	<p style="text-align: center;">MARIPOSA COUNTY RESOURCE CONSERVATION DISTRICT</p> <p style="text-align: center;">P.O. Box 2403, Mariposa, CA 95338 (209) 966-0970 MariposaCountyRCD@gmail.com</p>
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January 18, 2021

REQUEST FOR PROPOSALS ELECTRICAL ENGINEERING SERVICES

PROJECT TITLE: Bootjack Fire Station Electrical Upgrade Designs

RELEASE DATE: Monday, January 18, 2021

CLOSING DATE: Friday, February 26, 2021

CONTACT PERSON:

Melinda Barrett
Program Manager
Mariposa County Resource Conservation District
P.O. Box 2403
Mariposa, CA 95338
MariposaCountyRCD@gmail.com
(559)580-0944

INTRODUCTION:

The Mariposa County Resource Conservation District (MCRCD) received a grant to install a 165,000-gallon water storage tank, fire hydrant, hydrant booster pumps, backup generator, and to upgrade the well pump at the Bootjack Fire Station. In order to complete the project, the County of Mariposa (COUNTY) will be upgrading the electrical service at the fire station to accommodate the new system. MCRCD has full authority to contract for these electrical upgrades through a Memorandum of Understanding (MOU) approved by COUNTY on November 10, 2020.

LOCATION:

The project is located at the Bootjack Fire Station, 3883 Bootjack Lane, Mariposa, California. Electrical work will be performed along a portion of Bootjack Lane, and on COUNTY-owned property (APN 014-400-0620) adjacent to 3901 Bootjack Lane and across from 3896 Bootjack Lane.

DESCRIPTION OF CONSTRUCTION: At 3883 Bootjack Lane, the existing well pump will be upgraded from a 1-1/2 HP to a 7-1/2 HP 3-phase pump; a 165,000-gallon water tank will be installed with a fire hydrant and (3) 7-1/2 HP 3-phase variable frequency drive pumps; a new diesel generator and fuel tank will need to be sized to handle all anticipated loads; the design loads will be used to size the service drop and 3-phase transformer bank by PG&E; and electrical controls will be required to be designed for well, tank, hydrant pump, fire house, and generator to control water and electrical demands.

SCOPE OF SERVICES

MCRCD is seeking a qualified engineer or contractor to:

- Perform electrical load calculations and prepare plans, specifications and estimates for electrical equipment including a new service panel, a backup diesel generator, and automatic switchgear.
- Design a backup generator with automatic switchgear, controls, and instrumentation systems using the attached preliminary design documents and additional information to be provided by MCRCD and COUNTY.
- Design controls for switching water supply from the well to the fire station bladder tanks or water storage tank based on demand.
- Work with MCRCD and COUNTY staff to submit calculated loads for the PG&E application to upgrade the transformer and the electrical service at the fire station.

Bidders may visit the site prior to bidding. An MCRCD representative or COUNTY engineering technician can be available to meet at the site upon request.

Proposals are due by 5:00 p.m. on Friday, February 26, 2021.

QUALIFICATIONS

Bidders must meet the following qualifications:

- Experience applying for new or upgraded electrical service from PG&E
- Proof of general liability insurance (minimum coverage \$1 million)
- Possess a valid California electrical engineer's or contractor's license
- Fiscal capacity to wait up to 30 days from the date of invoice submission for payment.
- Proof of workers' compensation insurance.

PROPOSAL FORMAT

A qualifying proposal must include all of the following items:

1. Cover sheet with the following information:
 - Title of proposal
 - Name, address and license number of contractor/engineer
 - Contact person, telephone number, email address, and mailing address
2. Understanding of Project: The contractor/engineer shall provide a brief outline that demonstrates an understanding of the process to prepare and submit an application for service upgrade to PG&E, including performing electrical load calculations and designing the system to meet project requirements.
3. Qualifications of Key Personnel: The contractor/engineer shall provide the names of the key people who will be working on this project, their role in the project, and a synopsis of their experience relevant to these roles. Please list appropriate license numbers for key personnel.

4. References: The contractor/engineer shall provide a minimum of three recent references from similar or related projects, including appropriate contact name, telephone number, and email address.
5. Copies of any licenses or certifications.
6. Proof of general liability insurance, accidental fire insurance, and other insurance listed below:
 - a. Workers' compensation insurance: contractor/engineer shall maintain workers' compensation insurance for all employees.
 - b. General liability and accidental fire coverage: insurance of not less than one million dollars (\$1,000,000.00) combined single limit per occurrence for personal injury liability, bodily injury, and property damage. One million dollars (\$1,000,000.00) aggregate.

Certificates of insurance will be required, with MCRCD and COUNTY named as additional insured.

7. Project Budget: The proposal shall include a project budget that details the schedule of work. The budget should be created using rates for labor and any necessary equipment, and expected dates and amounts of fees to be paid by MCRCD to PG&E during the application process.

This is a public works project using public funds and as such is subject to certain regulations. Projects with a total budget **of more than \$25,000** are subject to prevailing wage and certified payroll regulations. Bidders whose proposals exceed \$25,000 must comply with all of the applicable provisions of the California Labor Code requiring the payment of prevailing wages and be registered with the Department of Industrial Relations (DIR).

Contractors who work exclusively on small public works projects are not required to register as a public works contractor or file electronic certified payroll reports for those projects. Contractors are still required to maintain certified payroll records on a continuous basis, and provide them to the Labor Commissioner's Office upon request. Additionally, awarding agencies are not required to submit the notice of contract award through DIR's PWC-100 system on projects that fall within the small project exemption. The small project exemption applies for all public works projects that do not exceed:

***\$25,000 for new construction, alteration, installation, demolition or repair
\$15,000 for maintenance***

Current prevailing wage information is attached to this RFP. Proposals must clearly indicate if the proposer is registered with DIR, or if the proposer qualifies for the small project exception.

EXPECTED PROJECT TIMELINE

Milestone	Timeline
Release Request for Proposals	January 18, 2021
Proposals Due to MCRCD	February 26, 2021
Review and Selection of Contractor/Engineer	March 1, 2021
Service Agreement Signed	March 5, 2021
Begin Design Work	March 8, 2021
Expected Design (PSE's) Submittal	March 22, 2021
Expected Work End	November, 2021

PROPOSAL SUBMISSION

Proposals may be submitted via email to MariposaCountyRCD@gmail.com (preferred) or via the US Postal Service to:

MCRCD Electrical Services Contract
P.O. Box 2403
Mariposa, CA. 95338

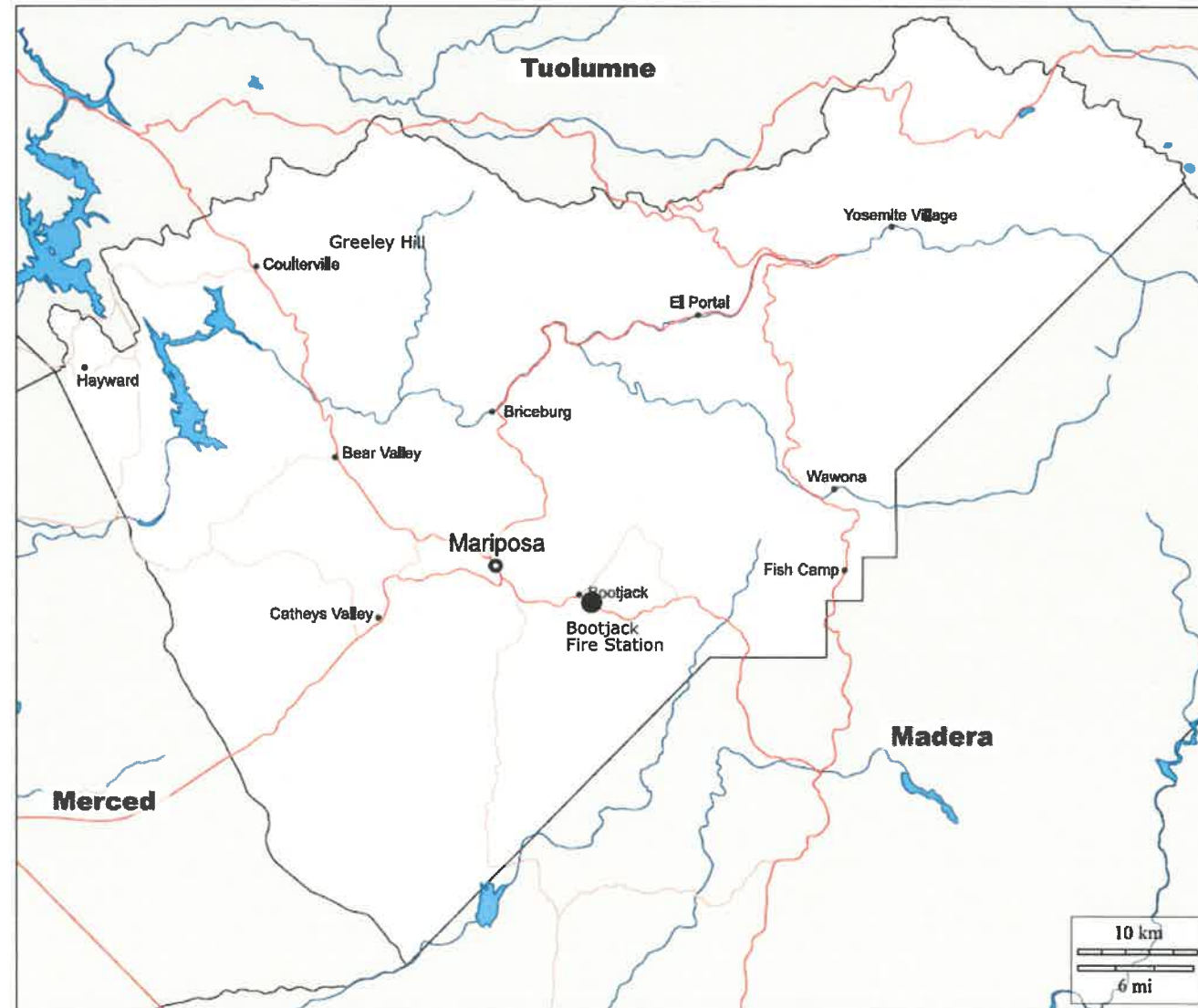
Proposals must be received no later than February 26, 2021. Address any questions to Melinda Barrett at the above email address or by phone at (559)580-0944.



COUNTY OF MARIPOSA PUBLIC WORKS DEPARTMENT PROJECT PLANS FOR CONSTRUCTION HAZARD MITIGATION BOOTJACK FIRE STATION WATER STORAGE TANKS PROJECT NO. 0150-2103

SHEET INDEX

- T1.0 TITLE SHEET
- C1.0 SITE PLAN
- C1.1 PLAN AND PROFILE
- D1.0 WATER TANK & PUMP DETAILS
- D2.0 HYDRANT & CULVERT DETAILS



- GENERAL NOTES:
- ALL IMPROVEMENTS SHALL BE CONSTRUCTED IN STRICT ACCORDANCE WITH THE MARIPOSA COUNTY PUBLIC WORKS IMPROVEMENT STANDARDS AND/OR THE CBC AND/OR THE 2018 CALTRANS STANDARD PLANS AND SPECIFICATIONS.
 - IT IS INTENDED THAT THESE PLANS AND THE SPECIFICATIONS REQUIRE ALL LABOR AND MATERIALS NECESSARY AND PROPER FOR THE WORK CONTEMPLATED BE PROVIDED AND THAT THE WORK BE COMPLETED IN ACCORDANCE WITH THEIR TRUE INTENT AND PURPOSE. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY REGARDING ANY DISCREPANCIES OR AMBIGUITIES THAT MAY EXIST IN THE PLANS OR SPECIFICATIONS. THE ENGINEER'S INTERPRETATION OR CORRECTION THEREOF SHALL BE CONCLUSIVE.
 - WHERE THE PLANS OR SPECIFICATIONS DESCRIBE PORTIONS OF THE WORK IN GENERAL TERMS BUT NOT IN COMPLETE DETAIL, IT IS UNDERSTOOD THAT ONLY THE BEST GENERAL PRACTICE IS TO PREVAIL AND THAT ONLY MATERIALS AND WORKMANSHIP OF THE FIRST QUALITY ARE TO BE USED.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS AND LICENSES REQUIRED FOR THE CONSTRUCTION AND COMPLETION OF THE PROJECT.
 - THE CONTRACTOR SHALL EXERCISE DUE CAUTION AND SHALL CAREFULLY PRESERVE BENCH MARKS, REFERENCE POINTS AND ALL SURVEY STAKES, AND SHALL BEAR ALL EXPENSES FOR REPLACEMENT AND/OR ERRORS CAUSED BY THEIR UNNECESSARY LOSS OR DISTURBANCE.
 - THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY MATERIAL AND LABOR COSTS DUE TO FIELD CHANGES MADE WITHOUT WRITTEN AUTHORIZATION FROM THE COUNTY ENGINEER.
 - THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, BARRICADES, SIGNS, FLAGMEN OR OTHER DEVICES NECESSARY FOR PUBLIC SAFETY.
 - ALL STATIONS REFER TO DISTANCES ALONG STREET CENTERLINE, PERPENDICULAR TO OR OPPOSITE CENTERLINE STATIONS, UNLESS OTHERWISE NOTED.
 - ALL EXISTING UTILITIES, INCLUDING OVERHEAD LINES SHOWN ON PLANS ARE APPROXIMATE LOCATION. THE CONTRACTOR SHALL CHECK THE UTILITY COMPANIES AND VERIFY ALL UTILITY LOCATIONS. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO PROTECT ALL EXISTING UTILITIES SO THAT NO DAMAGE RESULTS TO THEM DURING THE PERFORMANCE OF HIS CONTRACT. THE CONTRACTOR SHALL BE REQUIRED TO COOPERATE WITH OTHER CONTRACTORS AND UTILITY COMPANIES INSTALLING NEW STRUCTURES, UTILITIES AND SERVICE.
 - PRIOR TO COMMENCING ANY WORK, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE EACH UTILITY COMPANY LOCATE IN THE FIELD THEIR MAIN AND SERVICE LINES. THE CONTRACTOR SHALL NOTIFY MEMBERS OF THE UNDERGROUND SERVICE ALERT (U.S.A.) 48 HOURS IN ADVANCE OF PERFORMING EXCAVATION WORK BY CALLING THE TOLL FREE NUMBER 811.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING IMPROVEMENTS FROM DAMAGE. THE COST OF REPLACING EXISTING IMPROVEMENTS SHALL BE INCLUDED IN THE VARIOUS CONTRACT UNIT PRICES.
 - CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE COUNTY AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE COUNTY OR THE ENGINEER.
 - EXCAVATIONS OF 5 FEET OR MORE IN DEPTH WILL REQUIRE AN EXCAVATION PERMIT. FOR TRENCHES 5 FEET OR MORE IN DEPTH, THE CONTRACTOR SHALL COMPLY WITH SECTION 7-1.02(k)(b) OF THE CALTRANS STANDARDS, SECTION 8705 OF THE STATE OF CALIFORNIA LABOR CODE, AND ANY LOCAL CODES OR ORDINANCES.
 - THE CONTRACTOR'S ATTENTION IS DIRECTED TO: SECTION 1540 (a) (1) OF THE CONSTRUCTION ORDERS (TITLE 8 CALIFORNIA ADMINISTRATION CODE SECTION 1540), ISSUED BY THE OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD PURSUANT TO THE CALIFORNIA OCCUPATIONS SAFETY AND HEALTH ACT OF 1973 AS AMENDED WHICH STATES: (A) 'PRIOR TO OPENING AN EXCAVATION, EFFORT SHALL BE MADE TO DETERMINE WHETHER UNDERGROUND INSTALLATIONS, I.E., SEWER, WATER, FUEL, ELECTRIC LINES, ETC., WILL BE ENCOUNTERED AND IF SO, WHERE SUCH UNDERGROUND INSTALLATIONS ARE LOCATED. WHEN THE EXCAVATION APPROACHES THE APPROXIMATE LOCATION OF SUCH AN INSTALLATION, THE EXACT LOCATION SHALL BE DETERMINED BY CAREFUL PROBING OR HAND DIGGING, AND, WHEN IT IS UNCOVERED, ADEQUATE PROTECTION SHALL BE PROVIDED FOR THE EXISTING INSTALLATION. ALL KNOWN OWNERS OF UNDERGROUND FACILITIES IN THE AREA CONCERNED SHALL BE ADVISED OF PROPOSED WORK AT LEAST 48 HOURS PRIOR TO THE START OF ACTUAL EXCAVATION'.
 - ALL WORK WITHIN THE RIGHT-OF-WAY IS SUBJECT TO THE APPROVAL AND ACCEPTANCE BY THE COUNTY.
 - APPROPRIATE DUST CONTROL SHALL BE PROVIDED, AT THE CONTRACTOR'S EXPENSE TO MINIMIZE ANY DUST NUISANCE. DUST CONTROL SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE COUNTY AND/OR DISTRICT AIR BOARD.
 - NO PRODUCTS CONTAINING ASBESTOS WILL BE PERMITTED ON THE JOB.

- HAZARDOUS MATERIALS
- SHOULD CONTRACTOR OR ANY OTHER PARTY ENCOUNTER HAZARDOUS MATERIALS ON THE JOB SITE OR SHOULD IT IN ANY OTHER WAY BECOME KNOWN THAT SUCH MATERIALS ARE PRESENT OR MAY BE PRESENT ON THE JOB SITE OR ANY ADJACENT OR NEARBY AREAS WHICH MAY AFFECT THIS PROJECT, CONTRACTOR SHALL TERMINATE WORK ON THE PROJECT UNTIL SUCH TIME AS COUNTY RETAINS A SPECIALIST CONTRACTOR TO ABATE AND/OR REMOVE THE ASBESTOS AND/OR REMOVE THE ASBESTOS AND/OR HAZARDOUS WASTE MATERIALS AND WARRANT THAT THE JOB SITE IS FREE FROM ANY HAZARD WHICH MAY RESULT FROM THE EXISTENCE OF SUCH MATERIALS.

- PRESERVATION OF PROPERTY AND SURVEY MONUMENTATION
- TREES AND SHRUBBERY THAT ARE NOT TO BE REMOVED, POLE LINES, FENCES, SIGNS, SURVEY MARKERS AND MONUMENTS, BUILDINGS, STRUCTURES, CONDUITS, PIPELINES, ALL STREET FACILITIES AND ANY OTHER IMPROVEMENTS OR FACILITIES WITHIN OR ADJACENT TO THE STREET OR CONSTRUCTION AREA SHALL BE PROTECTED FROM INJURY OR DAMAGE.
 - THE CONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN SAFEGUARDS SUCH AS PROTECTIVE FENCING OR OTHER SUITABLE BARRIERS APPROVED BY THE COUNTY ENGINEER TO PROTECT SUCH OBJECTS FROM INJURY OR DAMAGE. INJURED OR DAMAGED OBJECTS BY CONTRACTOR'S OPERATION OR DAMAGE BY PUBLIC DUE TO LACK OF CONTRACTOR'S PROPER PROTECTION SHALL BE REPLACED OR RESTORED IN-KIND AT THE CONTRACTOR'S EXPENSE.
 - LOCATION OF ALL SURVEY MARKERS AND MONUMENTS SHALL BE ESTABLISHED BY A LICENSED SURVEYOR PRIOR TO DISTURBANCE. ANY SURVEY MARKERS OR MONUMENTS THAT HAVE BEEN DISTURBED OR REMOVED SHALL BE REPLACED WITH NEW SURVEY MARKERS OR MONUMENTS BY A LICENSED LAND SURVEYOR AT THE END OF THE PROJECT. ALL COSTS ASSOCIATED SHALL BE INCLUDED IN THE BID ITEM 'MONUMENTATION'.
 - NEWLY ESTABLISHED SURVEY MARKERS AND MONUMENTS ARE TO BE RECORDED WITH THE COUNTY AND ALL COSTS ASSOCIATED SHALL BE INCLUDED IN THE BID ITEM 'MONUMENTATION'.

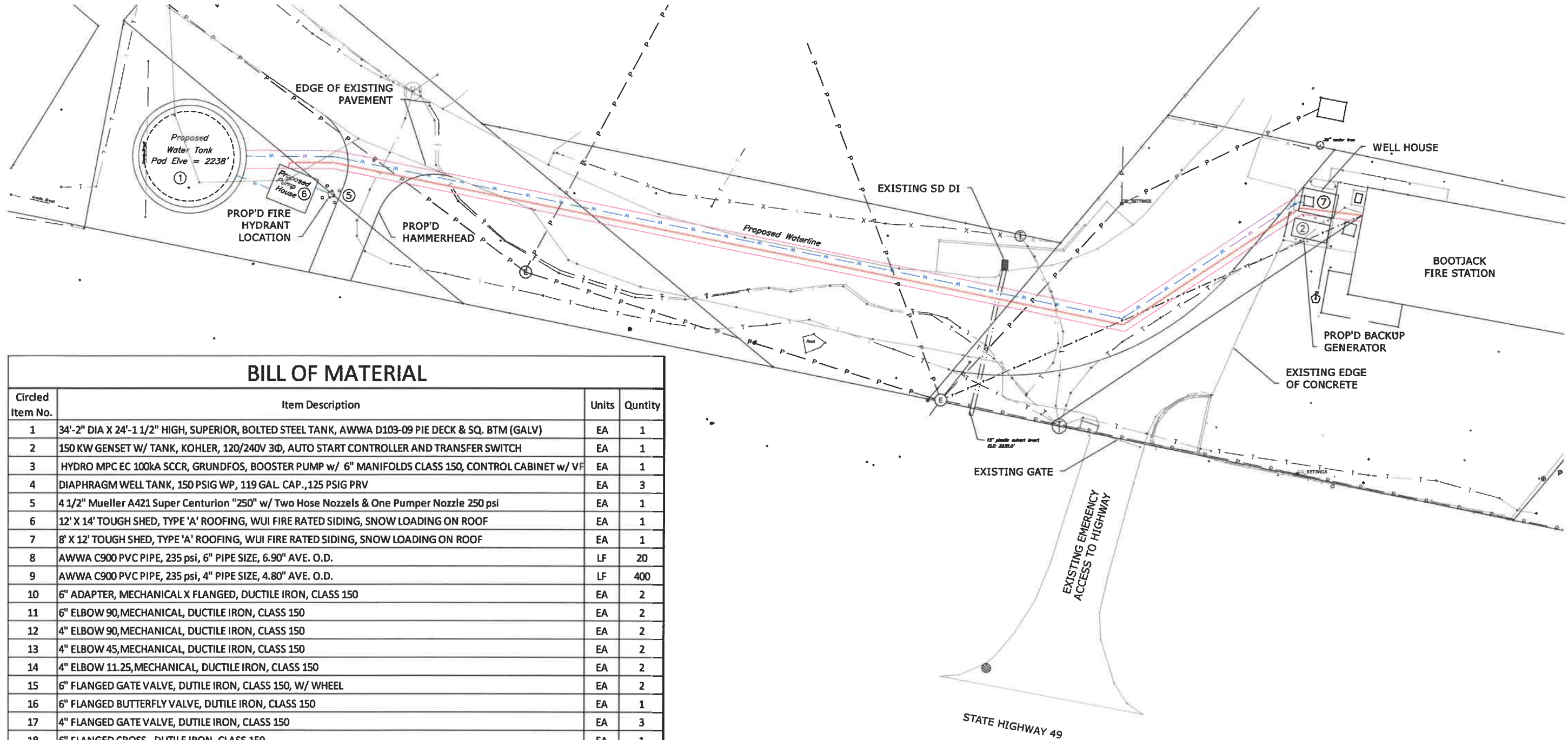


ALL WORK IS ON COUNTY-OWNED PROPERTY

APPROVED: _____ DATE _____
GARY BROWN, PE
COUNTY ENGINEER

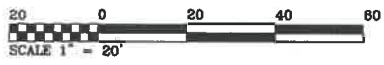
REVISIONS	BY
COUNTY OF MARIPOSA DEPARTMENT OF PUBLIC WORKS 4639 BEN HUR ROAD MARIPOSA, CA 95338 (209)966-6356	
PROJECT NO. 0150-2103	
DATE: 11/16/2020	
AS NOTED	
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TITLE SHEET
HAZARD MITIGATION - WATER STORAGE TANK



BILL OF MATERIAL

Circled Item No.	Item Description	Units	Quantity
1	34'-2" DIA X 24'-1 1/2" HIGH, SUPERIOR, BOLTED STEEL TANK, AWWA D103-09 PIE DECK & SQ. BTM (GALV)	EA	1
2	150 KW GENSET W/ TANK, KOHLER, 120/240V 3Ø, AUTO START CONTROLLER AND TRANSFER SWITCH	EA	1
3	HYDRO MPC EC 100ka SCCR, GRUNDFOS, BOOSTER PUMP w/ 6" MANIFOLDS CLASS 150, CONTROL CABINET w/ VF	EA	1
4	DIAPHRAGM WELL TANK, 150 PSIG WP, 119 GAL. CAP., 125 PSIG PRV	EA	3
5	4 1/2" Mueller A421 Super Centurion "250" w/ Two Hose Nozzels & One Pumper Nozzle 250 psi	EA	1
6	12' X 14' TOUGH SHED, TYPE 'A' ROOFING, WUI FIRE RATED SIDING, SNOW LOADING ON ROOF	EA	1
7	8' X 12' TOUGH SHED, TYPE 'A' ROOFING, WUI FIRE RATED SIDING, SNOW LOADING ON ROOF	EA	1
8	AWWA C900 PVC PIPE, 235 psi, 6" PIPE SIZE, 6.90" AVE. O.D.	LF	20
9	AWWA C900 PVC PIPE, 235 psi, 4" PIPE SIZE, 4.80" AVE. O.D.	LF	400
10	6" ADAPTER, MECHANICAL X FLANGED, DUCTILE IRON, CLASS 150	EA	2
11	6" ELBOW 90, MECHANICAL, DUCTILE IRON, CLASS 150	EA	2
12	4" ELBOW 90, MECHANICAL, DUCTILE IRON, CLASS 150	EA	2
13	4" ELBOW 45, MECHANICAL, DUCTILE IRON, CLASS 150	EA	2
14	4" ELBOW 11.25, MECHANICAL, DUCTILE IRON, CLASS 150	EA	2
15	6" FLANGED GATE VALVE, DUTILE IRON, CLASS 150, W/ WHEEL	EA	2
16	6" FLANGED BUTTERFLY VALVE, DUTILE IRON, CLASS 150	EA	1
17	4" FLANGED GATE VALVE, DUTILE IRON, CLASS 150	EA	3
18	6" FLANGED CROSS, DUTILE IRON, CLASS 150	EA	1
19	6" X 4" FLANGED CONCENTRIC REDUCER, DUTILE IRON, CLASS 150	EA	3
20	6" FLANGED TEE, DUTILE IRON, CLASS 150	EA	2
21	6" FLANGED WELD NECK FLANGE, CARBON STEEL, CLASS 150	EA	10
22	6" FLANGED BUTTERFLY VALVE, DUTILE IRON, CLASS 150	EA	2
23	6" X 21' PIPE, A53 GR.B DUTILE IRON, 0.28" W.T., SCHEDULE 40	EA	2
24	4" X 21' PIPE, A53 GR.B DUTILE IRON, 0.28" W.T., SCHEDULE 40	EA	2
25	4" FLANGED ELBOW 90, DUTILE IRON, CLASS 150	EA	2
26	4" FLANGED, THREADED FLANGE, DUTILE IRON, CLASS 150	EA	1
27	4" X 3 1/2" NIPPLE, THREADED, DUTILE IRON, CLASS 150	EA	1
28	4" FNPT INLET, DIXON TWO WAY MALE OUTLET, CAST BRASS, (2) 2-1/2" MNST (NH) OUTLET	EA	1
29	4" X 3" FLANGED CONCENTRIC REDUCER, DUTILE IRON, CLASS 150	EA	2
30	3" FLANGED, THREADED FLANGE, DUTILE IRON, CLASS 150	EA	1
31	3" X 3" NIPPLE, THREADED, DUTILE IRON, CLASS 150	EA	1
32	3" FLANGED, BLIND FLANGE, DUTILE IRON, CLASS 150	EA	1
33	3" FNPT INLET, DIXON MALE OUTLET, CAST BRASS, 2-1/2" MNST (NH) OUTLET	EA	1
34	2-1/2" FNST CAP, DIXON DOMESTIC LUG CAP, CAST BRASS, W/ RETAINER CHAIN	EA	3
35	6" FLANGED, ELECTROMAGNETIC FLOW METER & TOTALIZER	EA	1



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BY

COUNTY OF MARIPOSA
DEPARTMENT OF PUBLIC WORKS
4839 BEN HUR ROAD
MARIPOSA, CA 95338 (209)966-5356

PROJECT NO.

0150-2103

DATE: 11/16/2020

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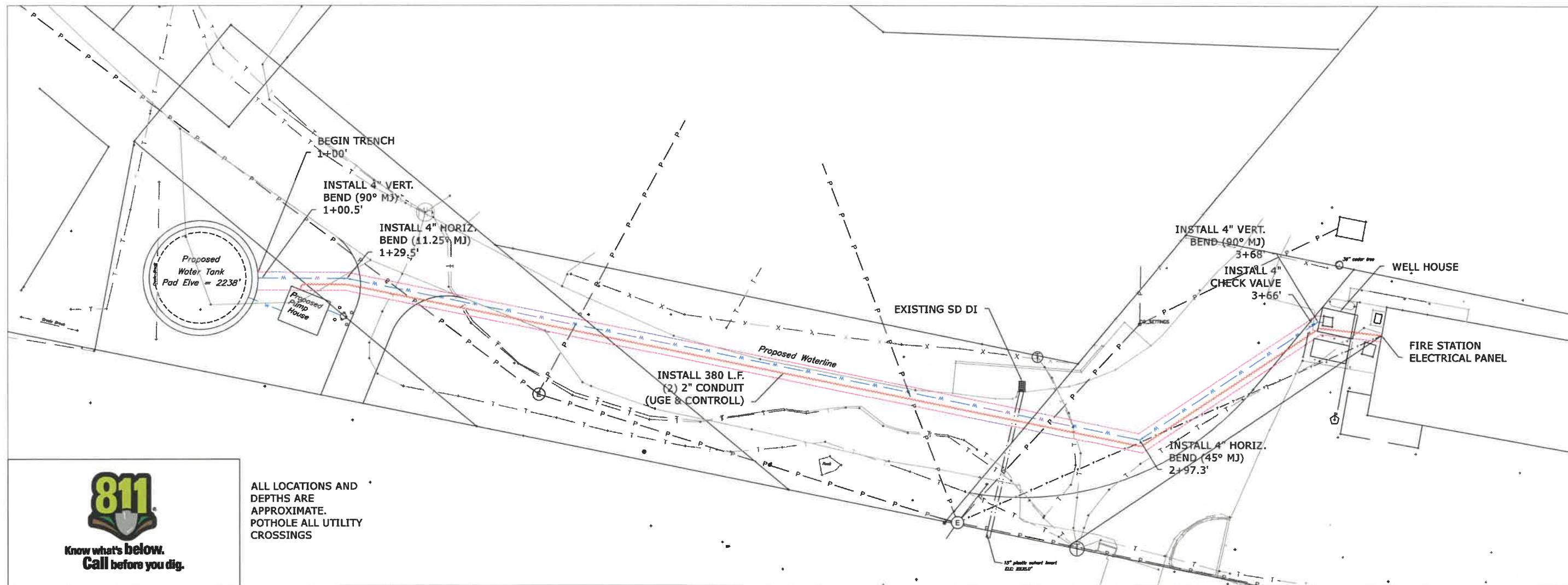
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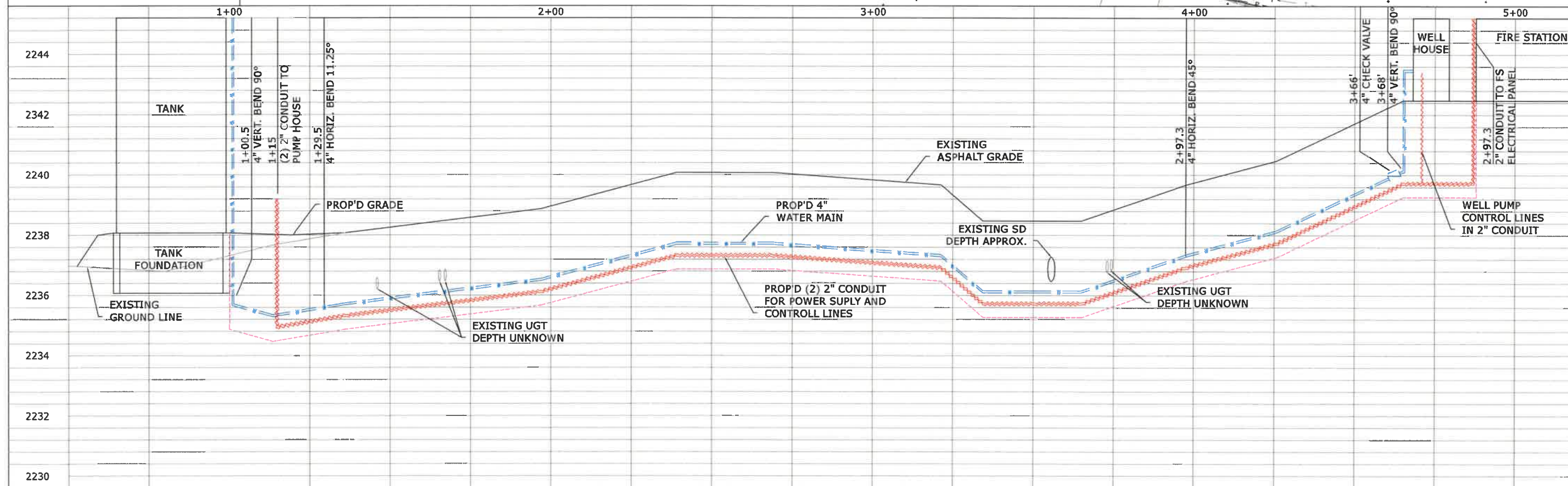
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BOOTJACK FIRE STATION SITE PLAN

HAZARD MITIGATION - WATER STORAGE TANK



ALL LOCATIONS AND DEPTHS ARE APPROXIMATE. POT HOLE ALL UTILITY CROSSINGS



REVISIONS BY

COUNTY OF MARIPOSA
DEPARTMENT OF PUBLIC WORKS
4639 BEN HUR ROAD
MARIPOSA, CA 95338 (209)966-5356

TANK & PUMP DETAILS HAZARD MITIGATION - WATER STORAGE TANKS

PROJECT NO.

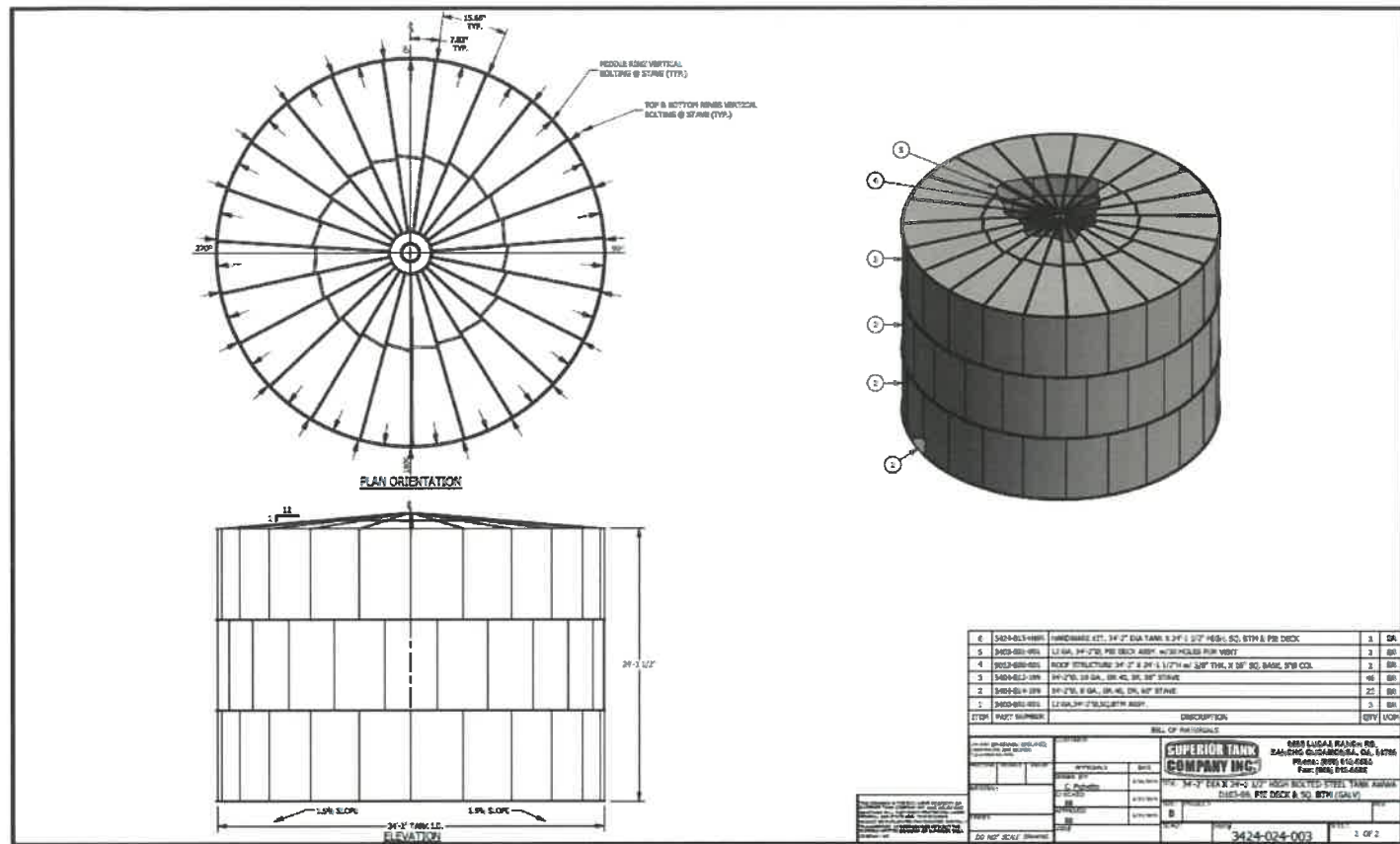
0150-2103

DATE: 11/16/2020

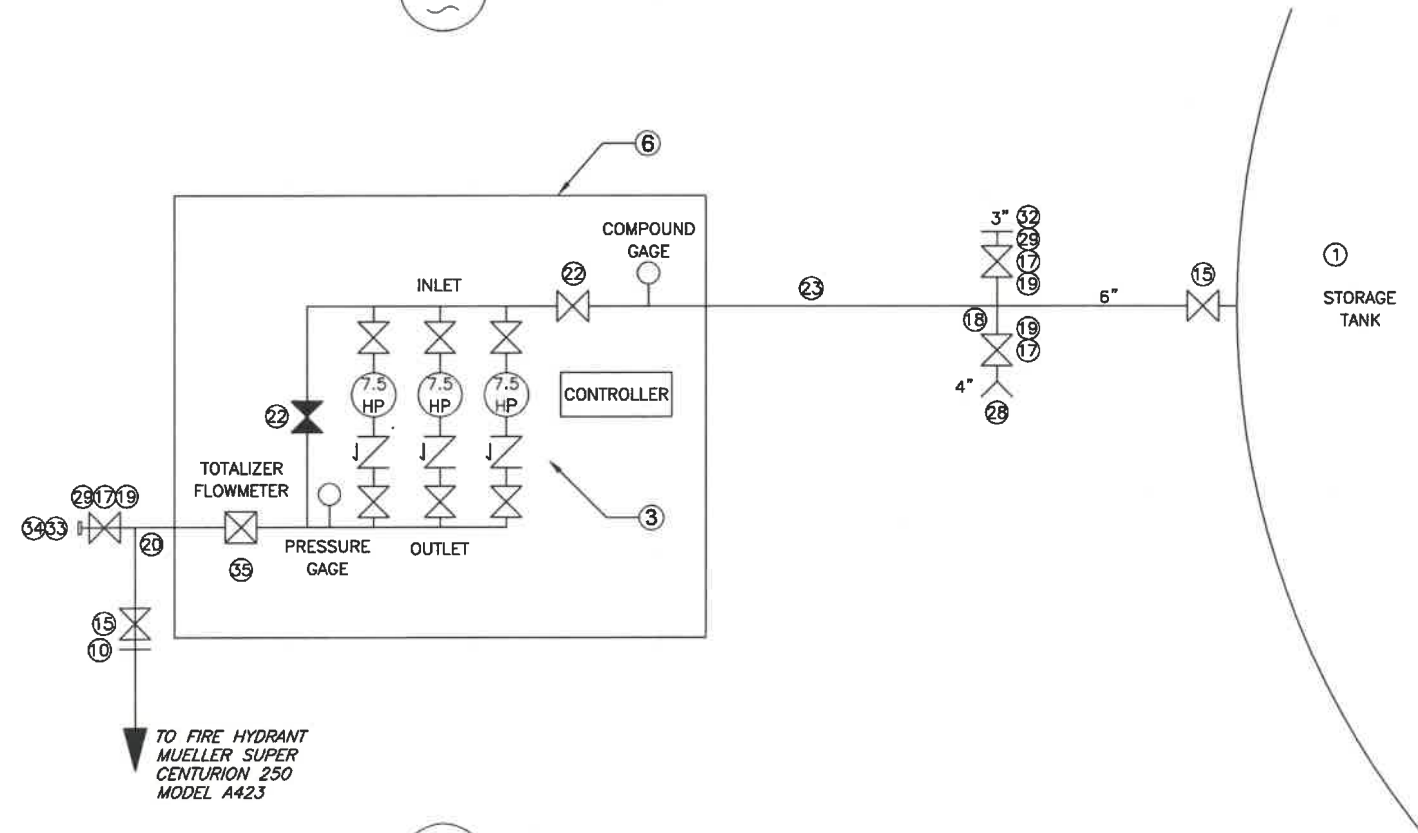
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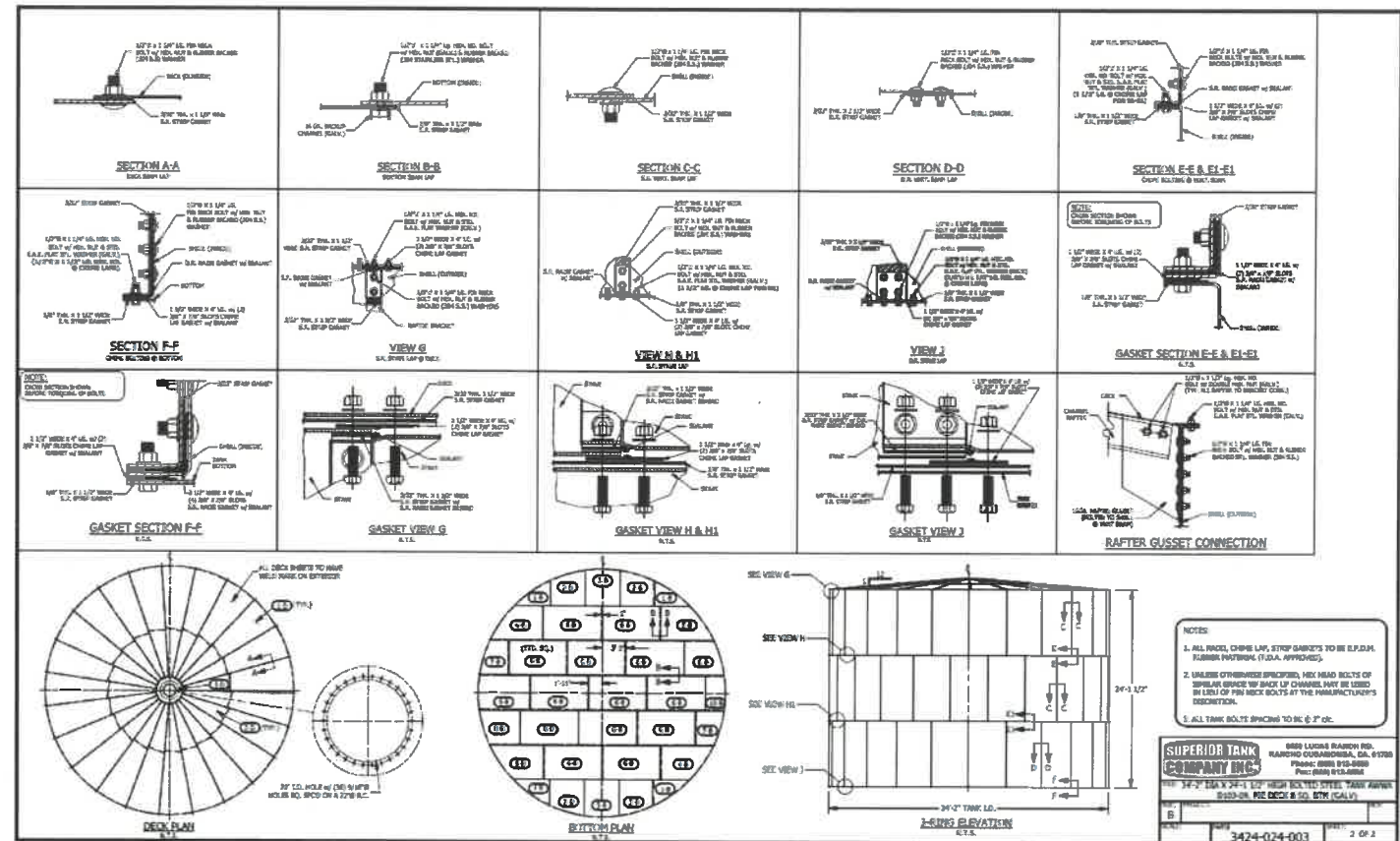
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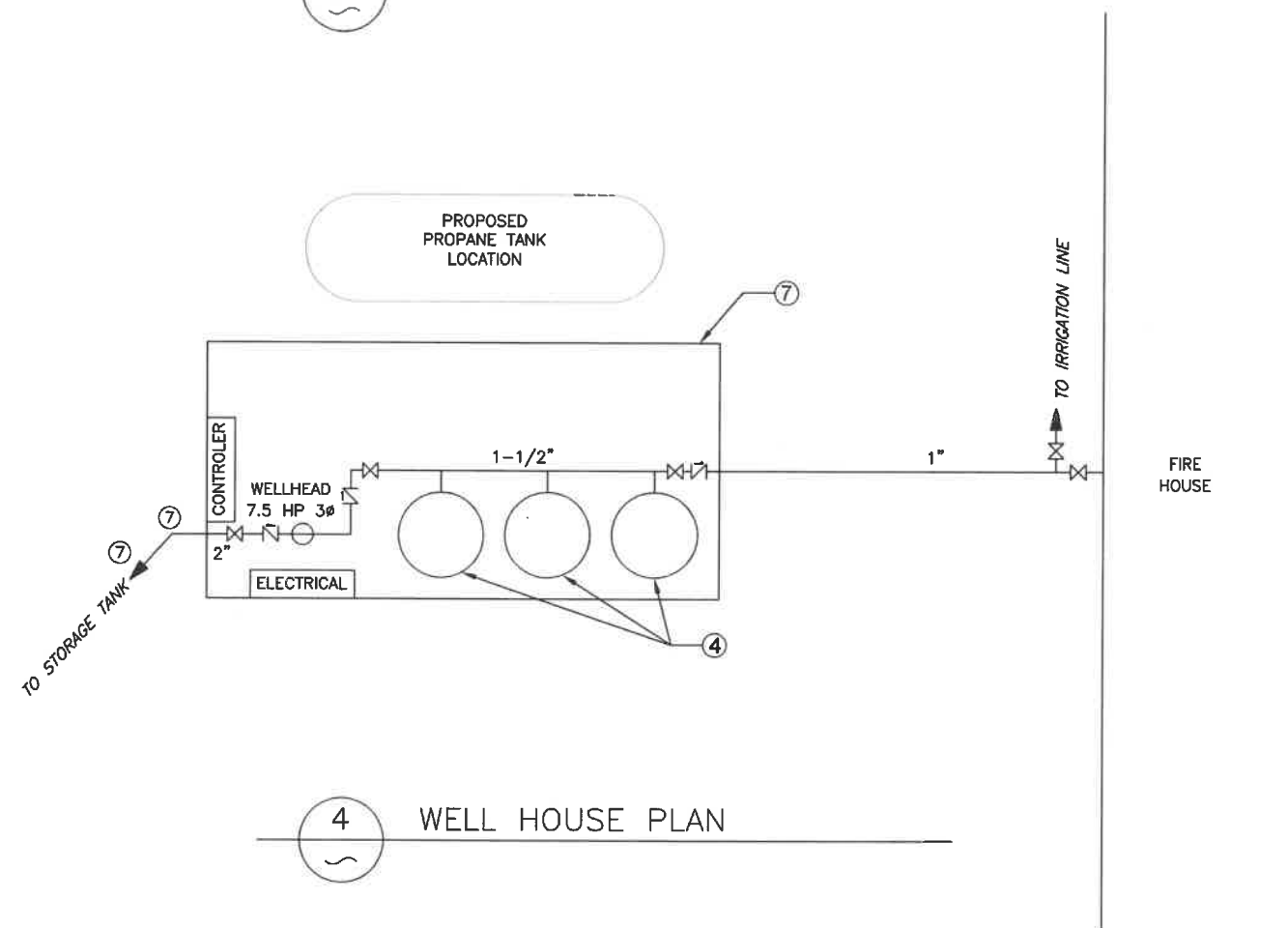
1 STORAGE TANK CONSTRUCTION PLAN



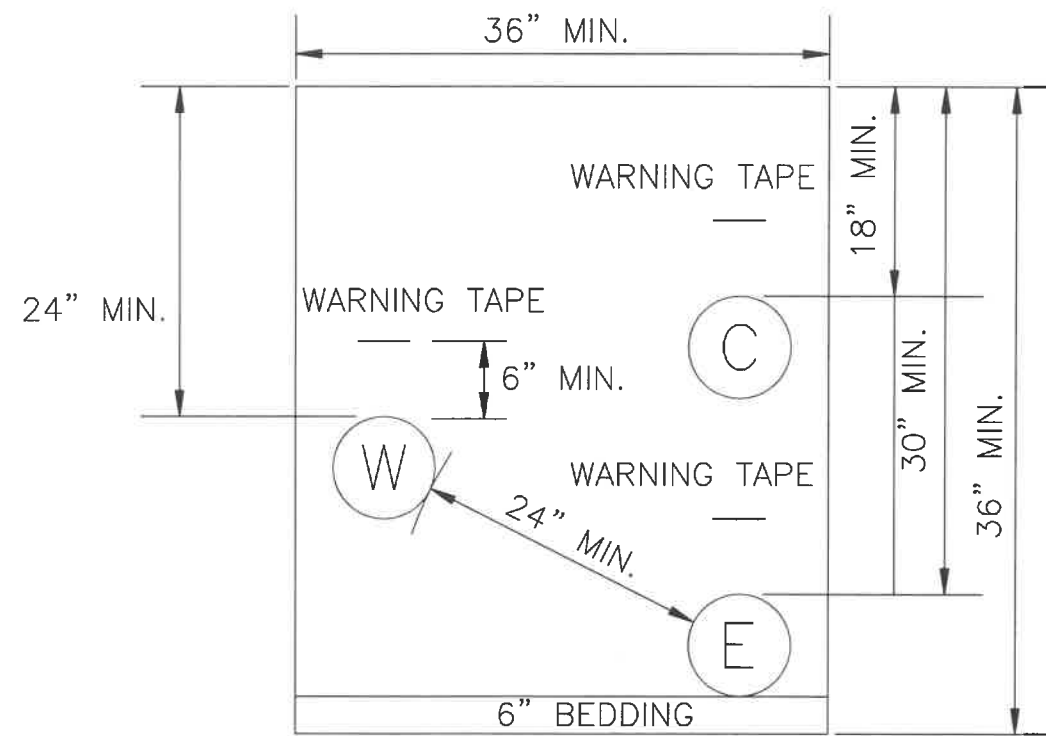
3 PUMP HOUSE PLAN



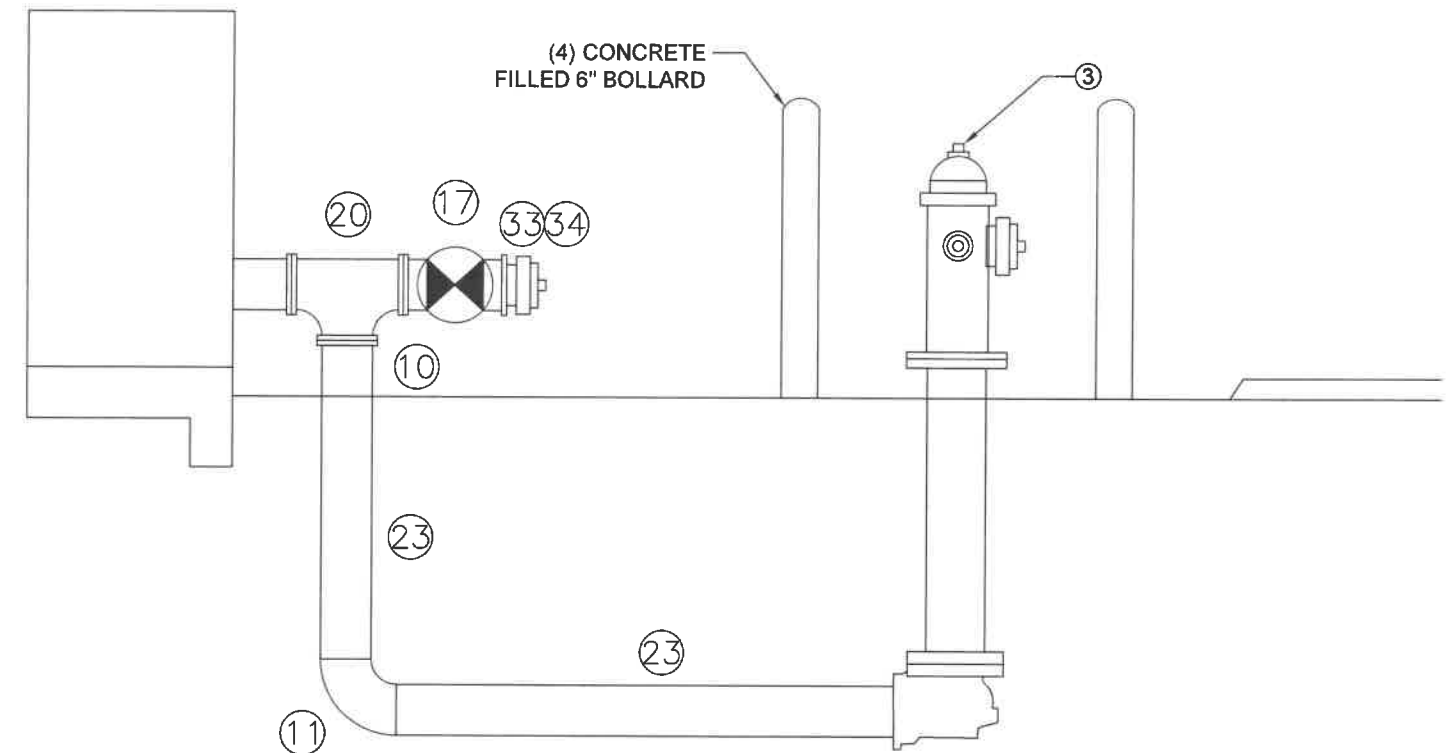
2 STORAGE TANK CONSTRUCTION DETAILS



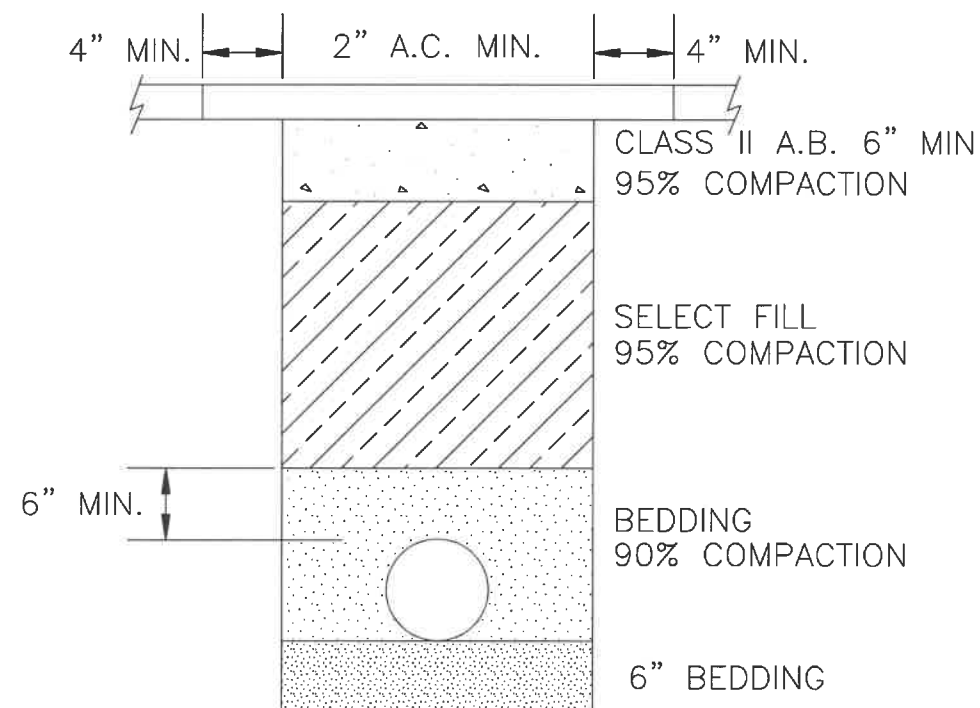
4 WELL HOUSE PLAN



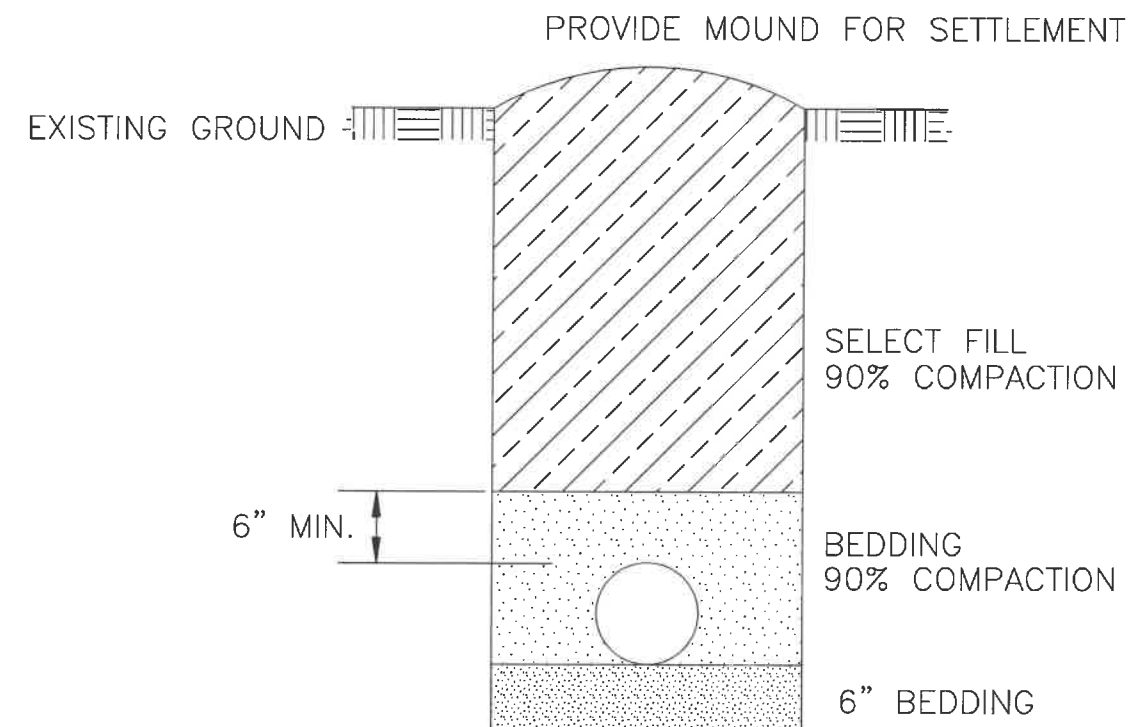
1 TRENCH CONDUIT SECTION



2 FIRE HYDRANT SECTION



3 TYPICAL TRENCH SECTION IN PAVED AREAS



4 TYPICAL TRENCH SECTION IN R/W

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COUNTY OF MARIPOSA
DEPARTMENT OF PUBLIC WORKS
4639 BEN HUR ROAD
MARIPOSA, CA 95338 (209)966-5356

HYDRANT & CULVERT SECTIONS
HAZARD MITIGATION - WATER STORAGE TANKS

PROJECT NO.
0150-2103
DATE: 11/16/2020
AS NOTED
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OF 10



Wage Library
Quick Search
Search Wizard

FLC Wage Results [New Quick Search](#) [New Search Wizard](#)

You selected the All Industries database for 7/2020 - 6/2021.

Your search returned the following: [Print Format](#)

Area Code: 600006
Area Title: Eastern Sierra-Mother Lode Region of California
nonmetropolitan area
OES/SOC Code: 17-3012
OES/SOC Title: Electrical and Electronics Drafters
GeoLevel: 2
Level 1 Wage: \$19.81 hour - \$41,205 year
Level 2 Wage: \$25.15 hour - \$52,312 year
Level 3 Wage: \$30.49 hour - \$63,419 year
Level 4 Wage: \$35.83 hour - \$74,526 year
Mean Wage (H-2B): \$30.49 hour - \$63,419 year

This wage applies to the following O*Net occupations:

17-3012.00 Electrical and Electronics Drafters

Prepare wiring diagrams, circuit board assembly diagrams, and layout drawings used for the manufacture, installation, or repair of electrical equipment.

[O*Net™ JobZone: NA](#)

[Education & Training Code: No Level Set](#)

17-3012.01 Electronic Drafters

Draw wiring diagrams, circuit board assembly diagrams, schematics, and layout drawings used for manufacture, installation, and repair of electronic equipment.

[O*Net™ JobZone: 3](#)

[Education & Training Code: No Level Set](#)

17-3012.02 Electrical Drafters

Develop specifications and instructions for installation of voltage transformers, overhead or underground cables, and related electrical equipment used to conduct electrical energy from transmission lines or high-voltage distribution lines to consumers.

[O*Net™ JobZone: 3](#)

[Education & Training Code: No Level Set](#)

For information on determining the proper occupation and wage level see the new Prevailing Wage Guidance on the [Skill Level page](#).

The prevailing wage must be at, or above the federal or state or local minimum wage, whichever is higher. The federal minimum wage is \$7.25/hr effective July 24, 2009.

**Case Disclosure
Data Archive**

H1B Data
H2A Data
H2B Data
Perm Data

Also available:
File Archive

Skill Level
Explanation

SVP Explanation

**FLC Wage Data
updated
July 1, 2020**

**Job Zones updated
July 1, 2020**
See change
history

**Technical Support
& Help FAQ page.**



Wage Library
Quick Search
Search Wizard

FLC Wage Results [New Quick Search](#) [New Search Wizard](#)

You selected the All Industries database for 7/2020 - 6/2021.

Your search returned the following: [Print Format](#)

Area Code: 600006
Area Title: Eastern Sierra-Mother Lode Region of California
nonmetropolitan area
OES/SOC Code: 47-2111
OES/SOC Title: Electricians
GeoLevel: 1
Level 1 Wage: \$21.56 hour - \$44,845 year
Level 2 Wage: \$28.25 hour - \$58,760 year
Level 3 Wage: \$34.94 hour - \$72,675 year
Level 4 Wage: \$41.63 hour - \$86,590 year
Mean Wage (H-2B): \$34.94 hour - \$72,675 year

This wage applies to the following O*Net occupations:

47-2111.00 Electricians

Install, maintain, and repair electrical wiring, equipment, and fixtures. Ensure that work is in accordance with relevant codes. May install or service street lights, intercom systems, or electrical control systems.
[O*Net™ JobZone: 3](#)
[Education & Training Code: No Level Set](#)

For information on determining the proper occupation and wage level see the new Prevailing Wage Guidance on the [Skill Level](#) page.

The prevailing wage must be at, or above the federal or state or local minimum wage, whichever is higher. The federal minimum wage is \$7.25/hr effective July 24, 2009.

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Data Archive**

H1B Data
H2A Data
H2B Data
Perm Data

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File Archive

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Explanation

SVP Explanation

**FLC Wage Data
updated
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**Job Zones updated
July 1, 2020**
See change
history

**Technical Support
& Help** [FAQ page](#).



Wage Library
[Quick Search](#)
[Search Wizard](#)

FLC Wage Results [New Quick Search](#) [New Search Wizard](#)

You selected the All Industries database for 7/2020 - 6/2021.

Your search returned the following: [Print Format](#)

Area Code: 600006
Area Title: Eastern Sierra-Mother Lode Region of California
nonmetropolitan area
OES/SOC Code: 47-3013
OES/SOC Title: Helpers--Electricians
GeoLevel: 2
Level 1 Wage: \$14.17 hour - \$29,474 year
Level 2 Wage: \$16.22 hour - \$33,738 year
Level 3 Wage: \$18.27 hour - \$38,002 year
Level 4 Wage: \$20.32 hour - \$42,266 year
Mean Wage (H-2B): \$18.27 hour - \$38,002 year

This wage applies to the following O*Net occupations:

47-3013.00 Helpers--Electricians

Help electricians by performing duties requiring less skill. Duties include using, supplying or holding materials or tools, and cleaning work area and equipment.

[O*Net™ JobZone: 2](#)

[Education & Training Code: No Level Set](#)

For information on determining the proper occupation and wage level see the new Prevailing Wage Guidance on the [Skill Level page](#).

The prevailing wage must be at, or above the federal or state or local minimum wage, whichever is higher. The federal minimum wage is \$7.25/hr effective July 24, 2009.

**Case Disclosure
Data Archive**

[H1B Data](#)
[H2A Data](#)
[H2B Data](#)
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Also available:
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[Skill Level
Explanation](#)

[SVP Explanation](#)

**FLC Wage Data
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July 1, 2020**

**Job Zones updated
July 1, 2020**
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You selected the All Industries database for 7/2020 - 6/2021.

Your search returned the following: [Print Format](#)

Area Code: [600006](#)
Area Title: Eastern Sierra-Mother Lode Region of California
nonmetropolitan area
OES/SOC Code: 17-2071
OES/SOC Title: Electrical Engineers
GeoLevel: 1
Level 1 Wage: \$38.28 hour - \$79,622 year
Level 2 Wage: \$44.26 hour - \$92,061 year
Level 3 Wage: \$50.24 hour - \$104,499 year
Level 4 Wage: \$56.22 hour - \$116,938 year
Mean Wage (H-2B): \$50.24 hour - \$104,499 year

This wage applies to the following O*Net occupations:

17-2071.00 Electrical Engineers

Research, design, develop, test, or supervise the manufacturing and installation of electrical equipment, components, or systems for commercial, industrial, military, or scientific use.

[O*Net™ JobZone: 4](#)

[Education & Training Code: 5-Bachelor's degree](#)

For information on determining the proper occupation and wage level see the new Prevailing Wage Guidance on the [Skill Level](#) page.

The prevailing wage must be at, or above the federal or state or local minimum wage, whichever is higher. The federal minimum wage is \$7.25/hr effective July 24, 2009.

**Case Disclosure
Data Archive**

H1B Data
H2A Data
H2B Data
Perm Data

[Also available:](#)
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[Skill Level
Explanation](#)

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