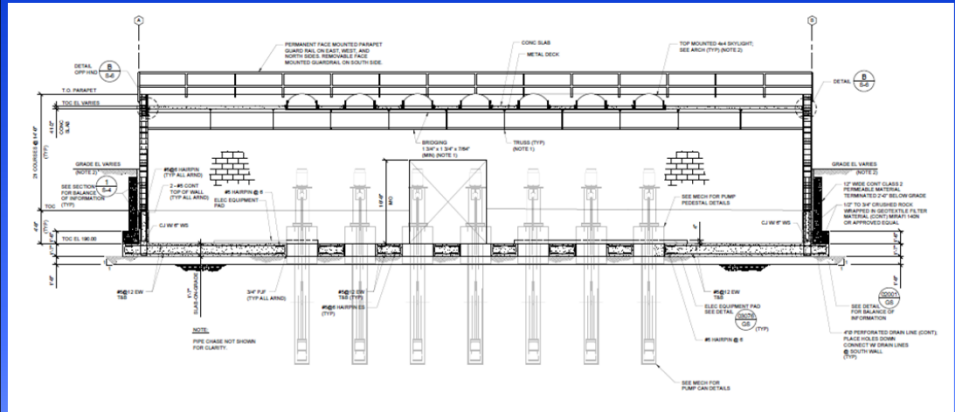


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Building



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Project Overview – Other Sites

- ➔ **Imjin Parkway**
 - ➔ 1,000 LF of new 24-inch DIP
- ➔ **Reservoir 2**
 - ➔ Add new radio and antenna
- ➔ **Intermediate Reservoir**
 - ➔ Replace existing chlorination PLC, pumps & piping
 - ➔ Add new flow meter onto the wellfield pipeline
 - ➔ Replace emergency generator

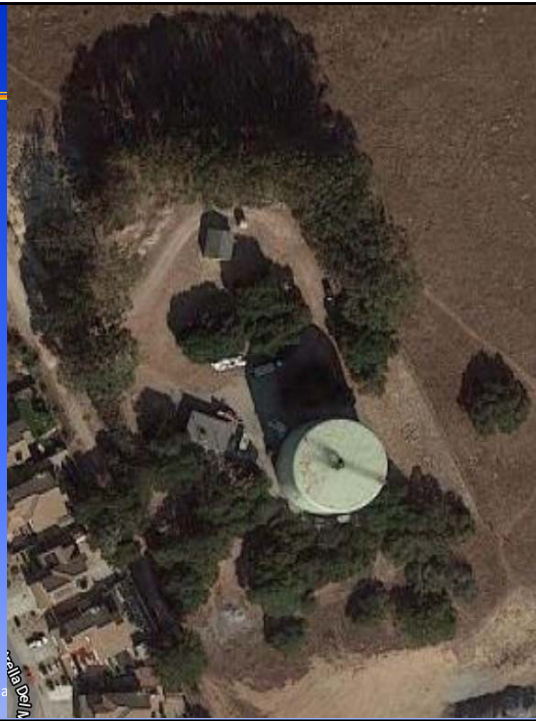
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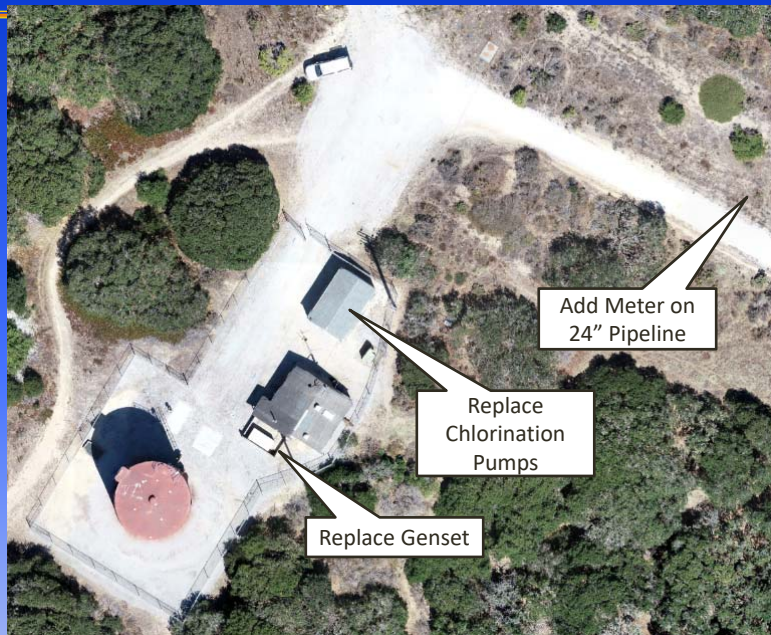
Reservoir 2

→ Adding a radio and antenna



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Intermediate Site



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Design Items to Note (1 of 2):

- **7 pump bays, 6 pumps**
 - Include the cost of the 7th pump column in the building cost
- **Existing B- and C-Zone Transmission Mains**
 - Material is Prestressed Concrete Cylinder Pipe
 - Three points of connection where you are cutting in tees and valves
 - Suppliers say they can provide PCCP to DIP flange adapter fittings.
 - See Section 33 11 13.25
- **Wellfield Main Size**
 - The system map labels it as 27" steel, but it appears to be 24" DIP
 - It will be exposed in 2021 under a related project
- **Clean native sand is acceptable for pipe/conduit bedding**
 - Full Geotech Report at Appendix C of the Technical Specifications

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Design Items to Note (2 of 2):

- **Tree Removals**
 - There are four large (over 30") Eucalyptus trees and numerous smaller pines and oaks to be removed.
- **PG&E Point of connection**
 - Design assumes that they will require placing the existing OH line underground
- **SCADA Integration Allowance**
 - Project Controls Supplier must work with the District SCADA Integrator, Calcon Systems
- **Tank Paint Colors**
 - Campus staff has final approval of tank colors, so submit samples early to allow for their review

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Work by Others

- **Intermediate Reservoir Valve Replacements**
 - Summer 2021
- **Intermediate Reservoir Coating**
 - Summer/Fall 2021
- **Reservoir 2 Coating**
 - Fall 2021
- **Imjin Road Widening, east of Abrams Drive**
 - 2021-2022

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Restrictions

- **Work on CSUMB Campus**
 - Work hours per Campus permit
 - Accommodate pedestrian traffic near site
 - Provide ADA accessible by-pass path when pipeline work cuts the existing path (along 6th Ave)
 - Certain windows restricted to on-site only (Commencement Week)
- **Pipeline Work**
 - Subject to City Encroachment Permits
- **Wellfield Pipeline**
 - Complete, test and fill the new water tank before starting the modifications at the Intermediate Reservoir/F-Booster
 - Biological monitoring is required due to special status plant species

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Permits

- PG&E design is still pending
- City of Marina Encroachment Permit (submitted by Contractor)
- Campus Construction right-of-entry (submitted)

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Key Bid Documents/Contract Requirements

- Document 00 43 93 is a checklist of items to submit with the bid
- Acknowledge all addenda on the Bid Form, Document 00 41 00
- District Ordinance 53, Local Hiring for Public Works
 - Good faith effort to have 80% of the workforce be residents of Monterey, Santa Cruz or San Benito Counties.
 - Requirement includes sub-contractors
 - Acknowledge on Document 00 45 28
- Bid Bond or Security: 10% of bid price
- Basis of Bid
 - Unit Price Items
 - Allowance values are pre-entered
 - Award based on the Base Bid price

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Contract Times

- Substantial Completion: 700 calendar days
- Final Completion: 760 calendar days

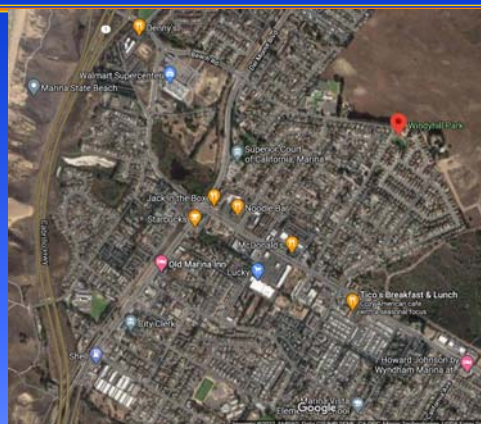
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Site Visit Information

- Site visit is postponed due to weather
- Proposed Friday, January 29, 2021, at 11:00 a.m.
- Participation is mandatory
- Meet at MCWD's Reservoir 2, behind Windy Hill Park in Marina, CA 93933
- All attendees must wear a mask or face covering
- Escorted tour of the Reservoir 2 Site and the Intermediate Reservoir Site
- Other locations are publicly accessible.
- Strip maps will be provided at sign-in.



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Questions

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