

**MOCHO GROUNDWATER DEMINERALIZATION PLANT
CONCENTRATE CONDITIONING SYSTEM**

Alameda County Flood Control and Water Conservation District

Date:	May 17, 2022
Project:	294-21
Prepared By:	Kevin Fitzgerald
Reviewed By:	AW
Subject:	Question & Answer Document #2

Purpose

To provide responses to inquiries submitted by Bidders.

Questions and Answers

Question 1: Section 07_22_00 – Roof and Deck Insulation does not list a size for the insulation or an R-value. Drawing A03 shows a sectional view of the roof eave, but no insulation is called out. Please clarify if roofing insulation is required, and if so, what is the thickness needed or R-value requirement?

Furthermore, please clarify what type and thickness insulation and underlayment should be supplied if required at both the existing structure where the roof is being modified over wood joists as well as the new higher roof where metal steel roof beams, metal deck, and metal roof appear to be required.

Lastly, after checking with suppliers, the insulation described in the specifications will not be available until quarter 1 of 2023. Please advise.

Answer 1: Please refer to Addendum No. 3 and Drawing A03 where the Energy Code Compliance Table has been updated to reflect a minimum R-value of 12.4 for the roof insulation.

Insulation board is required on the new structure and existing lower roof.

Section 07_22_00 names two manufacturers for both vapor retarder and rigid foam roof insulation. Approved equals are acceptable for either of those materials per Section 07_22_00. The Contractor may request to use a substituted material in accordance with the Contract Documents.

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Question 2: Could you please provide the existing fire alarm manufacturer for the above referenced project?

Answer 2: The Mocho 4 Well Building does not have an existing fire alarm system. The fire alarm manufacturer for the fire system in the Mocho Groundwater Demineralization Plant is Tyco/Simplex.

Question 3: Drawing M-01 shows a Tankless Water Heater but I have not been able to locate where it is specified. Please provide manufacturer and specification for the Tankless Water Heater.

Answer 3: Please refer to Addendum No. 3 and the edits made to Section 22_45_17 for requirements regarding the Tankless Water Heater.

Question 4: The concrete secondary containment at the sulfuric acid storage area is being requested to have a product applied per Section 09_96_01 in Key Note 1 of Plan Sheet M01. My question is which coating system should be used for this location?

Answer 4: Please refer to Addendum No. 3 and the edits made to Appendix A and Appendix B of Section 09_96_01. The secondary containment area should be coated with fiber reinforced vinyl ester.

Question 5: Section 09_96_08 is titled "Concrete Repair and Coating". Where will the work described in Section 09_96_08 need to be performed?

Answer 5: The work will be performed in the concentrate sump inside the Mocho Groundwater Demineralization Plant. The concentrate sump houses the two ROC Sump Pumps. Refer to Drawing M08 to see where the concentrate sump that houses the two ROC Sump Pumps is located.

Question 6: Addendum 1 (Specification Section 31_23_19/1.04A.5) states the pumped ground water must be disposed of offsite. As the contract documents do not provide any hydrological information, please provide an estimate for the amount of groundwater that is expected to be encountered.

Answer 6: Contractors are referred to the "FINAL REPORT Geologic/Geotechnical Study for Zone 7 Water Agency – Groundwater Demineralization Project" available for

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download on Zone 7's website. Furthermore, the contractor is reminded that Document 00320 – Geotechnical Data and Existing Conditions, in part, sets forth the terms and conditions under which Bidder may rely upon geotechnical data.

Question 7: If the May 2005 "FINAL REPORT Geologic/Geotechnical Study for Zone 7 Water Agency – Groundwater Demineralization Project" forwarded to the bidders by the Agency is not part of the Contract Documents, what geological/geotechnical information is to be used as the basis of bid?

Answer 7: Contractors are referred to Document 00320 – Geotechnical Data and Existing Conditions, which sets forth the terms and conditions under which a Bidder may review, study, use, or rely upon geotechnical data at or contiguous to the Site.

Question 8: Is the Contractor allowed to close a lane on any City street such as Stoneridge Drive or Santa Rita Road in order to bring equipment or materials into or out of the site?

Answer 8: The District has no jurisdiction over City streets, etc. Traffic control plans and encroachment permits would need to go through the City of Pleasanton for approval.

Question 9: Does Document 00459 – Prohibited Business Disclosure Form, need to be included in the Bid Envelope?

Answer 9: No. There is no change to Document 00200, paragraph 4 "CONTENTS OF BID ENVELOPE – BID PRICE", which lists what is included in the Bid Envelope.

Question 10: Is the 2005 Final Geotechnical Report for MGD that was posted to District's website a contract document?

Answer 10: This document was posted to the District website at the request of Bidders. It was used during project design and referenced in the Project Manual. Contractor is referred to Document 00320 – Geotechnical Data and Existing Conditions which discusses Reports, such as this, which are provided as informational only.