

REQUEST FOR PROPOSALS

FOR DESIGN AND ENGINEERING SERVICES
FOR THE EBBETTS PASS WATER SYSTEM

SAWMILL TANK REPLACEMENT PROJECT

CIP 11083S

Receipt of Proposals due before: 4:00 p.m. PST on July 10, 2024



CALAVERAS COUNTY WATER DISTRICT

120 Toma Court
San Andreas, California 95249
(209) 754-3543 • ccwd.org

June 3, 2024

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FIGURES

Request for Proposals (RFP) figures are attached at the end of the RFP. Figures are listed below.

- Figure 1 Project Location Map
- Figure 2 Project Site Location

EXHIBITS

Request for Proposals reference exhibits are attached at the end of the RFP. Reference exhibits are listed below.

- Exhibit 1 Calaveras County Assessor’s Maps – Book 25, Page 004
- Exhibit 2 District Record Drawings Existing 3.0 MG Sawmill Tank
- Exhibit 3 District Record Drawings Sawmill Tank Pump Station Improvements
- Exhibit 4 District Record Drawings Reach 3A Project Sawmill Site Improvements
- Exhibit 5 Professional Service Agreement (PSA)

I. PROJECT BACKGROUND

Calaveras County Water District (District) provides potable water treatment and conveyance service to the communities in Ebbetts Pass including Arnold located in Calaveras County. Within the Ebbetts Pass service area the District operates a 3.0-million gallon (MG) water storage tank, pump station, and associated facilities referred to as Sawmill Tank. Approximately 2,300 District customers rely on the tank's operation. Water pressure for the community of Meadowmont is maintained by the tank and associated tank pump station supplies water to the communities of Dorrington and Big Trees. Tank site is situated on APN 025-004-036, immediately east of White Pines Lake, see **Figure 1** and **Figure 2**. This property is District owned and approximately 292-acres in size. Calaveras County Assessor's Maps - Book 25, Page 004 is provided as **Exhibit 1**.

The current welded steel Sawmill Tank was constructed in 1977 replacing two redwood tanks. Tank facility improvements were subsequently than made in 2012 and 2018. These improvements consisted of a new electrical building and modifications to the tank inlet and outlet piping system. Record drawings, in chronological order, of the tank construct and improvements are provided as **Exhibit 2, Exhibit 3, and Exhibit 4**.

District operation of the existing Sawmill Tank is problematic due to multiple concerns. Tank condition is very poor, and capacity greatly exceeds normal water demand resulting in regular water quality issues from chlorinated organics. Additionally, design and operation does not permit the District to shutdown and drain the tank for a sufficient period of time to affect necessary repairs. As a result, the District is seeking design services for replacement of the Sawmill Tank.

II. PROJECT DESIGN

Design services for the proposed Sawmill Tank Replacement Project shall include the minimum design elements.

1. Design of two ANSI/AWWA D103 coated bolted carbon steel tanks each with an operating capacity of 0.5 MG. Tank interior and exterior surfaces shall be glass fused to steel per D103-9 12.4 with a clear span aluminum cover. The glass encapsulation of the steel panels shall be on all sheet edges, the tank shall be designed not to require any external belly straps. The cathodic Protection system shall include sacrificial anodes. Tank mixing systems shall be provided within the tank on common feed-fill lines to maximize circulation and water age.
2. Each tank minimum and maximum water elevations shall match to permit single or combined tank operation.
3. Both tanks shall be designed to comply with California Department of Drinking Water requirements, aka AWWA recommendations, concerning potential impact from a design seismic event including tank movement, water movement inside the tanks, and horizontal and vertical movement of inlet and outlet piping.
4. Tank foundations shall consist of concrete ring wall with an embedded wall starter sheet and concrete tank floor.

5. Replacement tanks and associated improvements shall be designed to utilize the existing pump station located at the site.
6. The design improvement shall maintain operation of the existing Sawmill Tank during construction.
7. Demolition of existing tank 3.0 MG performed upon completion and operation of the two new water storage tanks.

III. PROJECT SCHEDULE

Design and construction of the project is budgeted for Fiscal Year (FY) 2024-25 and 2025-26 with construction completed by October 2025. Due to potential weather-related conditions at the project site, construction activities are to occur beginning in May and end in September of the respective year. Therefore, based upon project budgeting and weather-related construction limitations, the District anticipates the following project schedule.

PROJECT SCHEDULE MILESTONES

Milestone	Date
<u>Design and Engineering Services Selection</u>	
Project RFP	June 3, 2024
Job Walk Appointments	June 4 thru June 28, 2024
Proposal Deadline	July 10, 2024
District Review, Selection, and Staff Recommendation	July 31, 2024
Board Approval and Contract Award (FY 2024-25)	August 14, 2024
<u>Project Design</u>	
Preliminary Design Memorandum	September 2024
Survey, Geotechnical Report, and Draft CEQA	October 2024
Final Design and Construction Documents	January 2025
<u>Project Construction</u>	
Construction Contract Bid and Award	March 2025
Conformed Drawings and Project Manual	April 2025
Project Construction	April thru October 2025
Construction Completion and As-Built Documents	November 2025

IV. PROJECT APPROACH AND SCOPE OF SERVICES

This Section describes the nature and scope of the engineering services to be provided and tasks to accomplish those services. The District expects the Consultant to work closely with District staff throughout the project by correspondence and regular meetings to accomplish their scope of work.

A. PROJECT MANAGEMENT

Consultant will ensure continuous control of the project in terms of staffing, budget, schedule and scope; promote communication within the project team and document key decisions. The Consultant is to prepare agenda, schedule and conduct periodic project meetings with District staff including meetings for review project deliverables, and one (1) presentation to the District Board of Directors or Engineering Committee.

The Consultant is to otherwise plan for a reasonable number of project meetings, field meetings and site visits to carry out each task, assure coordination of work and communication with all the various subconsultants, professionals, utilities, government agencies, and other representatives associated with the project. Online meetings via Microsoft Teams® or other online platform are encouraged in concert with periodic in-person meetings. Site visits will be required for some tasks to facilitate coordination of work, communication, clarify objectives, better define scope, identify constraints, confirm assumptions, understand site conditions, agree on requirements, etc. for the project.

It is the responsibility of the Consultant's project manager to immediately notify the District Engineer of any District directed task/assignment/request the Consultant believes is beyond contract scope of service. Approval of additional work by the District Engineer is required prior to execution of the work. Costs related to the performance of additional work will not be paid unless first approved by the District Engineer.

Deliverables: Project progress reports, meeting agendas, and Decision Log throughout length of contract.

B. SURVEY (TOPOGRAPHIC AND GRANT OF EASEMENT)

Design services are to include a topographic survey of the project site including horizontal and vertical datum controls, topographic mapping and surveying existing structures, fencing, utilities, valves, hydrants, culverts, and other items relevant to the design. Survey shall conform to the North American Datum (NAD83), California Zone 3 and North American Vertical Datum of 1988 (NAVD88).

Survey services shall also include an easement description and other necessary documents for the execution of a Grant of Easement by the District (Grantor) to the owner of APN 025-004-037, Sierra Pacific Industries (Grantee). Refer to **Exhibit 1** of parcel requiring easement.

All survey work shall be conducted under the direction of a California licensed land surveyor, or civil engineer licensed in California before January 1, 1982 (license number C33965 or below).

C. GEOTECHNICAL INVESTIGATION

Proposals shall include design and engineering services by a California licensed geotechnical engineer to prepare a project geotechnical study. Study shall include recommended methods of site excavation, allowable temporary and permanent slope design, tank foundation design, compaction requirements, and passive soil loads.

D. ENVIRONMENTAL/CEQA DOCUMENTS

The Consultant's scope of work shall include scope and level of effort to comply with California Environmental Quality Assurance (CEQA) requirements including preparation of the CEQA document and filing of the corresponding documents with the State Clearinghouse Office of Planning and Research via CEQAnet. Initial technical studies are to be completed by a qualified environmental firm. Upon completion of the initial studies, the Consultant shall substantiate either an exemption, negative declaration (ND) or mitigated negative declaration (MND). The draft CEQA document will be issued, and final version amended in response to public comment. In accordance with Assembly Bill AB52, the District may be required to notify two (2) American Indian tribes which may result in a District request for subsequent consultation.

E. STORMWATER POLLUTION PREVENTION PLAN

Consultant will develop a project specific Stormwater Pollution Prevention Plan (SWPPP) and Best Management Practices (BMP's) to comply with the Construction General Permit. The SWPPP is to be prepared by a Qualified SWPPP Developer (QSD) licensed by the California Stormwater Quality Association. The SWPPP is to be uploaded electronically by the Consultant via the State's Storm Water Monitoring and Report Tracking System (SMARTS), certified by the District, and assigned a valid WDID number by the State. The Consultant will ensure that no less than six (6) weeks before contractor's mobilization date for start of construction that final SWPPP has been uploaded to State's SMARTS database. Also, the Consultant is to prepare six (6) printed, color copies of final SWPPP document in three ring binders and distribute two copies each to the Contractor and District staff.

F. PRELIMINARY DESIGN REPORT

The Consultant shall prepare a preliminary design report with recommendation and conclusions concerning the proposed project design. The report shall address the following:

1. Recommendations regarding proposed tank location and design.
2. Estimated construction probable construction cost.
3. Review of RFP project design requirements and recommendations concerning methods for reducing costs and/or alternative improvement solutions.
4. Recommend construction phasing to permit operation of existing Sawmill Tank and pump station during construction.
5. Preliminary hydraulic calculations, as required.

6. Design criteria and preliminary equipment and material selection.
7. Preliminary scaled design concept drawings.

If the District has significant comments, questions, or changes regarding the report, the Consultant shall prepare a revised report in response.

Deliverables: Preliminary design report and attendance of one (1) design report review meeting. A revised report will be prepared, if required.

G. PROJECT DESIGN

Drawings. The Consultant shall provide all necessary civil, mechanical, and process drawings for execution of project construction. This includes standard drawings such as: cover sheet, index of drawings, vicinity and location map, general notes, project notes, standard details, description of symbols, and abbreviations.

The 100 percent drawings shall represent the final project design. The Consultant shall anticipate revisions to the 100 percent drawing based upon final District comments prior to production of the Bid-Ready set.

Deliverables: Fifty (50) percent, 90 percent 100 percent, and Bid-Ready drawings for incorporation with Project Manual. Drawing submittals shall be furnished to the District in Adobe® Acrobat™ Public Document Format (Adobe pdf) file format for reproduction as both 11”x17” (ANSI C) and 22”x34” (ANSI D) paper size. Bid-Ready drawings shall be furnished in Autodesk® AutoCAD™ format.

Project Manual. The Consultant shall prepare a project manual including front end document, technical specifications, and appendices. The manual’s front-end documents shall be based on the 2018 edition of the *Engineers Joint Contract Documents Committee Standards* (EJCDC®). A copy of the standards will be furnished to the Consultant by the District. The Consultant shall edit the EJCDC® documents adding any project specific and State of California contract requirements.

Consultant shall provide a bid schedule, detailed descriptions for each bid item, alternative bid items, if any, and description of sequence of work. The technical specifications shall be based upon the Consultant’s standards, or if applicable, adapted from District standards. Project Manual appendices shall include copies of encroachment permits, stormwater pollution prevention plan (SWPPP), environmental/CEQA documents and mitigation measures, geotechnical report, and other such reports.

Deliverables: Ninety (90) percent 100 percent, and Bid-Ready Project Manual.

H. CONSTRUCTION ASSISTANCE

Construction Bid Services, Addendum, and Conformed Documents. The District shall advertise and conduct the public bid. Distribution of project manual and drawings to

bidders and plan holder rooms will be electronic. All correspondence with potential project bidders will be solely conducted by the District including issuing all project addendum and responds to bidder Requests for Information (RFI).

The Consultant shall attend pre-bid job walk and as requested the Consultant shall assist the District prepare addendum and answer RFIs. Addendum may be the result of errors in preparing bid ready drawings and project manual or result of bidders' questions and comments. Upon award of construction contract and but prior to subsequent notice to proceed, the Consultant shall furnish the confirmed contract documents.

Construction Engineering. Consultant scope of services during construction shall include review of project shop drawings and submittals, answer of construction RFIs, assistance with engineering aspects of potential construction contract change orders, site and construction meeting upon request.

Record Drawings. The Consultant shall furnish record drawings and deliver them in AutoCAD™ 2018 format. Record drawings shall be based upon the contractor and District inspector marked-up drawings.

I. BASIS OF COMPENSATION

The Consultant shall be required to enter into the Professional Services Agreement (PSA) provided as **Exhibit 5**. Agreement to the PSA contract terms and conditions, including adjustment in hourly rates, per diem or incidental costs, is required for the term of the contract. Acknowledgement to the PSA contract terms shall be included in a cover letter.

V. ORGANIZATION AND CONTENT OF PROPOSAL

A. SUBMITTAL INSTRUCTIONS

Proposals shall be submitted electronically to Calaveras County Water District no later than 4:00 p.m., July 10, 2024. The Proposal shall assemble as a single Adobe® pdf file. Paginate proposal for two-sided printing at the District office. Paper size limited to 8-¹/₂"x11" (ANSI B) with figures, drawing, etc. no greater than 11"x17" (ANSI C).

Proposals attached to email are limited to 35.0 megabytes in size. Proposal delivery using a file "cloud" sharing site, or similar, is acceptable provided the District receives a HTTP or FTP link and download instructions. The District will notify the Consultant upon receipt and successful download. No hard "printed" copy of the proposal is required.

Email proposal, or link for file download to the attention of:

Kevin Williams, P.E.
Senior Civil Engineer
kevinw@ccwd.org
office: (209) 754-3184

B. ORGANIZATION AND CONTENT

Contents of proposal shall be organized in the sections listed in the table below.

PROPOSAL ORGANIZATION

Section	Content	Page Length
Cover Letter	Statement of interest and qualifications including agreement to PSA requirements.	1 to 2
A	Project Overview	1 to 3
B	Understanding and Approach	1 to 4
C	Team Organization	1 to 2
D	Project Schedule	1 to 2
E	Representative Project Experience	1 to 5
F	Labor Estimate and Fee Estimate	1 to 2
G	Project Team Resumes	as required

Cover Letter. Cover letter shall include both a state of interest and statement of qualification. Acknowledgement and acceptance of the terms and requirements of the District Professional Service Agreement shall be included.

Project Overview. Provide a narrative description of the project based on the scope of services and proposed schedule presented in this RFP. The District will assess your understanding of all aspects of the project based on the overview.

Understanding and Approach. Provide a detailed description of the proposed approach to the project as described in the RFP. The description shall include details to implement the tasks described in the scope of service and any recommended revisions to the list of tasks. The approach should recognize, address, and provide for resolution of all aspects of the project.

Team Organization. The proposed consultant team shall be identified including project manager, and project engineer. Key tasks and the associated personnel shall be identified. The percentage of time devoted to this project for these key personnel shall be stated and guaranteed. A consultant team organization diagram shall be included.

The geographic location of the firm and key personnel shall be identified. Any proposed subcontractors shall be identified; tasks assigned, and experience included similarly to the firm's own project personnel. The successful Consultant should be comfortable working in a structured team setting with District Staff.

Project Schedule. A project schedule for the project shall be submitted with the proposal. All major outputs and meetings shall be included in the schedule. Time shall be allocated for District review, typically three weeks for each deliverable.

Representative Project Experience. Provide a summary of experience of similar projects that the firm and the proposed team have completed. The description of each project should include the year(s) during which the work was performed and a description of process design components. The firm's role in the project should also be described (pre-design, design construction management, etc.). Include the name, title, and phone number of the primary contact person at each facility or project location listed.

Staff Labor and Fee Estimate. Provide a staff estimate of time for each task to permit the District to determine the level of detail and the number of management, engineering, technical, drafting and support personnel hours envisioned for each task. Estimates of hours for each staff classification shall be provided for each task. Associated fee schedule for each staff classification and task shall be included.

Project Team Resumes. A resume of key team members shall be included. Each resume should include a description of projects in related areas. At minimum, resumes of the Consultant's project manager and those of the engineering staff shall be included.

VI. EVALUATION AND SELECTION CRITERIA

Consultant proposals will be evaluated by District staff members including the District Engineer, Director of Operations, Operations Manager, General Manager, and Senior Engineer. Proposals will be evaluated by each reviewer with each proposal receiving a weighted score. Each evaluator's weighted score will be tabulated and the firm with the highest combined score will be selected and recommended to the District Board. If two or more proposals are similarly ranked, and no clear decision can be made, the District will request interviews before final selection.

PROPOSAL EVALUATION WEIGHTED CRITERIA TABLE.

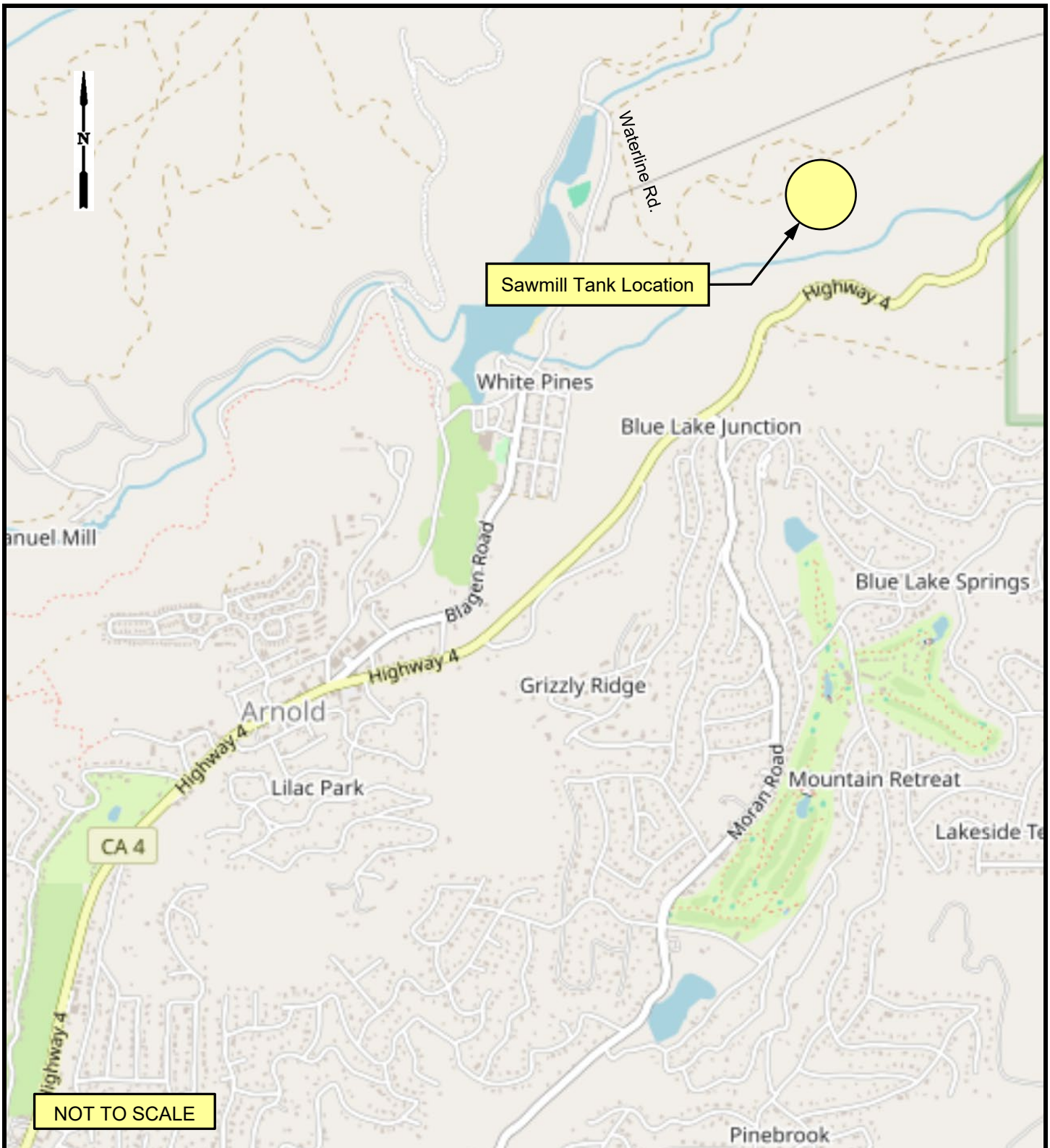
Criteria	Evaluator's Score (0 to 5)	Score Weight (Multiplier)	Evaluator's Weighted Score
Project Understanding and Approach		5 (25%)	
Project Management		3 (15%)	
Project Team and Staff Qualifications		4 (20%)	
Related Project Experience		3 (15%)	
Schedule and Production Capability		5 (25%)	

Maximum weighted score = 100.

*** END OF RFP ***

FIGURE 1

**PROJECT LOCATION MAP
SAWMILL TANK REPLACEMENT PROJECT**

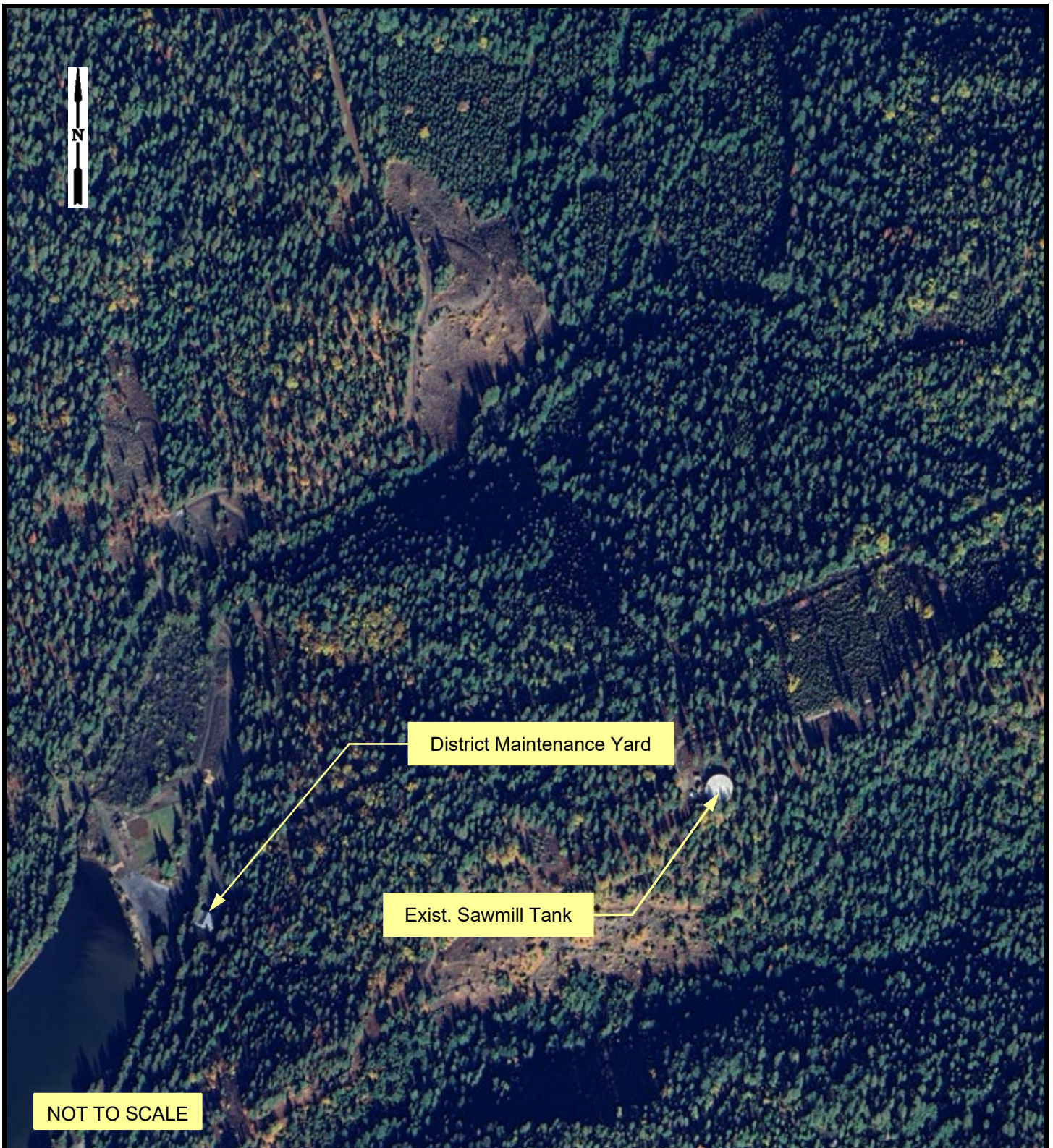


PROJECT LOCATION MAP
Sawmill Tank Replacement Project
Calaveras County Water District / Request for Proposals
May 2024

FIGURE 1

FIGURE 2

**PROJECT SITE LOCATION
SAWMILL TANK REPLACEMENT PROJECT**



PROJECT SITE LOCATION
Sawmill Tank Replacement Project
Calaveras County Water District / Request for Proposals
May 2024

FIGURE 2

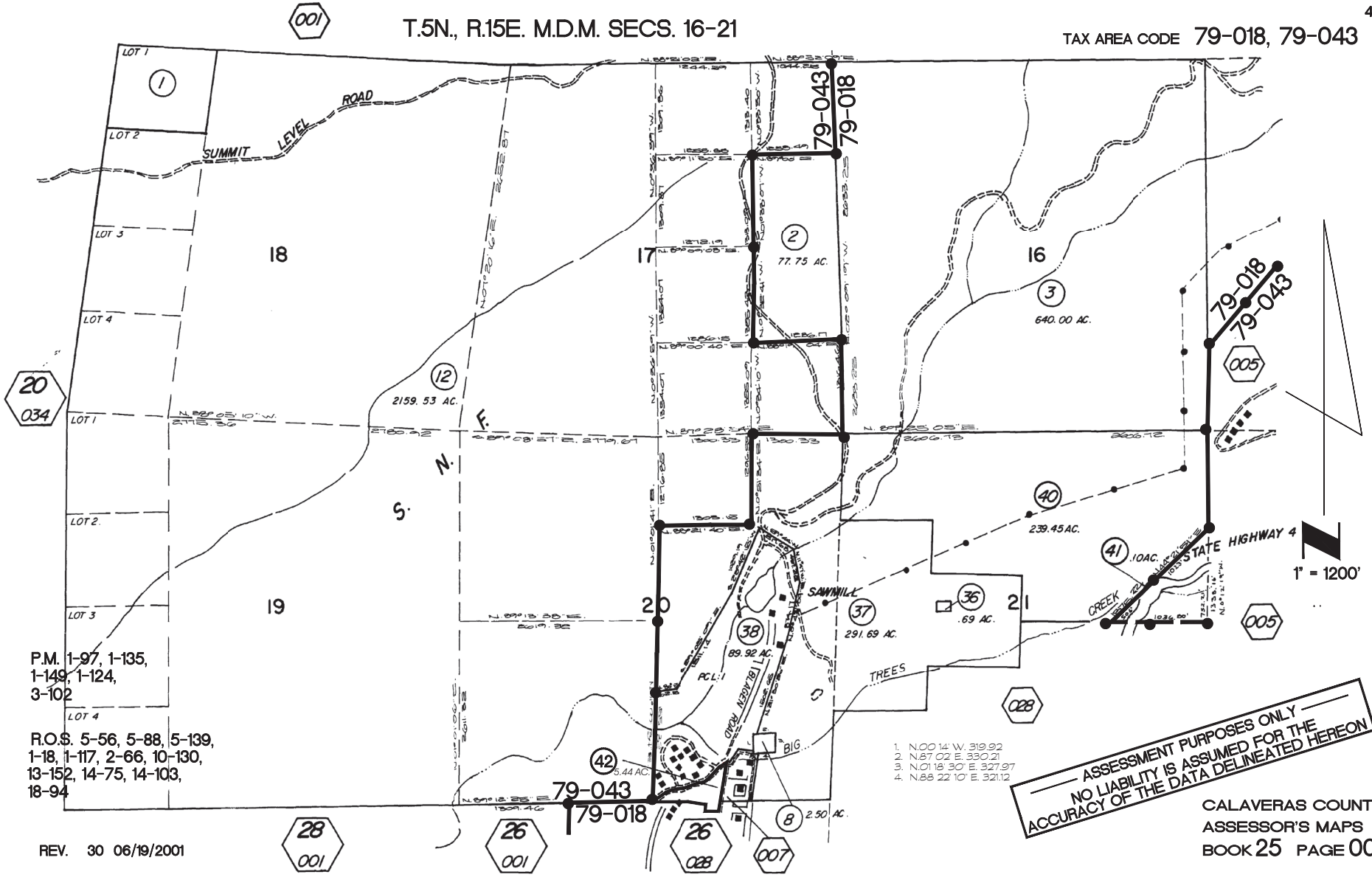
EXHIBIT 1

CALAVERAS COUNTY
ASSESSOR'S MAPS

BOOK 25, PAGE 004

T.5N., R.15E. M.D.M. SECS. 16-21

TAX AREA CODE 79-018, 79-043



P.M. 1-97, 1-135,
1-149, 1-124,
3-102

R.O.S. 5-56, 5-88, 5-139,
1-18, 1-117, 2-66, 10-130,
13-152, 14-75, 14-103,
18-94

- 1. N00 14' W. 319.92
- 2. N87 02' E. 330.21
- 3. N01 18' 30" E. 327.97
- 4. N88 22' 10" E. 321.12

ASSESSMENT PURPOSES ONLY
NO LIABILITY IS ASSUMED FOR THE
ACCURACY OF THE DATA DELINEATED HEREON

CALAVERAS COUNTY
ASSESSOR'S MAPS
BOOK 25 PAGE 004

EXHIBIT 2

DISTRICT RECORD DRAWINGS
EXISTING 3.0 MG SAWMILL TANK

(50 PERCENT SCALE)

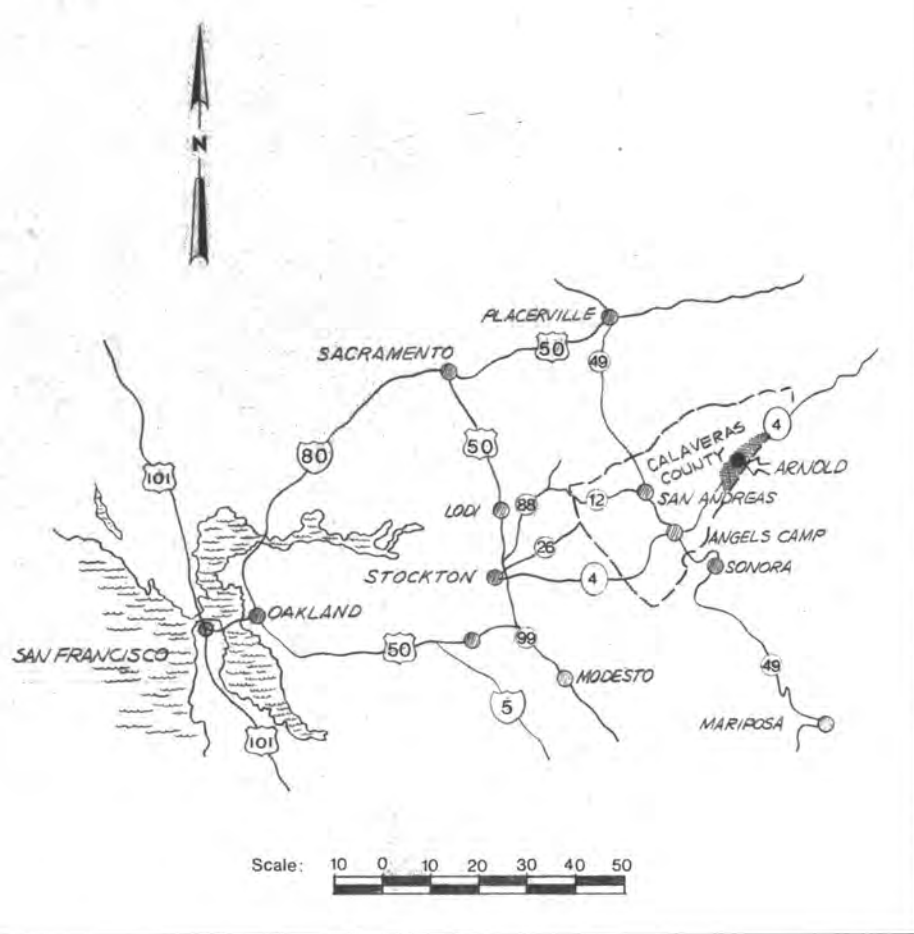
CALAVERAS COUNTY WATER DISTRICT

CONTRACT DRAWINGS FOR

EBBETTS PASS STORAGE FACILITIES

EDA PROJECT NO

07-01-01862



LOCATION MAP

BOARD OF DIRECTORS

Kenneth R Mitchell President
John D Tuttle Vice President
Richard Queirolo
David J Silveira
Vern Stewart

Submitted:

FJ Fahlen RCE 20069
Project Engineer, Dewante & Stowell

Approved:

Steve Felte
Manager



CALAVERAS COUNTY WATER DISTRICT
EBBETTS PASS STORAGE FACILITIES

TITLE AND LOCATION MAP

DEWANTE AND STOWELL
SANITARY AND CIVIL ENGINEERS — SACRAMENTO, CALIFORNIA

DRAWN: R.R.R. SUBMITTED: F.J. Fahlen SHEET NO.

ABBREVIATIONS

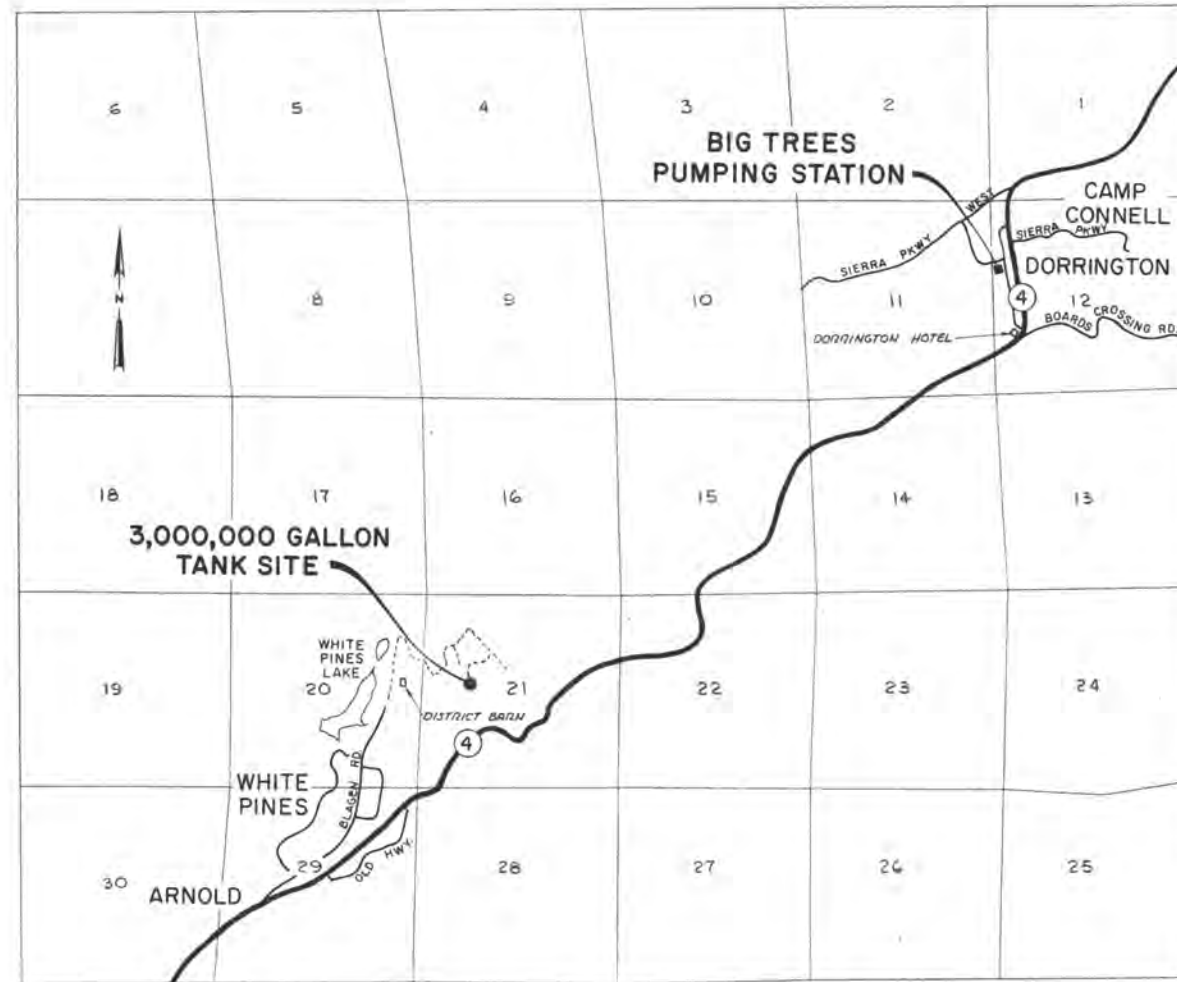
A.C.	ASBESTOS CEMENT PIPE	I.P.	IRON PIPE
B.F.	BLIND FLANGE	M.H.	MANHOLE
B.V.	BUTTERFLY VALVE	N.T.S.	NOT TO SCALE
CL.	CLEAR	O.C.	ON CENTER
CL ₂	CHLORINE	P.M.S.	PLANT MIX SURFACE (ASPHALTIC CONCRETE)
C.M.P.	CORRUGATED METAL PIPE	P.R.V.	PRESSURE REGULATING VALVE
D.C.I.	DUCTILE CAST IRON PIPE	P.S.	PUMP STATION
E.F.	EACH FACE	P.V.C.	POLYVINYL CHLORIDE
ELL.	ELBOW	R	RADIUS
E.W.	EACH WAY	R&S	REMOVE AND SAVE
F.C.A.	FLEXIBLE COUPLING ADAPTOR	S.T.P.	SEWAGE TREATMENT PLANT
FLG.	FLANGE	TYP.	TYPICAL
G.S.	GALVANIZED STEEL	V.C.P.	VITRIFIED CLAY PIPE
H.B.	HOSE BIBB	W.S.	WELDED STEEL PIPE
C.L.C.S.	CEMENT LINED & COATED STEEL PIPE	B.S.	BLACK STEEL PIPE

NOTES

1. Unless otherwise shown, all water lines shall have 36" of cover.
2. The location of existing lines is approximate.
3. Black Steel Pipe (B.S.), Welded Steel Pipe (W.S.), Ductile Cast Iron Pipe (D.C.I.) and Cement Lined and Coated Steel Pipe (C.L.C.S.) may be used interchangeably.
4. Contractor shall refer to all related drawings and to the manufacturers' shop drawings for complete details of a given equipment item.

PIPE FITTINGS

	GATE OR GLOBE VALVE
	CHECK VALVE
	SOLENOID VALVE
	PRESSURE REGULATING VALVE
	PLUG VALVE
	ANGLE VALVE
	UNION
	REDUCER
	STRAINER
	PRESSURE OR VACUUM GAUGE
	HOSE BIBB
	FIRE HYDRANT
	BUTTERFLY VALVE



VICINITY MAP

NO SCALE

INDEX TO SHEETS

- | | |
|--|--|
| 1. TITLE AND LOCATION MAP | 7. BIG TREES PUMPING STATION SITE PLAN |
| 2. INDEX, GENERAL NOTES, VICINITY MAP AND ABBREVIATIONS. | 8. BIG TREES PUMPING STATION MECHANICAL PLAN, SECTIONS & DETAIL |
| 3. 3,000,000 GALLON TANK SITE PLAN | 9. BIG TREES PUMPING STATION ARCHITECTURAL & STRUCTURAL |
| 4. 3,000,000 GALLON TANK SECTION & DETAILS | 10. BIG TREES PUMPING STATION ARCHITECTURAL & STRUCTURAL DETAILS |
| 5. 3,000,000 GALLON TANK SECTION & DETAILS | 11. BIG TREES PUMPING STATION ELECTRICAL |
| 6. 3,000,000 GALLON TANK EXISTING REDWOOD TANKS | 12. TELEMETRY FACILITIES |



EDA PROJECT NR 07-01-01862

CALAVERAS COUNTY WATER DISTRICT
EBBETTS PASS STORAGE FACILITY
INDEX, GENERAL NOTES
VICINITY MAP AND
ABBREVIATIONS

DEWANTE AND STOWELL
SANITARY AND CIVIL ENGINEERS — SACRAMENTO, CALIF.

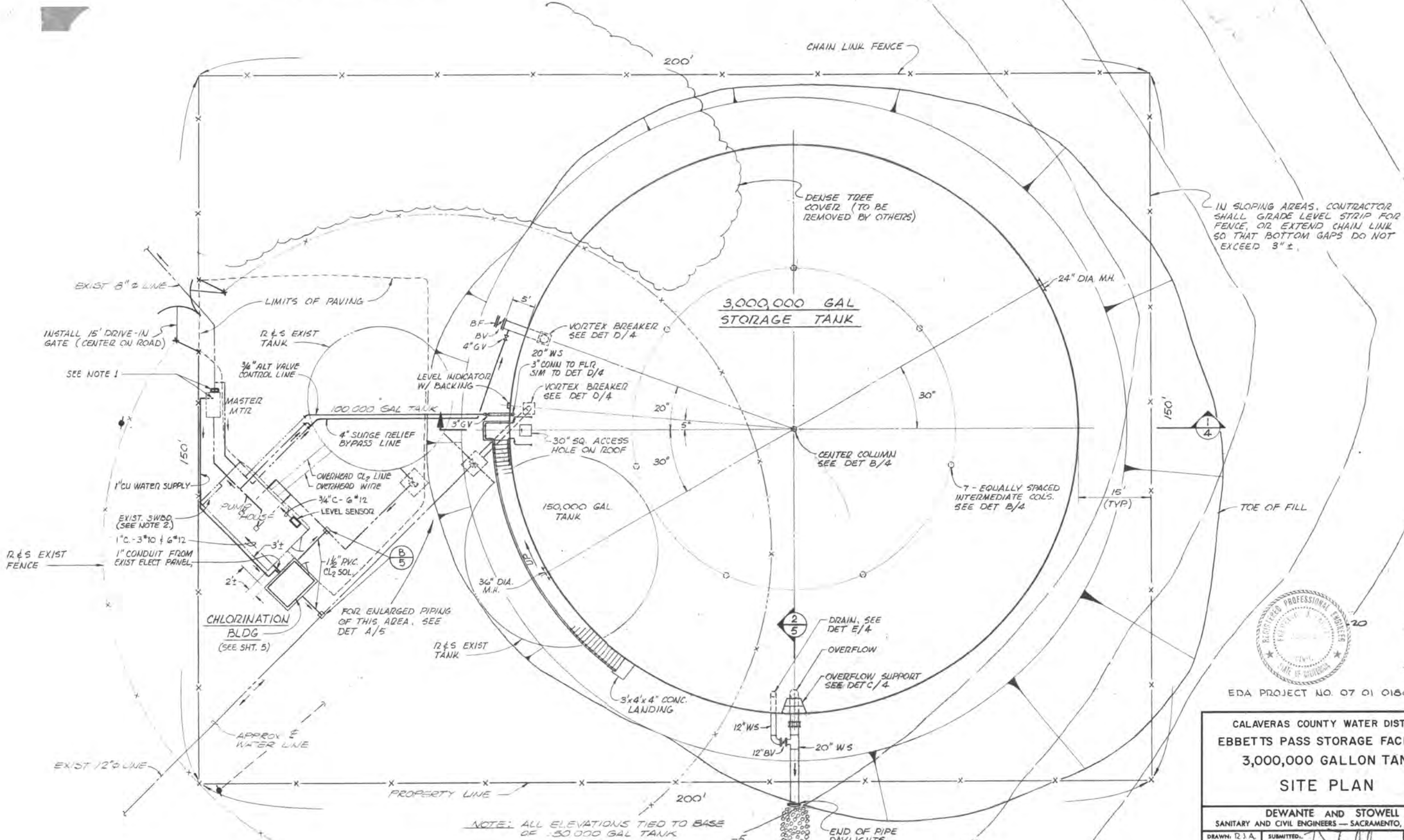
DRAWN: C.C.C. SUBMITTED: *[Signature]*
CHECKED: E.J.E.



SCALE: 1" = 10'

NOTES:

1. INSTALL 12" x 20" METER BOX OVER EXPOSED 2" LINE. CONNECT 1" WATER SUPPLY LINE WITH GATE VALVE TO EXIST. 2" G.S. LINE BELOW EXIST. AIR RELIEF VALVE INSIDE METER VAULT.
2. REPLACE EXIST. STATION POWER TRANSFORMER AND PANEL INSIDE PUMP HOUSE AS DESCRIBED IN PARAGRAPH 6.29(c) OF SPECS.
3. TREES, BUT NOT STUMPS, WILL BE REMOVED BY OTHERS PRIOR TO CONSTRUCTION.



IN SLOPING AREAS, CONTRACTOR SHALL GRADE LEVEL STRIP FOR FENCE, OR EXTEND CHAIN LINK SO THAT BOTTOM GAPS DO NOT EXCEED 3" ±.

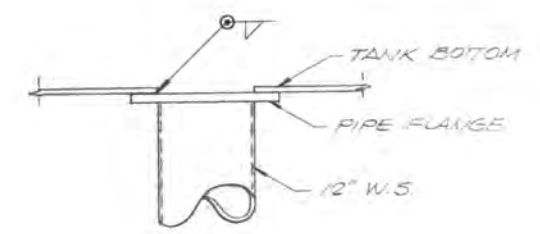
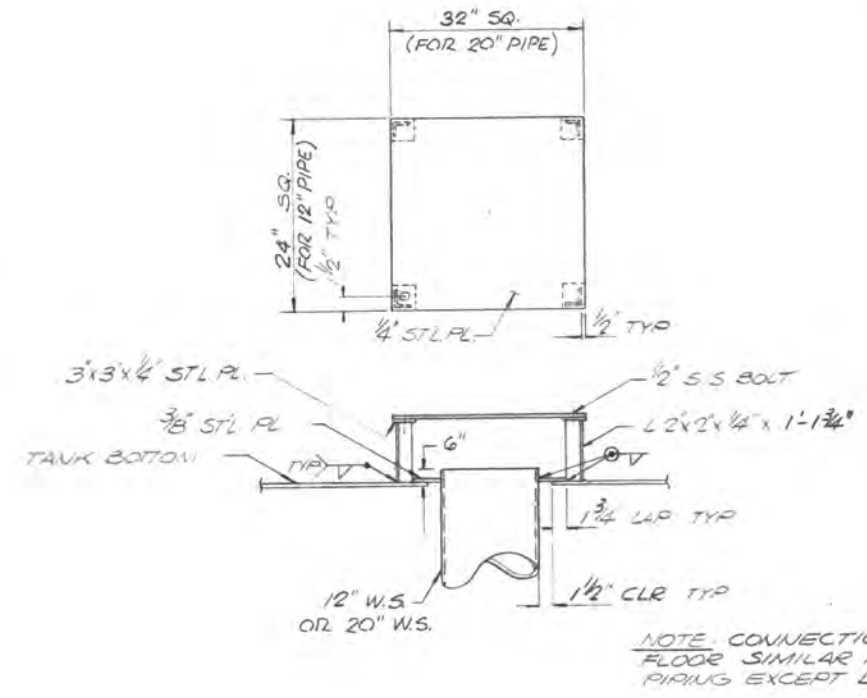
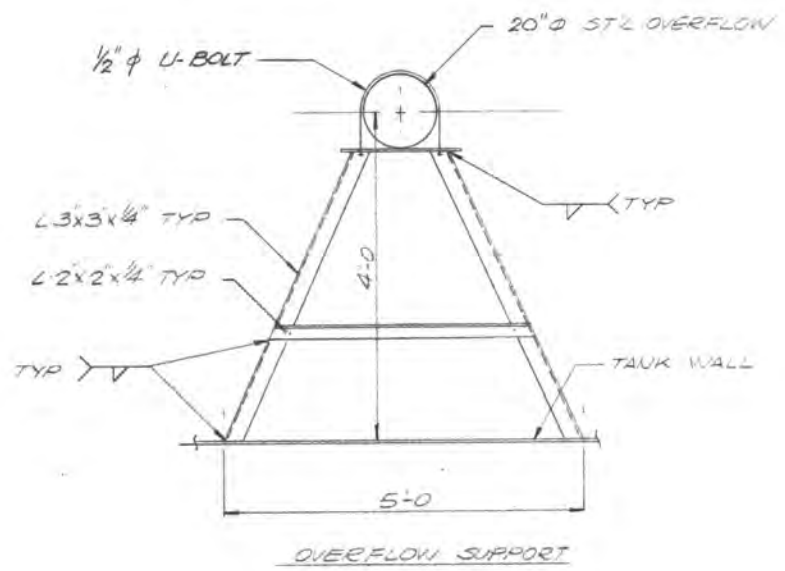
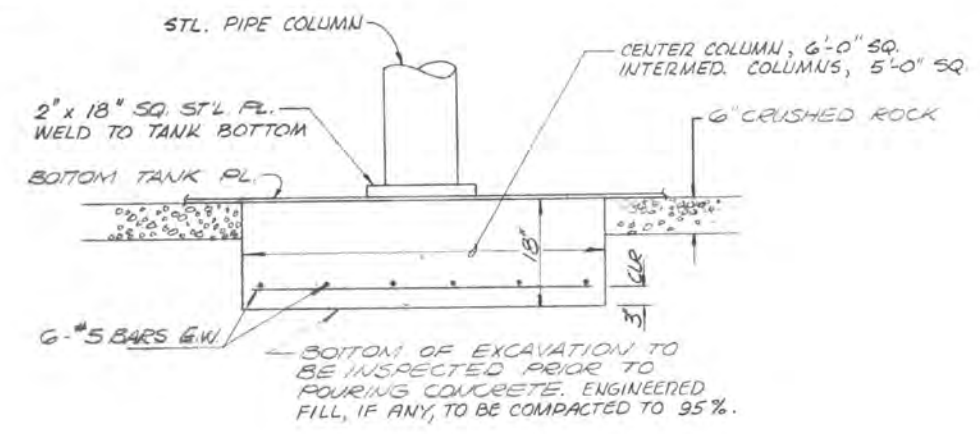
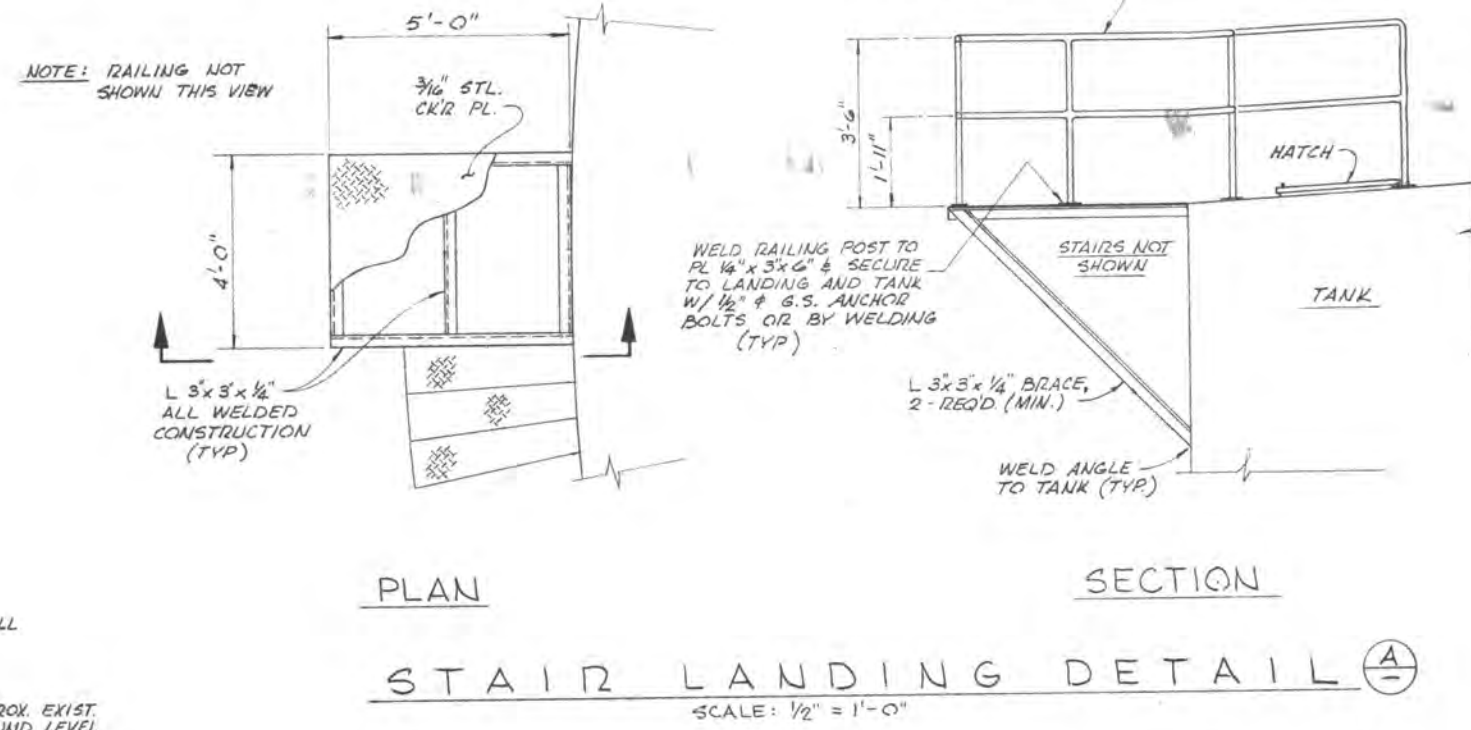
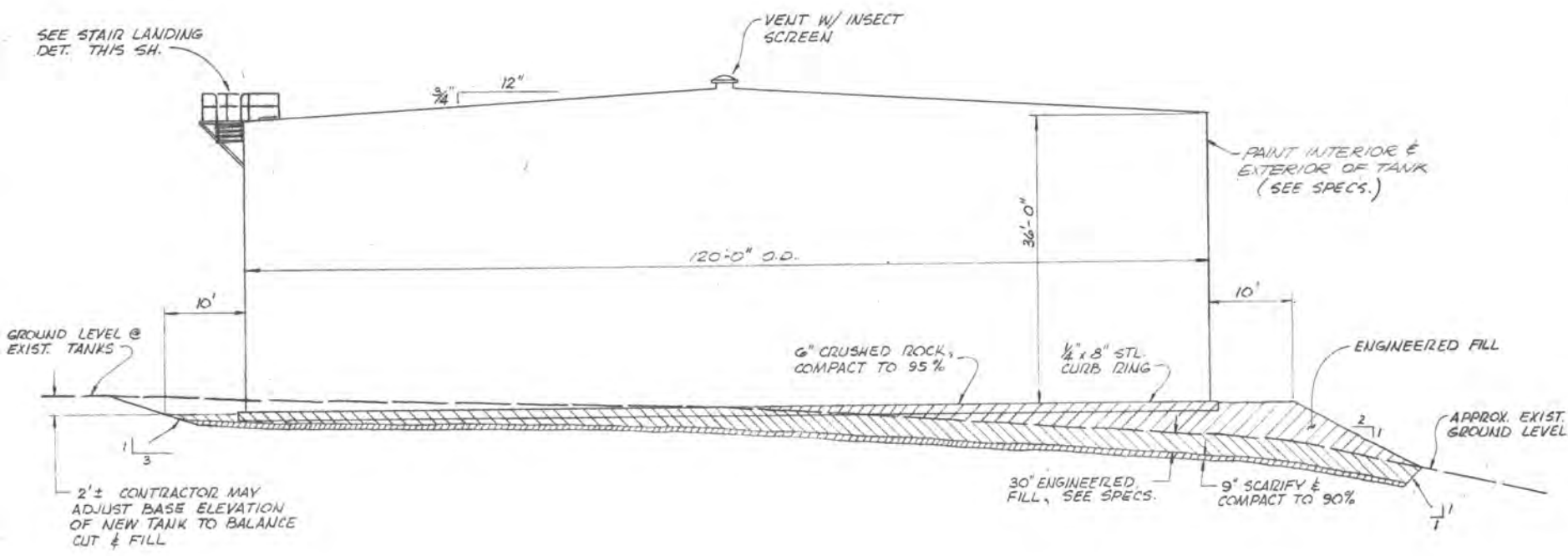


EDA PROJECT NO. 07 01 0186

CALAVERAS COUNTY WATER DISTRICT
 EBBETTS PASS STORAGE FACILITY
 3,000,000 GALLON TANK
 SITE PLAN

DEWANTE AND STOWELL
 SANITARY AND CIVIL ENGINEERS - SACRAMENTO, CA
 DRAWN: D.J.A. SUBMITTED: [Signature]

NOTE: ALL ELEVATIONS TIED TO BASE OF 50,000 GAL TANK



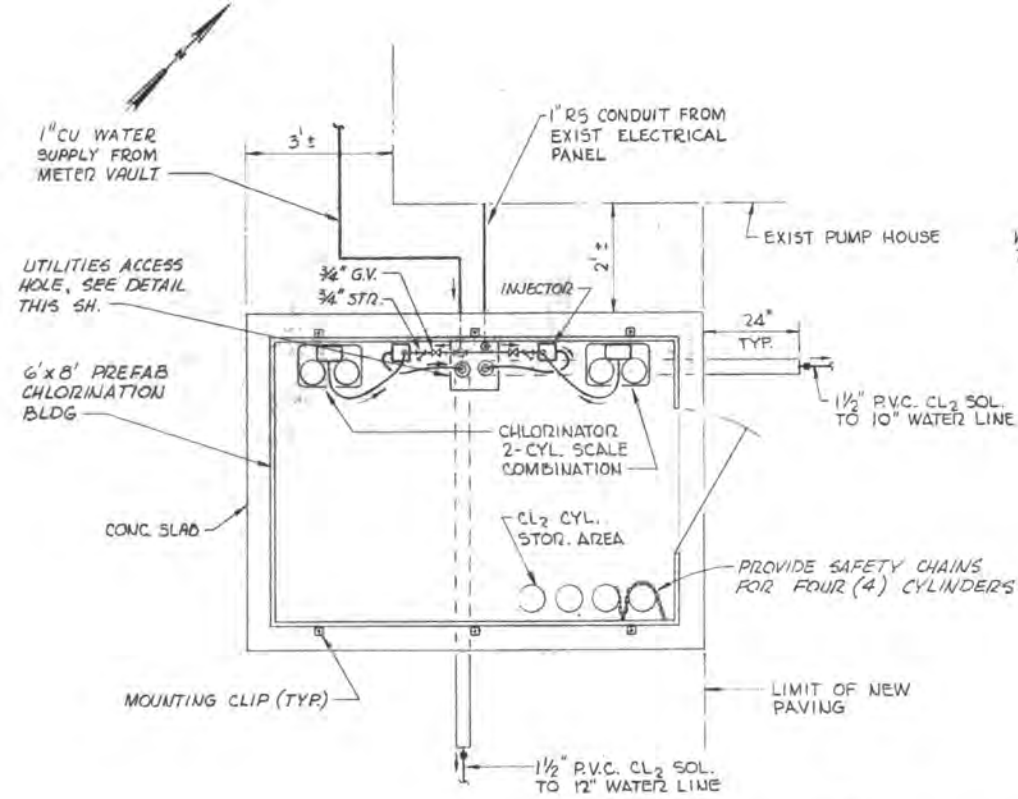
EDA PROJECT NO. 07 01 01862

CALAVERAS COUNTY WATER DISTRICT
EBBETTS PASS STORAGE FACILITIES
3,000,000 GALLON TANK
SECTION AND DETAILS

DEWANTE AND STOWELL
SANITARY AND CIVIL ENGINEERS - SACRAMENTO, CALIFORNIA

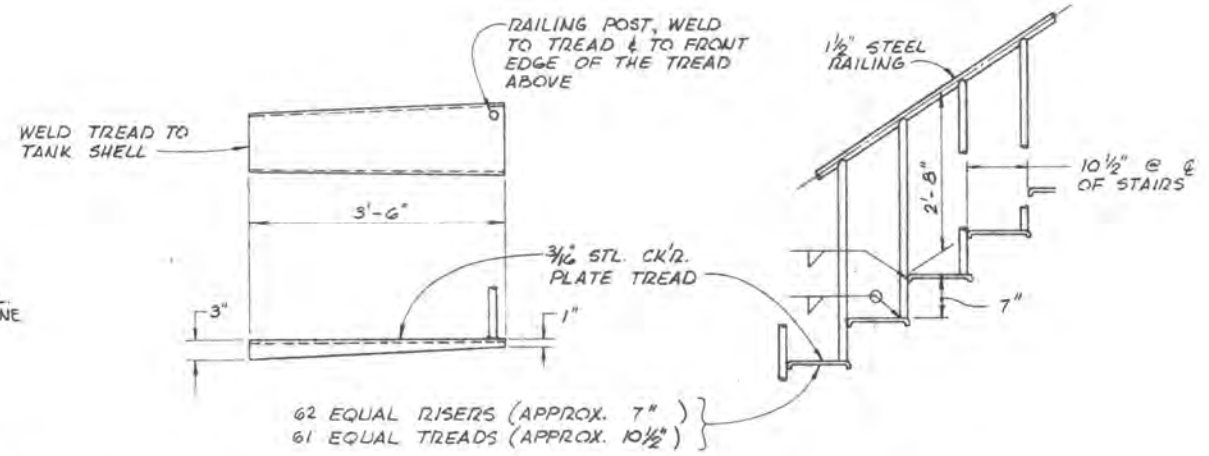
DRAWN: D.J.A. CHECKED: E.L.F. SUBMITTED: FS Fullen

SHEET

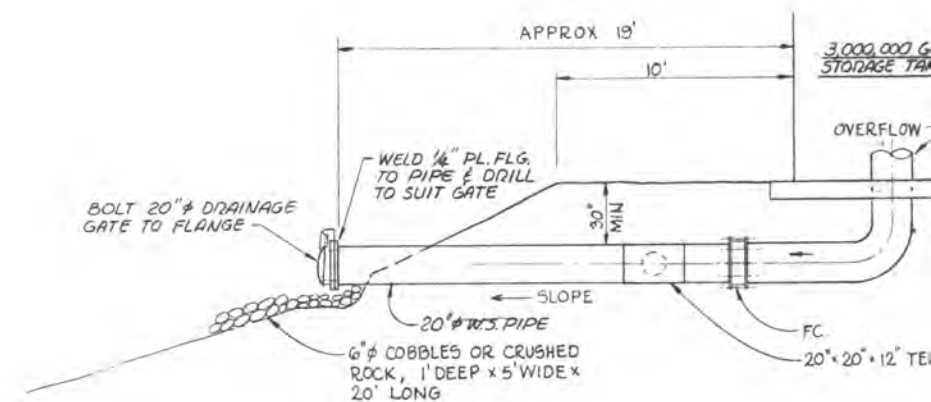


PLAN

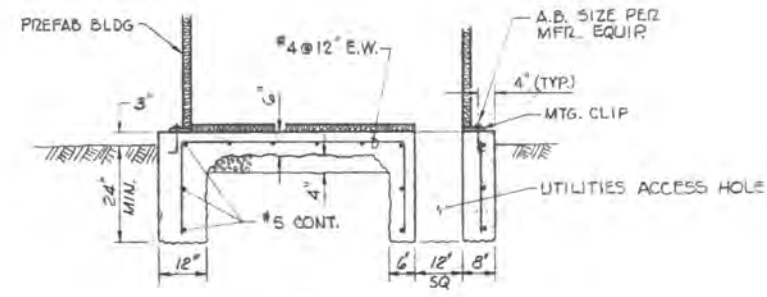
NOTE: PROVIDE SELF CONTAINED BREATHING APPARATUS WITH CHLORINATION FACILITIES, AIR TANK TO HAVE 30 MINUTE SUPPLY. W & T 457153 OR EQUAL.



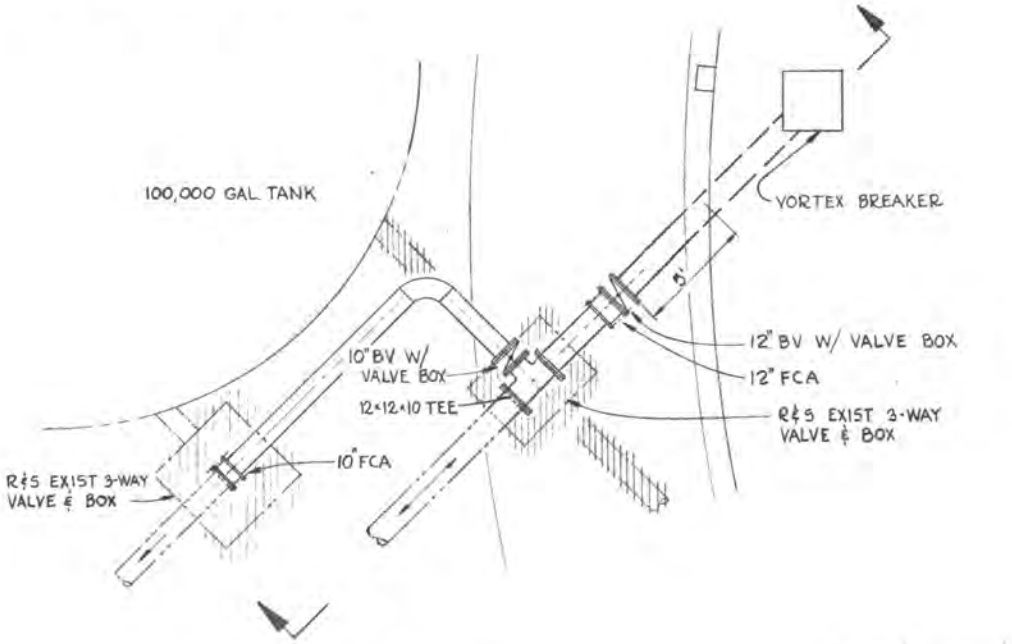
METAL STAIR DETAILS
 N.T.S.



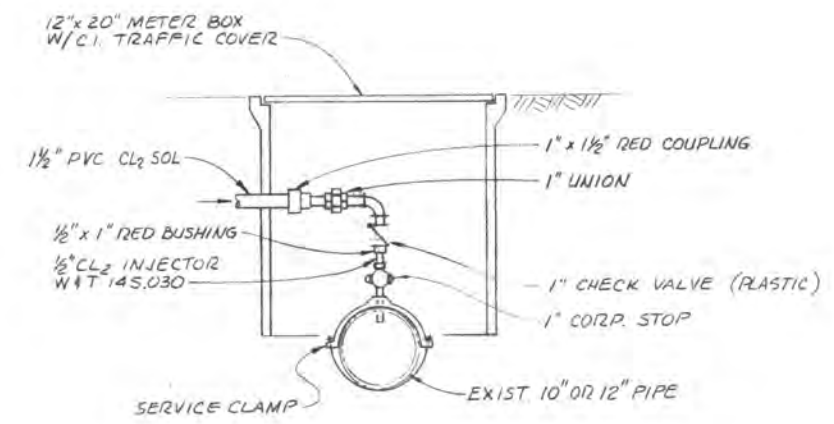
SECTION 2/3
 SCALE: 1/4" = 1'-0"



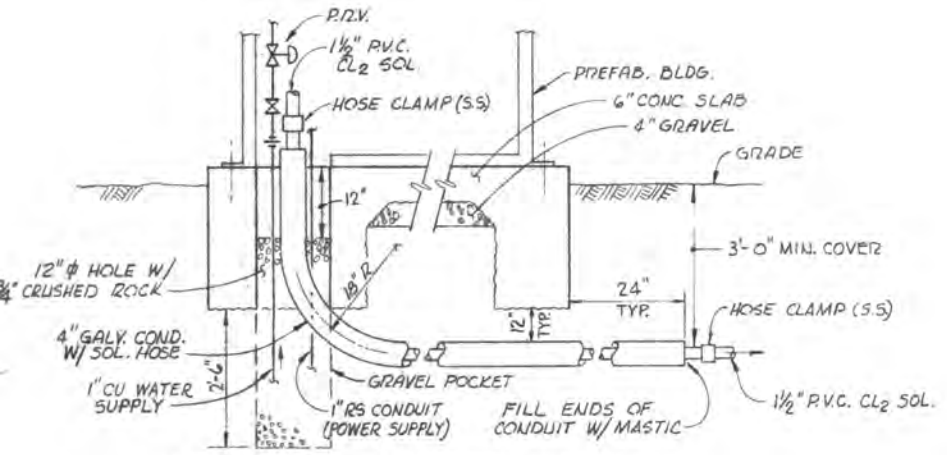
SECTION



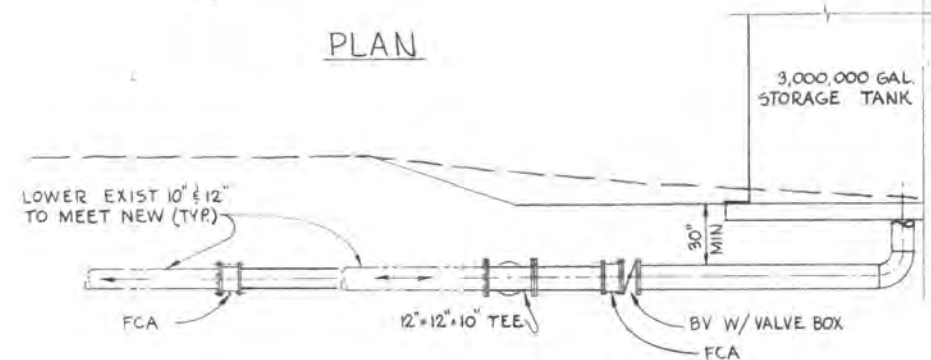
PLAN



CL₂ INJECTOR B/3
 N.T.S.



UTILITIES ACCESS HOLE



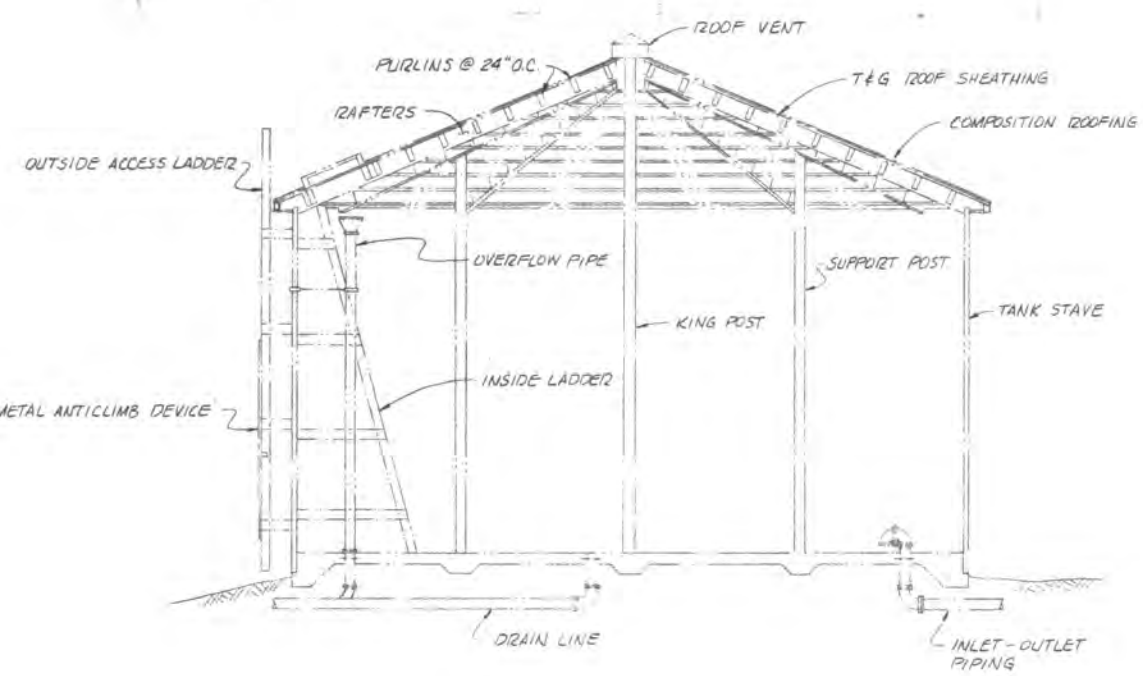
SECTION

PIPE DETAIL A

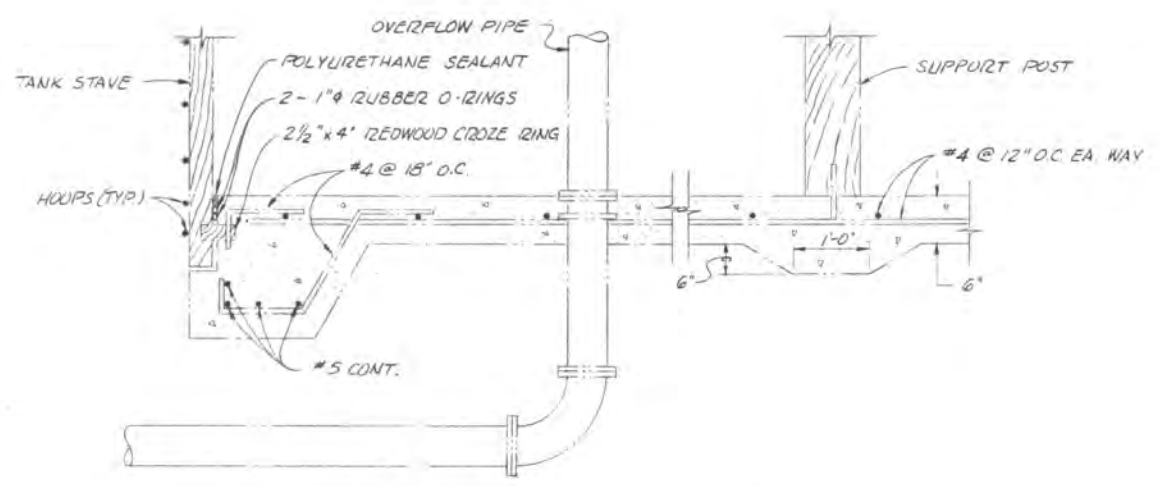
CHLORINATION BLDG. DETAIL



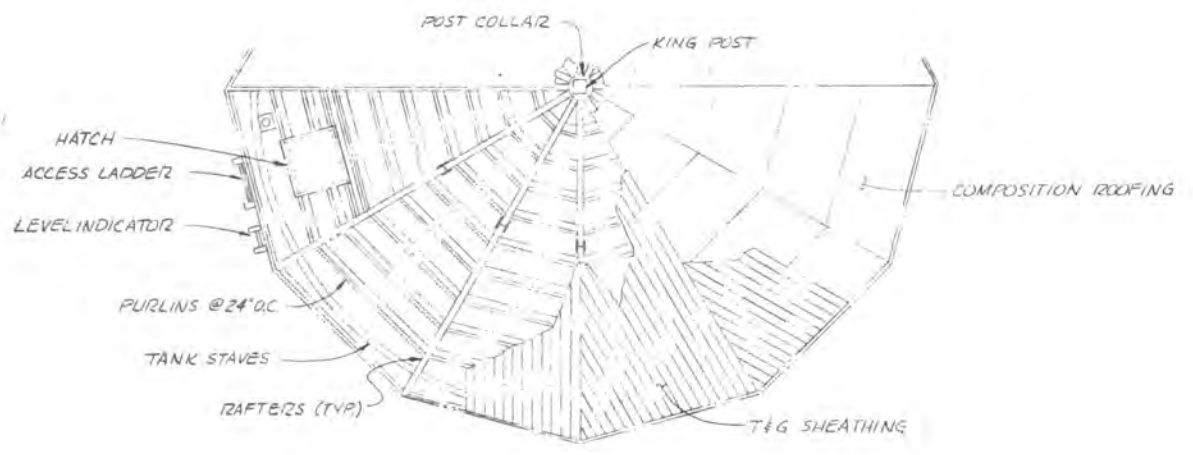
EDA PROJECT NO. 07 01 01862
 CALAVERAS COUNTY WATER DISTRICT
 EBETTS PASS STORAGE FACILITIES
 3,000,000 GALLON TANK
 SECTIONS & DETAILS
 DEWANTE AND STOWELL
 SANITARY AND CIVIL ENGINEERS - SACRAMENTO, CALIFORNIA
 DRAWN: R.J.A. SUBMITTED: 7/27/01 SHEET



TANK SECTION
N.T.S.



FOUNDATION DETAIL
N.T.S.



HIP CONE ROOF
STRUCTURE
N.T.S.

NOTES:

1. THE DETAILS SHOWN ON THIS SHEET ARE NOT A GUARANTEE OF THE CONDITIONS TO BE ENCOUNTERED, BUT RATHER A GENERAL INDICATION OF THE WORK REQUIRED TO REMOVE AND SALVAGE THE TWO EXISTING TANKS.
2. THE 150,000 GALLON TANK WILL BE REMOVED FIRST. THE 100,000 GALLON TANK WILL NOT BE REMOVED UNTIL THE 3,000,000 GALLON STEEL TANK HAS BEEN TESTED.
3. THE CONTRACTOR SHOULD MAKE NO EFFORT TO SAVE SUCH ITEMS AS THE CONCRETE FOUNDATIONS OR COMPOSITION ROOFING. ANY WOOD THAT HAS OBVIOUSLY DETERIORATED, NEED NOT BE SAVED. ITEMS NOT TO BE SAVED WILL BECOME THE PROPERTY OF THE CONTRACTOR, AND SHALL BE DISPOSED OF OFF THE SITE IN AN APPROVED LOCATION AT THE CONTRACTOR'S EXPENSE.
4. ITEMS TO BE SAVED INCLUDE T&G ROOF SHEATHING, PURLINS, RAFTERS, KING AND SUPPORT POSTS, STAVES, INSIDE AND OUTSIDE LADDERS, HOOPS, AND PIPING. THESE ITEMS SHALL BE DISASSEMBLED BY SKILLED WORKMEN USING REASONABLE CARE, AND TRANSPORTED TO THE DISTRICT BARN ADJACENT TO WHITE PINES LAKE FOR STORAGE.
5. WORK MUST BE COORDINATED WITH THE DISTRICT SO THAT PHOTOGRAPHS MAY BE TAKEN OF BOTH TANKS DURING DISASSEMBLY FOR USE IN FUTURE ERECTION.

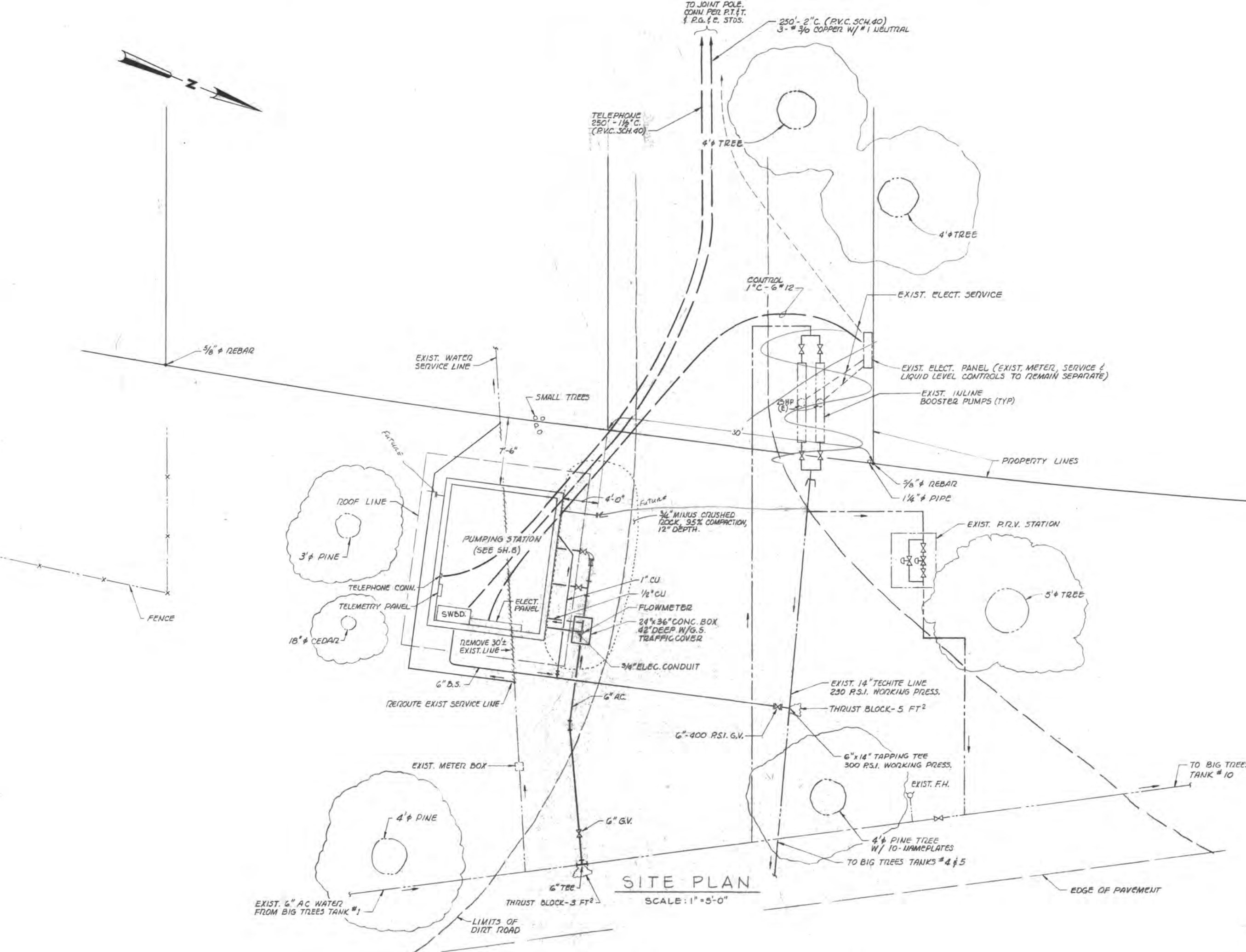


EDA PROJECT NO. 07 01 01862

CALAVERAS COUNTY WATER DISTRICT
EBBETTS PASS STORAGE FACILITIES
3,000,000 GALLON TANK
EXISTING REDWOOD TANKS

DEWANTE AND STOWELL
SANITARY AND CIVIL ENGINEERS — SACRAMENTO, CALIFORNIA

DRAWN: RES. SUBMITTED: [Signature] SHEET



SITE PLAN
SCALE: 1" = 5'-0"



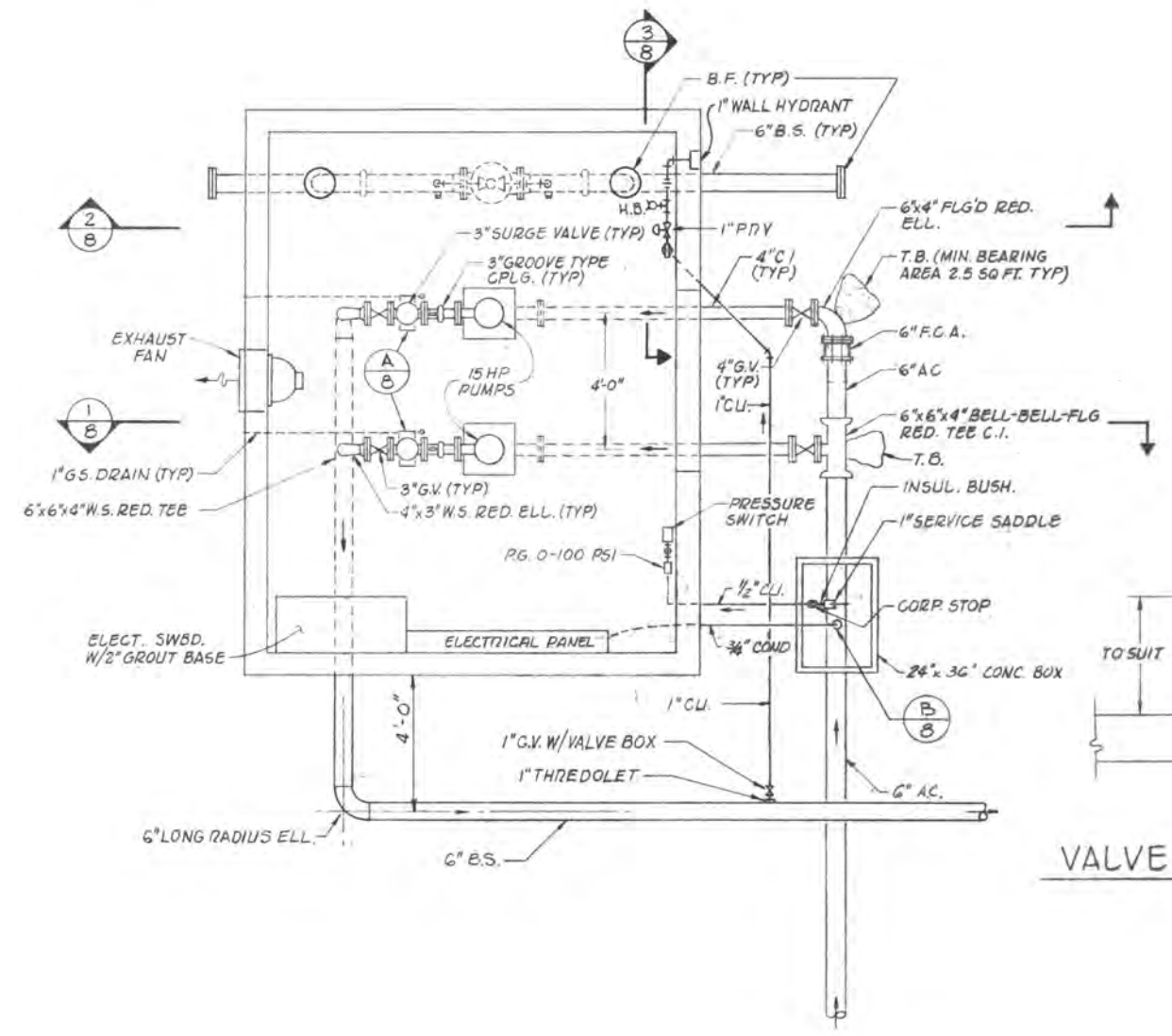
EDA PROJECT NO 07 01 01862

CALAVERAS COUNTY WATER DISTRICT
EBBETTS PASS STORAGE FACILITIES
BIG TREES PUMPING STATION

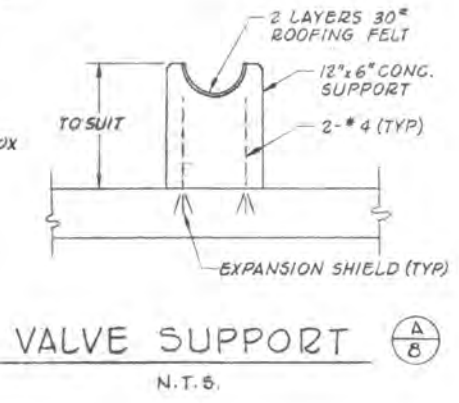
SITE PLAN

DEWANTE AND STOWELL
SANITARY AND CIVIL ENGINEERS - SACRAMENTO, CALIFORNIA

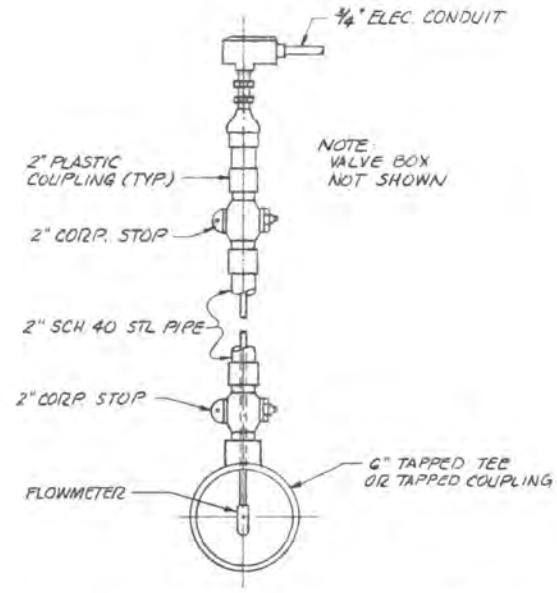
DRAWN: E. R. Z. SUBMITTED: [Signature]



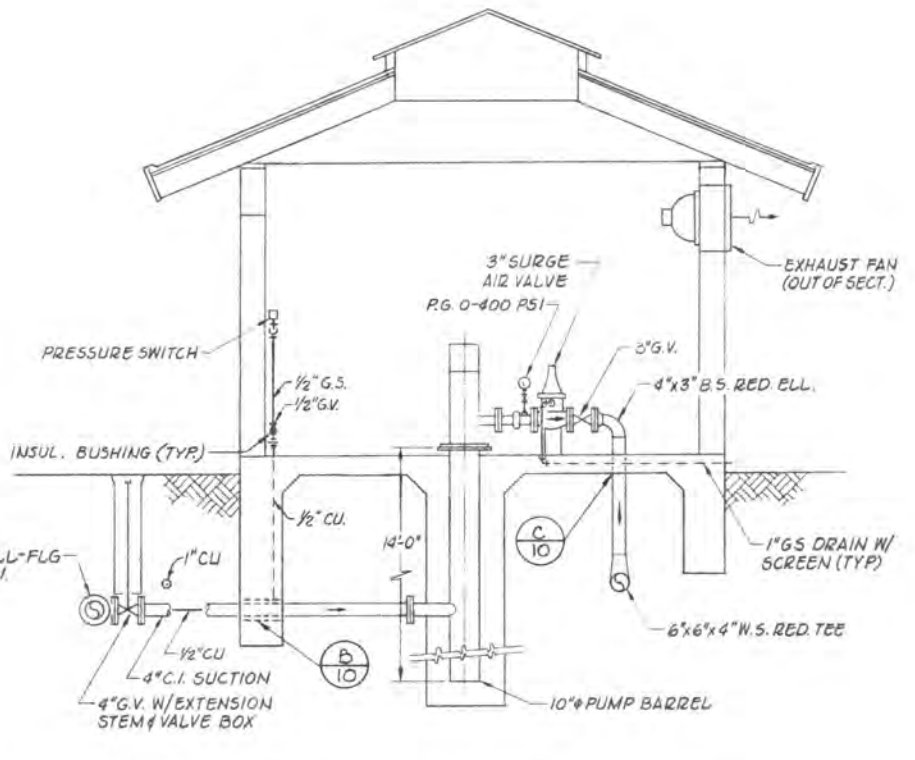
PLAN
SCALE: 3/8" = 1'-0"



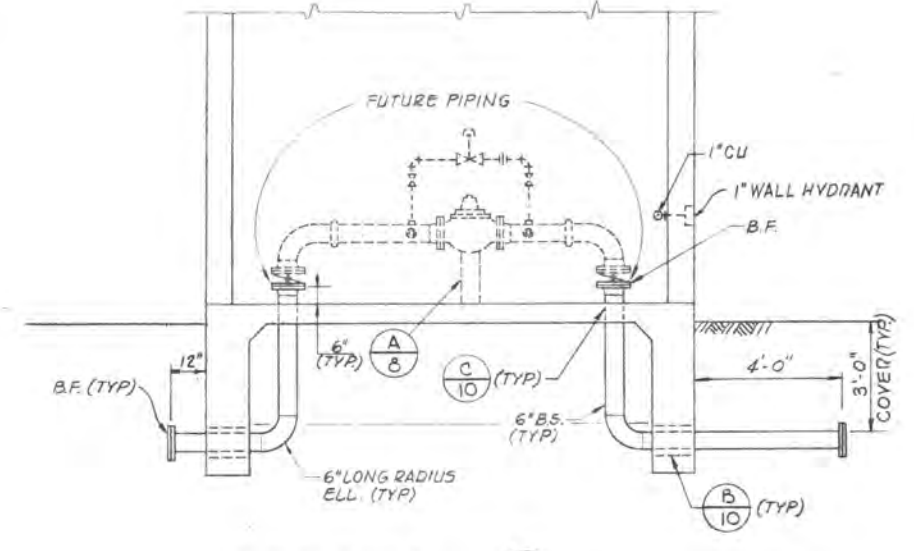
VALVE SUPPORT (A/B)
N.T.S.



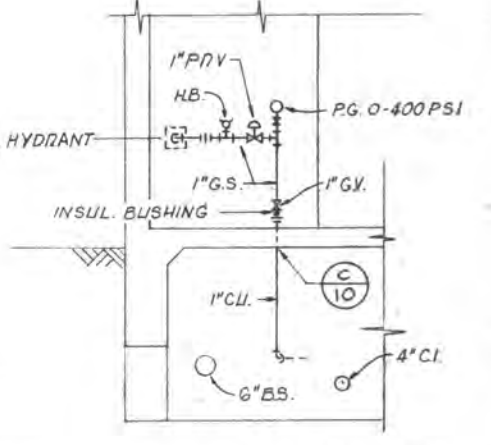
FLOWMETER DETAIL (B/B)
N.T.S.



SECTION 1/8
SCALE: 3/8" = 1'-0"



SECTION 2/8
SCALE: 3/8" = 1'-0"



SECTION 3/8
SCALE: 3/8" = 1'-0"

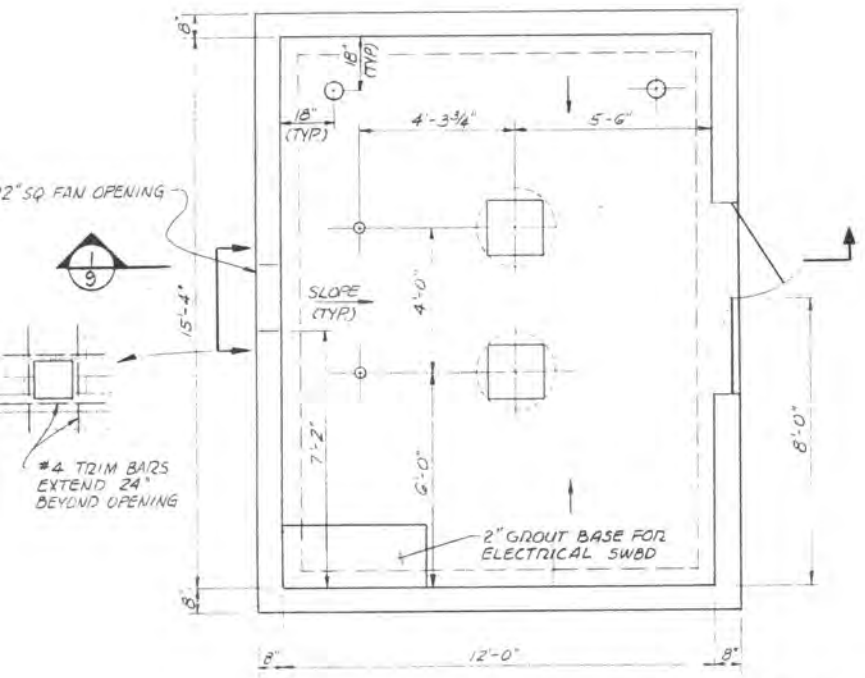
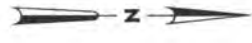


EDA PROJECT NO 07 01 01862

CALAVERAS COUNTY WATER DISTRICT
EBBETTS PASS STORAGE FACILITIES
BIG TREES PUMPING STATION
**MECHANICAL PLAN,
SECTIONS & DETAIL**

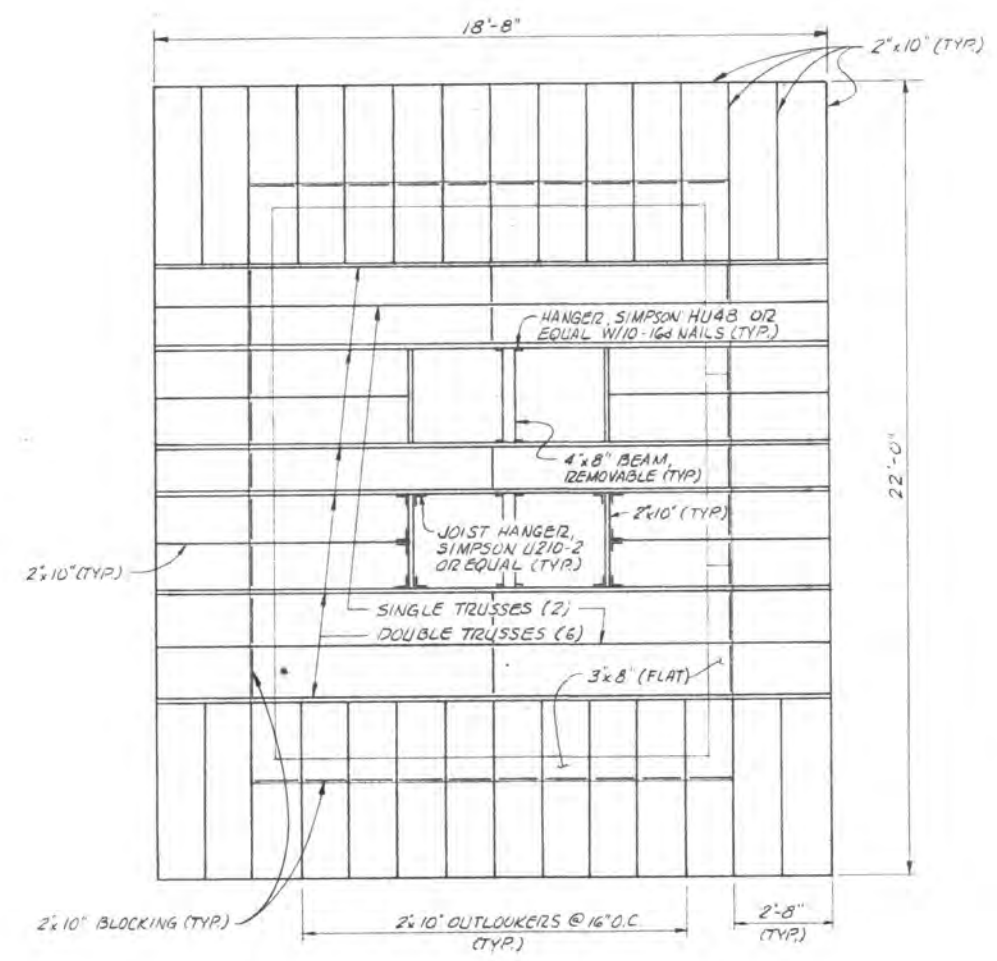
DEWANTE AND STOWELL
SANITARY AND CIVIL ENGINEERS - SACRAMENTO, CALIFORNIA

DRAWN: R.R.R. SUBMITTED: SHEET: 1/1

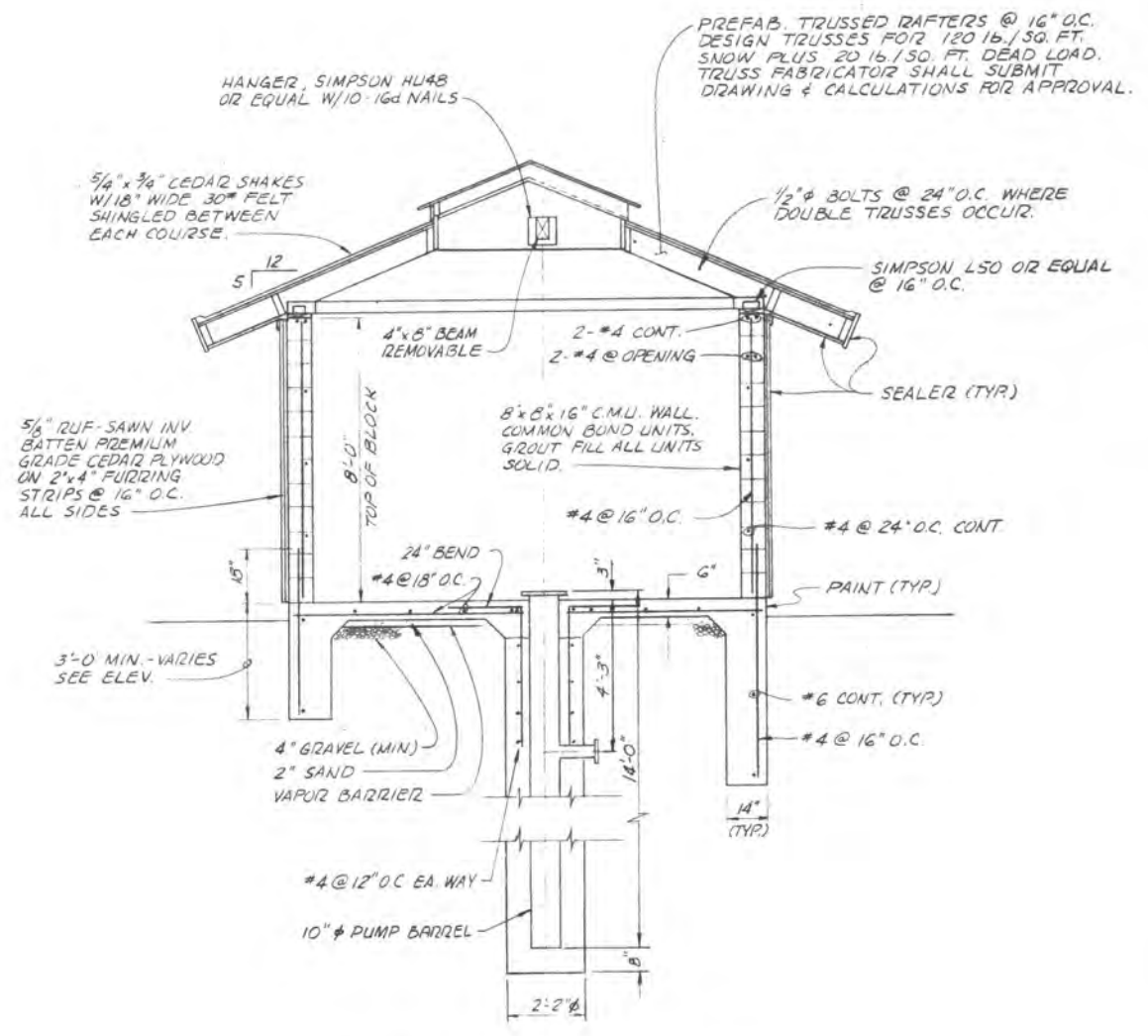


NOTE: FLOOR MUST SLOPE TO DOOR OPENING FOR DRAINAGE

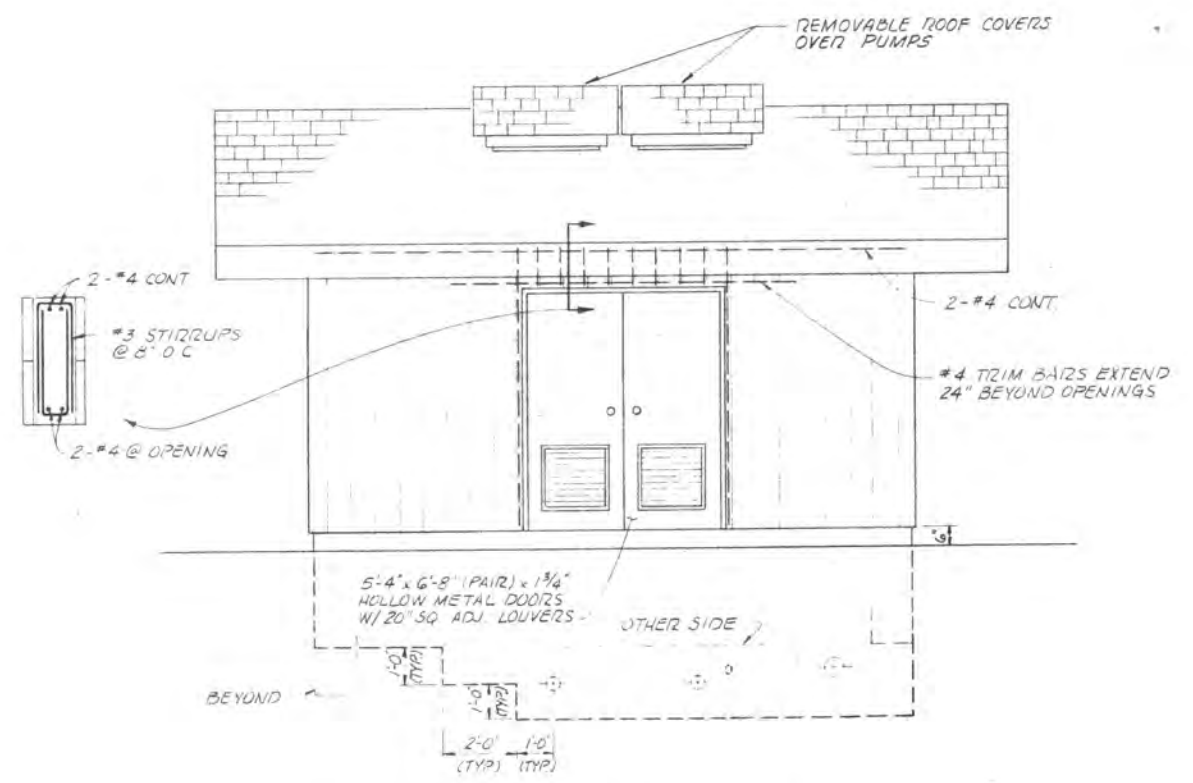
FLOOR PLAN
SCALE: 3/8" = 1'-0"



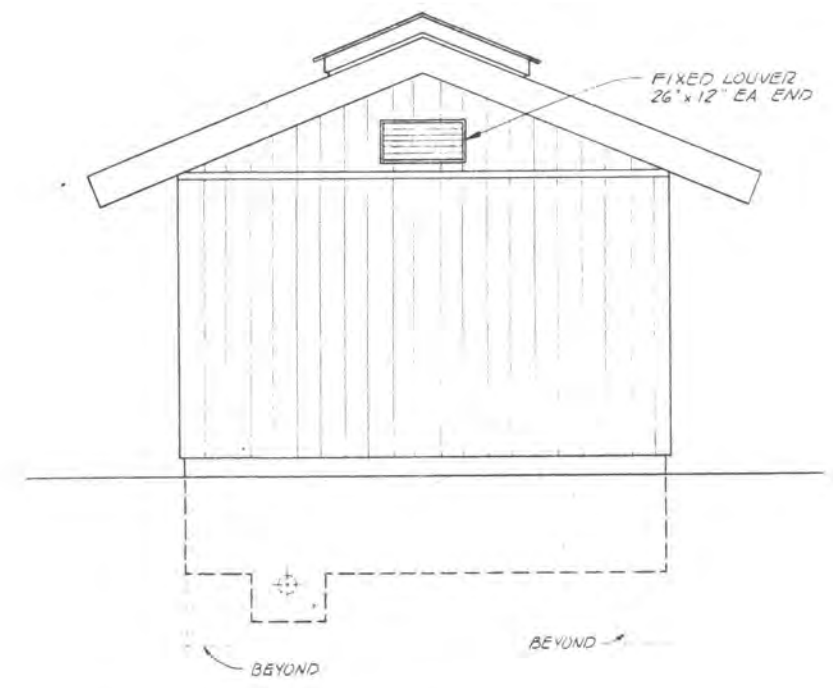
ROOF DETAIL
SCALE: 3/8" = 1'-0"



SECTION
SCALE: 3/8" = 1'-0"



NORTH ELEVATION
SCALE: 3/8" = 1'-0"



EAST ELEVATION
SCALE: 3/8" = 1'-0"



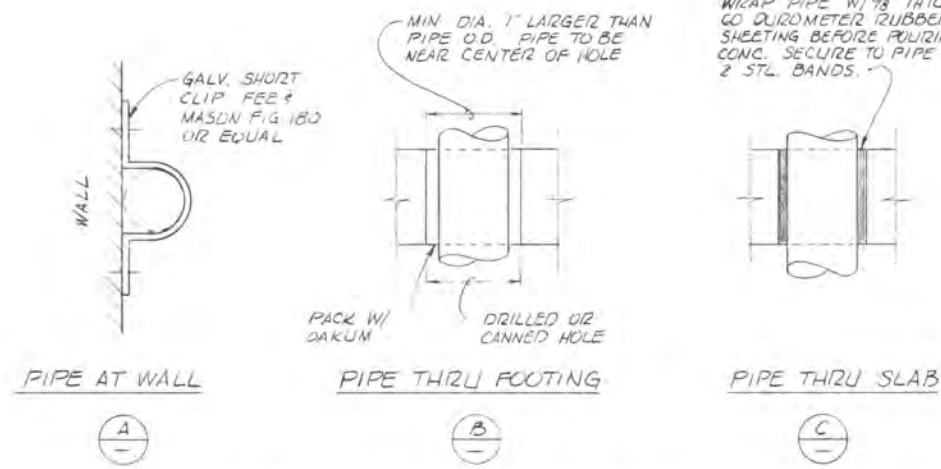
EDA PROJECT NO. 07 01 01862

CALAVERAS COUNTY WATER DISTRICT
EBBETTS PASS STORAGE FACILITIES
BIG TREES PUMPING STATION

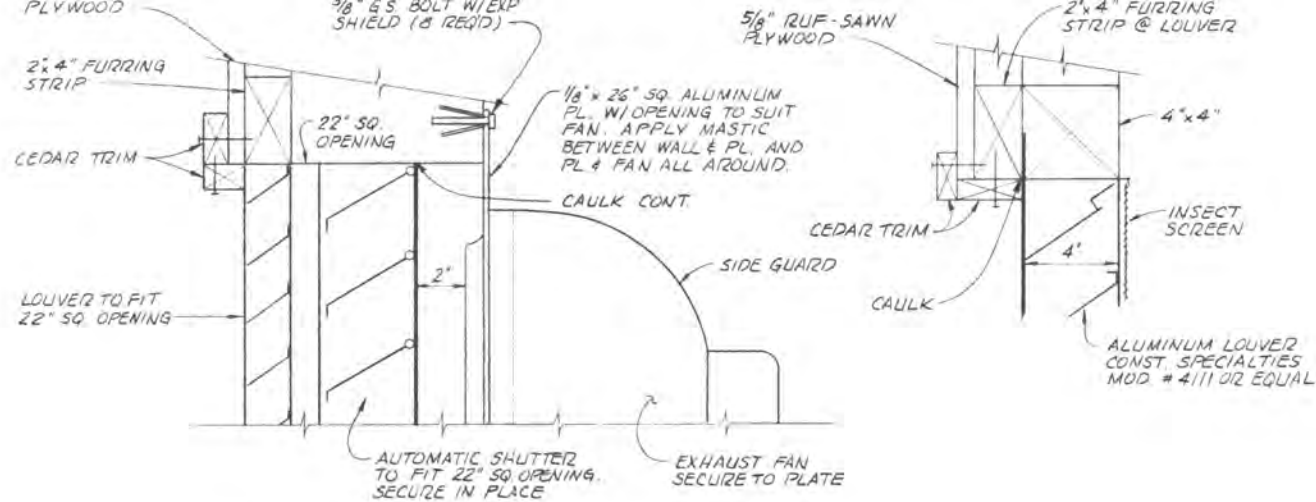
ARCHITECTURAL & STRUCTURAL

DEWANTE AND STOWELL
SANITARY AND CIVIL ENGINEERS — SACRAMENTO, CALIFORNIA

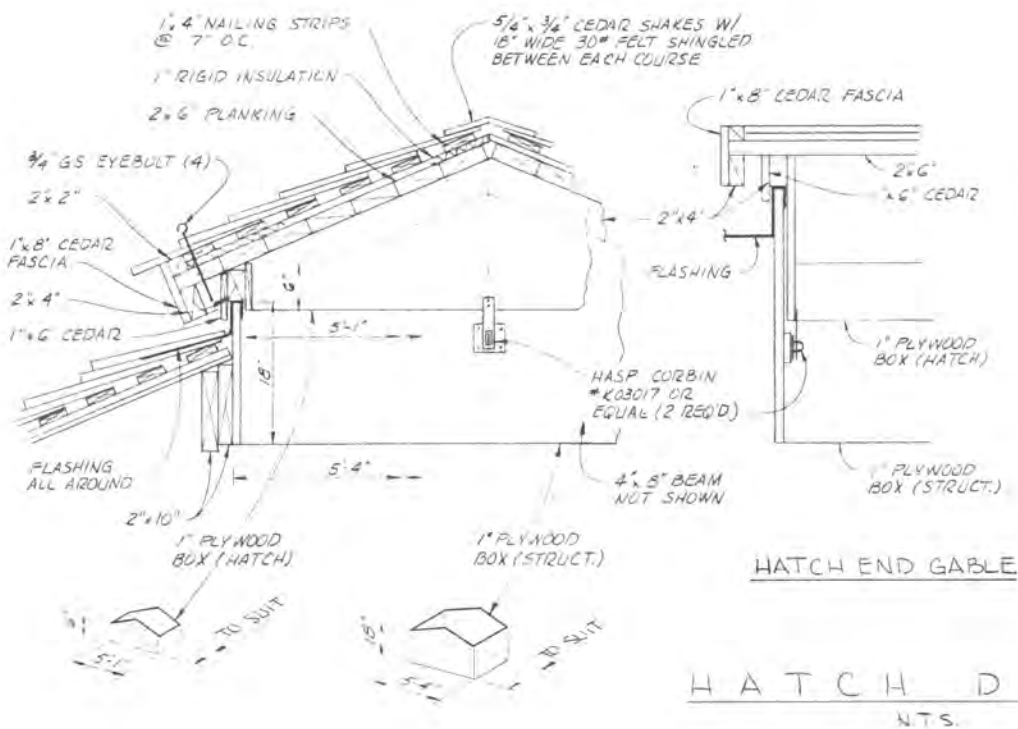
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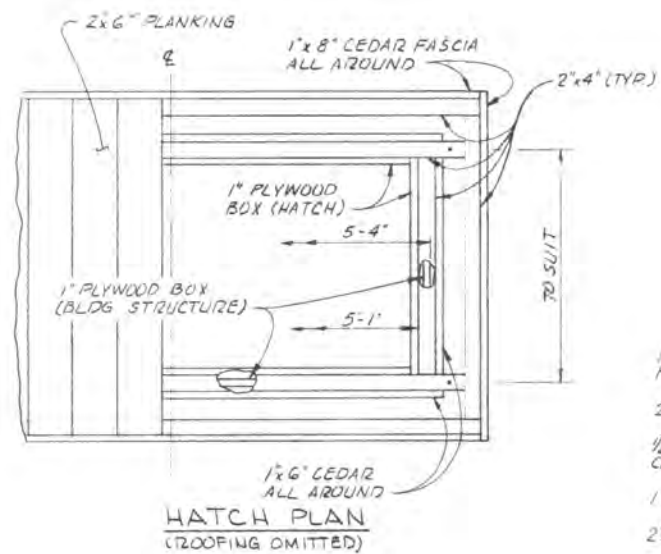
PIPING DETAILS
N.T.S.



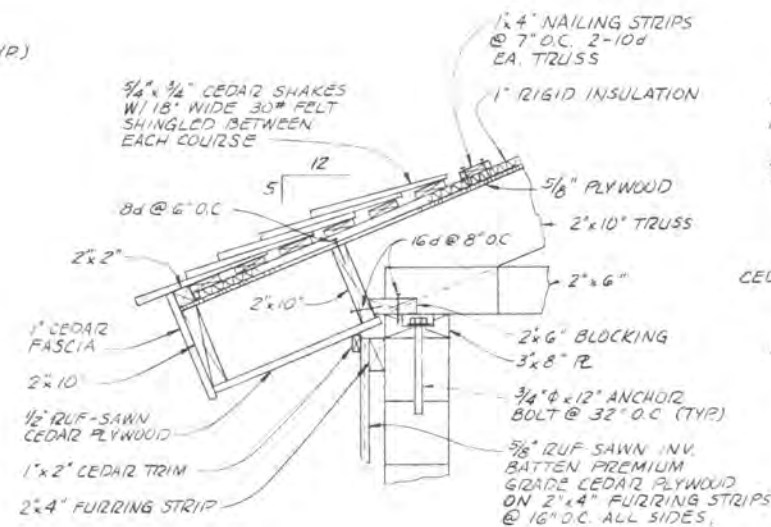
FAN & LOUVER DETAILS
N.T.S.



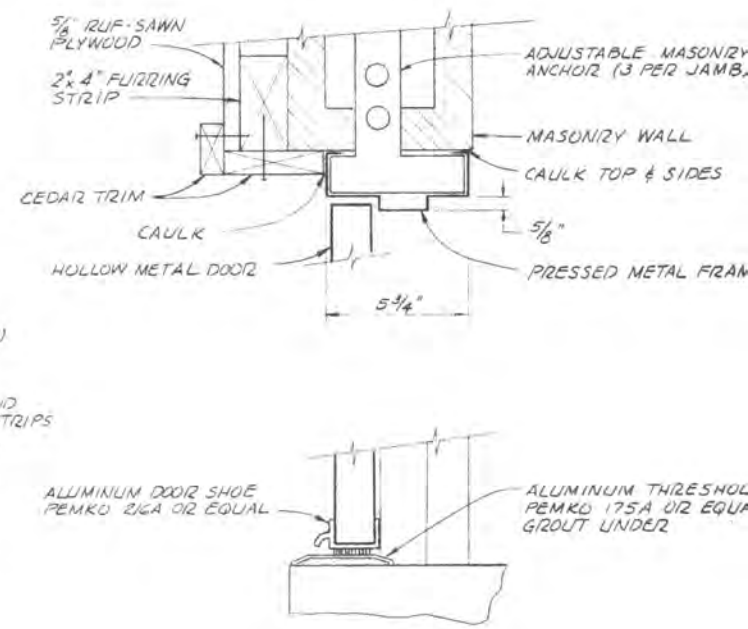
HATCH END GABLE
N.T.S.



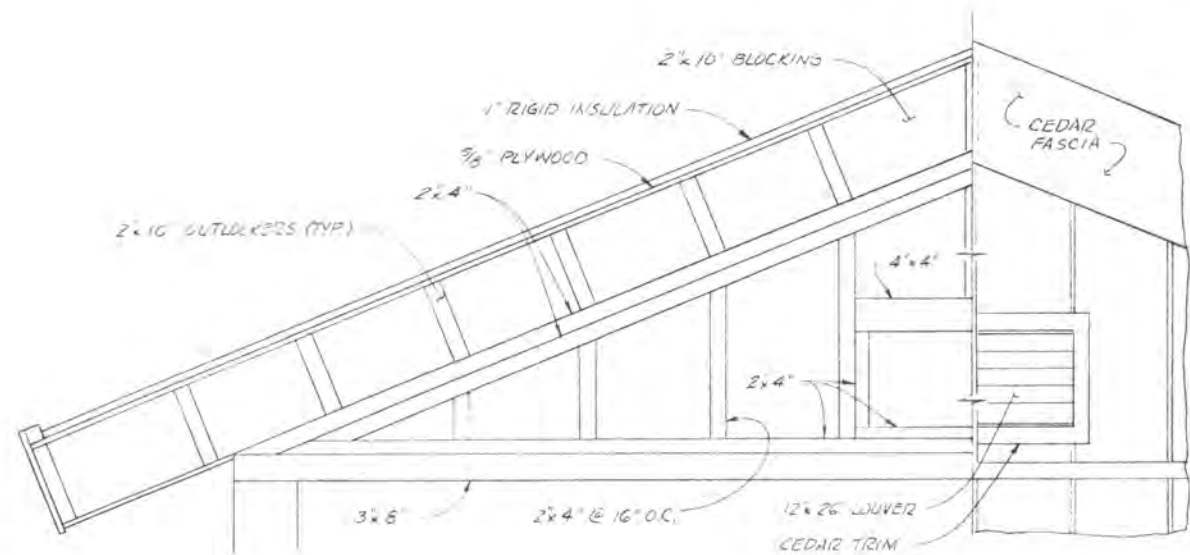
HATCH PLAN
(ROOFING OMITTED)



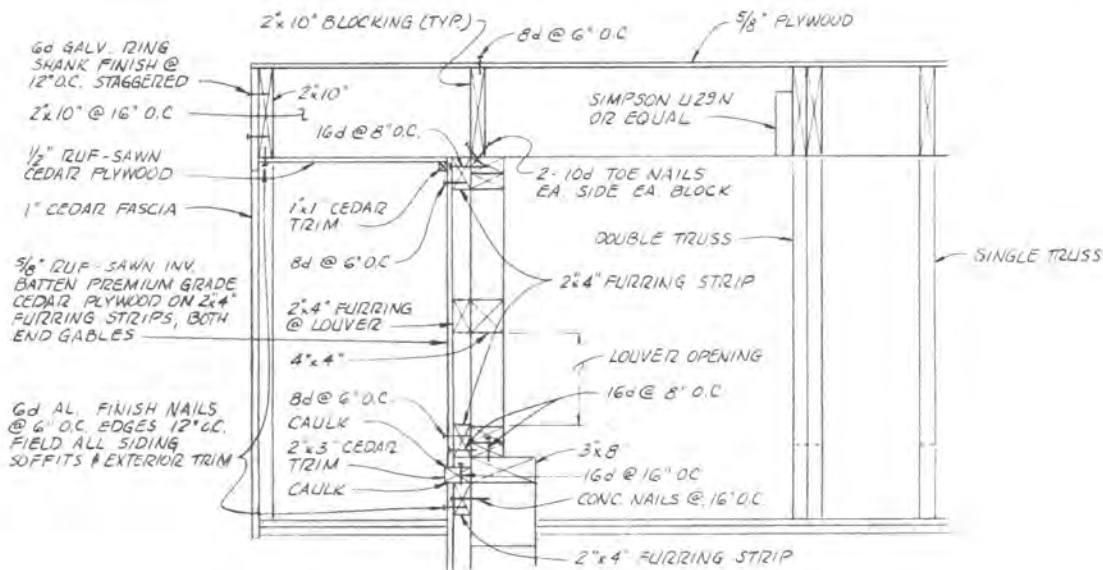
ROOFING & SIDING DETAIL
N.T.S.



DOOR DETAIL
N.T.S.



END GABLE DETAIL
N.T.S.



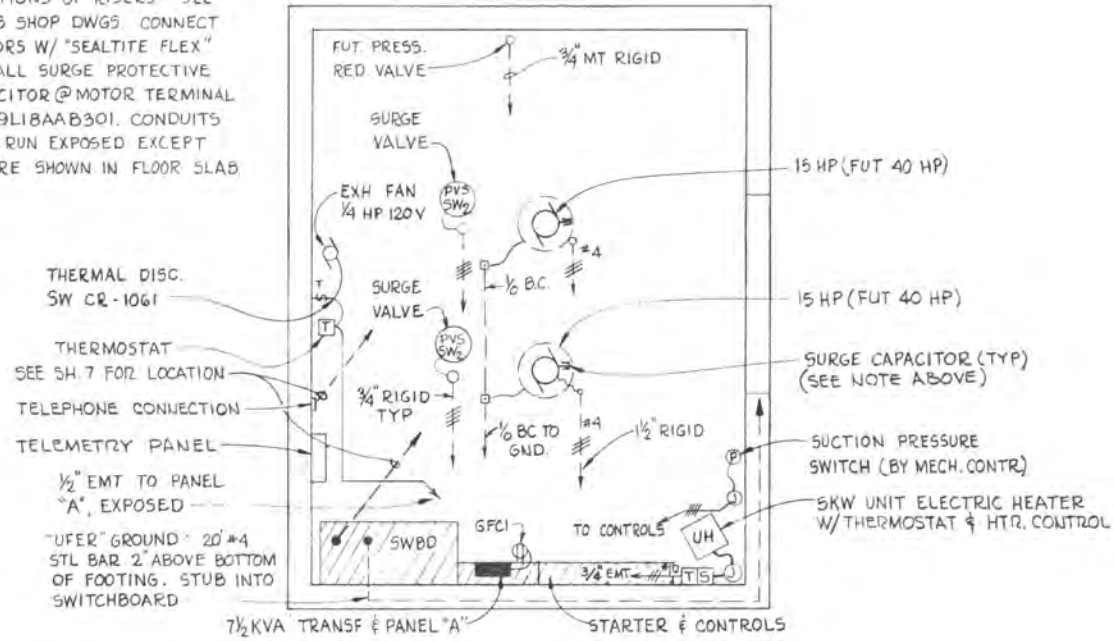
EDA PROJECT NO. 07 01 01

CALAVERAS COUNTY WATER DISTRICT
EBBETTS PASS STORAGE FACILITY
BIG TREES PUMPING STATION
ARCHITECTURAL AND STRUCTURAL DETAILS

DEWANTE AND STOWELL
SANITARY AND CIVIL ENGINEERS - SACRAMENTO, CA

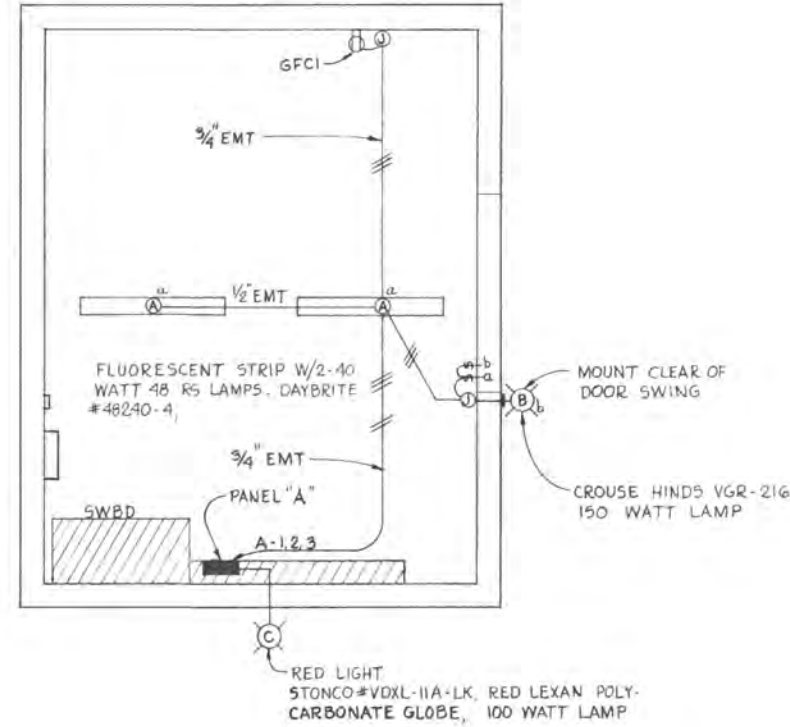
DRAWN: RES
CHECKED: F.J.F.
SUBMITTED: [Signature]
APPROVED: [Signature]

NOTE: CAP STUBS W/PIPE
CPLG. & PLUG FLUSH W/
FINISHED FLOOR. VERIFY
LOCATIONS OF RISERS - SEE
MFR'S SHOP DWGS. CONNECT
MOTORS W/ "SEALTITE FLEX"
INSTALL SURGE PROTECTIVE
CAPACITOR @ MOTOR TERMINAL
GE#9L1BAAB301. CONDUITS
MAY RUN EXPOSED EXCEPT
WHERE SHOWN IN FLOOR SLAB



POWER PLAN

SCALE: 3/8" = 1'-0"



LIGHTING PLAN

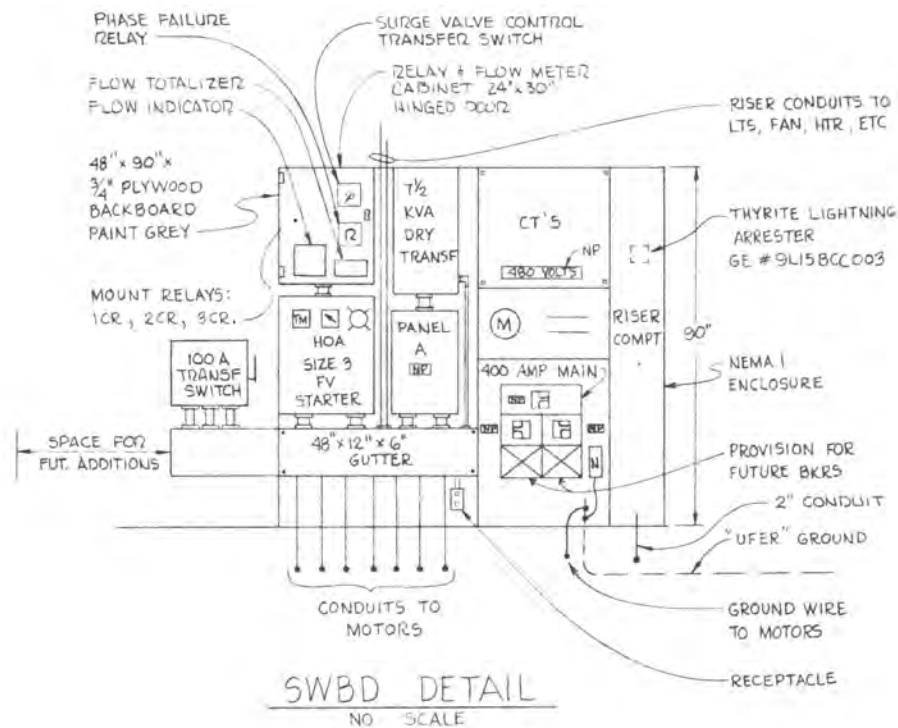
SCALE: 3/8" = 1'-0"

SYMBOLS

	LIGHT OUTLET
	PILOT LIGHT, PUSH TO TEST TYPE
	RECEPTACLE (G.F.C.I.)
	WALL SWITCH
	GROUND PLATE (FLUSH) OZ TYPE QG
	THERMOSTAT
	JUNCTION BOX
	CONTROL POWER TRANSFORMER
	PULL OUT FUSE
	ELAPSED TIME METER
	EMPTY; BC BARE COPPER
	CONDUIT RUN ON WALL OR CEILING
	CONDUIT RUN UNDER FLOOR OR UNDERGROUND
	DENOTES NO. OF #12 WIRES; NO MARKS = 1/2" C-2#12
	CONDUIT RUN DIRECT TO DESTINATION
	RELAY: EAGLE #BRI-8-A6-00 0-10MIN. ADJ. T.D.
	2CR " : SQUARE D #8501 W/2NO & INC CONTACT
	3CR * : EAGLE #BRI-3-A6-00 0-15MIN. ADJ. T.D.
	0--- FLUSH STUB

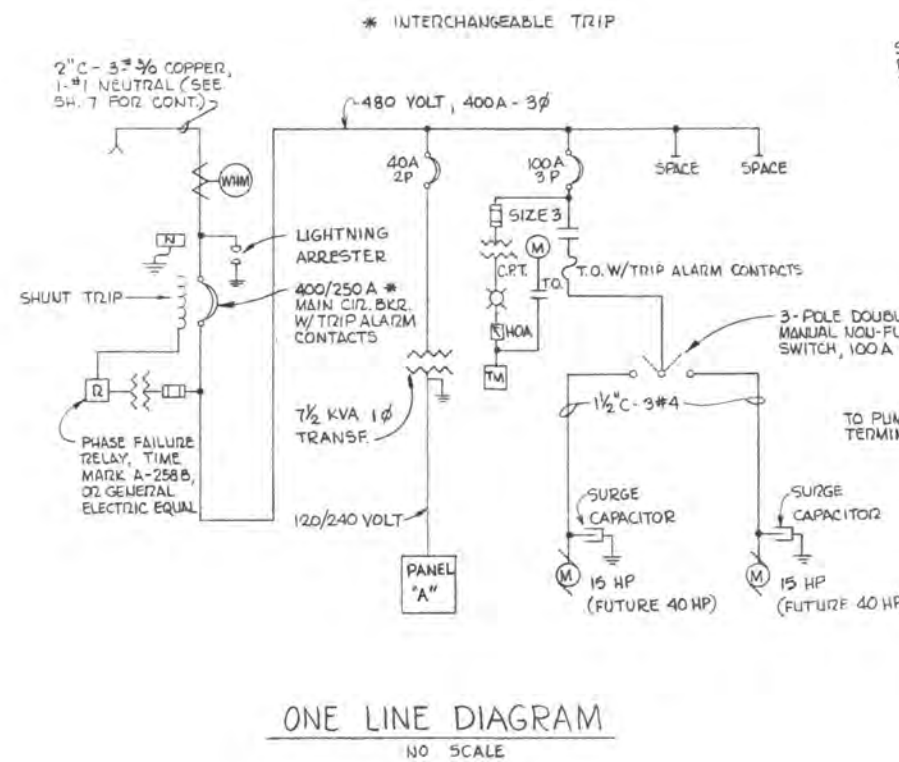
PANEL "A" 1Ø-3W-100A-120/220V

LOAD	WATTS	C.B. SIZE	NO.	Y	NO.	C.B. SIZE	WATTS	LOAD
LIGHTING	600	20/1	1	2	20/1			FLOW METER
CONV RECEPT	200		3	4		500		EXH FAN
SPARE			5	6				CONTROLS
			7	8				TELEMETRY POWER
			9	10				LIQ. LEVEL CONTROL POWER
ELEC. U. H.	5000	30/2	11	12				SPACE
			13	14				SPACE
				15				MAIN BREAKER



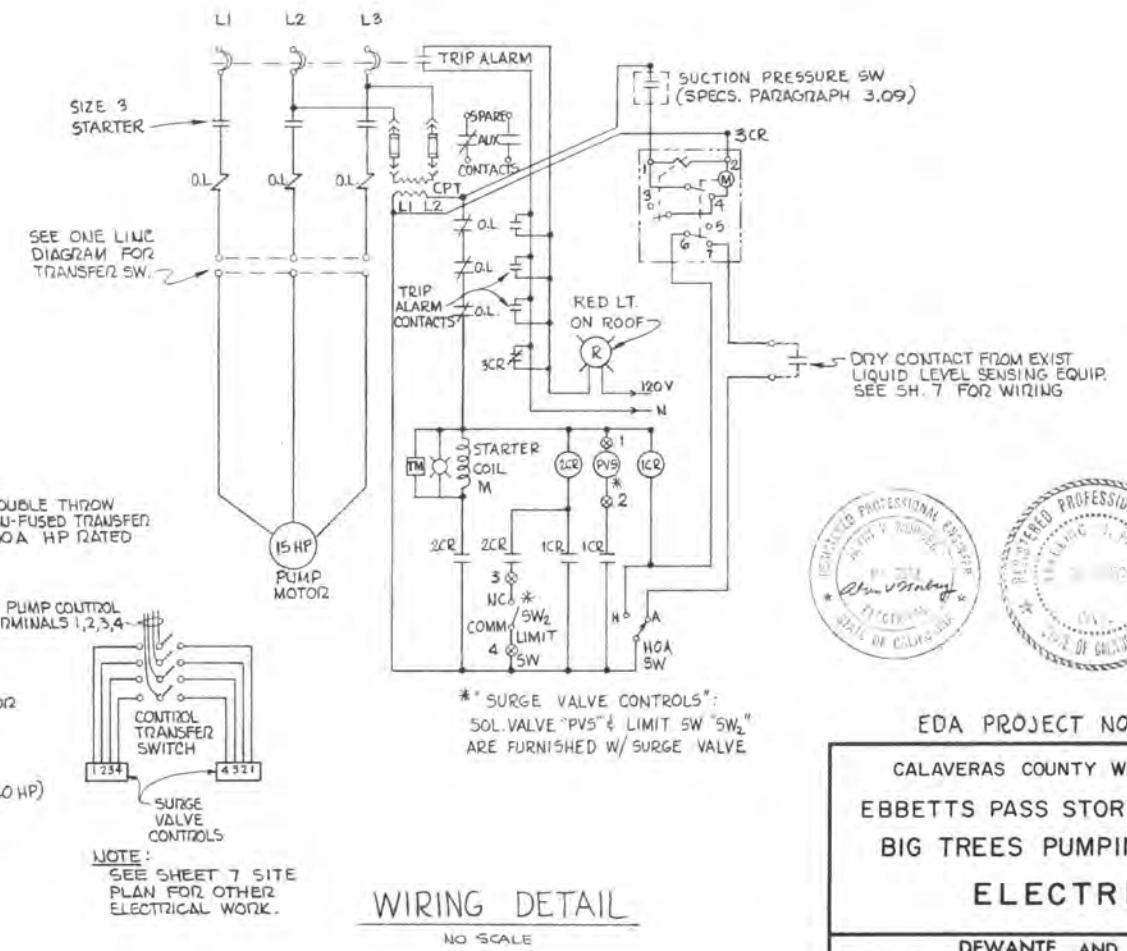
SWBD DETAIL

NO SCALE



ONE LINE DIAGRAM

NO SCALE

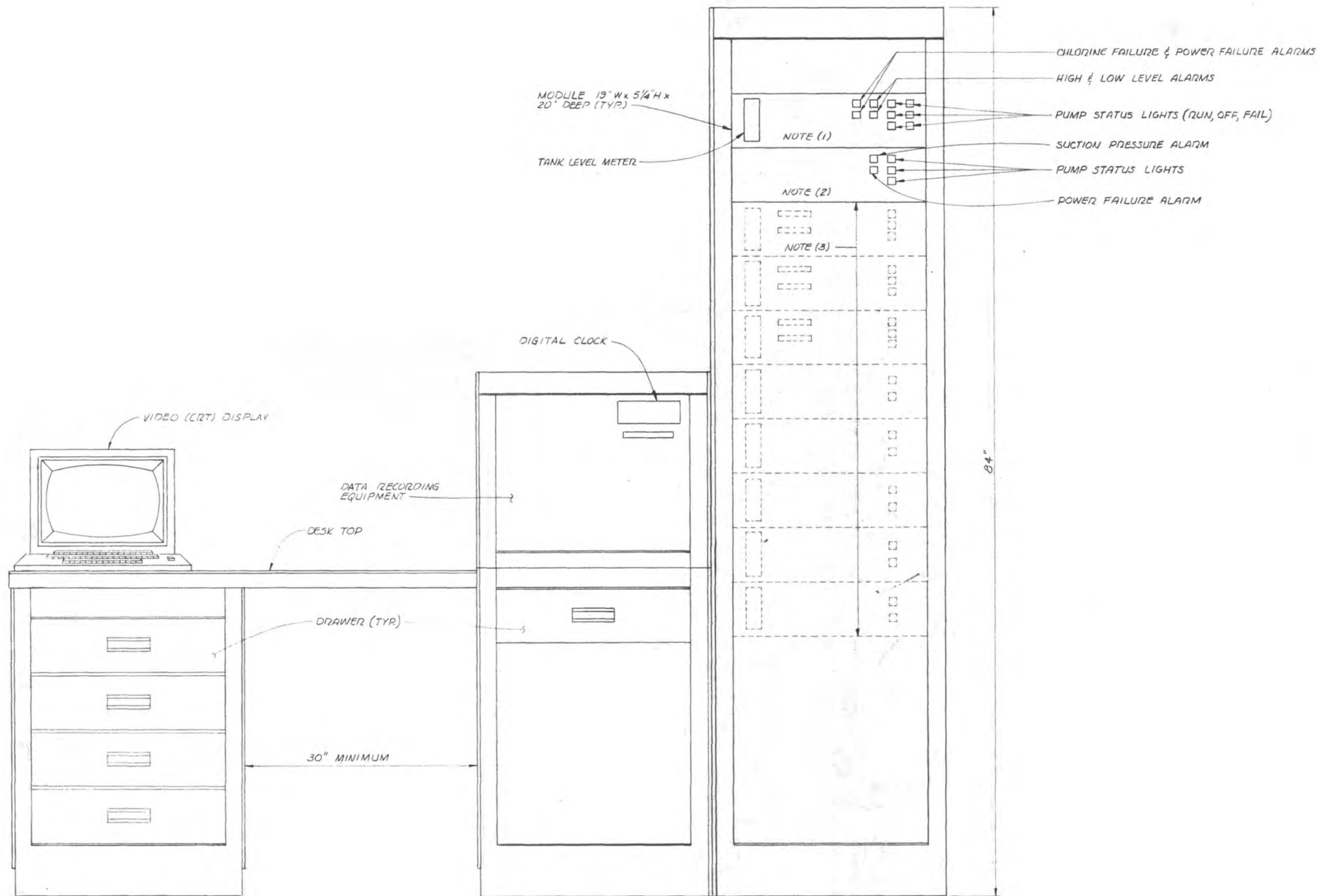


WIRING DETAIL

NO SCALE



EDA PROJECT NO 07 01 01
CALAVERAS COUNTY WATER DISTRICT
EBBETTS PASS STORAGE FACILITY
BIG TREES PUMPING STATION
ELECTRICAL
DEWANTE AND STOWELL
SANITARY AND CIVIL ENGINEERS - SACRAMENTO, CA
DRAWN: JAT
CHECKED: F.J.F.
SUBMITTED: T.S. Taylor



NOTES:

1. 3,000,000 GAL TANK SITE MODULE
2. BIG TREES PUMPING STATION MODULE
3. FUTURE MODULES
4. DIMENSIONS & EQUIPMENT ARRANGEMENT ARE APPROXIMATE. TELEMETRY EQUIPMENT SUPPLIER MAY VARY TO ACCOMMODATE THE SPECIFIC EQUIPMENT BEING SUPPLIED.



MASTER TERMINAL
N.T.S.

EDA PROJECT NO 07 01 01865

CALAVERAS COUNTY WATER DISTRICT
EBBETTS PASS STORAGE FACILITY

TELEMETRY FACILITIES

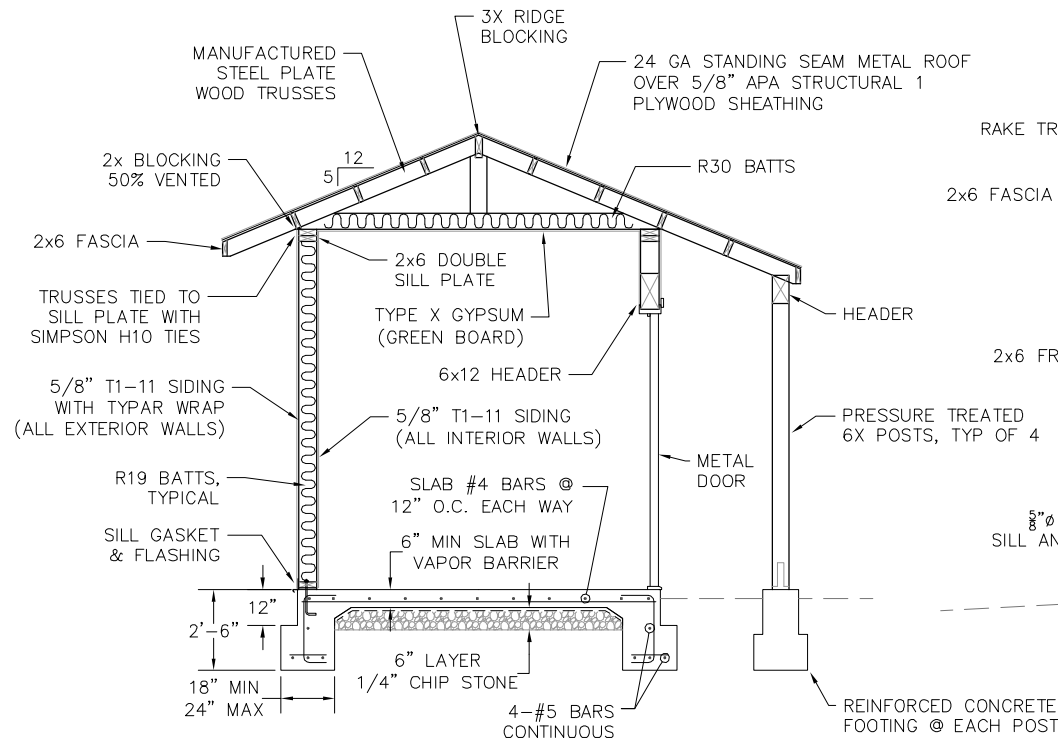
DEWANTE AND STOWELL
SANITARY AND CIVIL ENGINEERS — SACRAMENTO, CALIF.

DRAWN: R.E.S. SUBMITTED: [Signature]
CHECKED: F.J.F.

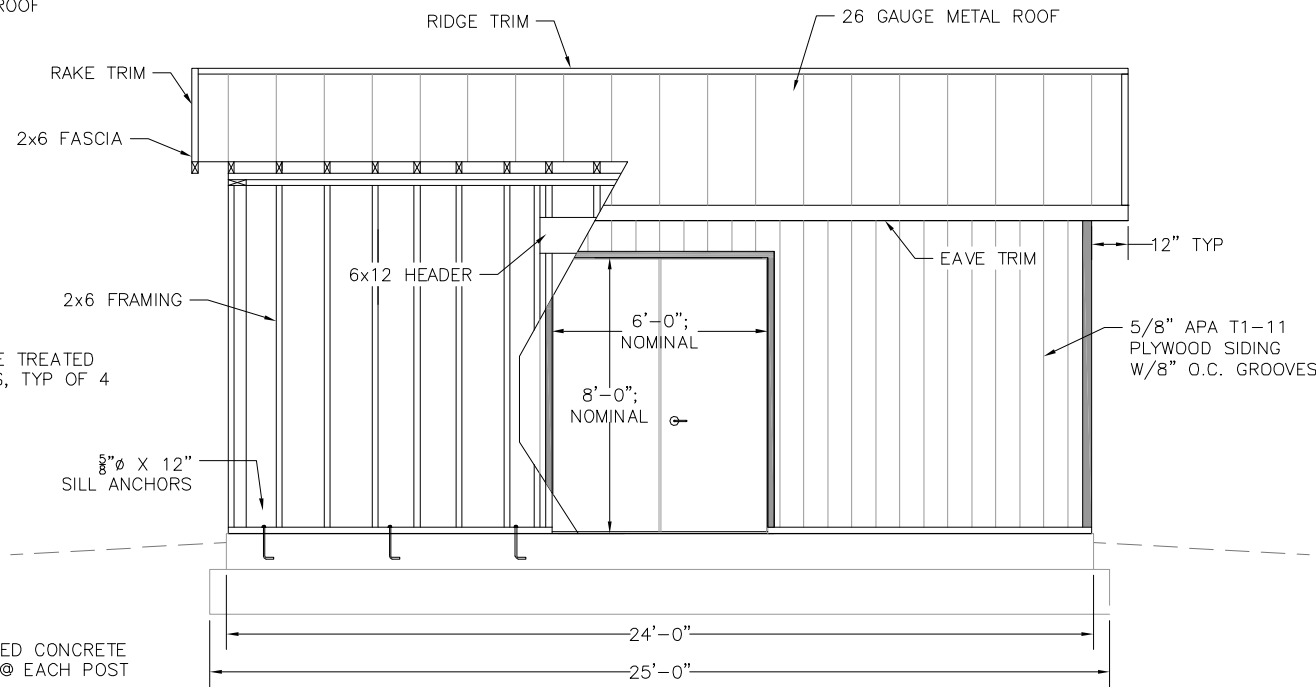
EXHIBIT 3

DISTRICT RECORD DRAWINGS
SAWMILL TANK
PUMP STATION IMPROVEMENTS

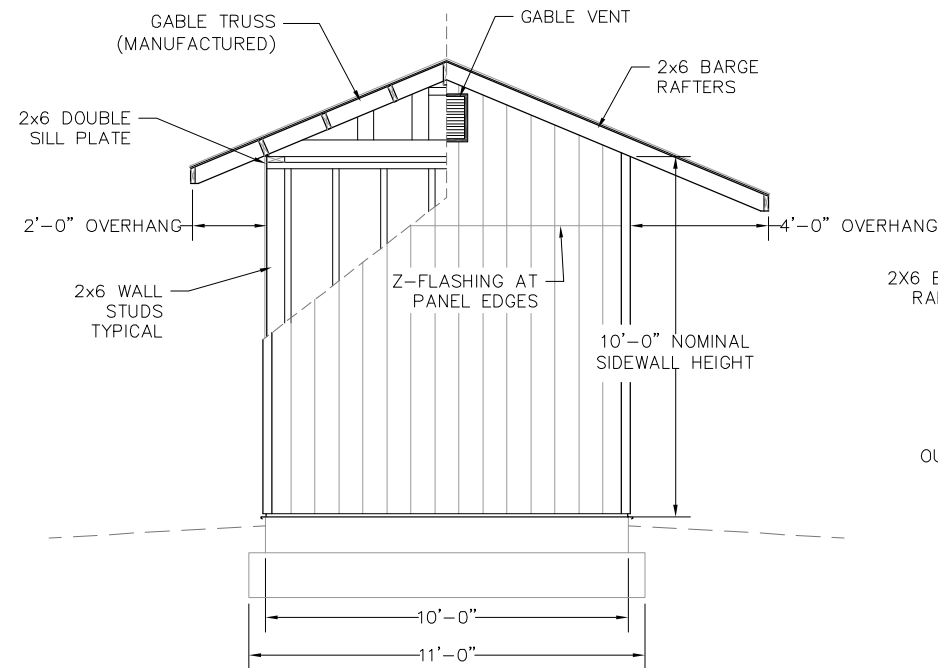
(50 PERCENT SCALE)



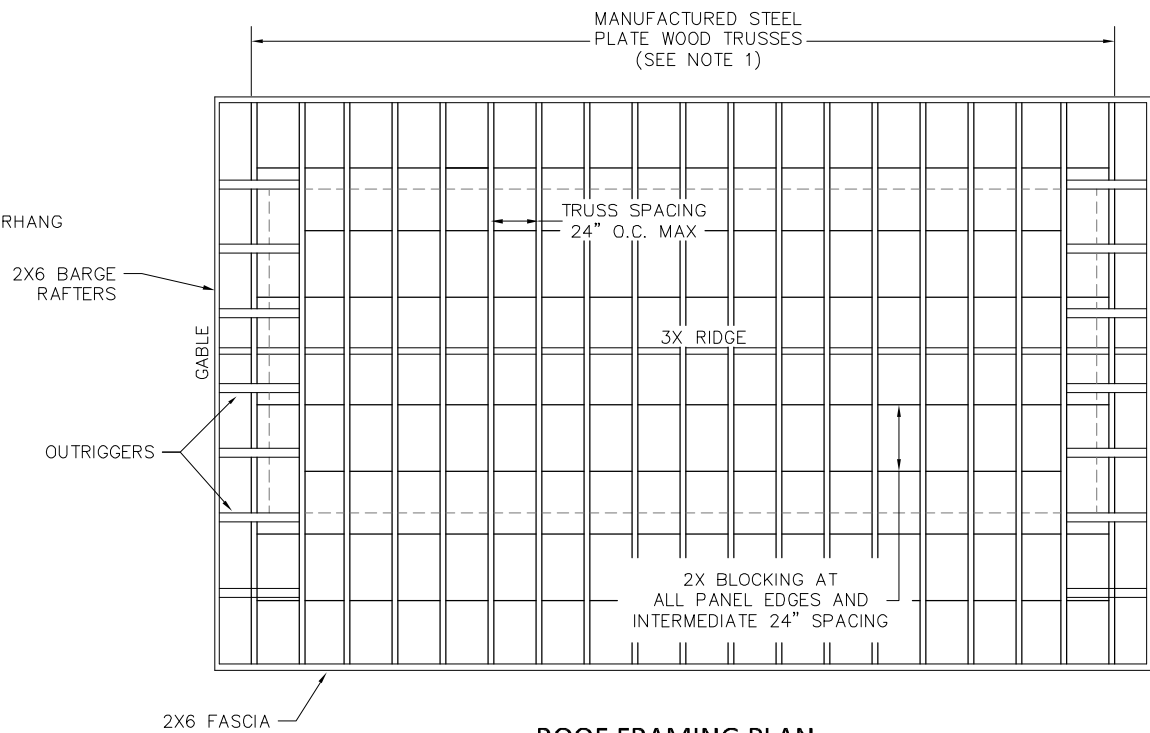
BUILDING SECTION
SCALE: 3/16" = 1'



FRONT ELEVATION
SCALE: 3/16" = 1'



SIDE ELEVATION
SCALE: 3/16" = 1'



ROOF FRAMING PLAN
SCALE: 3/16" = 1'

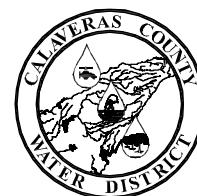
NOTES:

- PROVIDE MANUFACTURED STEEL PLATE WOOD TRUSSES AT MAXIMUM 24" O.C. SPACING WITH NO.1 STRUCTURAL DOUGLAS FIR DESIGNED WITH 2X6 TOP AND BOTTOM CORDS ACCORDING TO ANSI/TPI-1-2007 FOR THE FOLLOWING LOADS:
TOP CORD DEAD LOAD 20-LBS/SF
TOP CORD LIVE LOAD 110-LBS/SF (SNOW LOAD)
DURATION OF LOAD FACTOR 1.15 (2-MONTHS OF SNOW LOAD)
BOTTOM CORD DEAD LOAD 20-LBS/SF
- ROOF SHEATHING SHALL BE MINIMUM 5/8" APA RATED 4% STRUCTURAL 1 PLYWOOD SHEATHING (EXPOSURE 1) PLACED WITH LONG AXIS (STRENGTH AXIS) PERPENDICULAR TO THE ROOF TRUSSES; EDGE AND INTERMEDIATE NAIL @ 6" O.C. WITH 8D COMMON NAILS AT FRAMING; COVER WITH GRACE ICE & WATER SHIELD SELF-ADHERED UNDERLAYMENT INSTALL ACCORDING TO MANUFACTURER'S INSTRUCTIONS WITH 4" SIDE AND 6" END LAPS.
- EXTERIOR WALLS SHALL BE FULLY WRAPPED WITH TYPAR HOUSE WRAP AND THEN COVERED WITH 5/8" T1-11 FIR SIDING WITH 8" GROOVES. HORIZONTAL SIDING JOINTS SHALL BE MINIMIZED BY USING 4X10 PANELS OR 4X8 PANELS WITH HORIZONTAL Z-FLASHING LOCATED NOT LESS THAN 8-FT HIGH ON WALLS.
- COVER CEILING WITH ONE LAYER 5/8" TYPE X MOISTURE RESISTANT GYPSUM DRYWALL; FILL AND TAPE JOINTS, APPLY COMPOUND TO SCREW HEADS AND SAND/FINISH CEILING SMOOTH. COVER INTERIOR WALLS WITH 5/8" T1-11 PLYWOOD SIDING.
- PRIME ALL EXPOSED WOOD AND SIDING AND INTERIOR DRYWALL WITH KILZ PREMIUM 100% ACRYLIC INTERIOR/EXTERIOR PRIMER; PAINT CEILING AND INTERIOR WALLS WITH TWO COATS 100% ACRYLIC INTERIOR FLAT ENAMEL (KELLY MOORE ACRY-PLEX 655); PAINT EXTERIOR WOOD, METAL DOORS AND FRAMES WITH TWO COATS 100% ACRYLIC LOW SHEEN EXTERIOR PAINT (KELLY MOORE ACRY-SHIELD 1245).
- METAL ROOF SHALL BE AEP SPAN SPAN-LOK OR MBCI LOK-SEAM 24-GAUGE GALVALUME SUBSTRATE PANELS STRIATED 16" WIDE WITH 2" RIBS AND INTEGRAL BATTEN; ALL FASTENERS, CLIPS (UL90), TRIM, GUTTERS, DOWNSPOUTS, FLASHING AND OTHER COMPONENTS TO BE SUPPLIED BY THE SAME MANUFACTURER AS PANELS; SUBMIT COLOR CHOICES FOR KYNAR 500 OR EQUAL FINISH; INSTALL ROOF SYSTEM ACCORDING TO MANUFACTURER'S INSTRUCTIONS AND UL METHODS #343 OR #414.
- CONCRETE SHALL CONFORM TO SECTION 90 OF STATE STANDARD SPECIFICATIONS FOR CLASS 2 CONCRETE WITH 590#/CY TYPE-II PORTLAND CEMENT AND 15% BY WEIGHT (90#/CY) CEMENT CONTENT SUBSTITUTED WITH POZZOLANIC FLY ASH; CONCRETE SHALL HAVE 1" MAX COMBINED AGGREGATE GRADING, MAX 0.5 W/C RATIO, 2"-4" SLUMP, 4%±1% ENTRAINED AIR AND MINIMUM 3000-PSI COMPRESSIVE STRENGTH AT 28-DAYS; DELIVER AND PLACE READY-MIX WITHIN 90-MINUTES (BEFORE 300 REVOLUTIONS) AFTER FIRST ADDING WATER; CONSOLIDATE USING A MECHANICAL VIBRATOR, SCREED/TROWEL AND FINISH SURFACE WITH LIGHT BROOM FINISH. REBAR SHALL BE ASTM A615, GRADE 60. APPLY BONDING COMPOUND TO ALL COLD JOINTS.
- PROVIDE STEELCRAFT BF18 18-GA DOORS (STEEL STIFFENED CORE, FIBERGLASS INSULATION, TOP AND BOTTOM CAPS AND EPOXY FILLED SEAMS) WITH STEELCRAFT MU16 16-GA FRAMES; DOORS AND FRAMES SHALL BE GALVANNEALED, FACTORY PRIMED AND SHOP PAINTED; PROVIDE STANDARD FACTORY REINFORCEMENTS FOR EXIT DEVICES, CLOSERS AND FLUSH BOLTS; DOORS SHALL BE RIGHT HAND REVERSE BEVEL (RHRB) OPENING OUTWARD WITH ACTIVE LEAF AND LOCK ON RIGHT HAND SIDE AND WELDED ASTRAGAL WITH FLUSH BOLT PREPARATIONS ON INACTIVE LEAF.
- PROVIDE PEMKO THRESHOLDS (PEMKO CT-14/1), SWEEPS (PEMKO 368_N), WEATHERSTRIPPING (PEMKO 290_PK) AND ASTRAGAL SEALS (PEMKO S771).
- VON DUPRIN SERIES 22 EXIT DEVICES (ANSI A156.3 GRADE 1) WITH ALUMINUM FINISH AND KNOB AND ESCUTCHEON TRIM; VERTICAL ROD EXIT DEVICE ON ACTIVE LEAF (WITH RG27 GUARD) AND MANUAL FLUSH BOLTS (IVES FB458) ON INACTIVE LEAF; PROVIDE LCN 4020 CLOSERS (ANSI A156.4 GRADE-1) WITH CAST-IRON CYLINDER ON ALL ACTIVE DOORS; HAGER BB1191 FULL MORTISE FIVE KNUCKLE BALL BEARING STANDARD WEIGHT STAINLESS STEEL HINGES (ANSI-A5112) WITH NON-REMOVABLE PINS.
- CONTRACTOR SHALL COORDINATE INSTALLATIONS BY SUBCONTRACTORS TO PREVENT CONFLICTS BETWEEN PLACEMENT OF ELECTRICAL CONDUITS AND SUBSEQUENT PLACEMENT OF REINFORCING STEEL; A MINIMUM 2-INCH CLEARANCE SHALL BE PROVIDED BETWEEN CONDUITS (INCLUDING CONDUIT SUPPORTS) AND PLANNED LOCATIONS OF ADJACENT REINFORCING STEEL; DURING INSTALLATION OF CONDUITS, THE SUBCONTRACTOR SHALL ALLOW MINIMUM 4-INCH GAPS AT THE PLANNED LOCATIONS OF SLAB REINFORCING BARS (EVERY 16-INCHES ON-CENTER).

REV.	DESCRIPTION:	DATE:

PROJECT MANAGER:
ENGINEER: C. PALMER
CHECKED:
DRAWN BY: C. PALMER

**ELECTRICAL BUILDING
ELEVATION / SECTION / PLAN**



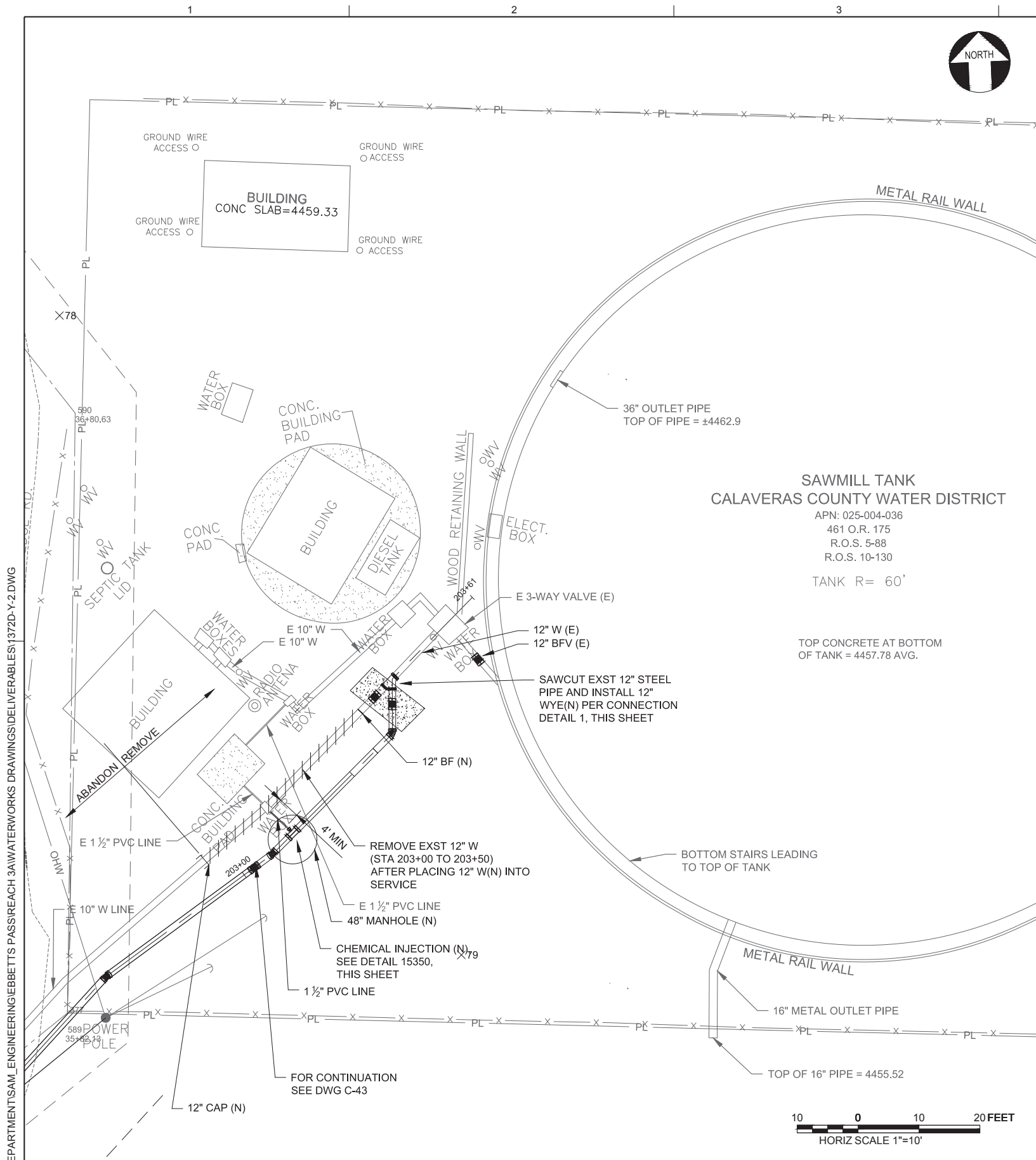
CALAVERAS COUNTY
WATER DISTRICT
423 EAST SAINT CHARLES STREET
P.O. BOX 846
SAN ANDREAS, CA 95249
PHONE: (209) 754-3543 FAX: (209) 754-1069

PROJECT:	SAWMILL PUMP STATION IMPROVEMENTS	
DATE:	MAY 18, 2012	PROJECT NO: -
SCALE:	AS NOTED	FILE NAME: -
		SHEET NO. 1

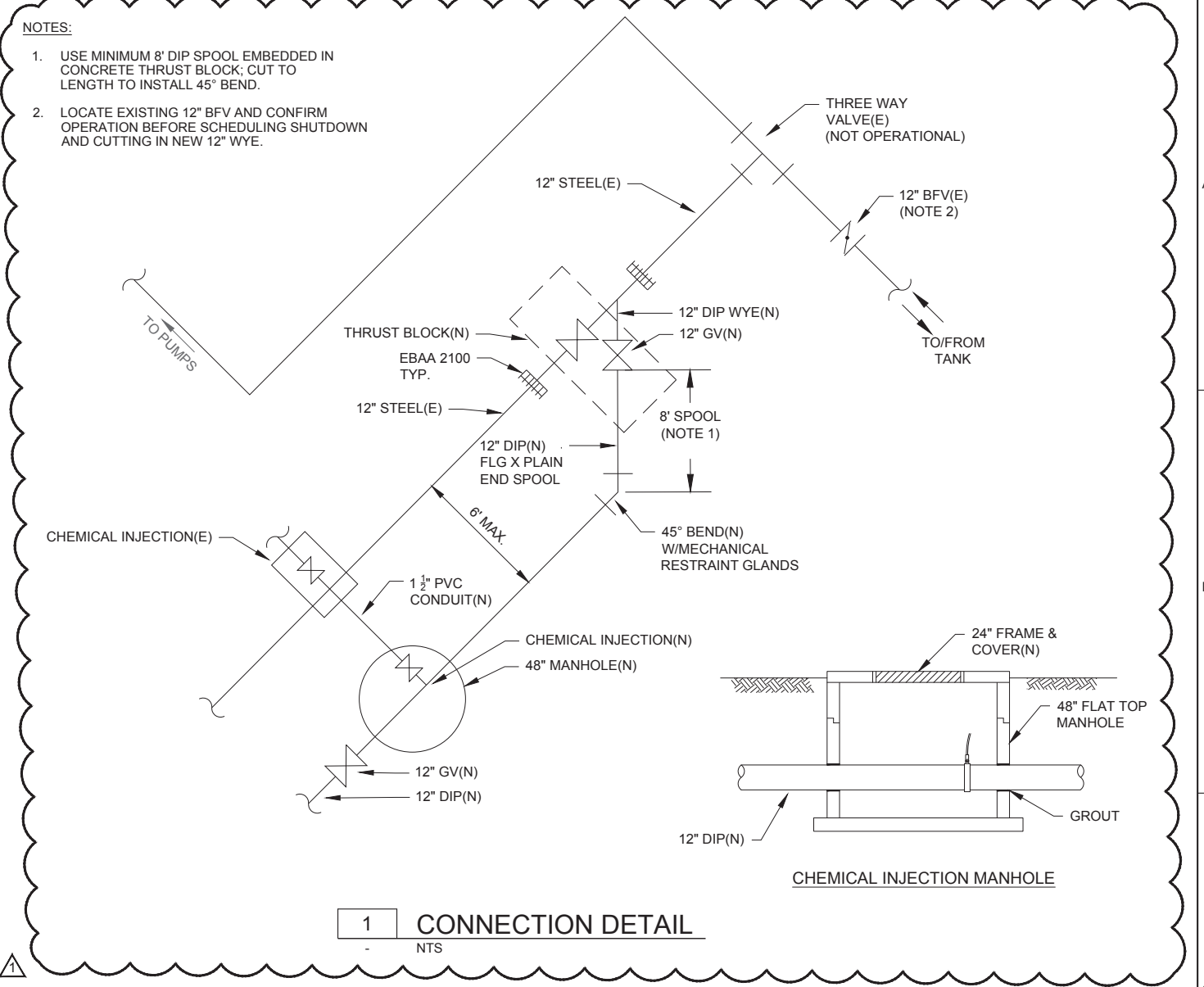
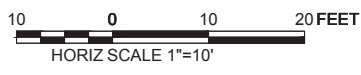
EXHIBIT 4

DISTRICT RECORD DRAWINGS
REACH 3A PROJECT
SAWMILL TANK SITE IMPROVEMENTS

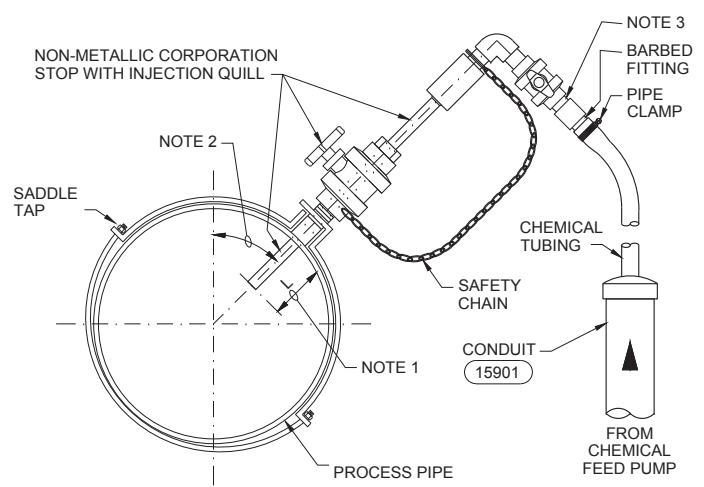
(50 PERCENT SCALE)



SAWMILL TANK
CALAVERAS COUNTY WATER DISTRICT
 APN: 025-004-036
 461 O.R. 175
 R.O.S. 5-88
 R.O.S. 10-130
 TANK R= 60'
 TOP CONCRETE AT BOTTOM
 OF TANK = 4457.78 AVG.



1 CONNECTION DETAIL
 NTS



CHEMICAL INJECTION POINT
 NTS

15350

- NOTES:**
- INJECTION QUILL SHALL EXTEND INTO PROCESS PIPE SUCH THAT "L" DIMENSION IS BETWEEN ONE-THIRD AND ONE-HALF OF PIPE DIAMETER. MINIMUM "L" DIMENSION SHALL BE 2-INCHES.
 - LOCATE PIPE TAP ABOVE THE HORIZONTAL PLANE. ORIENT PIPE TAP / INJECTION QUILL AND PROVIDE FITTINGS AS REQUIRED TO ALLOW FOR ACCESS TO INJECTION POINT AND A STRAIGHT RUN OF CHEMICAL TUBING TO CONDUIT.
 - CPVC PIPING, FITTINGS AND VALVES SHALL BE 1/2" UNLESS NOTED OTHERWISE. COORDINATE PIPE AND TUBING CONNECTION SIZES WITH INJECTION QUILL.



6/20/16	ADDENDUM 3	CRP	DESIGN K ALACON
			DRAWN P WEBSTER
			CHECKED M FISHER
			APPROVED M FISHER
NO.	DATE	REVISION	BY

BENCH MARK	ELEV. 3845.47
DESCRIPTION	5/8" REBAR & CAP IN A PARKING ISLAND IN THE PARKING LOT OF MEADOWMONT SHOPPING CENTER.



CALAVERAS COUNTY WATER DISTRICT
 EBBETTS PASS WATER SYSTEM
 REACH 3A PIPELINE PROJECT

YARD PIPING
SAWMILL TANK SITE

DATE	OCT 2015
PROJECT NUMBER	13-072
DRAWING NUMBER	Y-2
SHEET	56 - 62

EXHIBIT 5

**CALAVERAS COUNTY WATER DISTRICT
PROFESSIONAL SERVICE AGREEMENT (PSA)**

**Professional Services Agreement
with
Calaveras County Water District
120 Toma Court
San Andreas, CA 95249
Telephone 209-754-3543 Fax 209-754-1120**

The terms on subsequent pages are incorporated in this document and will constitute a part of the agreement between the parties when signed.

To: Consultant

Phone:

Fax:

Date:

**Agreement No.
Purchase Order No.**

The undersigned Consultant offers to furnish the following: (scope of work)

Contract Price: Not to exceed \$ _____, as shown in Attachment A.

Completion Date:

For Technical Direction by Calaveras County Water District: Kevin Williams, P.E., Senior Civil Engineer, 120 Toma Court, San Andreas, CA 95249, kevinw@ccwd.org or phone (209) 419-3979, or designee.

For Direction by Consultant:

Accepted: Calaveras County Water District

Consultant:

By: _____
Michael Minkler
General Manager

By: _____
Name
Title

Date: _____, 2024

Date: _____, 2024

Consultant agrees with Calaveras County Water District that:

- a. Hold-Harmless. When the law establishes a professional standard of care for the Consultant's services, to the fullest extent permitted by law, Consultant will indemnify and hold harmless Calaveras County Water District, its directors, officers, employees, and authorized volunteers from all claims and demands of all persons to the extent caused by the Consultant's negligence, recklessness, or willful misconduct in the performance (or actual or alleged non-performance) of the work under this agreement. Consultant shall defend itself against any and all liabilities, claims, losses, damages, and costs arising out of Consultant's negligent performance or non-performance of the work hereunder and shall not tender such claims to Calaveras County Water District nor to its directors, officers, employees, or authorized volunteers, for defense or indemnity.
- b. Indemnification. Other than in the performance of professional services, to the fullest extent permitted by law, Consultant will defend, indemnify and hold harmless Calaveras County Water District, its directors, officers, employees and authorized volunteers from all claims and demands of all persons arising out the negligent or reckless performance of the work or furnishing of materials; including but not limited to, claims by the Consultant or Consultant's employees for damages to persons or property except to the extent caused by the negligence or willful misconduct or active negligence of Calaveras County Water District, its directors, officers, employees, or authorized volunteers.
- c. Workers Compensation. By his/her signature hereunder, Consultant certifies that he/she is aware of the provisions of Section 3700 of the California Labor Code which requires every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and that Consultant will comply with such provisions before commencing the performance of the professional services under this agreement. Consultant and sub-Consultants will keep workers' compensation insurance for their employees in effect during all work covered by this agreement. A sole proprietor exempt from the requirements to provide such coverage, with no employees or using no sub consultants, shall so certify on the form provided by the District.
- d. Professional Liability. Consultant will file with Calaveras County Water District, before beginning professional services, a certificate of insurance satisfactory to the Calaveras County Water District evidencing professional liability coverage of not less than \$1,000,000 per claim and annual aggregate, requiring 30 days' notice of cancellation (10 days for non-payment of premium) to Calaveras County Water District. Coverage is to be placed with a carrier with an A.M. Best rating of no less than A-: VII, or equivalent, or as otherwise approved by Calaveras County Water District. The retroactive date (if any) is to be no later than the effective date of this agreement. Consultant shall maintain such coverage continuously for a period of at least three years after the completion of the contract work. Consultant shall purchase a one-year extended reporting period i) if the retroactive date is advanced past the effective date of this Agreement; ii) if the policy is canceled or not renewed; or iii) if the policy is replaced by another claims-made policy with a retroactive date subsequent to the effective date of this Agreement. In the event that the Consultant employs other consultants (sub-consultants) as part of the work covered by this agreement, it shall be the Consultant's responsibility to require and confirm that each sub-consultant meets the minimum insurance requirements specified above.

- e. General Liability. Consultant will file with Calaveras County Water District, before beginning professional services, certificates of insurance satisfactory to Calaveras County Water District evidencing general liability coverage of not less than \$1,000,000 per occurrence (\$2,000,000 general and products-completed operations aggregate (if used)) for bodily injury, personal injury and property damage; auto liability of at least \$1,000,000 for bodily injury and property damage each accident limit; workers' compensation (statutory limits) and employer's liability (\$1,000,000) (if applicable); requiring 30 days (10 days for non-payment of premium) notice of cancellation to Calaveras County Water District. The general liability coverage is to state or be endorsed to state "such insurance shall be primary, and any insurance, self-insurance or other coverage maintained by Calaveras County Water District, its directors, officers, employees, or authorized volunteers shall not contribute to it". The general liability coverage shall give Calaveras County Water District, its directors, officers, employees, and authorized volunteers additional insured status using ISO endorsement CG2010, CG2033, or equivalent. Coverage is to be placed with a carrier with an A.M. Best rating of no less than A- :VII, or equivalent, or as otherwise approved by Calaveras County Water District. In the event that the Consultant employs other consultants (sub-consultants) as part of the work covered by this agreement, it shall be the Consultant's responsibility to require and confirm that each sub-consultant meets the minimum insurance requirements specified above.
 - f. Insurance Notification. If any of the required coverages expire during the term of this agreement, the Consultant shall deliver the renewal certificate(s) including the general liability additional insured endorsement to Calaveras County Water District at least ten (10) days prior to the expiration date.
 - g. Direction/Orders. Consultant shall not accept direction or orders from any person other than the General Manager or the person(s) whose name(s) is (are) inserted on Page 1 as "other authorized representative(s)," subject to the limitations of paragraph "Changes", below. An Amendment to this Agreement will be issued in writing, incorporating Consultant's scope and mutually agreed-upon price and estimated schedule for completion. A fully executed Revised Purchase Order incorporating the additional/changed scope and price, shall also be issued, with a copy provided to Consultant.
 - h. Invoices. Consultant shall submit to the District monthly invoices for time and expenses subject to the contract limitation. Invoices shall reference the Purchase Order and project number shown on the purchase order form. Each invoice shall also include the total invoiced and paid to date, and the remainder outstanding. Invoices received without this information shall be returned to Consultant unpaid, for revision and re-submittal. Invoices shall be submitted to:
- Calaveras County Water District
120 Toma Court
San Andreas, CA 95249
- i. Payment. Payment, unless otherwise specified, is to be 30 days after receipt of an invoice deemed acceptable in accordance with paragraph h., above, by Calaveras County Water District and its acceptance in meeting the criteria of this Agreement.

- j. Permits. Permits required by governmental authorities will be obtained at Consultant's expense, and Consultant will comply with applicable local, state, and federal regulations and statutes including Cal/OSHA requirements.
- k. Changes. Any change in the scope of the professional services to be done, method of performance, nature of materials or price thereof, or to any other matter materially affecting the performance or nature of the professional services will not be paid for or accepted unless such change, addition or deletion is approved in advance, in writing by an Agreement Amendment executed by the General Manager of Calaveras County Water District.
- l. Progress of Work. Consultant shall perform the professional services promptly, diligently and in such manner and sequence as to assure the timely completion of other work dependent thereon and to permit completion of the professional services in a manner to ensure the work is completed on or before the Completion Date set forth above ("Schedule Requirements"). In this regard, Consultant shall at all times furnish and have available such sufficient and satisfactory equipment, materials, supplies and workers to perform the professional services in a prompt and timely manner in accordance with the timelines of this Agreement. In the event Consultant fails to perform the professional services in accordance with the Schedule Requirements, Consultant, at its own expense, shall provide additional equipment, work force, overtime or additional shifts so as to meet and maintain the Schedule Requirements. Consultant will pay all expenses and damages incurred by Owner resulting from the failure of Consultant to meet the Schedule Requirements, or abide by Owner's instructions with regard to the Schedule Requirements, to Owner upon demand.
- m. Assignment. Consultant shall not assign, delegate, sublet, or transfer any interest in or duty under this Agreement without the express prior written consent of the Calaveras County Water District.
- n. Termination. District may terminate this Agreement with ten (10) days prior written notice to Consultant and identifying the Consultant's final work date. In the case of such termination Consultant shall provide the Calaveras County Water District a final invoice for work performed and expenses incurred prior to termination within 30 calendar days following the final work date provided in the notice of termination. No additional invoices will be accepted, nor charges paid by the Calaveras County Water District after this 30-day final invoicing period.
- o. Products. All work products resulting from this Agreement, including documents and reports, drawings, models, specifications, computer drawings and other electronic expression, and the like that may be drafted, assembled, compiled, or obtained by Consultant during the performance of assigned tasks, and delivered to the Calaveras County Water District as Consultant's work product shall be the property of the Calaveras County Water District for its exclusive use. Except as may be distributed in its original form, any modification or other reuse of such work product for purposes other than those intended by this Agreement shall be at the Calaveras County Water District's sole risk and without liability to Consultant.
- p. Provided Information. Calaveras County Water District shall furnish the Consultant with associated drawings (plan and section) of associated equipment and/or infrastructure as necessary.

- q. Third Parties. The services to be performed by Consultant are intended solely for the benefit of the Calaveras County Water District. No person or entity not a signatory to this Agreement shall be entitled to rely on the Consultant's performance of its services hereunder, and no right to assert a claim against the Consultant by assignment of indemnity rights or otherwise shall accrue to a third party as a result of this Agreement or the performance of the Consultant's services hereunder. Notwithstanding the foregoing Consultant understands and agrees that Calaveras County Water District will be submitting the report to various State and/or Federal agencies for their review. Consultant agrees that the agencies receiving the report may and will rely on its accuracy. Moreover, this section in no way impairs Calaveras County Water District's rights to indemnity from Consultant as provided in this agreement, including any claims by third parties.
- r. Access to Records. Consultant shall provide access to the Federal grantor agency, the Comptroller General of the United States, or any of their duly authorized representatives to any books, documents, papers, and records of the contractor which are directly pertinent to that specific contract for the purpose of making audit, examination, excerpts, and transcriptions.
- s. Record Retention. Consultant shall retain all required records for three years after the Calaveras County Water District makes final payments and all other pending matters are closed.
- t. Modification. No waiver, amendment or modification of any term, provision, condition or covenant of this Agreement shall be effective unless set forth in writing, signed by the Parties hereto, and which specifically identifies such waiver, amendment or modification. Such waiver, amendment or modification shall be effective only to the extent identified in such writing.
- u. Independent Contractor Relationship. Consultant is and shall be an independent contractor of the District. Neither Consultant nor Consultant's employees shall be deemed to be employees or agents of the District. Nothing in this Agreement is intended to establish a partnership, joint venture, or agency relationship between the parties, and neither Consultant nor Consultant's employees are authorized to bind the District or make any representations on its behalf in any matter.
- v. Electronic Signatures. All parties agree to conduct this transaction electronically and use scanned or electronic signatures in accepting and conveying this agreement electronically by email or other electronic means, and therefore both parties acknowledge this agreement is accorded legal effect and binding on both parties.

* * *