

FPUD JOB NO. 3095 – SMRCUP Construction

ADDENDUM B

May 20, 2019

Attention All Bidders:

This Addendum "B" includes clarifications and/or changes to the Contract Documents for the Fallbrook Public Utilities District, **Santa Margarita River Conjunctive Use Project Construction**

Clarifications and / or changes:

1. Change bid date in Notice Inviting Bids to no later than June 26, 2019 at 3:30 pm.
2. Last day to submit questions is June 5, 2019.
3. All questions received as of May 16 are listed on the attached RFI Response Table. Those yet to be answered have been left blank. Those responses are under development.

RFI #	RFI Question	RFI Answer
1	Will the services for testing and inspection of soil & material be separate from the proposal?	
2	Last day to submit questions	June 5, 2019
3	Please confirm a mutual waiver of consequential damages, as listed, will be inserted into the final contract documents: "In no event shall any Indemnified Party or the Contractor be liable to the other for any indirect, special or consequential damages (including, but not limited to, loss of profits, interest, earnings or loss of use) whether arising in contract, tort or otherwise."	
4	Please provide a reasonable cap for liquidated damages and confirm that they are the "sole and exclusive" remedy for delay.	
5	Please confirm that the District is the generator of all pre-existing hazardous material and will sign transportation manifests as such in the event that abatement is necessary.	
6	Please confirm that the District will indemnify the Contractor for any loss, cost, expense, or fine related to any pre-existing hazardous material.	
7	Please reference the Guidelines for Meeting the California State Revolving Fund (CASRF) Programs (Clean Water and Drinking Water SRF) Disadvantaged Business Enterprise Requirements – Six Good Faith Efforts (GFE), Item No. 2. Please confirm that the solicitations for bids or proposals does not need to post for 30 calendar days in a row, but does need to be posted a minimum of 30 calendar days prior to the bid opening date.	
8	This email is sent to bring to your attention a DEFECTIVE SPECIFICATION for the SHEET METAL ROOFING on the project. Section 07610 Sheet Metal Roofing defines product that either does not exist or does not meet the performance requirements defined in its own specification.	<p>Make the following modifications to the Contract Documents SPECIFICATION SECTION 07610 – SHEET METAL ROOFING</p> <ol style="list-style-type: none"> DELETE Section 2.1.B Entirely, REPLACE with B.Metallic-Coated Steel Sheet: Restricted flatness steel sheet, metallic coated by the hot-dip process and prepainted by the coil-coating process to comply with ASTM A 755/A 755M. Zinc-Coated (Galvanized) Steel Sheet: Aluminum-zinc alloy-coated steel sheet, ASTM A 792, Class AZ50 coating designation, structural quality, Grade 50, 0.0236-inch minimum thickness. Fire Resistance Rating: Comply with UL 263 and UL 790 Class A Fire Resistance Rating. Wind Uplift Resistance: Tested according to ASTM E 1592 and in compliance with UL 580, Class 90 Wind Uplift, Construction #240. Surface: Smooth, flat. Width: 24" standing seam panels Finish: PVDF Kynar 500 or Hylar 5000 Color: To be selected from full range of color available. <p>2. REVISE Paragraphs 2.5A.1 and 2.5A.2 to read: 1.Standing-Seam Roofing: Form standing-seam panels with finished seam height of 3 inch. Manufacturers: Metal Sales or Equal</p> <p>3.DELETE Paragraph 2.5B entirely</p>
9	Environmental and CEQA compliance component of this project. Will FPUD provide the archaeologists or will the contractor be responsible?	
10	Specification section 01150-1.3.A-6, describes a Bid Alternate to provide a Field Office as required in specification section 01590. It mentions the locations are shown on C-2 & C-27. Currently there is no bid alternate in the bid form for this, section 01590 only describes a printer/copier that the contractor is to provide, C-2 shows only the location and C-27 is a pipe profile that does not have any information on the field office. Please provide more information and provide direction so we can accurately account for the costs in our bid.	<p>Make the following modifications to the Contract Documents: In Specification Section 01150-1.3.A-6 DELETE all references to a bid alternative for a field office for the owner. On Drawing C-2 DELETE the callout for field office as (Alternative 4), and the corresponding leader line and foot print of the field office.</p>
11	Is the PVC piping inside of the chemical trench classified as exposed? Does it require coating per specification section 09900?	<p>Make the following modifications to the Contract Documents SPECIFICATION SECTION 09900 REVISE 2.4A. to read: System No. 41 - Exposed, Exterior (except PVC piping in trench):</p>
12	Section 00490 - Bidder's List. From our previous experience, this bidders list page is something that is usually compiled and submitted 2-3 days after bid by the low 2-3 general contractors. It will be very difficult to assemble these documents for all bids received and get them submitted with the bid on bid day. Please confirm these can be submitted after the bid date. Also, the requirement to submit this form for all DBE and non-DBE subcontractors is unusual, this form is normally needed for DBE subs only. Please confirm this only needs to be submitted for DBE subcontractors.	
13	Please provide a specification for Metal Decking.	
14	On drawing sheet C-16, note 2 on detail 1 states "Eliminate sleeve in core drilled walls. Epoxy coat entire core drilled opening". Please specify which epoxy system shall be used.	

RFI #	RFI Question	RFI Answer
15	Does the truck loadout area require coating?	<p>Make the following modifications to the Contract Documents: SPECIFICATION SECTION 09930 ADD after Paragraphs 1.1B.2.a.1) 2)Truck Loadout Area.</p>
16	Specification sections 09651 - Resilient Floor Tile and 09653 - Resilient Wall Base and Accessories is included in the bid documents, but the finish schedules on drawings 400A-8, 500CWA-4 and GFA-4 do not show any tile flooring in any of the rooms listed. Please confirm resilient floor tile is not required in any location.	Confirmed. No resilient floor tile is required. Delete specification 09651-Resilient Floor Tile entirely. Resilient wall base is required for RB noted in the finish schedule on drawing 400A-8
17	Note 2 on C-3 states install 33" Trenwa Chemical Trench, see DWG C-16. C-16 shows sections of the chemical trench, but no dimensions. Is the 33" the depth or width? To inside or outside of trench? Also, on drawings C-6 & C-7 it appears portions of the trench are different widths. Please clarify the depth & width of all of the concrete chemical trench sections.	<p>Make the following modifications to the Contract Documents: Drawing C-3, Construction Notes REVISE Note 2 to read: Install 33" Trenwa Chemical Trench. See C-16 and Specification 13340 PRECAST CONCRETE CHEMICAL TRENCHES.</p> <p>Drawing C-16, NOTES ADD Note 2 to read: See Specification Section 13340 PRECAST CONCRETE CHEMICAL TRENCHES.</p> <p>SPECIFICATION SECTION 13340 REVISE 1.8A to read: Acceptable manufacturers include Trenwa, Inc., Model BHC3024-120 STD, (1419 Alexandria Pike; Fort Thomas, KY 41075), or approved equal. ADD Paragraph 2.5A. after 2.4 to read: 2.5 LIDS A. Lids shall be concrete, AASHTO H20 Design</p>
18	On page 3 of the contract documents, section 00100 - Notice Inviting bids, it states "Award of Contract: District shall award the Contract for the Project to the lowest responsible bidder as determined from the base bid plus alternates". On page 5 of the contract documents, section 00200-6 - Instructions to bidders it states " If alternate bid items are called for in the Contract Documents, the lowest bid will be determined on the basis of the base bid only, unless otherwise specified in the Notice Inviting Bids. However, District may choose to award the contract on the basis of the base bid alone or the base bid and any alternate or combination of the alternates". Please clarify what will be the basis of award.	<p>Make the following modifications to the Contract Documents: SPECIFICATION SECTION 00200 REVISE Instructions to Bidders, Item 6 - ALTERNATE BIDS, to read: "...the lowest bid will be determined on the basis of the base bid plus all alternates. However..."</p>
19	The Geotechnical report includes 1ea boring (B-14) at the Gheen Site which appears to be taken in a location where there is little earthwork to be done. The boring was done in an area that appears to have an existing surface elevation of EL 998.33. The work in this area requires earthwork that will remove roughly 6,000 Cy of dirt from that site, this work is done be cutting the existing grades down to EL 998. There is no subsurface information provided in the areas of work. Please provide additional geotechnical information in the cut areas of the Gheen Facility.	No additional geotechnical information is available.
20	We would like to request an additional site visit for Wednesday 5/8/2019 at 9:00am. Please confirm this date and time works to visit the plant site.	Per Addendum A, Optional site visit was scheduled for May 16, 2019 at 10:00 AM.
21	Has the district already notified the residents that live along the three pipeline alignments outside of the plant site?	Public information meetings were held during design, but specific construction notification has not occurred.
22	What is the last day to ask pre-bid questions?	See RFI#2
23	Please confirm when the section 00485 - DBE Good Faith Efforts Verification is due. From previous experience this is typically due 2- 3 days after the bid date, to give the contractor time to compile all of the information.	
24	After reviewing the site it appears that is a good amount of piping, hoses, asphalt piles and miscellaneous debris that is currently onsite and not shown on the Demo drawings. Will all of this material be removed from the site before the contractor starts work?	Miscellaneous stockpiled materials not shown on the demo plans will be removed by the District.
25	Drawing GFD-1, note 8 states "Demo existing 1MG Martin Reservoir and attached structure". Please provide as-built drawings for reservoir and structure. If as-builts cannot be provided please provide a basis for contractors to assume in our bids.	Martin Reservoir record drawings provided as attachment to Addendum B.
26	Do the interior of the manholes for the Blow-Offs and Air-Valve assemblies require coatings?	<p>Enclosures for air valve assemblies shall be polyethylene per the Approved Materials List. Make the following modifications to the Contract Documents. Section 09900 - Painting and Coating: ADD the following sentence to paragraph 3.11,E: Non-exposed surfaces of metal castings for valve well frames or blow off meter boxes shall be shop painted, black color.</p>
27	Please confirm there is to be no standing seam metal roofing on the 2ea canopies at the Iron and Manganese Area and the Canopy at the Chemical Facility, only metal decking.	See response to Item 8.

RFI #	RFI Question	RFI Answer
28	Appendix B provided an Asbestos and Lead Paint evaluation for existing facilities that are to be demolished. Please confirm an Asbestos and Lead Paint evaluation was completed at the Gheen Facility for the existing Martin Reservoir.	
29	Drawing 700M-4 shows 4ea new Sluice gates and provides a detail. We have not been able to locate a specification section for these gates. Please provide a specification section, or at least a material type.	
30	1. When is the last day to submit questions?	June 5, 2019
31	2. Reference drawing GFC-1 Coordination Table Point 54 call out a catch basin location. Reference drawing GFC-2 note 5, shows no storm drain or drain lines come to or leaving this location. Please confirm Point No 54 on GFC-1 is to be a Catch Basin.	Confirmed, Point No 54 on GFC-1 is a Catch Basin with no inlet pipe (it captures surface runoff). Construct outlet pipe per elevation on GFC-1, Note 5 and extend to new catch basin at GFC-2 Point 32.
32	3. Reference Section 03200-2.1.A.4, "tie wire shall be Annealed Steel, 14 gauge minimum". The gauge specified doesn't work for the installation requirements of this project, we would request this to be revised to industry standards so and allow 16.5, 16 and/or 15 gauge wire where appropriate.	
33	4. Is there a requirement for wet or dry fire protection sprinkler systems in the RO Building, 500CW Pump Station and the Gheen Facility Pump Station?	
34	5. Specification Section 07810 - Unit Skylights, Manufacturers: Major Industries or equal, Basis-of-Design Product: Guardian 275® TransCURVE™ Curved Translucent Skylight System. a. The Specification requires to furnish Ice Blue sheet (colored) and qualifying a 70 ft-lbs requirement, which is not a problem. A windborne debris system, if it must meet large missile, will require a high impact exterior sheet, which meets 230+ ft-lbs and is only available in crystal or white. Please advise.	
35	6. Reference Drawing G-6 FPU Water Note 31, please identify which roads are "County-Maintained Roads".	Pipeline installation occurs in the following County Maintained Roads: Alturas Rd, Merida Dr, S Hill Ave, Almond St, S Mission Rd, Old Stage Rd, Palomino Rd between Old Stage to point where road width is reduced approximately 200 ft east of Emerald Ridge Rd, Palomino Rd between Morro Rd and McDonald Rd, McDonald Rd, Gum Tree Ln, E Mission Rd.
36	7. Along the Pipeline alignment, please identify which portions of pipe go through private roads and requirements within those areas.	Approximately Sta 69+25.00 to Sta 86+00.00 and Sta 303+00.00 to Sta 318+18.00. Pavement requirements per Spec Sections 02130 and listed related sections.
37	8. Reference Drawing D-1 Note 5, has the District started to coordination and application effort with SDGE to have the overhead service removed? If so, please provide a point of contact.	No
38	9. Reference Specification Section 00700 Article 16 and Article 26, notes District will pay for all inspections. Section 01400 states Contractor is to pay for inspections. Please confirm the District will pay for all inspection costs related to the project.	
39	10. The pipeline alignment, both base bid and bid alternates, run through private roads. Some of the roads are in really good condition some in very poor condition. For the bases of bid, is the contractor to restore according to the District's standard details?	See RFI #36
40	11. Please provide as-built drawings for the wet well and vault to be demolished on sheet D-2.	None Available
41	12. The side of the plant site looks to be leased to a farmer on the west side, what access are we required to provide them during construction? Will they be aware of the site safety (PPE) and SWPPP requirements for the project site?	Access to the nursery south of the site must be maintained throughout the project with coordination per the specifications. The nursery land is outside the limits of the work area and will not be effected by the project PPE requirements or SWPPP.
42	13. Drawing D-1 shows the demolition of the existing concrete storage bins. While at the site visit it is clear that these storage bins are full of various debris and aggregates. Will the district remove the contents prior to mobilization?	Yes
43	14. Drawing D-1 and D-2 do not show large quantity of pipe currently stored near the existing wet-well (also to be demolished), will the district remove the pipe and various mechanical items prior to mobilization?	Yes
44	15. Please define the parameters of what is considered "Rock Excavation".	"Rock Excavation" is defined in Section 02200, 3.10.
45	16. Sheet C-2 calls out a Bid Alternate 4, the current bid form only has 3 alternates. Please clarify what is required for Bid Alternate 4.	Make the following modifications to the Contract Documents: Drawings C-2: DELETE the call-out of the "Temporary Field Office for the District (Bid Alternate 4)" along with its leader line and footprint of the field office shown.
46	17. Which plant gate will be the construction entrance?	See dwg C-2
47	18. Will another site visit be allowed, who do we coordinate with?	See RFI #20
48	500S-6. 500M-1 to 500M-4 Drawing 500S-6 Detail 1 States the elevation at the bottom of the pump can is "per mech dwgs". But Mechanical Drawings 500M-1 to 500M-4 do not provide elevations for either the bottom of the pump can or the center line of any encased pipe. Please provide elevation information for the encase pipe at the pump station.	Make the following modifications to the Contract Documents: Drawing 500M-2, ADD 1. at the beginning of the note listed under NOTE: and ADD Note 2. that reads: Contractor shall coordinate depth of 24" PW and 12" PW PUMP SUCTION LINE with pump manufacturer of P-511 through P-514. See Specification 11110 VERTICAL TURBINE PUMPS.

RFI #	RFI Question	RFI Answer
49	400I-2 through 400I-7 Drawing 400I-2 indicates that drawings 400I-3 through 400I-7 should be used for RO trains 1, 2, and 3. Drawing 400I-3 shows instruments/valves with a pair of parenthesis next to the device indicating tags for the 2nd and 3rd trains. These parenthesis are missing for drawings 400I-4 through 400I-7. Should these drawings also be used for trains 2 & 3 and have these parenthesis indicating train 2 and 3 tags?	Tag ranges for all trains are shown on Drawing 400I-2. Numbers in parentheses on subsequent sheets are intended to help illustrate the ranges. The contractor should use those examples along with the ranges indicated on 400I-2 to determine tag numbers for Trains 2 and 3.
50	600I-1 through 600I-11 Pumps P-601, P-603, P-605, P-611, P-621, P-631, P-641, P-651, P-661, P-671, and P-681 are shown on drawings 600I-1 through 600I-11. Each of these pumps have integral VFDs. There are also pumps P-602, P-604, P-606, P-612, P-622, P-632, P-642, P-652, P-662, P-672, and P-682 on these same drawings which do not show integral VFDs. Do these pumps require the VFDs?	
51	700I-1 and GFI-1 Pumps P-700 and P-811 are shown on drawings 700I-1 and GFI-1 Both of these pumps have VFDs. There are also pumps P-701 and P-812) on these same drawings which do not show VFDs. Do these pumps require VFDs?	
52	GE-7, GE-21, GE-31 & GE-33 Luminaire Mounting Detail #17 (Drawing GE-31) shows both a light switch and GFCI receptacle. Circuiting as shown on Plant Sight Lighting (Drawing GE-7), A1 Panel Schedule (Drawing E-21) and Lighting Control Diagram #24 (drawing GE-33) does not account for this light switch or receptacle. Is this light switch to work in series with the controller module? Is this receptacle to be switched ? If receptacle is to be unswitched will additional circuits be required?	
53	GE-8 3/4" conduit quantity & size, on Conduit Schedule Line Item #132 is likely incorrect?	
54	01150-1.3.A.6 Section 01150-1.3.A.6 includes a description for a Bid Alternative to provide for a Field Officer per Section 01590. This Alternative is not on the Bid Form. Please clarify	
55	01170, 01400, 01410 Section 01400-1.7.A AND 01410-1.1.a notes that the Contractor is responsible for all inspection, testing and testing laboratory services. Section 01170-1.3.B notes that the District shall furnish all materials testing and special inspections called for in the Contract Documents with exception of compaction testing for all bedding, backfill and soil compaction testing. Please clarify	
56	01600-1.37 Section 01600-1.37 notes the District, Engineer, etc. may attend factory witnessed testing at their option. Please confirm that all costs to attend the testing will be borne by the District with exception of retests clarified under 01600-1.37.H	Per Section 01600-1.37.A, factory testing, including cost to witness testing is at contractor's expense.
57	09900 Section 0990-1.7.B notes the District may reschedule the warranty inspection on Paint and Coatings to another day within the 2-year correction period. Per Section 00700, Art 53, the correction period on the project is 12-months. Please clarify	
58	00700 Section 00700, Art 43 notes the Contractor is to provide a detailed estimate giving a complete breakdown of the Contract price within 10-days of award. Please confirm that the District is requesting a Schedule of Values and not a copy of the Contractor's estimate.	Confirmed, Schedule of Values per specifications
59	01115 Section 01115-1.4 provides interim milestone dates for all portions of the conveyance pipeline noting that each segment is to be completed within a 180-day duration within the first 360- days of the Contract. Please confirm that all portions do not need to be completed within the same 180-day period.	Confirmed
60	GE-8 & GFE-3 On drawing GFE-3, there are 3 Manual Motor Starters shown for a FCU, SF, and EF. These starters are on circuit 117. After referring back to GE-8 (cable schedule), it is determined these starters need to be NEMA Size 3. Is this correct?	
61	GE-8 & GFE-3 On drawing GFE-3, there are 2 Manual Motor Starters shown for MV-811 and MV-812. These starters are on circuits 107 and 108. After referring back to GE-8 (cable schedule), it is determined these starters need to be NEMA Size 5. Is this correct?	
62	Please consider extending the bid date by 3-4 weeks to allow enough time for additional examination of the existing facilities.	Per Addendum B, bids will be received until June 26, 2019 at 3:30 pm.
63	The technical specifications refer to "Substantial Completion" in various sections, however there is no mention of "Substantial Completion" in the General Conditions. Please provide a definition for "Substantial Completion" and describe how it is related to warranty start dates.	

RFI #	RFI Question	RFI Answer
64	Can FPUD please clarify the apparent discrepancy between the Specification and the General Conditions concerning material testing and special inspection services? In the Specifications SECTION 01400 1.7.A.1-2, 7 and SECTION 01410 1.1.A reads that "The CONTRACTOR shall provide all inspecting, testing, and testing laboratory services..." and "The CONTRACTOR shall be responsible for payment of all costs for inspection, testing, gathering samples and testing laboratory services..." But in the General Conditions under Article 26 the document reads "Costs for District testing and District inspection shall be paid by District. Costs of tests for Work found not to be in compliance shall be paid by the Contractor."	
65	Concerning the General Conditions Article 25 (Excessive Noise), will the Contractor be required to set up noise and vibration monitoring? If so, will the cost for monitoring be born by the District or the Contractor and will such monitoring be required during the whole duration of the project?	
66	In specification section 01039-1.6-2 - State and Federal Permits, there are three RWQCB permits listed that are the responsibility of the Contractor to obtain and pay for, the RWQCB permit for groundwater discharge, RWQCB General Permit No. CAS000002, and the RWQCB permit to discharge hydrostatic test water. These permits are required to be obtained by the land owner. Please clarify whether the contractor is required to obtain these permits, and if so, we suggest including an allowance to cover these costs.	
67	In specification section 01039-1.9-D. San Diego Gas & Electric - states "Contractor shall contact SDG&E to coordinate review and acceptance of proposed pipeline design documents and construction schedule, prior to commencement of construction activities". Public utilities generally only deal with the property owners and designers and will not interact with Contractors. This doesn't seem like it should be the responsibility of the contractor, as they are not responsible for the design.	
68	Note 5 on GFD-1, states "Contractor to Coordinate Relocation of Existing Telemetry Equipment", please clarify what is meant by "coordinate". Please confirm who is responsible to relocate the Cell Tower, additional infrastructure inside of the gated area, removing the gated area and concrete pad, and removing any underground utilities.	
69	Note 5 on GFD-1 states "Notify cell site manager at least 6 months prior to anticipated relocation". This will need to be removed at the start of the Gheen Site work. Specification section 01115 requires the Gheen site work including the 4MG reservoir to be completed in 360 days. There is not enough time to wait six months to remove the cell site and still complete the Gheen Site work. It is unclear if the intent is to keep the cell site functional during the work, please advise.	
70	Specification section 01150-1.5-B, states "all costs of inspection and testing performed during overtime work by the contractor which are allowed solely for the convenience of the contractor shall be borne by the contractor. The district shall have the authority to deduct the cost of all such inspection and testing". Please provide the hourly cost for inspection and testing during overtime work.	
71	Please confirm the flowing tanks indicated on Drawing 600M-1and in Chemical Storage Tanks Schedule on 600M-9 are to be fabricated per specification section 11179: Sodium Hypochlorite T-600 and T-601, Sodium Hydroxide T-630, Sodium Bisulfate T-610, Ferric Chloride T-650, Phosphoric Acid T-640 and Hydrofluorsilicic Acid T-680.	
72	Please specify type and size of grating for 2'-0" SQ sump shown on GFS-2	
73	Drawing 400M-3 indicates Sump Pumps P-490A and P-490B with LSHH-490, LSH-490, LSL-490, LSL-490 and CP-490. Neither Drawing 400M-1 or 400S-1 indicate a sump in the pipe trench nor are they listed in Specification Section 11307. Please confirm that there is a sump in pipe trench in Area 400 located per 400E-3 and provide details for construction.	There are no sump pumps in the RO process building trenches. The trenches drain by gravity.
74	Drawing 400M-10 indicates a 36" tank manway on T-450 RO CIP tank whereas specification section 11379-2.1.B.2.f.6 lists a 24-inch flanged manway. Please confirm the tank manway for T-450 RO CIP tank is 24-inches.	Make the following modifications to the Contract Documents. SPECIFICATION SECTION 11179 REVISE Paragraph 11179.2.1.B.f.6) to read: One 36-inch flanged manway.
75	Per 11179-3.2.B and .C, FRP tanks are to be installed on grout layer across the entire surface of the concrete base. Elevation 2 on 600M-9 indicates "4 to 5 layers of 30# felt paper beneath the tank" with 1/2" thick grout only at the tie down lug locations per Fiberglass Tank Tie Down Lug and Clip Detail 4/600M-9. Please confirm that all the tanks listed in the Chemical Storage Tank Schedule on 600M-9 and T-400 RO CIP Tank are to be installed per details on 600M-9.	
76	3.8 F. defines successful completion of the 14-day test as a requisite for substantial completion. Is there a specific number of calendar days from notice to proceed associated with substantial completion similar to the 720 days for Final Completion?	
77	Please provide a specification for FRP grating and supports.	
78	Note 5 provides info regarding relocation of cell site and states to provide 6 months notice. This is likely a schedule issue and its highly recommended that FPUD proceed with this notification.	

RFI #	RFI Question	RFI Answer
79	Appendix A has provided a hazardous analysis of the shed to be demolished on site. Has there been an analysis done of the existing reservoir we are to demolish at the Gheen Site? If so please provide.	
80	Please reference specification section 09930. Part 1.1-B.1 of specification 09930 lists the Sodium Hypochlorite and Feed Areas as requiring an epoxy coating and floor topping. Per Part 2.1-A.1-f of the same spec section lists Sodium Hypochlorite under the section requiring a vinyl ester coating. Please clarify the type of coating that is required for the Sodium Hypochlorite and Feed Areas.	
81	Drawing C-6 thru C-13 all reference FPUD Std Dwg W-7A for 6" Blow-off Assemblies, however I cannot find a Detail W-7A in the details and W-7A is also not shown in the listing of details. The 4" Blow-off Assembly on Std Dwg W-7 & W-8 is shown using 4" DI Pipe & Fittings. Please advise if the 6" Blow-off Assembly uses 6" DI Pipe and Fittings or 6" CML & CMC Steel Pipe.	Make the following modifications to the Contract Documents. Drawings C-6 thru C-13: REPLACE all references to FPUD Std Dwg W-7A (6" Blow-Off Assembly, For Pressure Less Than 250 psi) with Std Dwg W-7 (4" Blow-Off Assembly, for Pressure Less Than 250 psi).
82	Are there any special PPE requirements that we need to be aware of in order to participate in the job walk?	No
83	The specification 15076-2.01.D4 states to use a 5" hand hole at the joint for cement lining repair unless directed by the district engineer. Will this hand hole be required and if so...will 2 hand holes be required due to the size of pipe?	Make the following modifications to the Contract Documents. FPUD Std Spec Section 15076: REVISE Paragraph 2.01.D.4 to read: 5-inch minimum diameter hand holes shall be required, unless directed otherwise by the District Engineer, to facilitate interior lining repairs at all joints. Provide one hand hole for 16-inch and smaller diameter pipe, and two handholes for 18-inch through 30-inch diameter pipe. Pipe larger than 18-inch diameter shall receive interior joint lining via entry into the pipe.
84	In section 1 and 2 on drawing sheet 200M-4 there is a buried 6" airline shown that doesn't match the P&IDs. It appears that the entire airline should be installed above grade and that maybe this buried portion should be removed. Please confirm	
85	Section 11500, Paragraph 2.6 A.1., requires tank roof to be knuckled, but drawings do not show a knuckle. Please clarify.	
86	Section 11500, Paragraph 3.4 D., requires lapped tank roof plates to be seal welded, but does not address if roof plates need to be welded to roof support rafters. Please confirm roof plate does not need to be welded to rafters.	
87	P&ID Sheet No. 373 details a Sample Pump SA-8 drawing off of the PW pipeline. That pump is not included in the Sample Pump schedule in Specification Section 11303. Please advise if this pump is to be included in this project.	
88	P&ID Sheet No. 365 details sump pumps P-409A/B with a control panel and they are not included in the Sump Pump and Motor schedule in Specification Section 11307. Please advise if these pumps are to be included in this project.	
89	The following tanks are detailed on the P&ID and Mechanical drawings but are not included in the tank schedules in either Specification Section 11179 FRP Tanks or 11600 Steel Chemical Tanks: T-600 & T-601 shown on P&ID sheet no. 374; T-610 shown on P&ID sheet no. 377; T-630 shown on sheet no. 379; T-640 shown on sheet no. 380; T-650 shown on P&ID sheet no. 381 and T-680 shown on P&ID sheet no. 384. Please provide a specification for these tanks if they are to be included in this project.	
90	Reference drawing G-6, FPUD General Note #11. What "cut-sheets" are to be provided at the preconstruction meeting?	
91	Reference drawing G-6, FPUD Water Note #22. This paragraph states "The contractor is required to take precautionary measures to protect any existing facility shown hereon and any other which is not of record or not shown on these plans." What precautionary measures is FPUD considering the contractor to take regarding existing facilities that are not of record and not shown on the plans, and to what extent are these precautions to be implemented in areas where no existing utilities/facilities are shown on the contract drawings?	
92	Reference specification section 01115-1.3.D. This paragraph requires materials, equipment and tools necessary to complete each MOFO to be on-site and verified by the ENGINEER seven (7) calendar days prior to any MOFO activity. If a piece of equipment to be used for a particular MOFO is not already onsite and will be rented just for the MOFO, this will add costs to the project to have that equipment delivered a week ahead of the MOFO. Please confirm that bids should include the costs for materials, equipment and tools to be delivered to the jobsite seven (7) days prior to a MOFO.	
93	Reference specification section 01115-1.4.D.1. The time period listed has a numerical value of 6 and a word value of 8. Please clarify if this should be 6 or 8.	
94	Reference specification section 01310-1.5.A. This paragraph requires the use of Primavera Project Planner (P3) to be used for the schedule. Please advise if Primavera P6 can be used.	
95	Reference specification section 01500-1.14.F. This paragraph states to "Repair existing roads and facilities damaged by CONTRACTOR'S use to original specified conditions or as directed by other Sections." Is the intent to repair to original specifications, or to the existing condition of road(s) and facilities prior to beginning work?	

RFI #	RFI Question	RFI Answer
96	Reference specification section 01500-1.18.C. This paragraph states to "Restore existing and permanent facilities used during construction to original condition. Restore permanent facilities used during construction to specified condition." Is the intent of this paragraph to restore these facilities to their original (new) condition, or to the existing condition prior to contractor beginning work?	
97	Reference specification section 01500-1.19.A. Is the contractor to provide firefighting services in addition to, or in lieu of, the applicable fire department? Is the contractor responsible for minimizing fire danger on property not associated with the project, but located in the vicinity and surrounding area? If so, what is the expectation for "minimizing" fire danger?	
98	Reference specification section 01545-1.3.A.5. This paragraph states "If CONTRACTOR damages an underground structure, CONTRACTOR shall restore it to original condition at no expense to the DISTRICT." Is the intent of this sentence to restore these structures to their original (new) condition, or to the existing condition prior to contractor beginning work?	
99	Reference specification section 02050-1.1.A. Please confirm that the DISTRICT (FPUD) will be the generator of any and all hazardous materials on the project.	
100	Reference specification section 15020-2.1.C. "Hangars subject to shock, seismic disturbances, or thrust imposed by the actuation of safety valves, shall include hydraulic shock suppressors." Please identify which hangars these conditions apply to, where hydraulic shock suppressors need to be installed, to properly estimate the costs.	
101	Reference specification section 15020-2.1.D. Please identify which hangars the conditions of this paragraph (Hangars Subject to Horizontal Movements) will apply to, to properly estimate the costs.	
102	Reference specification section 15020-2.1.E. Please identify all hangars which the conditions of this paragraph (piping subject to vibration or vertical expansion and contraction) apply to, to properly estimate the costs.	
103	Reference specification section 15020-2.1.F. Please provide the locations/quantities of expansion loops or joints in order to properly estimate the costs.	
104	Reference specification section 15020-2.1.I.2. Please clarify if FRP and/or 316 Stainless Steel material can be used for submerged supports. This section states "...constructed of fiberglass reinforced plastic and Type 316 stainless steel, unless otherwise indicated."	
105	Reference specification section 15020-2.2.A. Please provide the pipeline locations where temperatures other than ambient are expected to occur.	
106	Reference specification section 15052-1.1.B.4. This paragraph references sheet G-11. Please confirm that this should read sheet G-5.	
107	Reference drawing no. 200M-1 and 200M-2, 24" INF line at the tank. Drawing 200M-1 indicates the BFV to be tag #FSV-205 and drawing 200M-2 indicates the BFV to be tag #V-203 on the section cut 2. Please confirm that this valve is FSV-205.	
108	Reference drawing no. 200M-3 and 200M-4, 6" Air Line at the Surface Wash Air Compressors. Drawing 200M-3 indicates an Expansion Joint coming off of the compressors, while drawing 200M-4 indicates these to be flexible couplings. Please clarify if these should be expansion joints or flexible couplings.	
109	Reference drawing no. 300M-3, Section 5, and Specification Section 15100, Partial Valve List Area 300. On drawing 300M-3, FCV-355 is located in the 6" BWS line. Specification Section 15100 listed this valve as being 4". Please confirm that this valve is 6" and not 4".	
110	Reference drawing no. 200M-3 plan view and drawing no. 200M-4, section 2. Drawing 200M-3 shows a 2" UW line running along the east side of the filters, but section 2 on drawing 200M-4 does not show this line. Please provide a section view of this line to determine its location.	
111	Reference drawing no. 300M-3, Detail A. The 6" REC line coming off of the 16" IMT line has a note indicating a 3" 150 LB FLGD Outlet. Please confirm that this should be a 6" 150 LB FLGD Outlet.	
112	Make revisions to Specification Section 17329 Primary Sensors and Field Instruments.	<p>Make the following modifications to the Contract Documents.</p> <p>SPECIFICATION SECTION 17329 PRIMARY SENSORS AND FIELD INSTRUMENTS</p> <p>REVISE Paragraph 1.8.A to read:</p> <p>5. "SODIUM HYPOCHLORITE" (NaOCl), 11.9 percent solution, Specific Gravity = 1.20.</p> <p>6. "SODIUM HYDROXIDE" (NaOH), 25 percent solution, Specific Gravity = 1.15.</p> <p>7. "PHOSPHORIC ACID" (H3PO4), 85 percent solution, Specific Gravity = 1.69.</p> <p>8. "FERRIC CHLORIDE" (FeCl3), 37 percent solution, Specific Gravity = 1.37.</p> <p>REVISE Paragraph 2.6.A.1 to read:</p> <p>Liquid level indicators shall be provided for each of the chemical storage tanks as shown and specified. Indicators shall be designed for flanged side vessel mounting and suitable for the chemical service as specified in Paragraph 1.8.B of this Section. The level indicators shall consist of a float containing a magnet within the float chamber attached to the tank which follows the liquid level. The level of the float is magnetically transmitted to the indicator.</p>
113	May two or more contractors on the prequalification list submit a bid as a joint venture?	Yes. Any bid by a joint venture shall be in accordance with paragraph 12 of the instructions to bidders and include a power of attorney as set forth therein.

RFI #	RFI Question	RFI Answer
114	Revision to Pre-Qualified CSI list.	Make the following modifications to the Contract Documents. SPECIFICATION SECTION 17010 INSTRUMENTATION & CONTROLS - GENERAL REQUIREMENTS ADD to Paragraph 1.1.E: 5. Technical Systems, Inc. 949-590-8201
115	Revision to Specification Section 01115 Construction Sequence and Coordination	Make the following modifications to the Contract Documents. SPECIFICATION SECTION 01115 CONSTRUCTION SEQUENCE AND COORDINATION ADD to Paragraph 1.4.C: 6. Demolition of existing 1 MG Martin Reservoir shall be completed within 90 days of notice to proceed.

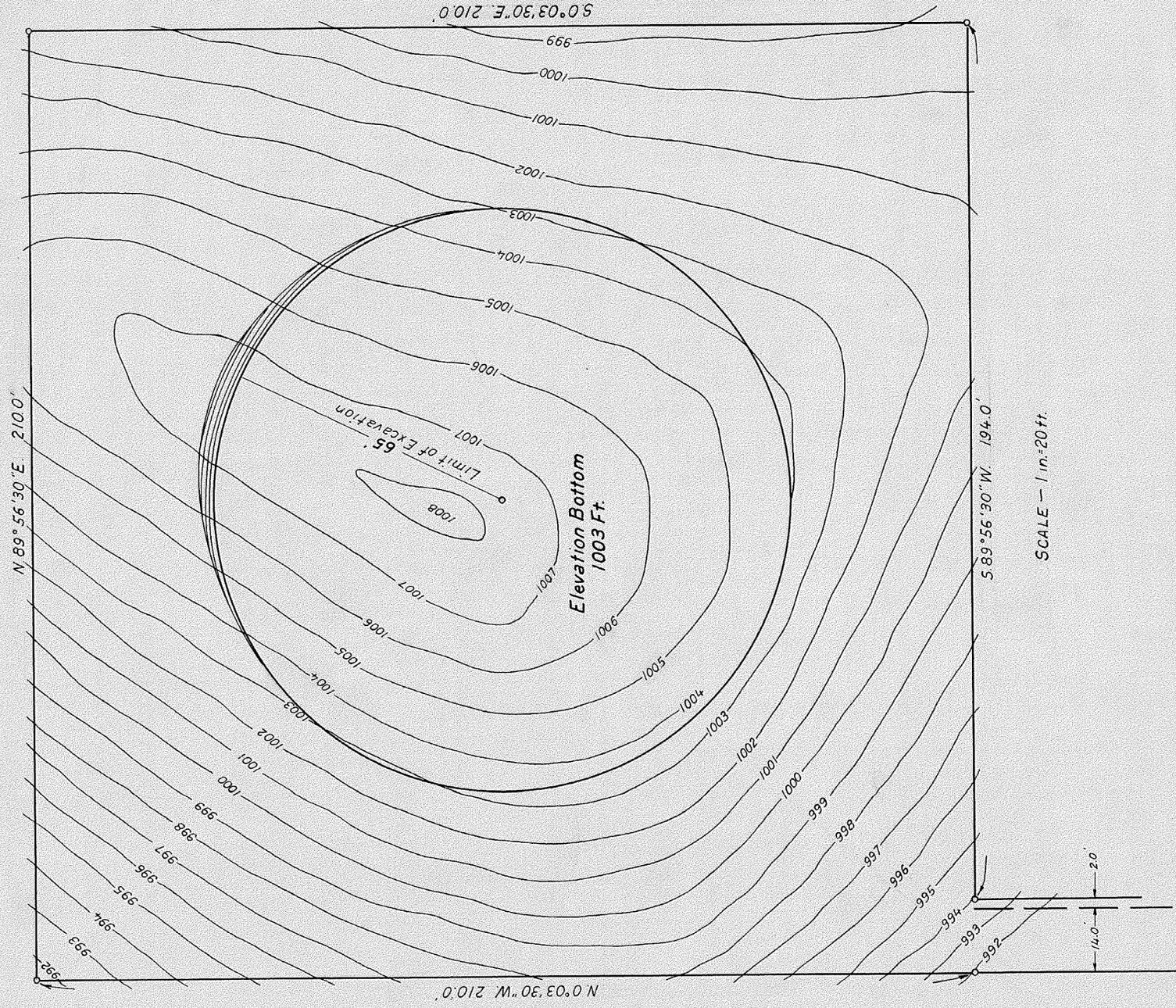
DRAWING NUMBER

DRAWING NUMBER

D-709-I

PLAN-HOLD CORPORATION • IRVINE, CALIFORNIA
ADDRESS BY NUMBER 07548

PLAN-HOLD CORPORATION • IRVINE, CALIFORNIA
ADDRESS BY NUMBER 07548



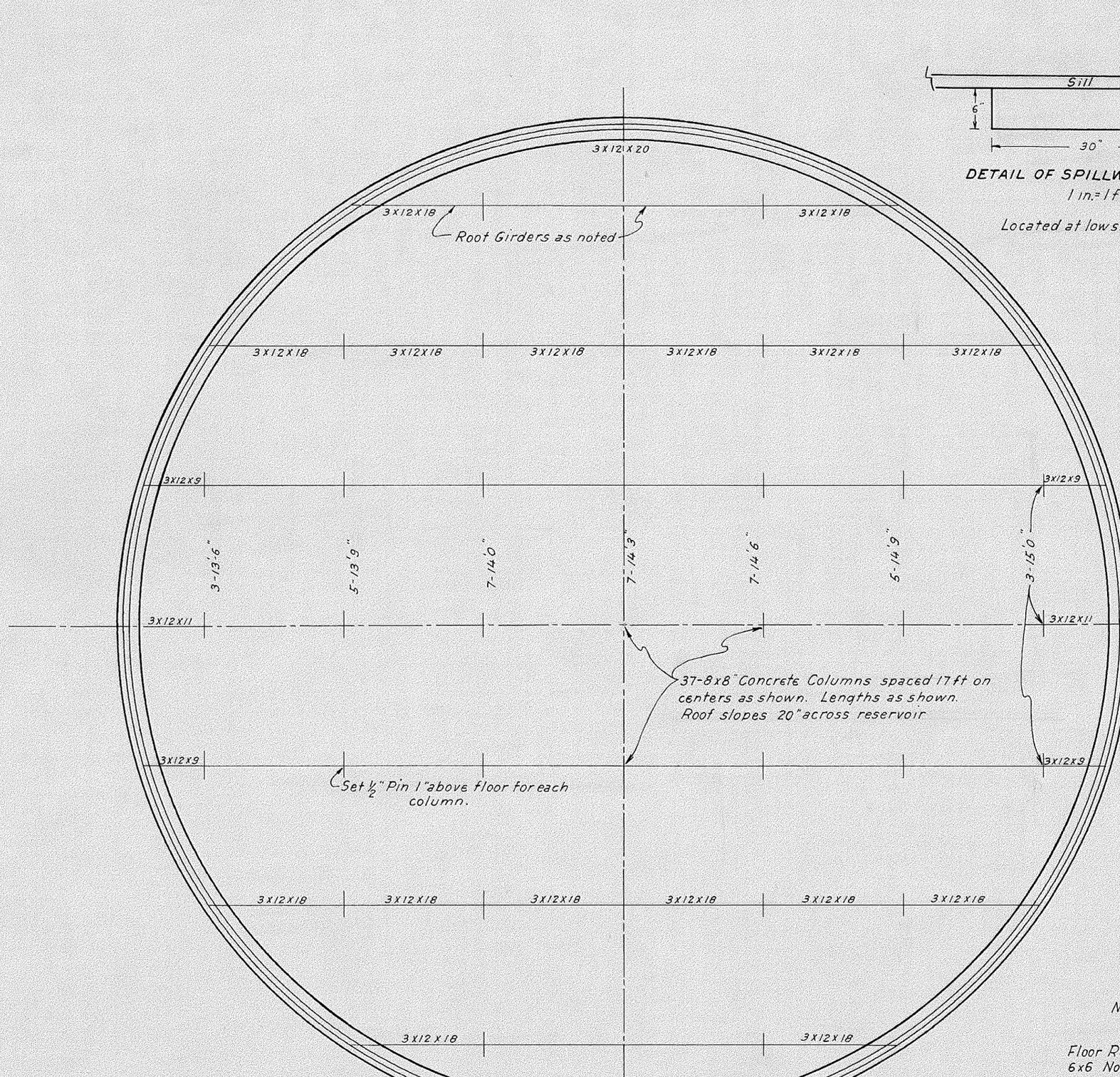
FLAT EXCAVATION		
Contour	Area-Sq.Ft.	Average-Cu.Ft.
1009	0	70
1008	212	1406
1007	2600	4152
1006	5704	7214
1005	8724	10218
1004	11,712	12491
1003	13,270	35,551
Flat Total	1317	Cu.Yds.
Footings	35	" "
Total	1352	Cu.Yds.

SAN LUIS REY RIVER DEVELOPMENT
FALLBROOK PUBLIC UTILITY DISTRICT
CONTOUR MAP - MARTIN RESERVOIR

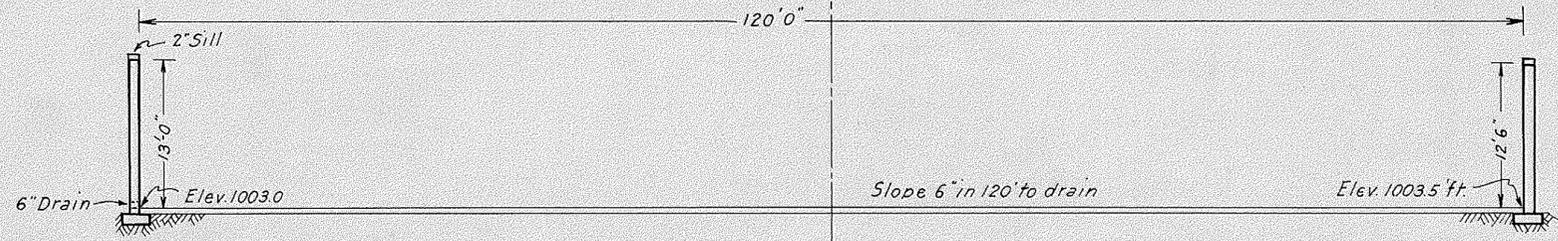
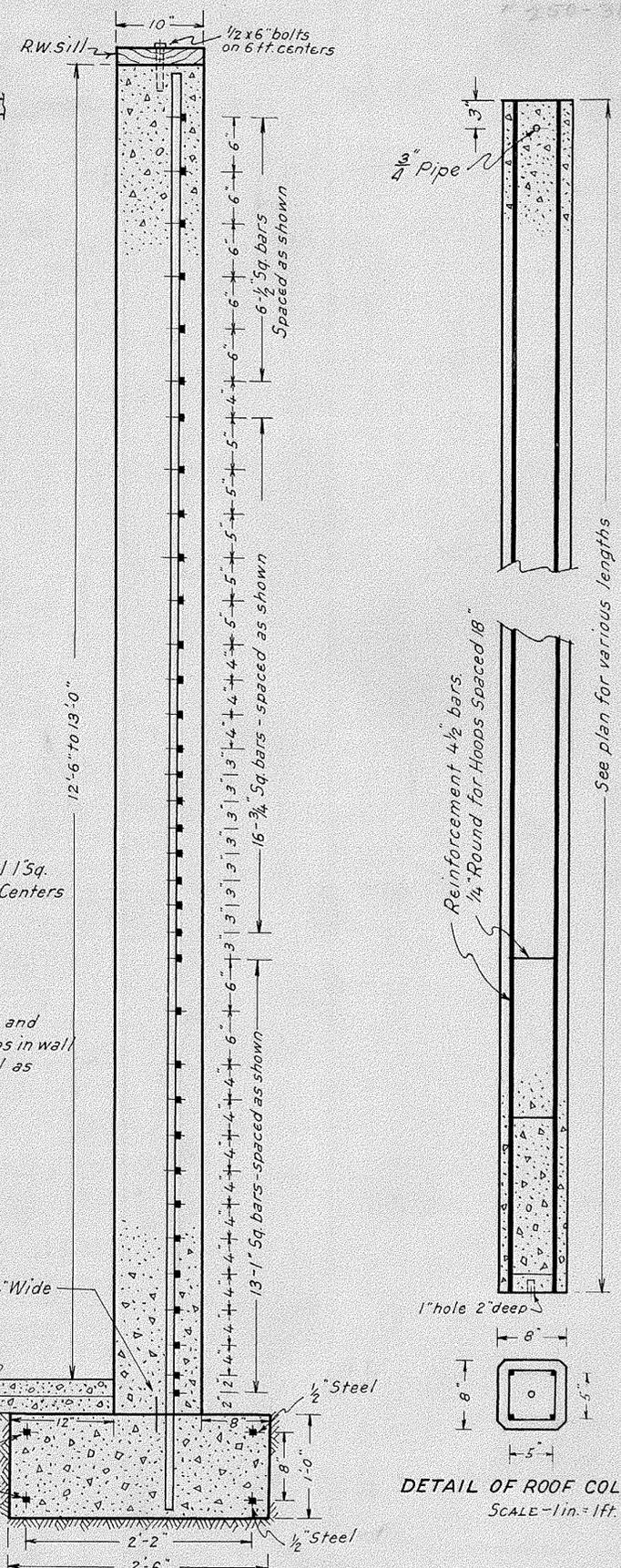
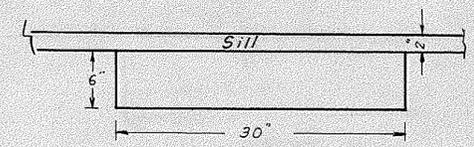
John H. Chinn
Engineer - Reg. No. 625
EXCAVATION SHEET

DRAWING NUMBER
D-709-2

DRAWING NUMBER
D-709-2



PLAN AND SECTION SHOWING COLUMN SETTING
SCALE - 1 in. = 1 ft.



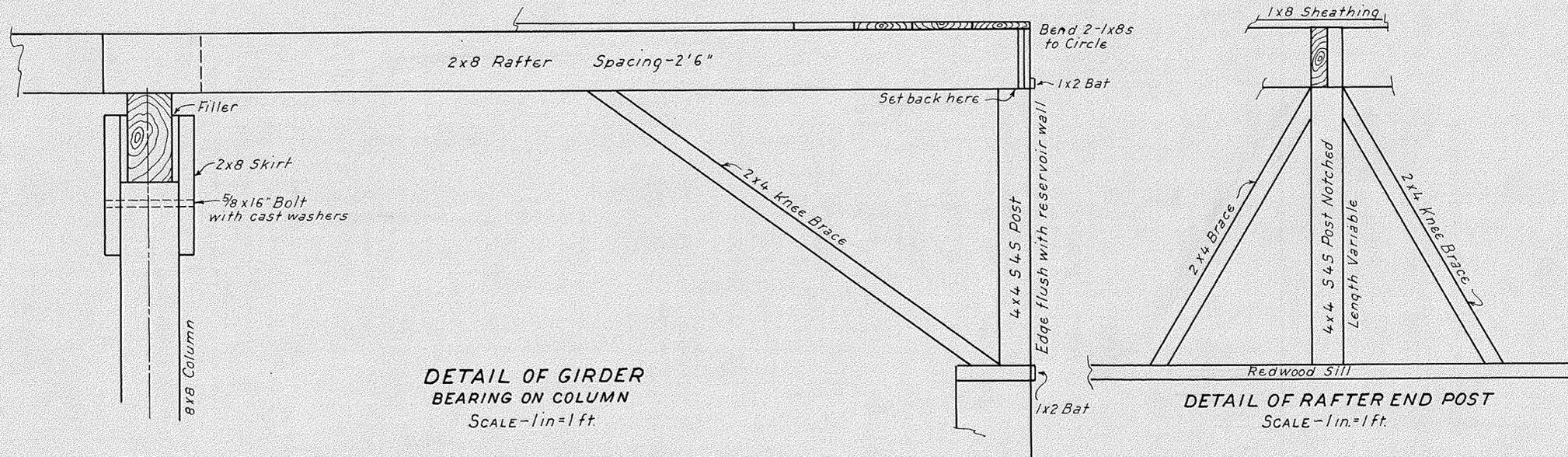
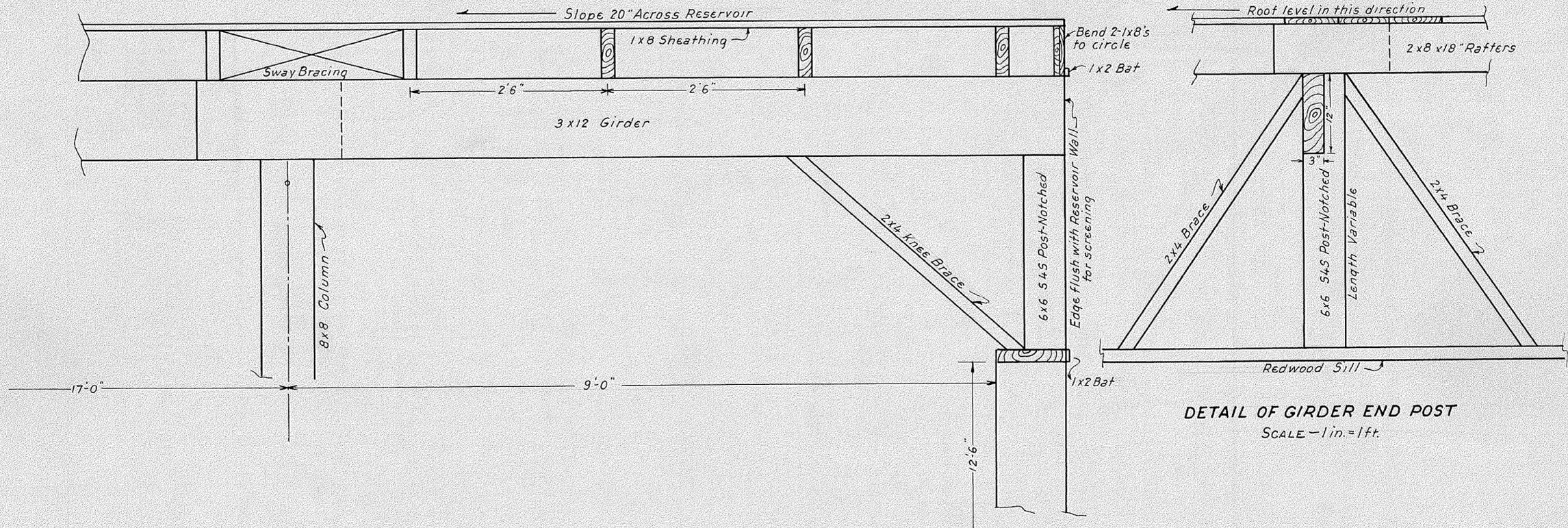
SAN LUIS REY RIVER DEVELOPMENT
FALLBROOK PUBLIC UTILITY DISTRICT
MARTIN RESERVOIR

John H. Chan
Engineer - Reg. No. 625

D-709
CONCRETE

DRAWING NUMBER
D-709-3

DRAWING NUMBER
D-709-3



SAN LUIS REY RIVER DEVELOPMENT
FALLBROOK PUBLIC UTILITY DISTRICT

MARTIN RESERVOIR

John H. Chan
Engineer - Reg. No. 625

D-709

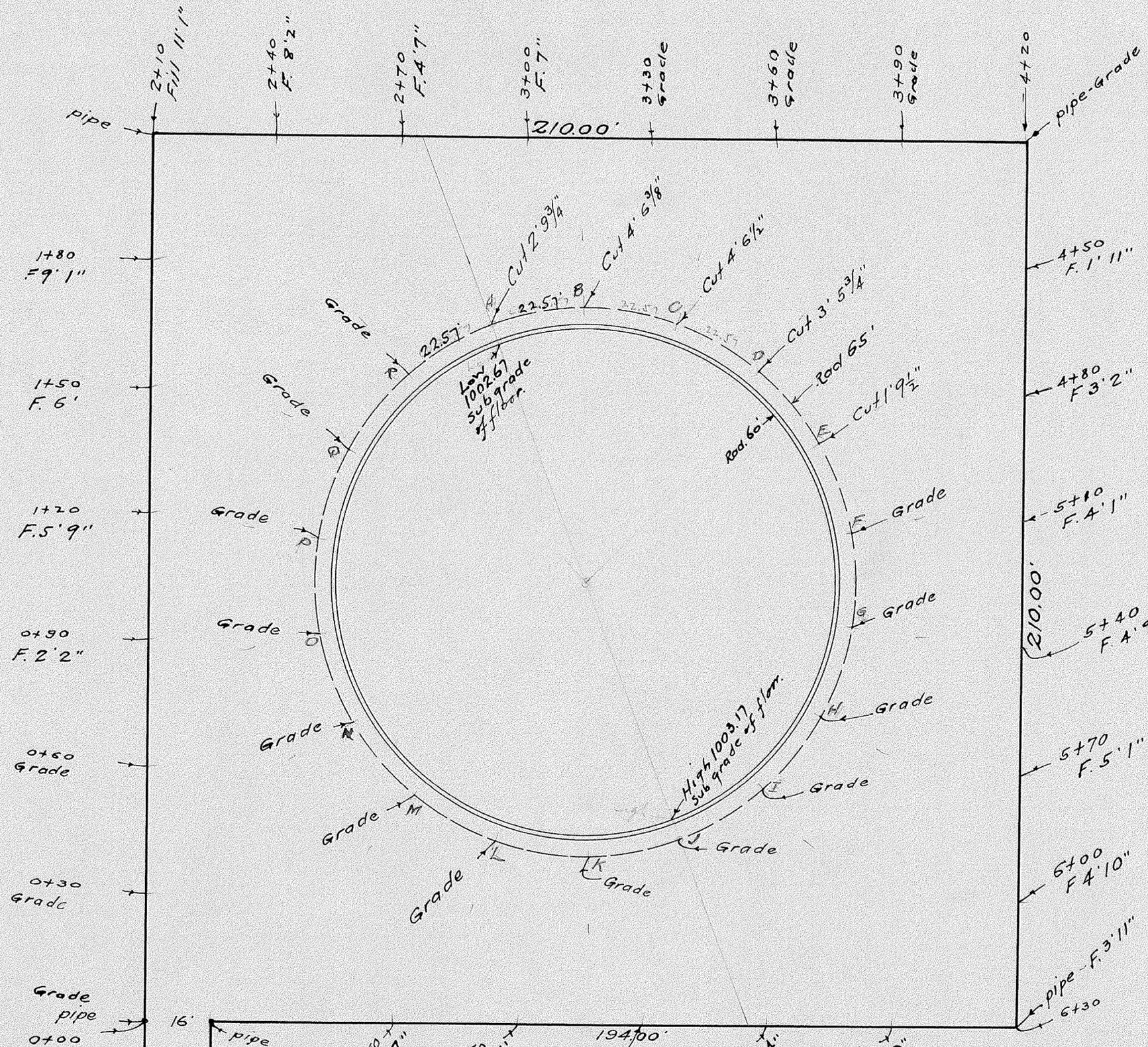
ROOF

DRAWING NUMBER
D-709-4

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
RECORD BY NUMBER 07246

DRAWING NUMBER

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
RECORD BY NUMBER 07246



Fallbrook Public Utility District
Martin Site Reservoir
Excavation Grades.
Scale-1"=20'

Note: points are marked by tack in hub & witness and are 6.5' from Center of Reservoir, or 5' from inside of Reservoir Wall.
Grade referred to is Sub grade of Reservoir floor at inside of Wall, which is 4" below finished floor grade.

Stations 0+00 to 7+80 are on the exterior lines of the reservoir site and mark the toe of Fill to have a 1 to 1 slope.

