



# AGENDA HUGHSON CITY COUNCIL

**City of Hughson  
CITY COUNCIL MEETING  
Hughson City Hall – 7018 Pine Street Hughson, California  
MONDAY, APRIL 22, 2024 – 6:00 P.M.**

**How to participate in, or observe the Meeting:**

- In person in the City Council Chambers and submit public comment when invited during the meeting.
- **Observe only** via YouTube live, by accessing this link:  
[https://www.youtube.com/channel/UC-PwkdlrKoMmOJDzBSodu6A?view\\_as=subscriber](https://www.youtube.com/channel/UC-PwkdlrKoMmOJDzBSodu6A?view_as=subscriber)

**If a technical issue arises with any streaming option, the City Council meeting will continue unless the meeting is being held pursuant to the provisions of Assembly Bill 2449.**

- In addition, recorded City Council meetings are posted on the City’s website the second business day following the meeting. Recorded videos can be accessed with the following link:  
[Upcoming Meetings | Hughson CA](#)

**AMERICANS WITH DISABILITIES ACT/CALIFORNIA BROWN ACT  
NOTIFICATION FOR THE CITY OF HUGHSON**

This Agenda shall be made available upon request in alternative formats to persons with a disability as required by the Americans with Disabilities Act of 1990 (42 U.S.C. Section 12132) and the Ralph M. Brown Act (California Government Code Section 54954.2).

Disabled or Special needs Accommodation: In compliance with the Americans with Disabilities Act, persons requesting a disability related modification or accommodation in order to participate in the meeting and/or if you need assistance to attend or participate in a City Council meeting, please contact the City Clerk’s office at (209) 883-4054. Notification at least 48-hours prior to the meeting will assist the City Clerk in assuring that reasonable accommodations are made to provide accessibility to the meeting.

**CALL TO ORDER:** Mayor George Carr

**ROLL CALL:** Mayor George Carr  
Mayor Pro Tem Randy Crooker  
Councilmember Samuel Rush  
Councilmember Julie Ann Strain  
Councilmember Alan McFadon

**FLAG SALUTE:** Mayor George Carr

**INVOCATION:** Hughson Ministerial Association

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**1. PUBLIC BUSINESS FROM THE FLOOR (No Action Can Be Taken):**

*Please limit presentations to five minutes. If you wish to speak regarding an item on the agenda, you may be asked to defer your remarks until the Council addresses the matter. Pursuant to California Government Code Section 54954.2(a)(3), no action or discussion may be undertaken on any item not appearing on the posted agenda, except that the City Council, or its staff, may briefly respond to comments or questions from members of the public, provide a reference to staff or other resources for factual information, or direct staff to place the issue on a future agenda.*

**2. PRESENTATIONS:**

**2.1:** Proclaim the Month of May as Building Safety Month.

**2.2:** Proclaim May 5-11, 2024, as the 55<sup>th</sup> Annual Professional Municipal Clerks Week.

**3. CONSENT CALENDAR:**

*All items listed on the Consent Calendar are to be acted upon by a single action of the City Council unless otherwise requested by an audience member, or individual Councilmember for special consideration. Otherwise, the recommendation of staff will be accepted and acted upon by roll call vote.*

**3.1:** Approval of the Minutes of the Regular Meeting of April 8, 2024.

**3.2:** Approval of the Warrants Register.

**3.3:** Adoption of Resolution No. 2024-11, Calling and Giving Notice of the Holding of a General Municipal Election on Tuesday, November 5, 2024, for the Election of Certain Officers as Required by the Provisions of the Laws of the State of California Relating to General Law Cities and Requesting Consolidation of the Election with Stanislaus County.

**3.4:** Adoption of Resolution No. 2024-12, Performing the Biennial Review of the City of Hughson's Conflict of Interest Code.

**3.5:** Adoption of Resolution No. 2024-13, Supporting the Approval of the Fiscal Year 2024-2025 Community Development Block Grant (CDBG) and Home Investment Partnership Program (HOME) Annual Action Plan (AAP).

**4. UNFINISHED BUSINESS:** NONE.

**5. PUBLIC HEARING:** NONE.

**6. NEW BUSINESS:**

**6.1:** Authorize City Staff to Release Bid Documents for the Well 8 TCP Mitigation Project.

**7. CORRESPONDENCE: NONE.**

**8. COMMENTS:**

A brief report on notable attendance of a meeting, or conference, or other notable topics of City business shall be made. The Brown Act does not allow for discussion or action of items by the City Council during this time.

**8.1: Staff Reports and Comments:**

- City Manager**
- City Clerk**
- Director of Finance**
- Community Development Director**
- Police Services**
- City Attorney**

**8.2: Council Comments:**

**9. CLOSED SESSION:**

- 9.1: CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION**  
(Paragraph (1) of subdivision (d) of Section 54956.9) Name of case: Souza et al. v. CalPERS; Court of Appeal Case No. C099861

**10. ADJOURNMENT:**

The next City Council meeting is scheduled for May 13, 2024, at 6:00 pm.

| <b><u>AFFIDAVIT OF POSTING</u></b> |                          |
|------------------------------------|--------------------------|
| <b>Date: April 19, 2024</b>        | <b>Time: 2:00 PM</b>     |
| <b>Name: Ashton Gose</b>           | <b>Title: City Clerk</b> |

*In accordance with California Government Code Section 54957.5, any writing or document that is a public record, relates to an open session agenda item, and is distributed less than 72 hours prior to a regular meeting will be made available for public inspection in the office of the City Clerk at Hughson City Hall during normal business hours. If, however, the document or writing is not distributed until the regular meeting to which it relates, then the document or writing will be made available to the public at the location of the meeting, as listed on the agenda.*

**Notice Regarding Non-English Speakers:**

Pursuant to California Constitution Article III, Section IV, establishing English as the official language for the State of California, and in accordance with California Code of Civil Procedures Section 185, which requires proceedings before any State Court to be in English, notice is hereby given that all proceedings before the City of Hughson City Council shall be in English and anyone wishing to address the Council is required to have a translator present who will take an oath to make an accurate translation from any language not English into the English language.

**UPCOMING EVENTS:**

|                    |   |
|--------------------|---|
| <b>April 27-28</b> | ▪ Hughson Fruit and Nut Festival, Downtown Hughson                                      |
| <b>May 4</b>       | ▪ Hughson has Heart, Senior Community Center, 7:00AM                                    |
| <b>May 11</b>      | ▪ Household Hazardous Waste Event, City Hall Parking Lot, 8:00AM                        |
| <b>May 11</b>      | ▪ Hughson Volunteer Fire Department Chicken BBQ, Hughson Fire Station, 4:00PM           |
| <b>May 13</b>      | ▪ City/School/Fire Joint 2+2 Committee Meeting, HUSD Office, 4:30PM                     |
| <b>May 13</b>      | ▪ City Council Meeting, City Council Chambers, 6:00PM                                   |
| <b>May 14</b>      | ▪ Parks, Recreation and Entertainment Commission Meeting, City Council Chambers, 6:00PM |
| <b>May 21</b>      | ▪ Planning Commission Meeting, City Council Chambers, 6:00PM                            |
| <b>May 27</b>      | ▪ <b>Memorial Day – City Hall Closed</b>  |
| <b>May 28</b>      | ▪ Special City Council Meeting, City Council Chambers, 6:00PM                           |

# Proclamation

## Building Safety Month May 2024

**WHEREAS**, our jurisdiction is committed to recognizing that our growth and strength depends on the safety and essential role our homes, buildings, and infrastructure play, both in everyday life and when disasters strike, and;

**WHEREAS**, our confidence in the resilience of these buildings that make up our community is achieved through the devotion of vigilant guardians – building safety and fire prevention officials, architects, engineers, builders, design professionals, laborers, and others in the construction industry – who work year-round to ensure the safe construction of buildings, and;

**WHEREAS**, Building Safety Month is sponsored by the International Code Council to remind the public about the critical role of our communities’ largely unknown protectors of public safety – our local code officials – who assure us of safe, sustainable and affordable buildings that are essential to our prosperity, and;

**WHEREAS**, in observance of Building Safety Month, people all over the world are asked to consider the commitment to improve building safety, resilience and economic investment at home and in the community, and to acknowledge the essential service provided to all of us by local and state building departments, fire prevention bureaus and federal agencies in protecting lives and property.

**NOW, THEREFORE BE IT PROCLAIMED** that the Hughson City Council, do recognize the month of May 2024, as Building Safety Month, and further extend appreciation to our Building Safety Professionals, and to all Building Safety Professionals.

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**GEORGE CARR**  
**MAYOR OF THE CITY OF HUGHSON**  
April 22, 2024



==== CITY OF HUGHSON ====

# Proclamation

## 55th Annual Professional Municipal Clerks Week May 5 - 11, 2024

**WHEREAS**, The Office of the Professional Municipal Clerk, a time honored and vital part of local government exists throughout the world, and

**WHEREAS**, The Office of the Professional Municipal Clerk is the oldest among public servants, and

**WHEREAS**, The Office of the Professional Municipal Clerk provides the professional link between the citizens, the local governing bodies and agencies of government at other levels, and

**WHEREAS**, The Professional Municipal Clerk serves as the information center on functions of local government and community.

**WHEREAS**, Professional Municipal Clerks continually strive to improve the administration of the affairs of the Office of the Professional Municipal Clerk through participation in education programs, seminars, workshops and the annual meetings of their state, provincial, county and international professional organizations.

**WHEREAS**, it is most appropriate that we recognize the accomplishments of the Office of the Professional Municipal Clerk.

**NOW, THEREFORE BE IT PROCLAIMED** that the Hughson City Council, do recognize the week of May 5 through 11, 2024, as Professional Municipal Clerks Week, and further extend appreciation to our Professional Municipal Clerk, and to all Professional Municipal Clerks for the vital services they perform and their exemplary dedication to the communities they represent.

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**GEORGE CARR**  
**MAYOR OF THE CITY OF HUGHSON**  
April 22, 2024





## **CITY COUNCIL AGENDA ITEM NO. 3.1 SECTION 3: CONSENT CALENDAR**

**Meeting Date:** April 22, 2024  
**Subject:** Approval of the City Council Minutes  
**Presented By:** Ashton Gose, City Clerk

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**Staff Recommendation:**

Approve the Minutes of the regular Meeting of April 8, 2024.



# HUGHSON CITY COUNCIL

## MINUTES

**City of Hughson  
REGULAR CITY COUNCIL MEETING  
Hughson City Hall – 7018 Pine Street  
Hughson, California  
MONDAY, APRIL 8, 2024 – 6:00 P.M.**

**CALL TO ORDER:** Mayor Pro Tem Randy Crooker

**ROLL CALL:**

**Present:** Mayor Pro Tem Randy Crooker  
Councilmember Julie Ann Strain  
Councilmember Alan McFadon  
Councilmember Samuel Rush

**Absent:** Mayor George Carr

**Staff Present:** Ashton Gose, City Clerk  
Tom Terpstra, Deputy City Attorney  
Carla Jauregui, Community Development Director  
Kim Weimer, Director of Finance and Admin Services  
Jose Vasquez, Public Works Superintendent  
Sarah Chavarin, Accounting Manager  
Danielle Perez, Accounting Technician  
Andraya Plascencia, Customer Service Clerk

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**1. PUBLIC BUSINESS FROM THE FLOOR (No Action Taken):**

**Hughson resident Mohamed Rashid introduced himself to the City Council.**

Marie Alvarado-Gil Senior District Representative Narinder Bahia provided a legislative update for the City Council.

2. **PRESENTATIONS:**

2.1: Proclaim April 21-27, 2024, as Administrative Professionals Week.

No reportable action.

3. **CONSENT CALENDAR:**

3.1: Approval of the Minutes of the Regular Meeting of March 25, 2024.

3.2: Approval of the Warrants Register.

**CROOKER/STRAIN 4-0-0-1 motion passes to approve the Consent Calendar as presented, with the following roll call vote:**

|                |             |               |                |             |
|----------------|-------------|---------------|----------------|-------------|
| <b>CROOKER</b> | <b>RUSH</b> | <b>STRAIN</b> | <b>McFADON</b> | <b>CARR</b> |
| AYE            | AYE         | AYE           | AYE            | ABSENT      |

4. **UNFINISHED BUSINESS:** NONE.

5. **PUBLIC HEARING:** NONE.

6. **NEW BUSINESS:**

6.1: Adopt Ordinance No. 2024-01, an Urgency Ordinance of the City of Hughson Imposing a Moratorium on All New Smoking Lounges and Smoke Shops Within the City of Hughson.

Deputy City Attorney Terpstra presented the staff report on this item.

Mayor Pro Tem Crooker opened public comment at 6:13pm. There was no public comment. Mayor Pro Tem Crooker closed public comment at 6:13pm.

**STRAIN/McFADON 4-0-0-1 motion passes to adopt Ordinance No. 2024-01, an Urgency Ordinance of the City of Hughson Imposing a Moratorium on All New Smoking Lounges and Smoke Shops Within the City of Hughson, with the following roll call vote:**

|                |             |               |                |             |
|----------------|-------------|---------------|----------------|-------------|
| <b>CROOKER</b> | <b>RUSH</b> | <b>STRAIN</b> | <b>McFADON</b> | <b>CARR</b> |
| AYE            | AYE         | AYE           | AYE            | ABSENT      |

- 6.2: Adopt Resolution No. 2024-10, Approving a Professional Services Agreement with Willdan Financial Services for the Development of a Comprehensive User Fee Study, Cost Allocation Plan, and Development Impact Fee Study.

Director Weimer presented the staff report on this item.

Mayor Pro Tem Crooker opened public comment at 6:18pm. There was no public comment. Mayor Pro Tem Crooker closed public comment at 6:18pm.

**McfADON/STRAIN 4-0-0-1 motion passes to adopt Resolution No. 2024-10, Approving a Professional Services Agreement with Willdan Financial Services for the Development of a Comprehensive User Fee Study, Cost Allocation Plan, and Development Impact Fee Study, and authorize the City Manager to execute an agreement with Willdan Financial Services inclusive of any final edits by the City Attorney, with the following roll call vote:**

| CROOKER | RUSH | STRAIN | McfADON | CARR   |
|---------|------|--------|---------|--------|
| AYE     | AYE  | AYE    | AYE     | ABSENT |

**7. CORRESPONDENCE:**

- 7.1: Annual Air Toxics Report for 2023.

No reportable action.

**8. COMMENTS:**

- 8.1: Staff Reports and/or Comments:

City Clerk Gose provided a reminder regarding two upcoming Hughson has Heart planning meetings, and the Hughson has Heart event.

Director Jauregui informed the City Council that a draft Housing Element has been prepared, that a shade structure installation is complete at Euclid Park, and that utilities staff had been diligently working on deferred utility maintenance.

- 8.2: Council Member Comments:

Councilmember McFadon attended the Hughson Youth Baseball and Softball Opening Day Ceremony on March 30, 2024.

Councilmember Strain thanked staff for their continued hard work.

Mayor Pro Tem Crooker attended a Stanislaus County Economic Development Action Committee meeting on March 27, 2024. He attended the Hughson Youth Baseball and Softball

Opening Day Ceremony on March 30, 2024. He thanked Hughson Police Services for their continued hard work.

9. **CLOSED SESSION TO DISCUSS THE FOLLOWING:** NONE.

10. **ADJOURNMENT:**

Motion passes to adjourn the April 8, 2024, regular meeting at 6:33PM, with the following roll call vote:

|                |             |               |                |             |
|----------------|-------------|---------------|----------------|-------------|
| <b>CROOKER</b> | <b>RUSH</b> | <b>STRAIN</b> | <b>McFADON</b> | <b>CARR</b> |
| AYE            | AYE         | AYE           | AYE            | ABSENT      |

**APPROVED:**

\_\_\_\_\_  
**GEORGE CARR, Mayor**

**ATTEST:**

\_\_\_\_\_  
**ASHTON GOSE, City Clerk**



## **CITY COUNCIL AGENDA ITEM NO. 3.2**

### **SECTION 3: CONSENT CALENDAR**

**Meeting Date:** April 22, 2024  
**Subject:** Approval of Warrants Register  
**Presented By:** Kim Weimer, Director of Finance

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#### **Staff Recommendation:**

Approve the Warrants Register as presented.

#### **Background and Overview:**

The warrants register presented to the City Council is a listing of all expenditures paid from April 4, 2024, through April 15, 2024.

#### **Fiscal Impact:**

There are reductions in various funds for payment of expenses.



Hughson

# Check Report

By Check Number

Date Range: 04/04/2024 - 04/15/2024

| Vendor Number                               | Vendor Name                              | Payment Date | Payment Type                                  | Discount Amount | Payment Amount | Number |
|---|--|--------------|---|-----------------|----------------|--------|
| Payable #                                   | Payable Type                             | Post Date    | Payable Description                           | Discount Amount | Payable Amount |        |
| <b>Bank Code: Payable Bank-Payable Bank</b> |  |              |   |                 |                |        |
| 01257                                       | 1ST SECURITY & SOUND INC                 | 04/04/2024   | Regular                                       | 0.00            | 149.85         | 57893  |
| <a href="#">0236516</a>                     | Invoice                                  | 04/01/2024   | MONITORING                                    | 0.00            | 149.85         |        |
| 00016                                       | ABS PRESORT                              | 04/04/2024   | Regular                                       | 0.00            | 1,681.86       | 57894  |
| <a href="#">135114</a>                      | Invoice                                  | 03/11/2024   | BILL PRINTING- FEB                            | 0.00            | 1,681.86       |        |
| 00032                                       | AFLAC                                    | 04/04/2024   | Regular                                       | 0.00            | 322.45         | 57895  |
| <a href="#">277277</a>                      | Invoice                                  | 04/01/2024   | AFLAC   | 0.00            | 322.45         |        |
| 01603                                       | Amazon Capital Services, Inc.            | 04/04/2024   | Regular                                       | 0.00            | 96.74          | 57896  |
| <a href="#">11NQ-MH9R-M3...</a>             | Invoice                                  | 04/03/2024   | camera brackets                               | 0.00            | 96.74          |        |
| 00109                                       | BADGER METER, INC                        | 04/04/2024   | Regular                                       | 0.00            | 2,338.49       | 57897  |
| <a href="#">80151111</a>                    | Invoice                                  | 04/02/2024   | badger january service                        | 0.00            | 4.68           |        |
| <a href="#">80151747</a>                    | Invoice                                  | 04/02/2024   | February services                             | 0.00            | 2,333.81       |        |
| 00123                                       | BAY ALARM CO                             | 04/04/2024   | Regular                                       | 0.00            | 450.00         | 57898  |
| <a href="#">21278679</a>                    | Invoice                                  | 04/03/2024   | monitoring fire fee                           | 0.00            | 450.00         |        |
| 01817                                       | Black Castle Construction                | 04/04/2024   | Regular                                       | 0.00            | 4,230.00       | 57899  |
| <a href="#">INV-0867</a>                    | Invoice                                  | 04/03/2024   | toilet rentals Frebruary (christian church)   | 0.00            | 4,230.00       |        |
| 00183                                       | C.H. WILLIAMS & SONS INC.                | 04/04/2024   | Regular                                       | 0.00            | 140.00         | 57900  |
| <a href="#">171385</a>                      | Invoice                                  | 04/02/2024   | gas cylinder rentals                          | 0.00            | 140.00         |        |
| 00210                                       | California Building Standards Commission | 04/04/2024   | Regular                                       | 0.00            | 344.70         | 57901  |
| <a href="#">INV0010956</a>                  | Invoice                                  | 04/01/2024   | Green Building Fee's 1st QTR 2024             | 0.00            | 344.70         |        |
| 00258                                       | CENTRAL SANITARY SUPPLY                  | 04/04/2024   | Regular                                       | 0.00            | 2,177.92       | 57902  |
| <a href="#">8715670</a>                     | Invoice                                  | 04/02/2024   | cleaning supplies                             | 0.00            | 2,177.92       |        |
| 00288                                       | CHOICE LIGHTING SUPPLY                   | 04/04/2024   | Regular                                       | 0.00            | 123.79         | 57903  |
| <a href="#">351589</a>                      | Invoice                                  | 03/15/2024   | supplies - building (blanket PO)              | 0.00            | 123.79         |        |
| 00310                                       | CLARK'S PEST CONTROL                     | 04/04/2024   | Regular                                       | 0.00            | 219.00         | 57904  |
| <a href="#">35132575</a>                    | Invoice                                  | 04/02/2024   | PEST CONTROL                                  | 0.00            | 137.00         |        |
| <a href="#">35133336</a>                    | Invoice                                  | 04/02/2024   | PEST CONTROL                                  | 0.00            | 82.00          |        |
| 01538                                       | Colonial Life                            | 04/04/2024   | Regular                                       | 0.00            | 298.75         | 57905  |
| <a href="#">54059070301605</a>              | Invoice                                  | 03/01/2024   | Colonial Life                                 | 0.00            | 298.75         |        |
| 00406                                       | Department of Conservation               | 04/04/2024   | Regular                                       | 0.00            | 1,010.33       | 57906  |
| <a href="#">INV0010955</a>                  | Invoice                                  | 04/01/2024   | SMIP fees collected due to state 1st QTR 2... | 0.00            | 1,010.33       |        |
| 01948                                       | Ernest Beltran                           | 04/04/2024   | Regular                                       | 0.00            | 464.00         | 57907  |
| <a href="#">INV0010954</a>                  | Invoice                                  | 04/02/2024   | Damage Deposit - Beltran                      | 0.00            | 464.00         |        |
| 00462                                       | EWING IRRIGATION PRODUCTS                | 04/04/2024   | Regular                                       | 0.00            | 880.32         | 57908  |
| <a href="#">012472638</a>                   | Invoice                                  | 03/20/2024   | landscape parts/supplies (blanket PO)         | 0.00            | 410.51         |        |
| <a href="#">21748718</a>                    | Invoice                                  | 03/15/2024   | landscape parts/supplies (blanket PO)         | 0.00            | 265.56         |        |
| <a href="#">21748775</a>                    | Invoice                                  | 03/15/2024   | landscape parts/supplies (blanket PO)         | 0.00            | 204.25         |        |
| 00464                                       | EZ NETWORK SYSTEMS, INC.                 | 04/04/2024   | Regular                                       | 0.00            | 7,530.85       | 57909  |
| <a href="#">43945</a>                       | Invoice                                  | 04/01/2024   | IT SERVICES                                   | 0.00            | 600.00         |        |
| <a href="#">43954</a>                       | Invoice                                  | 04/02/2024   | IT SERVICES                                   | 0.00            | 1,195.45       |        |
| <a href="#">TS43898</a>                     | Invoice                                  | 04/01/2024   | IT SERVICES                                   | 0.00            | 5,735.40       |        |
| 00522                                       | GEOANALYTICAL LABORATORIE                | 04/04/2024   | Regular                                       | 0.00            | 6,378.80       | 57910  |

Check Report

Date Range: 04/04/2024 - 04/15/2024

| Vendor Number                  | Vendor Name                                 | Payment Date | Payment Type                                | Discount Amount | Payment Amount | Number |
|--------------------------------|---|--------------|---|-----------------|----------------|--------|
| Payable #                      | Payable Type                                | Post Date    | Payable Description                         | Discount Amount | Payable Amount |        |
| <a href="#">J3K2804</a>        | Invoice                                     | 04/02/2024   | water blanket Geoanalytical                 | 0.00            | 212.00         |        |
| <a href="#">J3L0507</a>        | Invoice                                     | 04/02/2024   | WW Blanket Geoanalytical                    | 0.00            | 65.00          |        |
| <a href="#">K4A0212</a>        | Invoice                                     | 04/02/2024   | WW Blanket Geoanalytical                    | 0.00            | 65.00          |        |
| <a href="#">K4A0213</a>        | Invoice                                     | 04/02/2024   | water blanket Geoanalytical                 | 0.00            | 1,182.00       |        |
| <a href="#">K4A1605</a>        | Invoice                                     | 04/02/2024   | water blanket Geoanalytical                 | 0.00            | 167.00         |        |
| <a href="#">K4A2304</a>        | Invoice                                     | 04/02/2024   | WW Blanket Geoanalytical                    | 0.00            | 65.00          |        |
| <a href="#">K4A2305</a>        | Invoice                                     | 04/02/2024   | water blanket Geoanalytical                 | 0.00            | 220.00         |        |
| <a href="#">K4A3006</a>        | Invoice                                     | 04/02/2024   | water blanket Geoanalytical                 | 0.00            | 254.40         |        |
| <a href="#">K4A3007</a>        | Invoice                                     | 04/02/2024   | WW Blanket Geoanalytical                    | 0.00            | 65.00          |        |
| <a href="#">K4B0600</a>        | Invoice                                     | 04/02/2024   | water blanket Geoanalytical                 | 0.00            | 110.00         |        |
| <a href="#">K4B2909</a>        | Invoice                                     | 04/02/2024   | water blanket Geoanalytical                 | 0.00            | 118.00         |        |
| <a href="#">K4C0413</a>        | Invoice                                     | 04/02/2024   | water blanket Geoanalytical                 | 0.00            | 1,332.00       |        |
| <a href="#">K4C0414</a>        | Invoice                                     | 04/02/2024   | WW Blanket Geoanalytical                    | 0.00            | 219.00         |        |
| <a href="#">K4C0523</a>        | Invoice                                     | 04/02/2024   | WW Blanket Geoanalytical                    | 0.00            | 65.00          |        |
| <a href="#">K4C0524</a>        | Invoice                                     | 04/02/2024   | water blanket Geoanalytical                 | 0.00            | 541.00         |        |
| <a href="#">K4C0619</a>        | Invoice                                     | 04/02/2024   | water blanket Geoanalytical                 | 0.00            | 284.00         |        |
| <a href="#">K4C0711</a>        | Invoice                                     | 04/02/2024   | water blanket Geoanalytical                 | 0.00            | 191.00         |        |
| <a href="#">K4C1815</a>        | Invoice                                     | 04/02/2024   | WW Blanket Geoanalytical                    | 0.00            | 249.00         |        |
| <a href="#">K4C1916</a>        | Invoice                                     | 04/02/2024   | water blanket Geoanalytical                 | 0.00            | 292.80         |        |
| <a href="#">K4C1917</a>        | Invoice                                     | 04/02/2024   | water blanket Geoanalytical                 | 0.00            | 273.00         |        |
| <a href="#">K4C2039</a>        | Invoice                                     | 04/02/2024   | water blanket Geoanalytical                 | 0.00            | 408.60         |        |
| 00528                          | GILTON SOLID WASTE MANAGE                   | 04/04/2024   | Regular                                     | 0.00            | 1,895.07       | 57911  |
| <a href="#">HUGHSS-092</a>     | Invoice                                     | 04/02/2024   | STREET SWEEPING - MARCH                     | 0.00            | 1,895.07       |        |
| 00668                          | JIMENEZ TRUCK AND TIRE RE                   | 04/04/2024   | Regular                                     | 0.00            | 647.09         | 57912  |
| <a href="#">103123-4</a>       | Invoice                                     | 04/03/2024   | tires for UT1                               | 0.00            | 647.09         |        |
| 00879                          | PG & E                                      | 04/04/2024   | Regular                                     | 0.00            | 887.98         | 57913  |
| <a href="#">INV0010953</a>     | Invoice                                     | 03/26/2024   | UTILITIES                                   | 0.00            | 887.98         |        |
| 01885                          | RecruitGigs                                 | 04/04/2024   | Regular                                     | 0.00            | 1,782.00       | 57914  |
| <a href="#">68815</a>          | Invoice                                     | 03/22/2024   | Extra Help - PW                             | 0.00            | 792.00         |        |
| <a href="#">68879</a>          | Invoice                                     | 03/29/2024   | Extra Help - PW                             | 0.00            | 990.00         |        |
| 01633                          | Robert Delarm                               | 04/04/2024   | Regular                                     | 0.00            | 98.00          | 57915  |
| <a href="#">INV0010994</a>     | Invoice                                     | 04/03/2024   | Reimbursement for Class B required for e... | 0.00            | 98.00          |        |
| 01599                          | SMILE BUSINESS PRODUCTS, INC                | 04/04/2024   | Regular                                     | 0.00            | 93.68          | 57916  |
| <a href="#">1187260</a>        | Invoice                                     | 03/22/2024   | COPIES                                      | 0.00            | 93.68          |        |
| 01709                          | The Lincoln National Life Insurance Company | 04/04/2024   | Regular                                     | 0.00            | 534.68         | 57917  |
| <a href="#">4678693779</a>     | Invoice                                     | 04/01/2024   | Life Insurance                              | 0.00            | 534.68         |        |
| 01820                          | Thompson Woolley Builders, Inc              | 04/04/2024   | Regular                                     | 0.00            | 2,795.00       | 57918  |
| <a href="#">I-24-767</a>       | Invoice                                     | 04/02/2024   | Playground cover at Euclid subdivision      | 0.00            | 2,795.00       |        |
| 01176                          | USA BLUE BOOK                               | 04/04/2024   | Regular                                     | 0.00            | 130.04         | 57919  |
| <a href="#">INV00289280</a>    | Invoice                                     | 04/02/2024   | lab supplies                                | 0.00            | 130.04         |        |
| 01264                          | VERIZON WIRELESS                            | 04/04/2024   | Regular                                     | 0.00            | 380.10         | 57920  |
| <a href="#">9960007332</a>     | Invoice                                     | 04/03/2024   | MIFI DEVICES/ CAMERAS                       | 0.00            | 152.04         |        |
| <a href="#">9960007333</a>     | Invoice                                     | 04/03/2024   | MIFI DEVICES/ CAMERAS                       | 0.00            | 228.06         |        |
| 01192                          | VISION SERVICE PLAN                         | 04/04/2024   | Regular                                     | 0.00            | 514.17         | 57921  |
| <a href="#">820111286</a>      | Invoice                                     | 04/01/2024   | MEDICAL INSURANCE WITHHELD- APRIL           | 0.00            | 514.17         |        |
| 01206                          | WARDEN'S OFFICE                             | 04/04/2024   | Regular                                     | 0.00            | 29.11          | 57922  |
| <a href="#">010965-00</a>      | Invoice                                     | 03/26/2024   | MISC OFFICE SUPPLIES                        | 0.00            | 29.11          |        |
| 01220                          | WESTURF INC.                                | 04/04/2024   | Regular                                     | 0.00            | 445.16         | 57923  |
| <a href="#">00010000093176</a> | Invoice                                     | 03/28/2024   | mower blades and parts                      | 0.00            | 445.16         |        |
| 01420                          | CALIFORNIA STATE DISBURSEMENT UNIT          | 04/10/2024   | Regular                                     | 0.00            | 40.12          | 57930  |

Check Report

Date Range: 04/04/2024 - 04/15/2024

| Vendor Number                 | Vendor Name                       | Payment Date | Payment Type                              | Discount Amount | Payment Amount | Number |
|-------------------------------|-----------------------------------|--------------|---|-----------------|----------------|--------|
| Payable #                     | Payable Type                      | Post Date    | Payable Description                       | Discount Amount | Payable Amount |        |
| <a href="#">INV0011027</a>    | Invoice                           | 04/10/2024   | INCOME WITHHOLDING FOR CHILD SUPP...      | 0.00            | 40.12          |        |
| 00049                         | ALLIED ADMINISTRATORS             | 04/11/2024   | Regular                                   | 0.00            | 1,824.66       | 57931  |
| <a href="#">INV0011078</a>    | Invoice                           | 05/01/2024   | DELTA DENTAL                              | 0.00            | 1,824.66       |        |
| 01585                         | Bay City Equipment Industries Inc | 04/11/2024   | Regular                                   | 0.00            | 13,659.09      | 57932  |
| <a href="#">W290937</a>       | Invoice                           | 04/09/2024   | Preventative well8 generator              | 0.00            | 1,303.39       |        |
| <a href="#">W290939</a>       | Invoice                           | 04/09/2024   | preventative Well3 generator              | 0.00            | 557.00         |        |
| <a href="#">W290941</a>       | Invoice                           | 04/09/2024   | preventative WWTP generator               | 0.00            | 514.15         |        |
| <a href="#">W292447</a>       | Invoice                           | 04/09/2024   | major prev well3 gen                      | 0.00            | 2,168.16       |        |
| <a href="#">W292449</a>       | Invoice                           | 04/09/2024   | major prev well4 gen                      | 0.00            | 1,683.17       |        |
| <a href="#">W292641</a>       | Invoice                           | 04/09/2024   | Major prev well8 gen                      | 0.00            | 1,985.25       |        |
| <a href="#">W292671</a>       | Invoice                           | 04/09/2024   | Major prev hatch gen                      | 0.00            | 1,362.30       |        |
| <a href="#">W292937</a>       | Invoice                           | 04/09/2024   | major prev WWTP gen                       | 0.00            | 4,085.67       |        |
| 01280                         | CHRISTINE AGUIAR                  | 04/11/2024   | Regular                                   | 0.00            | 100.00         | 57933  |
| <a href="#">INV0010996</a>    | Invoice                           | 04/05/2024   | Damage Deposit - Aguiar                   | 0.00            | 100.00         |        |
| 00305                         | CITY OF HUGHSON                   | 04/11/2024   | Regular                                   | 0.00            | 2,054.83       | 57934  |
| <a href="#">INV0010997</a>    | Invoice                           | 04/08/2024   | LLDS & STARN PARK                         | 0.00            | 2,054.83       |        |
| 01340                         | DIVISION OF THE STATE ARCHITECT   | 04/11/2024   | Regular                                   | 0.00            | 38.80          | 57935  |
| <a href="#">INV0010995</a>    | Invoice                           | 04/08/2024   | Disability Access & Education Fee 1st Qtr | 0.00            | 38.80          |        |
| 00527                         | GIBBS MAINTENANCE CO              | 04/11/2024   | Regular                                   | 0.00            | 175.00         | 57936  |
| <a href="#">14625</a>         | Invoice                           | 03/31/2024   | JANITOR SERVICES                          | 0.00            | 175.00         |        |
| 00528                         | GILTON SOLID WASTE MANAGE         | 04/11/2024   | Regular                                   | 0.00            | 215,609.67     | 57937  |
| <a href="#">February 2024</a> | Invoice                           | 02/29/2024   | GARBAGE SERVICE- Feb 2024                 | 0.00            | 73,304.69      |        |
| <a href="#">January 2024</a>  | Invoice                           | 01/31/2024   | GARBAGE SERVICE Jan 2024                  | 0.00            | 76,918.84      |        |
| <a href="#">March 2024</a>    | Invoice                           | 03/31/2024   | GARBAGE SERVICE- MARCH 2024               | 0.00            | 65,386.14      |        |
| 00614                         | HUGHSON FARM SUPPLY               | 04/11/2024   | Regular                                   | 0.00            | 1,389.93       | 57938  |
| <a href="#">H485147</a>       | Invoice                           | 04/10/2024   | farm supply blanket                       | 0.00            | 50.06          |        |
| <a href="#">H485230</a>       | Invoice                           | 04/10/2024   | farm supply blanket                       | 0.00            | 20.33          |        |
| <a href="#">H485269</a>       | Invoice                           | 04/10/2024   | farm supply blanket                       | 0.00            | 58.82          |        |
| <a href="#">H485283</a>       | Invoice                           | 03/08/2024   | Farm supply blanket PO                    | 0.00            | 12.92          |        |
| <a href="#">H485477</a>       | Invoice                           | 03/08/2024   | Farm supply blanket PO                    | 0.00            | 17.25          |        |
| <a href="#">H485479</a>       | Invoice                           | 03/11/2024   | Water Supplies (Blanket)                  | 0.00            | 112.10         |        |
| <a href="#">H485487</a>       | Invoice                           | 04/10/2024   | farm supply blanket                       | 0.00            | 58.22          |        |
| <a href="#">H485501</a>       | Invoice                           | 03/07/2024   | Farm supply blanket PO                    | 0.00            | 33.81          |        |
| <a href="#">H485512</a>       | Invoice                           | 03/11/2024   | Water Supplies (Blanket)                  | 0.00            | 8.61           |        |
| <a href="#">H485526</a>       | Invoice                           | 03/11/2024   | Water Supplies (Blanket)                  | 0.00            | 34.70          |        |
| <a href="#">H485559</a>       | Invoice                           | 04/10/2024   | farm supply blanket                       | 0.00            | 7.10           |        |
| <a href="#">H485630</a>       | Invoice                           | 03/07/2024   | Farm supply blanket PO                    | 0.00            | 24.36          |        |
| <a href="#">H485745</a>       | Invoice                           | 03/13/2024   | Water Supplies (Blanket)                  | 0.00            | 32.43          |        |
| <a href="#">H485750</a>       | Invoice                           | 04/10/2024   | farm supply blanket                       | 0.00            | 60.49          |        |
| <a href="#">H485872</a>       | Invoice                           | 03/07/2024   | Farm supply blanket PO                    | 0.00            | 17.25          |        |
| <a href="#">H485920</a>       | Invoice                           | 04/10/2024   | farm supply blanket                       | 0.00            | 100.62         |        |
| <a href="#">H485988</a>       | Invoice                           | 03/07/2024   | Farm supply blanket PO                    | 0.00            | 34.51          |        |
| <a href="#">H486116</a>       | Invoice                           | 03/07/2024   | Farm supply blanket PO                    | 0.00            | 48.53          |        |
| <a href="#">H486218</a>       | Invoice                           | 04/10/2024   | farm supply blanket                       | 0.00            | 94.46          |        |
| <a href="#">H486302</a>       | Invoice                           | 04/10/2024   | farm supply blanket                       | 0.00            | 208.90         |        |
| <a href="#">H486334</a>       | Invoice                           | 03/08/2024   | Farm supply blanket PO                    | 0.00            | 32.31          |        |
| <a href="#">H486430</a>       | Invoice                           | 03/07/2024   | Farm supply blanket PO                    | 0.00            | 44.18          |        |
| <a href="#">H486476</a>       | Invoice                           | 03/08/2024   | Farm supply blanket PO                    | 0.00            | 39.16          |        |
| <a href="#">H486679</a>       | Invoice                           | 03/07/2024   | Farm supply blanket PO                    | 0.00            | 0.87           |        |
| <a href="#">H486691</a>       | Invoice                           | 03/21/2024   | Water Supplies (Blanket)                  | 0.00            | 14.00          |        |
| <a href="#">H486729</a>       | Credit Memo                       | 03/21/2024   | WATER SUPPLIES                            | 0.00            | -14.00         |        |
| <a href="#">H486792</a>       | Invoice                           | 04/09/2024   | cleaning supplies                         | 0.00            | 214.50         |        |
| <a href="#">H486830</a>       | Invoice                           | 03/06/2024   | Farm supply blanket PO                    | 0.00            | 1.55           |        |
| <a href="#">H487389</a>       | Invoice                           | 03/06/2024   | Farm supply blanket PO                    | 0.00            | 21.89          |        |

Check Report

Date Range: 04/04/2024 - 04/15/2024

| Vendor Number                | Vendor Name                         | Payment Date | Payment Type                                 | Discount Amount | Payment Amount | Number |
|------------------------------|-------------------------------------|--------------|--|-----------------|----------------|--------|
| Payable #                    | Payable Type                        | Post Date    | Payable Description                          | Discount Amount | Payable Amount |        |
| 00627                        | HUGHSON NAPA AUTO & TRUCK           | 04/11/2024   | Regular                                      | 0.00            | 479.70         | 57939  |
| <a href="#">380239</a>       | Invoice                             | 03/07/2024   | parts and supplies (blanket PO)              | 0.00            | 7.28           |        |
| <a href="#">380305</a>       | Invoice                             | 03/08/2024   | parts and supplies (blanket PO)              | 0.00            | 16.79          |        |
| <a href="#">380443</a>       | Invoice                             | 03/11/2024   | parts and supplies (blanket PO)              | 0.00            | 2.36           |        |
| <a href="#">380670</a>       | Invoice                             | 03/14/2024   | parts and supplies (blanket PO)              | 0.00            | 26.91          |        |
| <a href="#">380747</a>       | Invoice                             | 03/15/2024   | parts and supplies (blanket PO)              | 0.00            | 22.64          |        |
| <a href="#">380860</a>       | Invoice                             | 03/18/2024   | parts and supplies (blanket PO)              | 0.00            | 13.92          |        |
| <a href="#">380876</a>       | Invoice                             | 03/18/2024   | parts and supplies (blanket PO)              | 0.00            | 4.08           |        |
| <a href="#">380881</a>       | Invoice                             | 03/18/2024   | parts and supplies (blanket PO)              | 0.00            | 35.77          |        |
| <a href="#">380888</a>       | Invoice                             | 03/18/2024   | parts and supplies (blanket PO)              | 0.00            | 4.39           |        |
| <a href="#">380899</a>       | Invoice                             | 03/18/2024   | parts and supplies (blanket PO)              | 0.00            | 15.47          |        |
| <a href="#">380908</a>       | Invoice                             | 03/18/2024   | parts and supplies (blanket PO)              | 0.00            | 22.37          |        |
| <a href="#">380914</a>       | Invoice                             | 03/18/2024   | parts and supplies (blanket PO)              | 0.00            | 7.51           |        |
| <a href="#">381002</a>       | Invoice                             | 03/19/2024   | parts and supplies (blanket PO)              | 0.00            | 7.62           |        |
| <a href="#">381035</a>       | Invoice                             | 03/20/2024   | fleet maintenance (blanket PO)               | 0.00            | 106.79         |        |
| <a href="#">381055</a>       | Invoice                             | 03/20/2024   | parts and supplies (blanket PO)              | 0.00            | 149.26         |        |
| <a href="#">381219</a>       | Invoice                             | 03/22/2024   | parts and supplies (blanket PO)              | 0.00            | 3.65           |        |
| <a href="#">381334</a>       | Invoice                             | 03/25/2024   | parts and supplies (blanket PO)              | 0.00            | 32.89          |        |
| 00659                        | J.B. Anderson Land Use Planning     | 04/11/2024   | Regular                                      | 0.00            | 13,089.58      | 57940  |
| <a href="#">020124HUGH</a>   | Invoice                             | 02/01/2024   | General Planning Services                    | 0.00            | 5,049.58       |        |
| <a href="#">030124HUGH</a>   | Invoice                             | 03/01/2024   | General Planning Services                    | 0.00            | 2,665.50       |        |
| <a href="#">040124HUGH</a>   | Invoice                             | 04/01/2024   | General Planning Services                    | 0.00            | 5,374.50       |        |
| 00682                        | KAISER FOUNDATION HEALTH            | 04/11/2024   | Regular                                      | 0.00            | 7,749.65       | 57941  |
| <a href="#">691534614623</a> | Invoice                             | 05/01/2024   | MEDICAL SERVICES- MAY                        | 0.00            | 7,749.65       |        |
| 00824                        | NEUMILLER & BEARDSLEE               | 04/11/2024   | Regular                                      | 0.00            | 6,922.96       | 57942  |
| <a href="#">347371</a>       | Invoice                             | 03/27/2024   | LEGAL SERVICES                               | 0.00            | 1,600.00       |        |
| <a href="#">347548</a>       | Invoice                             | 03/28/2024   | General Administration                       | 0.00            | 4,497.96       |        |
| <a href="#">347549</a>       | Invoice                             | 03/28/2024   | Personnel Matters                            | 0.00            | 825.00         |        |
| 01884                        | PACIFIC STORAGE COMPANY             | 04/11/2024   | Regular                                      | 0.00            | 71.99          | 57943  |
| <a href="#">2217699</a>      | Invoice                             | 03/31/2024   | RECORDS STORAGE                              | 0.00            | 71.99          |        |
| 01950                        | Premier Pools & Spas                | 04/11/2024   | Regular                                      | 0.00            | 500.00         | 57944  |
| <a href="#">INV0011079</a>   | Invoice                             | 04/10/2024   | Refund of ENCR23-1305 for 1597 Lantern       | 0.00            | 500.00         |        |
| 01943                        | Quality Service, Inc.               | 04/11/2024   | Regular                                      | 0.00            | 44,632.25      | 57945  |
| <a href="#">34539</a>        | Invoice                             | 02/28/2024   | Progress invoice #2 for the T&M estimate ... | 0.00            | 25,230.75      |        |
| <a href="#">34685</a>        | Invoice                             | 03/22/2024   | Progress invoice #3 for the T&M estimate ... | 0.00            | 19,401.50      |        |
| 01885                        | RecruitGigs                         | 04/11/2024   | Regular                                      | 0.00            | 990.00         | 57946  |
| <a href="#">68940</a>        | Invoice                             | 04/05/2024   | Extra Help - PW                              | 0.00            | 990.00         |        |
| 01048                        | STANISLAUS COUNTY                   | 04/11/2024   | Regular                                      | 0.00            | 347.00         | 57947  |
| <a href="#">471589</a>       | Invoice                             | 04/09/2024   | corp yard HM permit                          | 0.00            | 347.00         |        |
| 01048                        | STANISLAUS COUNTY                   | 04/11/2024   | Regular                                      | 0.00            | 161.00         | 57948  |
| <a href="#">472655</a>       | Invoice                             | 04/08/2024   | WWTP HM permit                               | 0.00            | 161.00         |        |
| 01066                        | STATE WATER RESOURCES CONTROL BOARD | 04/11/2024   | Regular                                      | 0.00            | 591,136.15     | 57949  |

Check Report

Date Range: 04/04/2024 - 04/15/2024

| Vendor Number              | Vendor Name  | Payment Date | Payment Type                         | Discount Amount | Payment Amount | Number |
|----------------------------|--------------|--------------|--------------------------------------|-----------------|----------------|--------|
| Payable #                  | Payable Type | Post Date    | Payable Description                  | Discount Amount | Payable Amount |        |
| <a href="#">INV0011077</a> | Invoice      | 04/10/2024   | Contract # 08838; Project # 5139-110 | 0.00            | 591,136.15     |        |

| Bank Code Payable Bank Summary |               |               |             |                   |
|--------------------------------|---------------|---------------|-------------|-------------------|
| Payment Type                   | Payable Count | Payment Count | Discount    | Payment           |
| Regular Checks                 | 137           | 51            | 0.00        | 940,042.31        |
| Manual Checks                  | 0             | 0             | 0.00        | 0.00              |
| Voided Checks                  | 0             | 0             | 0.00        | 0.00              |
| Bank Drafts                    | 0             | 0             | 0.00        | 0.00              |
| EFT's                          | 0             | 0             | 0.00        | 0.00              |
|                                | <b>137</b>    | <b>51</b>     | <b>0.00</b> | <b>940,042.31</b> |

### All Bank Codes Check Summary

| Payment Type   | Payable Count | Payment Count | Discount    | Payment           |
|----------------|---------------|---------------|-------------|-------------------|
| Regular Checks | 137           | 51            | 0.00        | 940,042.31        |
| Manual Checks  | 0             | 0             | 0.00        | 0.00              |
| Voided Checks  | 0             | 0             | 0.00        | 0.00              |
| Bank Drafts    | 0             | 0             | 0.00        | 0.00              |
| EFT's          | 0             | 0             | 0.00        | 0.00              |
|                | <b>137</b>    | <b>51</b>     | <b>0.00</b> | <b>940,042.31</b> |

### Fund Summary

| Fund | Name                          | Period | Amount            |
|------|-------------------------------|--------|-------------------|
| 999  | POOLED CASH/CONSOLIDATED CASH | 4/2024 | 940,042.31        |
|      |                               |        | <b>940,042.31</b> |



Hughson

# Refund Check Register

## Refund Check Detail

### UBPKT03576 - Refunds 01 UBPKT03574 Regular

| Account                 | Name                       | Date     | Check #                       | Amount | Code | Receipt | Amount | Type                   |
|-------------------------|----------------------------|----------|-------------------------------|--------|------|---------|--------|------------------------|
| 12-0890-005             | Lincecum, Becky            | 4/8/2024 | 57924                         | 104.15 |      |         | 104.15 | Generated From Billing |
| 12-1450-001             | BECKER, GLORIA             | 4/8/2024 | 57925                         | 114.51 |      |         | 114.51 | Deposit                |
| 14-1500-002             | Durham, Megan              | 4/8/2024 | 57926                         | 220.95 |      |         | 220.95 | Generated From Billing |
| 14-1780-003             | HERNANDEZ, CHUCK & DANIELL | 4/8/2024 | 57927                         | 109.66 |      |         | 109.66 | Deposit                |
| 15-3190-003             | ODOM, DAVID & JENNIFER     | 4/8/2024 | 57928                         | 41.83  |      |         | 41.83  | Deposit                |
| <b>Total Refunds: 5</b> |                            |          | <b>Total Refunded Amount:</b> | 591.10 |      |         |        |                        |

### Revenue Code Summary

| Revenue Code            | Amount |
|-------------------------|--------|
| 996 - UNAPPLIED CREDITS | 591.10 |
| <b>Revenue Total:</b>   | 591.10 |

### General Ledger Distribution

Posting Date: 04/08/2024

| Account Number                                   | Account Name                      | Posting Amount | IFT |
|--|-----------------------------------|----------------|-----|
| <b>Fund: 510 - WATER/SEWER DEPOSIT</b>           |                                   |                |     |
| 510-10001  | CLAIM ON CASH-WATER/SEWER DEPOSIT | -591.10        | Yes |
| 510-11040  | CUSTOMER CREDITS                  | 591.10         |     |
| <b>510 Total:</b>                                |                                   | 0.00           |     |
| <b>Fund: 999 - POOLED CASH/CONSOLIDATED CASH</b> |                                   |                |     |
| 999-10010  | CASH IN BANK-MONEY MARKET         | -591.10        |     |
| 999-20000  | DUE TO OTHER FUNDS (POOLED CASH)  | 591.10         | Yes |
| <b>999 Total:</b>                                |                                   | 0.00           |     |
| <b>Distribution Total:</b>                       |                                   | 0.00           |     |



Hughson

# Refund Check Register

## Refund Check Detail

### UBPKT03591 - Bill Refund - Fox Road

| Account                 | Name            | Date     | Check #                       | Amount   | Code | Receipt | Amount  | Type    |
|-------------------------|-----------------|----------|-------------------------------|----------|------|---------|---------|---------|
| 12-0300-001             | FOX ROAD SCHOOL | 4/8/2024 | 57929                         | 9,583.92 |      |         | 9583.92 | Deposit |
| <b>Total Refunds: 1</b> |                 |          | <b>Total Refunded Amount:</b> | 9,583.92 |      |         |         |         |

### Revenue Code Summary

| Revenue Code            | Amount  |
|-------------------------|---------|
| 996 - UNAPPLIED CREDITS | 9583.92 |
| <b>Revenue Total:</b>   | 9583.92 |

### General Ledger Distribution

Posting Date: 04/08/2024

| Account Number                                   | Account Name                      | Posting Amount | IFT |
|--|-----------------------------------|----------------|-----|
| <b>Fund: 510 - WATER/SEWER DEPOSIT</b>           |                                   |                |     |
| 510-10001  | CLAIM ON CASH-WATER/SEWER DEPOSIT | -9,583.92      | Yes |
| 510-11040  | CUSTOMER CREDITS                  | 9,583.92       |     |
| <b>510 Total:</b>                                |                                   | 0.00           |     |
| <b>Fund: 999 - POOLED CASH/CONSOLIDATED CASH</b> |                                   |                |     |
| 999-10010  | CASH IN BANK-MONEY MARKET         | -9,583.92      |     |
| 999-20000  | DUE TO OTHER FUNDS (POOLED CASH)  | 9,583.92       | Yes |
| <b>999 Total:</b>                                |                                   | 0.00           |     |
| <b>Distribution Total:</b>                       |                                   | 0.00           |     |



## **CITY COUNCIL AGENDA ITEM NO. 3.3 SECTION 3: CONSENT CALENDAR**

**Meeting Date:** April 22, 2024  
**Subject:** Adoption of Resolution No. 2024-11, Calling and Giving Notice of the Holding of a General Municipal Election on Tuesday, November 5, 2024, for the Election of Certain Officers as Required by the Provisions of the Laws of the State of California Relating to General Law Cities and Requesting Consolidation of the Election with Stanislaus County.  
**Enclosures:** General Election Cost Estimate  
Notice of Election  
**Presented By:** Ashton Gose, City Clerk

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### **Staff Recommendations:**

1. Adopt Resolution No. 2024-11, calling and giving notice of the holding of a General Municipal Election on Tuesday, November 5, 2024, for the election of certain officers as required by the provisions of the laws of the State of California relating to General Law Cities and requesting consolidation of the election with Stanislaus County.
2. Direct the City Clerk to file a certified copy of the Resolution with the Board of Supervisors and the County Election Division of the County of Stanislaus.

### **Discussion:**

The California Elections Code requires the City Council to order the General Municipal Election and request the Stanislaus County Board of Supervisors to approve the consolidation of the City's Election with the Statewide General Election being held on Tuesday, November 5, 2024.

The City of Hughson's General Municipal Elections are required to be held in November on even numbered years. California Election Code §10403 sets forth the procedures for cities to request that the Board of Supervisors approve the consolidation of the Municipal Election with the Statewide Election. California Elections Code §10403.5 requires the Board of Supervisors to approve the request for consolidation of the election.

A notice announcing the 2024 General Municipal Election and the Offices to be filled will be published in the Hughson Chronicle on July 9, 2024. The Candidate Nomination Period will begin July 15, 2024, and will close on August 9, 2024. During this time, candidate

packets will be available for any interested party seeking to run for an office. Candidates must be a registered voter in Stanislaus County and live within the city limits to be eligible to run for office. If an eligible incumbent does not file for his/her office, the nomination period for that specific office will be extended to Wednesday, August 14, 2024, at 5:00 pm for anyone other than the incumbent.

The Offices scheduled for the November 5, 2024, General Municipal Election are as follows:

| <b>Office</b>  | <b>Incumbent</b> | <b>Compensation</b> | <b>Term</b> |
|----------------|------------------|---------------------|-------------|
| Council Member | Samuel Rush      | \$250.00/mo.        | 4-year term |
| Council Member | Alan McFadon     | \$250.00/mo.        | 4-year term |

**Fiscal Impact:**

For Fiscal Year 2024-2025, the estimated cost for election services and publication notice is \$19,100. This anticipated expense will be included in the City's Fiscal Year 2024-2025 Proposed Budget.



**OFFICE OF COUNTY CLERK-RECORDER**

**DONNA LINDER**  
**County Clerk-Recorder, Registrar of Voters &**  
**Commissioner of Civil Marriage**

**ADMINISTRATION:**  
1021 "I" Street, Suite 101, Modesto, CA 95354  
Telephone: 209.525.5211  
Facsimile: 209.525.5800

**City of Hughson Election Cost Estimate**  
**In consolidation with the**  
**November 5, 2024 Statewide Presidential Election**

Estimates may include costs associated with:

Printing  
Publications  
Drop Boxes / Vote Centers

Personnel  
Information Technology Support  
Mailings  
Miscellaneous

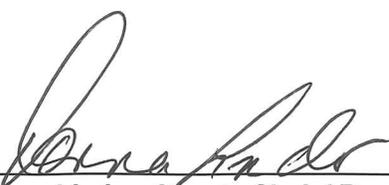
**Council Member**

**Number of Voters**

**4,362– 4,462**

Cost to conduct a consolidated election for Council Member. (Costs can increase based on the number of candidate/measure statement pages, vote centers, election participation by other agencies, & additional drop boxes)

1. Stanislaus County ROV services to conduct a consolidated election for Council Member. \$1.35 - \$2.12 per voter

  
\_\_\_\_\_  
Donna Linder, County Clerk / Recorder / Registrar of Voters  
March 4, 2024

**CITY OF HUGHSON  
CITY COUNCIL  
RESOLUTION NO. 2024-11**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF HUGHSON  
CALLING AND GIVING NOTICE OF THE HOLDING OF A GENERAL MUNICIPAL ELECTION ON  
TUESDAY, NOVEMBER 5, 2024, FOR THE ELECTION OF CERTAIN OFFICERS AS REQUIRED BY THE  
PROVISIONS OF THE LAWS OF THE STATE OF CALIFORNIA RELATING TO GENERAL LAW CITIES  
AND REQUESTING CONSOLIDATION OF THIS ELECTION WITH STANISLAUS COUNTY**

**WHEREAS**, Under the provisions of the laws relating to General Law cities in the State of California, a General Municipal Election shall be held on Tuesday, November 5, 2024, for the Election of Municipal Officers; and

**WHEREAS**, the California Statewide General Election will be held on Tuesday, November 5, 2024; and

**WHEREAS**, in accordance with section 10403 of the California Elections Code, it is desirable that the Election of Municipal Officers be consolidated with the California Statewide General Election and held on the same date and that within the City the precincts, polling places, and election officers of the two elections be the same, and that the County Election Department canvas the returns of the Election of Municipal Officers and that the election be held in all respects as if there were only one election.

**NOW, THEREFORE, BE IT RESOLVED** that the City Council of the City of Hughson does hereby declare, determine, and order as follows:

1. That pursuant to the requirements of the laws of the State of California relating to General Law cities, there is called and ordered to be held in the City of Hughson, Stanislaus County, California, on Tuesday, November 5, 2024, a General Municipal Election for the following purpose of:
  - a. Electing two (2) Council members each for a term of four (4) years; and
2. That pursuant to the requirements of section 10403 of the California Elections Code, the Board of Supervisors of the County of Stanislaus is hereby requested to consent and agree to the consolidation of an Election of Municipal Officers with the Statewide General Election on Tuesday, November 5, 2024, for the purpose of electing two (2) Council members each for a term of four (4) years; and
3. That pursuant to section 10002 of the California Elections Code the Board of Supervisors of the County of Stanislaus is requested to issue instructions to the County Election Official to take any and all steps necessary for the holding of the consolidated election; and
4. Pursuant to section 14018 of the Elections Code that the consolidated election shall be held and conducted, election boards appointed, voting precincts designated, candidates nominated, ballots printed, polls opened and closed, voter challenges determined, ballots

counted and returned, returns canvassed, results declared, certificates of election issued, recounts conducted, election contests presented, and all other proceedings incidental to and connected with the election shall be regulated and done in accordance with the provisions of law regulating the statewide election; and

5. That the City of Hughson recognizes that additional costs will be incurred by the County by reason of this consolidation and agrees to reimburse the County for such costs; and
6. That the vote centers for the election shall open at seven o'clock am (7:00 a.m.) of the day of the election and shall remain open continuously from that time until eight o'clock pm (8:00 p.m.), except as provided in §14401 of the Elections Code of the State of California; and
7. Pursuant to §13307(c) of the Elections Code of the State of California, candidates shall be required to pay, in advance, for the pro rata cost of printing the candidate statement in the voter pamphlet; and
8. Candidate statements will be limited to no more than 200 words; and
9. A \$750.00 deposit shall be required at the time of filing of the nomination paper of those candidates who wish to submit a statement for printing in the voter pamphlet; and
10. The amount of the deposit is based upon an estimated cost and candidates will be required to pay the actual cost of printing, and the City Clerk is directed to bill candidates for additional actual expenses or refund any excess amount paid depending upon the actual cost of printing of the candidate statement in the voter pamphlet; and
11. That in all particulars not recited in this Resolution, the Election shall be held and conducted as provided by law for holding Municipal Elections; and
12. That Notice of the time and place of holding the election is given and the City Clerk is authorized, instructed, and directed to give further or additional notice of the election, in time, form, and manner as required by law; and
13. That the City Clerk is hereby directed to file a certified copy of this Resolution with the Board of Supervisors and the County Election Division of the County of Stanislaus.

**PASSED AND ADOPTED** by the City Council of the City of Hughson at a regular meeting held on this 22<sup>nd</sup> day of April 2024, by the following roll call vote:

**AYES:**

**NOES:**

**ABSTENTIONS:**

**ABSENT:**

**APPROVED:**

---

**GEORGE CARR, Mayor**

**ATTEST:**

---

**ASHTON GOSE, City Clerk**

# NOTICE OF ELECTION

## CITY OF HUGHSON

NOTICE IS HEREBY GIVEN that a General Municipal Election will be held in the City of Hughson on Tuesday, the 5<sup>th</sup> day of November 2024, for the following Officers:

**Two (2) Members of the City Council      (Full term of four years)**

*The Nomination Period for these offices begins on Monday, July 15, 2024, and closes on Friday, August 9, 2024.*

If nomination papers for an incumbent officer of the City are not filed by 5:00 p.m. on Friday, August 9, 2024 (the 88<sup>th</sup> day before the Election), the voters shall have until the 83<sup>rd</sup> day before the election, Wednesday, August 14, 2024, to nominate candidates for that incumbent's elective office.

If no one or only one person is nominated for an elective office, appointment to the elective office may be made as prescribed by §10229, Elections Code of the State of California.

Vote centers will be open between the hours of 7:00 a.m. and 8:00 p.m.

Nomination papers can be secured from the City Clerk's Office. Please call City Hall at 209-883-4054 or visit the City of Hughson website at [www.hughson.org](http://www.hughson.org).

ATTEST:



**Ashton Gose**

**City Clerk**

**April 22, 2024**



## CITY COUNCIL AGENDA ITEM NO. 3.4 SECTION 3: CONSENT CALENDAR

**Meeting Date:** April 22, 2024  
**Subject:** Adoption of Resolution No. 2024-12, Performing the Biennial Review of the City of Hughson's Conflict of Interest Code  
**Enclosure:** Exhibit "A" Conflict of Interest Code  
**Presented By:** Ashton Gose, City Clerk

---

### Staff Recommendation:

Adopt Resolution No. 2024-12, amending the City of Hughson Conflict of Interest Code.

### Discussion:

The Political Reform Act (Government Code Sections 81000-91014) requires every local governmental agency to review its Conflict-of-Interest Code biennially. A notice must be submitted to the reviewing body indicating whether an amendment is necessary. The code reviewing body for the City of Hughson is the City Council. The Political Reform Act requires governmental officials and certain employees to publicly disclose their personal assets and income. They are also restricted from participating in decisions which may affect their personal economic interests. The Fair Political Practices Commission (FPPC) is the state agency responsible for issuing the State of Economic Interest, Form 700, and for interpreting the law's provisions. Form 700 is the document those subject to the Conflict-of-Interest Code are required to fill out annually and identify their financial interests.

Persons holding the position of Mayor, City Councilmember, Planning Commissioner, City Manager, City Attorney, and City Treasurer are required to annually file a Form 700 pursuant to Government Code §87200 directly with the FPPC. In addition, local government agencies must adopt a local Conflict of Interest Code (Code). This Code must designate positions that make or participate in the making of decisions which may foreseeably have a material effect on any financial interest. The Code must be reviewed biennially to determine if amendments are required.

The Hughson City Council last amended the Conflict-of-Interest Code on April 11, 2022, with the adoption of Resolution No. 2022-14. Staff recommend performing the biennial review of the City of Hughson's Conflict of Interest Code and reporting that the Conflict-of-Interest Code is in need of amendment. The City Clerk is responsible for ensuring the proper annual filing of the Form 700 by appropriate City officials as required and per the specified deadline.

**Fiscal Impact:**

There is no fiscal impact to the City associated with approval of this item.

**CITY OF HUGHSON  
CITY COUNCIL  
RESOLUTION NO. 2024-12**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF HUGHSON  
AMENDING THE CITY OF HUGHSON CONFLICT OF INTEREST CODE**

**WHEREAS**, the Hughson City Council adopted a Conflict of Interest Code pursuant to the Political Reform Act of 1974, Government Code Section 81000, et seq; and

**WHEREAS**, the Hughson City Council last amended the Conflict of Interest Code on April 11, 2022, by adopting Resolution 2022-14; and

**WHEREAS**, pursuant to Government Code Section 87306.5, each local government agency must review its Conflict-of-Interest Code on a biennial basis and either amend the code, or report that the Code is not in need of amendment; and

**WHEREAS**, the City Council desires to amend the Conflict of Interest Code to update Appendix "A" to remove, change, and include the current designated positions; and

**WHEREAS**, the City of Hughson will continue to incorporate by reference Title 2, California Administrative Code Section 18730 and amendments to it, adopted by the Fair Political Practices Commission (FPPC), which will save time and money by minimizing the actions required of the Council to keep its code in conformity with the Reform Act.

**NOW THEREFORE BE IT RESOLVED** by the City Council of the City of Hughson as follows:

1. The City of Hughson hereby adopts the City of Hughson Conflict of Interest Code attached hereto as *Exhibit A*.
2. Persons holding designated positions shall file Statements of Economic Interest, Form 700, pursuant to the Code with the City Clerk, who shall be deemed the Filing Officer and who shall make the statements available to the public for inspection and reproduction.

**PASSED AND ADOPTED** by the City Council of the City of Hughson at its regular meeting held on this 22<sup>nd</sup> day of April 2024 by the following roll call votes:

**AYES:**

**NOES:**

**ABSTENTIONS:**

**ABSENT:**

»  
»  
»

**APPROVED:**

---

**GEORGE CARR, Mayor**

**ATTEST:**

---

**ASHTON GOSE, City Clerk**

## APPENDIX A

**CITY OF HUGHSON  
CONFLICT OF INTEREST CODE**

**DESIGNATED POSITIONS REQUIRING DISCLOSURE**

| <u>Positions Designated to Report</u>               | <u>Disclosure Category</u> |
|---|----------------------------|
| <b>Department</b>                                   |                            |
| <b>ADMINISTRATION</b>                               |                            |
| Executive Assistant/City Clerk                      |                            |
| <del>City Clerk/Assistant to the City Manager</del> | 2                          |
| Management Analyst                                  | 2                          |
| <b>BOARDS/COMMISSIONS/COMMITTEES</b>                |                            |
| Administrative Appeals Board                        | 1                          |
| Budget and Finance Subcommittee Members             | 1                          |
| Parks, Recreation and Entertainment Commissioners   | 1                          |
| Successor Agency to the RDA Committee Members       | 1                          |
| <b>COMMUNITY DEVELOPMENT DEPARTMENT</b>             |                            |
| Director of Community Development                   | 1                          |
| <b>CITY ATTORNEY'S OFFICE</b>                       |                            |
| City Attorney                                       | 1                          |
| Deputy City Attorney                                | 1                          |
| <b>FINANCE DEPARTMENT</b>                           |                            |
| Director of Finance & Administrative Services       | 1                          |
| Accounting Manager                                  | 4                          |
| <b>PUBLIC WORKS</b>                                 |                            |
| <del>Parks and Recreation Manager</del>             | 4                          |
| Public Works Superintendent                         | 4                          |
| Utilities Superintendent                            | 4                          |

**\*\* Consultants and Contractual Consultants \*\***

**This disclosure category reads:**

Consultants shall be included in the list of designated employees and shall disclose pursuant to the broadest disclosure category in the code subject to the following limitations:

The City Manager may determine in writing that a particular consultant, although a "designated positions." is hired to perform a range of duties that are limited in scope and thus is not required to comply with the disclosure requirements described in these categories. Such determination shall include a description of the Consultant's duties and based upon that description, a statement of the extent of disclosure requirements. The City Manager shall forward a copy of this determination to the City Council. Nothing herein excuses any such consultant from any other provision of the Conflict of Interest Code.

**APPENDIX B**  
**CITY OF HUGHSON**  
**CONFLICT OF INTEREST CODE**

**DISCLOSURE CATEGORIES FOR DESIGNATED POSITIONS**

**DEFINITION**

"Unit" as used in this text means the department, board, committee, commission, office or other entity using the disclosure category.

**DISCLOSURE CATEGORY**

1. All investments and business positions in business, entities, sources of income and interests in real property.
2. Investments and business positions in business entities, and all sources of income.
3. Interests in real property.
4. Investments and business positions in business entities, and sources of income from "entities providing bids, supplies, services, vehicles, equipment or machinery, or engaged in construction, development, acquisition or sale of real property, or public works or other City-related projects, of the type used by the designated employee's unit."

## APPENDIX C

### **CITY OF HUGHSON CONFLICT OF INTEREST CODE**

#### PLACE OF FILING

#### **PART I – DESIGNATED EMPLOYEES**

Each employee filing a Form 700 – Annual Statement of Economic Interests shall file it with the City Clerk.

Where: City Clerk  
City of Hughson  
7018 Pine Street  
Hughson, CA 95326

#### **PART II – BOARDS, COMMITTEES AND COMMISSIONS**

The City of Hughson City Clerk shall furnish to each designated member, upon their appointment and termination, a Form 700 – Annual Statement of Economic Interest and each completed form shall be filed with the City Clerk.

Where: City Clerk  
City of Hughson  
7018 Pine Street  
Hughson, CA 95326

#### **PART III – OFFICIALS LISTED IN GOVERNMENT CODE SECTION 87200**

The City of Hughson City Clerk shall furnish the following public officials, upon their appointment and termination, a Form 700 – Annual Statement of Economic Interests: City Council Members, Mayor, Planning Commissioners, City Manager, City Attorney, City Treasurer or Finance Director. The Clerk will retain a copy and originals will be forwarded to the FPPC.

Where: City Clerk  
City of Hughson  
7018 Pine Street  
Hughson, CA 95326

**These statements will be forwarded to the Fair Political Practices Commission (FPPC), 1102 Q Street, Ste 3000, Sacramento Ca 95811.**



## CITY COUNCIL AGENDA ITEM NO. 3.5

### SECTION 3: CONSENT CALENDAR

**Meeting Date:** April 22, 2024  
**Subject:** Approval to Adopt Resolution No. 2024-13, Supporting the Approval of the Fiscal Year 2024-2025 Community Development Block Grant (CDBG) and Home Investment Partnership Program (HOME) Annual Action Plan (AAP)  
**Presented By:** Carla C. Jauregui, Community Development Director

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#### **Staff Recommendation:**

Adopt Resolution No. 2024-13, supporting the approval of the Fiscal Year 2024-2025 Community Development Block Grant (CDBG) and Home Investment Partnership Program (HOME) Annual Action Plan (AAP).

#### **Background:**

In 2002, Stanislaus County was designated an Urban County by the Federal Housing and Urban Development Department (HUD) and receives an annual allocation to be shared among Stanislaus County and the cities of Ceres, Hughson, Newman, Oakdale, Patterson, Riverbank and Waterford. With this designation, Stanislaus County qualifies as an “entitlement” jurisdiction which means that the County receives Community Development Block Grant (CDBG) and Home Investment Partnership (HOME) Program funds from HUD without participating in the competitive application process. The County together with these cities form what is known as the Stanislaus County Community Development Block Grant (CDBG) Consortium (hereafter referred to as the Urban County).

#### **Discussion:**

During Fiscal Year 2024-2025, Stanislaus Urban County (hereinafter Urban County) expects to receive 2,543,347 in Community Development Block Grant (CDBG) program funding and \$208,317 in ESG funding. These estimated funding allocations in the Draft AAP are based on Fiscal Year 2023-2024 HUD funding and are only used as projections per HUD guidelines. Additionally, the County’s administration amount includes the cost of a consultant that will prepare the upcoming Fiscal Year 2025-2029 Consolidated Plan (5 Year Plan), Analysis of Impediments to Fair Housing and the Limited English Proficiency Plan (LEP) starting in July 2024.

The CDBG funds and the ESG funds are to be used for the following activities.

- Infrastructure Improvements
- Economic Development Programs
- Affordable Housing
- Fair Housing Services
- Public Services
- Homeless Shelter Services
- Homeless Prevention
- Homeless Services Data Collection

Hughson's estimated CDBG allocation is approximately \$163,003 which includes \$5,000 for administration costs. Staff recommends the use of the funds for the completion of part 2 of the Second Street Infrastructure Improvement Project, which includes curb, gutter, sidewalk, ADA improvements and the environmental work associated with the project. The 2024-2025 2<sup>nd</sup> Street Sidewalk Infill Project will complete the remainder of the sidewalks on 2<sup>nd</sup> Street that were started in the 2017-2018 Fiscal Year and completed in the 2018-2019 Fiscal Year. This project installed curb, gutter and sidewalk, and pedestrian improvements on 2<sup>nd</sup> Street between Fox Road and Walker Lane. The 2024-2025 project goal is to complete the public improvements on 2<sup>nd</sup> Street between Santa Fe and Locust. This project is part of a multi-year effort to complete sidewalks and improve connectivity, mobility, and access for pedestrians.

Additionally, the Urban County is anticipated to receive approximately \$1,708,364 in Home Investment Partnership Program (HOME) funding of which Hughson's allocation for Fiscal Year 2024-2025 is anticipated to be approximately \$127,110. The goals of the Consortium as established under the federal HOME program guidelines is to further affordable housing activities benefiting low-income households.

Community meetings for the purpose of gathering public comments and review of the draft Annual Action Plan were held on March 25, 2024, April 8, 2024, and a third meeting is scheduled at 5pm prior to the City Council meeting on April 22, 2024. The Draft AAP has been available for public review in the Stanislaus County Planning and Community Development Department, and various locations throughout the County. No public comments have been received to date.

**Fiscal Impact:**

The City currently has approximately \$620,000 in CDBG funds available as of Fiscal Year 2023-2024 and is estimated to receive an additional estimated \$163,003 in Fiscal Year 2024-2025 to use towards the 2024-2025 2<sup>nd</sup> Street Sidewalk Infill Project. Any remaining funds will be allocated to secondary projects identified as part of the Consolidated Plan. Staff will continue to look for other funding sources to be able to complete the construction of all projects identified to improve safety and the quality of life for the residents of Hughson.

**CITY OF HUGHSON  
CITY COUNCIL  
RESOLUTION 2024-13**

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF HUGHSON SUPPORTING THE APPROVAL OF THE FISCAL YEAR 2024-2025 COMMUNITY DEVELOPMENT BLOCK GRANT (CDBG) AND HOME INVESTMENT PARTNERSHIP PROGRAM (HOME) ANNUAL ACTION PLAN (AAP)**

**WHEREAS**, Stanislaus County in partnership with the cities of Ceres, Hughson, Newman, Oakdale, Patterson and Waterford form the Stanislaus Urban County for purposes of developing the AAP and receiving federal Housing and Urban Development (HUD), Community Development Block Grant (CDBG) and Emergency Solutions Grant (ESG) Program funding in total of \$2,543,347.00 and \$1,708,364 In Home Investment Partnership Program funding; and

**WHEREAS**, the City of Hughson chooses to participate in the entitlement process thereby receiving a portion of the CDBG and HOME entitlement grants to Stanislaus County and participating jurisdictions; and,

**WHEREAS**, the City of Hughson's allocation of CDBG funds is \$ 163,003.00 (\$158,003.00 for CDBG project activities and \$5,000 to administer) for 2024-2025 Fiscal Year and an allocation of HOME funds in the amount of \$127,110.00; and,

**WHEREAS**, the development process of the AAP included several public meetings held at various locations and times throughout the urban county jurisdictions; and,

**WHEREAS**, the preparation of the AAP utilized consultation and coordination among various government agencies, private groups (for- and non-profit) and individuals; and,

**WHEREAS**, the following projects listed below have been selected as CDBG projects according to low to moderate income eligibility and existing health and safety issues in the project area(s): *Second Street Infrastructure Project (part 1), Walker Lane Infrastructure Project, Second Street Infrastructure Project (part 2), Tully Road Infrastructure Project, Charles Street Infrastructure Project, Elm Street Infrastructure Project, and Seventh Street Infrastructure Project.*

**WHEREAS**, the City of Hughson staff held local community meetings on March 25, 2024, April 06, 2024, and April 22, 2024, and no public comments or input was received; and,

**WHEREAS**, the April 22<sup>nd</sup>, 2024, City Council meeting was open to the public as an opportunity to provide comments; and,

**WHEREAS**, the City of Hughson, as shown in the 2024-2025 AAP, will utilize the City's CDBG allocations for the 2<sup>nd</sup> Street Infrastructure Improvement Project as well as future CDBG funding projected in the 2020-2025 Consolidated Plan (CP). As funding becomes available the City of Hughson will work within the CDBG income eligible areas of the City as indicated in the CP for additional projects that will be reported in future Annual Action Plans.

**NOW, THEREFORE, BE IT RESOLVED**, that the City Council of the City of Hughson hereby approves the Draft Fiscal Year 2024-2025 Annual Action Plan and authorizes the City Manager to execute the CDBG Subrecipient Agreement and HOME Agreement for FY 2024-2025.

**PASSED AND ADOPTED** by the City Council of the City of Hughson at its regularly scheduled meeting on this 22<sup>nd</sup> day of April 2024, by the following vote:

**AYES:**

**NOES:**

**ABSTENTIONS:**

**ABSENT:**

**APPROVED:**

---

**GEORGE CARR, Mayor**

**ATTEST:**

---

**ASHTON GOSE, City Clerk**



## **CITY COUNCIL AGENDA ITEM NO. 6.1**

### **SECTION 6: NEW BUSINESS**

**Meeting Date:** April 22, 2024  
**Subject:** Approval to Authorize City Staff to Release Bid Documents for the Well 8 TCP Mitigation Project  
**Enclosures:** Well 8 TCP Mitigation Project Plan Set  
Bid Documents  
**Presented By:** Carla C. Jauregui, Community Development Director

---

#### **Staff Recommendation:**

Authorize City Staff to release Bid Documents for the Well 8 TCP Mitigation Project.

#### **Background:**

In 2017, the State of California Water Board adopted a new standard to the California Code of Regulations for the previously unregulated contaminant 1,2,3-Trichloropropane (1,2,3-TCP). The new standard sets the Maximum Contaminant Level (MCL) for 1,2,3-TCP at 5 parts per trillion (5 ppt) in public drinking water. The contaminant is a man-made chemical commonly found in groundwater throughout the Central Valley from use in industrial and agricultural activities. Testing of local groundwater wells has shown 1,2,3-TCP is present and of sufficient concentrations to require removal. Currently, Wells 3, 4, and 8 have 1,2,3-TCP concentrations exceeding the new MCL.

In 2018, a study titled "City of Hughson 1,2,3-TCP Mitigation Feasibility Study" was completed to provide recommendations to address 1,2,3-TCP in City water wells. The study found that granular activated carbon (GAC) was the best treatment technology for 1,2,3-TCP removal.

#### **Discussion:**

On July 27, 2020, the Council approved the Professional Services Agreement with the engineering firm of Provost & Pritchard to prepare plans and specifications to add 1,2,3-TCP treatment to the City's Well 8 Facility. Since then, the staff has worked with Provost & Pritchard to finalize the design and prepare bid documents for construction.

Additionally, since this project will alter the appearance and footprint of the well site, City staff has conducted a public outreach to City residents located within 300' of the Well 8 facility,

explaining the project work, purpose, and construction timeframe. To date, the City has received no comments or concerns from residents related to this project.

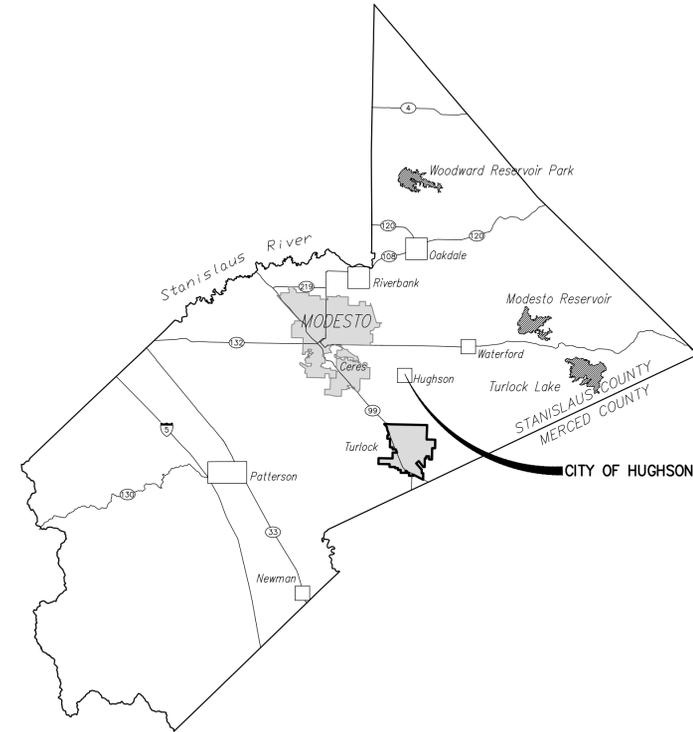
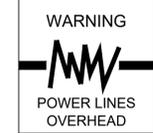
**Fiscal Impact:**

The City received funding for the project through a legal settlement in 2022. The engineer's estimate of probable cost is \$2.45 million, which is less than the available amount received from the settlement.

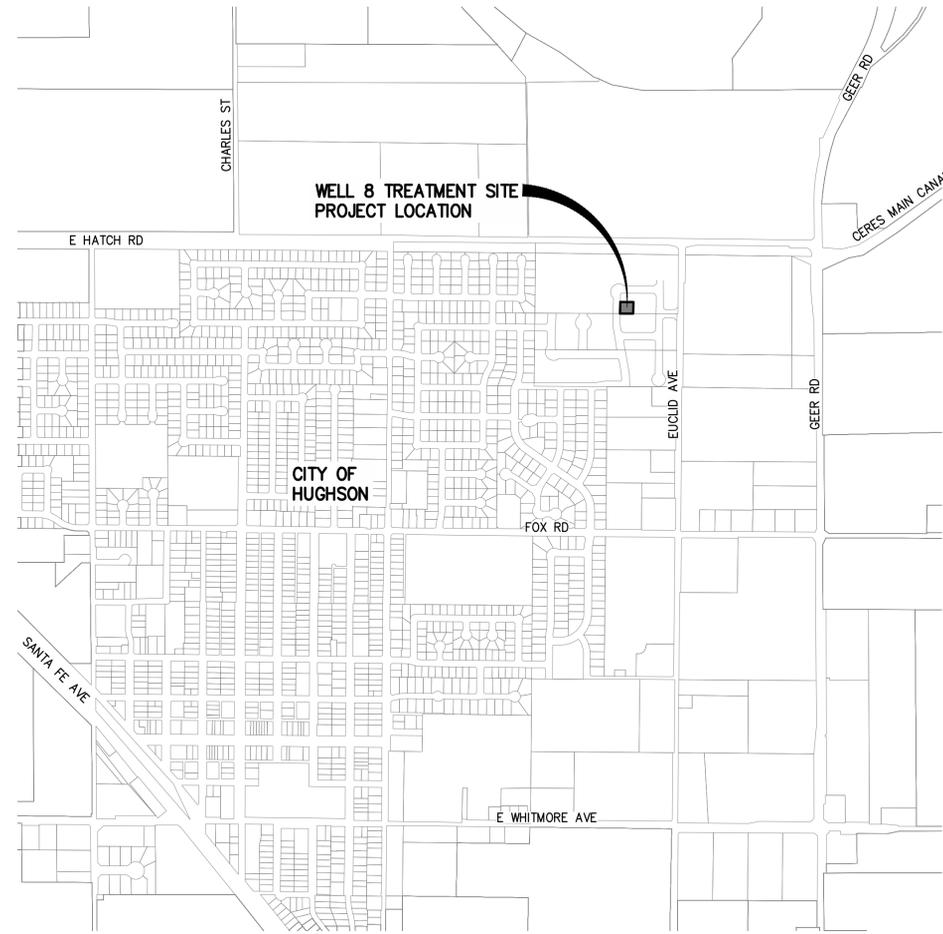
# CITY OF HUGHSON

## HUGHSON, CA

### WELL 8 TCP MITIGATION PROJECT



AREA MAP  
NOT TO SCALE



VICINITY MAP  
NOT TO SCALE



| SHEET INDEX          |                |   |
|----------------------|----------------|---|
| SHEET NO.            | SEQ. SHEET NO. | DESCRIPTION   |
| GENERAL              |                |   |
| G-1                  | 1              | COVER SHEET   |
| G-2                  | 2              | LEGEND & ABBREVIATIONS  |
| G-3                  | 3              | GENERAL NOTES   |
| G-4                  | 4              | GENERAL NOTES   |
| G-5                  | 5              | DESIGN CRITERIA   |
| G-6                  | 6              | PROCESS FLOW DIAGRAMS   |
| G-7                  | 7              | HYDRAULIC PROFILE   |
| WELL 8 GAC TREATMENT |                |   |
| C-1                  | 8              | HORIZONTAL CONTROL PLAN                                       |
| C-2                  | 9              | DEMOLITION PLAN   |
| C-3                  | 10             | SITE PLAN   |
| C-4                  | 11             | GRADING PLAN  |
| C-5                  | 12             | PIPING PLAN   |
| C-6                  | 13             | SITE COORDINATES  |
| C-7                  | 14             | STORM DRAIN PIPING PLAN                                       |
| C-8                  | 15             | VESSEL SLAB PLAN  |
| C-9                  | 16             | PIPING SECTIONS AND DETAILS                                   |
| C-10                 | 17             | PIPING SECTIONS AND DETAILS                                   |
| DETAILS              |                |   |
| D-1                  | 18             | GAC VESSELS   |
| D-2                  | 19             | MISC DETAILS  |
| D-3                  | 20             | MISC DETAILS  |
| D-4                  | 21             | MISC DETAILS  |
| D-5                  | 22             | MISC DETAILS  |
| D-6                  | 23             | MISC DETAILS  |
| D-7                  | 24             | MISC DETAILS  |
| D-8                  | 25             | MISC DETAILS  |
| D-9                  | 26             | MISC DETAILS  |
| D-10                 | 27             | MISC DETAILS  |
| D-11                 | 28             | MISC DETAILS  |
| D-12                 | 29             | MISC DETAILS  |
| D-13                 | 30             | CITY DETAILS  |
| ELECTRICAL           |                |   |
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BID SET  
1/31/2024



WELL 8 TCP MITIGATION PROJECT

CITY OF HUGHSON  
HUGHSON, CA

GENERAL

COVER SHEET



DESIGN ENGINEER:  
KMM

LICENSE NO:  
75865

DRAFTED BY: JJB CHECKED BY: RKB

DATE: 1/31/2024

JOB NO: 265421001

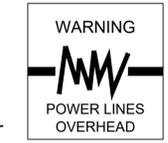
PROJECT NO:

PHASE:

ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.

SHEET **G-1**

1 OF 35



ABBREVIATIONS

Table of abbreviations and their corresponding full names, organized in columns.

LINETYPES

Table showing existing and new linetypes for various descriptions like WATER LEVEL, CONTOUR, FENCE, etc.

HATCHES

Table showing existing and new hatch types for descriptions like AGGREGATE BASE, CONCRETE, SAND, etc.

SYMBOLS

Table of symbols for existing and proposed items, including descriptions like ELECTRIC METER, PAD MOUNTED TRANSFORMER, etc.

Project information block including: WELL 8 TCP MITIGATION PROJECT, CITY OF HUGHSON, HUGHSON, CA, LEGEND & ABBREVIATIONS, DESIGN ENGINEER: KMM, LICENSE NO: 75865, DRAFTED BY: JB, CHECKED BY: RKB, DATE: 1/31/2024, JOB NO: 265421001, PROJECT NO: PHASE: ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS, SHEET G-2 OF 35.

Vertical text on the right edge containing copyright information and a small logo.

**CITY GENERAL NOTES**

- ALL WORK AND MATERIAL SHALL BE CONSTRUCTED TO THESE CONTRACT DOCUMENTS AND CITY OF HUGHSON STANDARD SPECIFICATIONS. THESE CONTRACT DOCUMENTS TAKE PRECEDENCE. ANY WORK CONSTRUCTED WITHOUT PROPER INSPECTION MAY BE SUBJECT TO REJECTION AND RECONSTRUCTION. FINAL ACCEPTANCE OF THE WORK SHALL BE BY THE CITY OF HUGHSON.
- CONTRACTOR MAY OBTAIN COPIES OF APPROVED CITY STANDARD SPECIFICATIONS FROM THE CITY OF HUGHSON FOR A NOMINAL FEE.
- CONTRACTOR SHALL CONSTRUCT FRONTAGE IMPROVEMENTS IN ACCORDANCE WITH ALL APPLICABLE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT.
- CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR SHALL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD THE CITY AND ITS DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE CITY OR ITS DESIGN PROFESSIONAL.
- CONSTRUCTION CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR SAFETY PRECAUTIONS AND THE MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES REQUIRED OF THE CONTRACTOR TO PERFORM HIS WORK, INCLUDING, BUT NOT LIMITED TO, THE DESIGN AND CONSTRUCTION OF SHORING, SCAFFOLDING, AND UNDERPINNING; TEMPORARY RETAINMENT OF EXCAVATIONS OR STRUCTURES; ERECTION METHODS; OR TEMPORARY BRACING.
- THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING RECORDS OF UTILITY COMPANIES. THE CITY AND ITS DESIGN PROFESSIONAL MAKE NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. NEITHER THE CITY NOR ITS DESIGN PROFESSIONAL WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED, ALTHOUGH THE CITY AND THE DESIGN PROFESSIONAL CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. NEITHER THE CITY NOR THE DESIGN PROFESSIONAL HAS PHYSICALLY LOCATED THE UNDERGROUND UTILITIES, AND THE CONSTRUCTION CONTRACTOR IS ADVISED TO UTILIZE HAND DIGGING METHODS TO VERIFY THE EXISTENCE AND LOCATIONS OF EXISTING UTILITIES.
- THE WORK EMBRACED HEREIN SHALL BE DONE IN ACCORDANCE WITH THE APPROPRIATE PROVISIONS OF THE CITY OF HUGHSON STANDARD SPECIFICATIONS WHICH HEREINAFTER ARE REFERRED TO AS THE STANDARD SPECIFICATIONS.
- PERMITS MUST BE OBTAINED AND FEES PAID IN ACCORDANCE WITH THE CITY OF HUGHSON.
- TRAFFIC REQUIREMENTS:
  - ALL SIGNING, DETOURING, AND BARRICADING SHALL CONFORM TO THE MANUAL TRAFFIC CONTROLS AND AMENDMENTS ISSUED BY THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION.
  - ALL SIGNS SHALL BE REFLECTORIZED FOR NIGHT TIME VISIBILITY.
  - HIGH LEVEL WARNING DEVICES SHALL BE USED ON ALL APPROACHES TO THE CONSTRUCTION AREA.
  - ONE TWELVE FOOT DRIVING LANE MUST BE MAINTAINED IN EACH DIRECTION AT ALL TIMES.
  - NO PUBLIC STREET SHALL BE CLOSED WITHOUT PRIOR APPROVAL FROM THE CITY ENGINEER.
  - STREET WORK PERMITS ISSUED TO ALLOW WORK IN THE PUBLIC RIGHT-OF-WAY SHALL BE REVOKED IF THE ABOVE REQUIREMENTS OF SUB-PARAGRAPHS A THROUGH E ARE NOT STRINGENTLY COMPLIED WITH BY THE CONTRACTOR'S FORCES DURING OFF-SITE STREET IMPROVEMENT CONSTRUCTION OPERATIONS. REVOKED PERMITS SHALL NOT BE RE-ISSUED UNTIL SUCH TIME AS THE PUBLIC WORKS DIRECTOR IS SATISFIED THAT THE CONTRACTORS WILL PERFORM THEIR OPERATIONS IN COMPLIANCE WITH THE ABOVE REQUIREMENTS, INCLUDING THE CONDITIONS OF THE STREET WORK PERMIT.
- EXISTING PAVEMENT SHALL NOT BE REMOVED UNTIL SUCH TIME AS ALL UTILITIES ARE COMPLETE AND PAVING CONTRACTOR IS READY TO REPAIR.
- THE CONTRACTOR SHALL OBTAIN WRITTEN AUTHORIZATION FROM ANY ADJACENT PROPERTY OWNER GIVING HIM PERMISSION TO ENTER HIS PROPERTY FOR PURPOSES OF CONSTRUCTING THE IMPROVEMENTS DELINEATED ON THESE PLANS AND TRANSITIONS THERETO. THE CONTRACTOR SHALL PROVIDE THE CITY WITH A COPY PRIOR TO START OF WORK.
- TWO WORKING DAYS PRIOR TO COMMENCING EXCAVATION, THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (U.S.A.). CALL TOLL FREE AT 811.
- CONTRACTOR SHALL OBTAIN A STREET ENCROACHMENT PERMIT PRIOR TO COMMENCING ANY WORK WITHIN THE PUBLIC RIGHT OF WAY. SAID ENCROACHMENT PERMIT MAY REQUIRE THE CONTRACTOR TO PUT UP A BOND TO GUARANTEE THE IMPROVEMENTS AND TO ADHERE TO STRICT TIME SCHEDULES FOR THE COMPLETION OF THE WORK.
- CONTRACTOR SHALL REPAIR OR REPLACE ANY CONCRETE IMPROVEMENTS THAT ARE BROKEN OR DAMAGED IN ANY MANNER BY HIS OPERATIONS.

**LANDSCAPING**

- THE CONTRACTOR SHALL REPLACE ALL LANDSCAPE IRRIGATION COMPONENTS (E.G. IRRIGATION PIPE, VALVES, CONTROLS, CONTROL WIRING, SPRAY HEADS, ETC.) DISTURBED DURING CONSTRUCTION.
- REPLACEMENT SPRAY HEADS SHALL BE OF A TYPE SUITABLE FOR PROVIDING FULL COVERAGE OF LANDSCAPING ACCOUNTING FOR CHANGES IN SPRAY HEAD AND PLANT LOCATIONS IF REQUIRED.

**DEMOLITION**

- UNLESS NOTED OTHERWISE ON THE PLANS, ALL DEMOLISHED MATERIALS AND DEBRIS SHALL BE DISPOSED OF BY THE CONTRACTOR.

**GENERAL**

- BEFORE COMMENCING EXCAVATION, THE CONTRACTOR SHALL NOTIFY ALL UTILITY AUTHORITIES OR UTILITY COMPANIES HAVING INTEREST IN THE WORK OF THE CONTRACTOR'S INTENTION TO EXCAVATE PROXIMATE TO EXISTING FACILITIES AND THE CONTRACTOR SHALL VERIFY THE LOCATION, DEPTH, AND SIZE OF ALL UTILITIES IN THE WORK AREA. THE WORK SHALL NOT BE COMMENCED UNTIL THE CONTRACTOR HAS FIRST BEEN PROVIDED AN INQUIRY IDENTIFICATION NUMBER FOR SUB-SURFACE INSTALLATIONS AS SPECIFIED IN SECTION 4216 OF THE GOVERNMENT CODE.
- CONTRACTOR SHALL NOTIFY AND COORDINATE ALL RELATED WORK WITH THE FOLLOWING AGENCIES:
  - CITY OF HUGHSON PUBLIC WORKS DEPARTMENT
  - CITY OF HUGHSON
  - COUNTY OF STANISLAUS PUBLIC WORKS DEPARTMENT
  - PG&E
- ALL WATER DISTRIBUTION SYSTEM MAINS AND SERVICE CONNECTIONS SHALL BE KEPT IN CONSTANT SERVICE DURING THE WORK. ALL PROJECT WELLS SHALL REMAIN IN SERVICE EXCEPT FOR LESS THAN ONE WEEK SCHEDULED SHUT-DOWNS COORDINATED WITH THE OWNER.
- THE CONTRACTOR SHALL PROVIDE RECORD DRAWINGS FOR ALL PROJECT IMPROVEMENTS.
- DETAILS AND NOTES ON TYPICAL SHEETS SHALL APPLY UNLESS SPECIFICALLY SHOWN OTHERWISE. DETAILS OF CONSTRUCTION NOT FULLY SHOWN SHALL BE OF THE SAME NATURE AS SHOWN FOR SIMILAR CONDITIONS.
- ALL DIMENSIONS ARE TO BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING WORK OR FABRICATION. IF ANY CONDITION EXISTS THAT IS NOT AS SHOWN ON THE DRAWINGS THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
- DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS SHALL HAVE PRECEDENCE OVER SCALED DRAWINGS.
- ALL WORK SHALL BE PERFORMED BY LICENSED CONTRACTOR(S) USING MATERIALS AND METHODS IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE 2022 CALIFORNIA BUILDING CODE (CBC), LOCAL CODES AND ORDINANCES.
- ANY CHANGES TO THE APPROVED SET OF PLANS WITHOUT NOTIFYING THE ENGINEER PRIOR TO SUCH CHANGES ABSOLVES SAID ENGINEER FROM ANY AND ALL RESPONSIBILITY WITH RESPECT TO THE LIABILITY, DAMAGE OR EXTRA WORK RESULTING FROM SAID CHANGES.
- BUILDING PERMITS MUST BE OBTAINED BEFORE STARTING CONSTRUCTION.
- ALL WORK SHALL CONFORM TO THE LATEST APPLICABLE CONSTRUCTION SAFETY REQUIREMENTS OF OSHA AND ANY OTHER GOVERNMENTAL ENTITY HAVING JURISDICTION.
- THE DUTY OF THE ENGINEER TO CONDUCT CONSTRUCTION REVIEW OF THE CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES IN, ON, OR NEAR THE CONSTRUCTION SITE.
- ANY SUPPORT SERVICES PERFORMED BY THE ENGINEER OR FIELD REPRESENTATIVES DURING CONSTRUCTION SHALL BE DISTINGUISHED FROM CONTINUOUS AND DETAILED INSPECTION SERVICES WHICH ARE FURNISHED BY OTHERS. THESE SUPPORT SERVICES PERFORMED BY THE ENGINEER WHETHER PERFORMED PRIOR TO, DURING, OR AFTER COMPLETION OF CONSTRUCTION ARE PERFORMED SOLELY FOR THE PURPOSE OF ASSISTING IN QUALITY CONTROL AND IN ACHIEVING CONFORMANCE WITH CONTRACT DRAWINGS AND SPECIFICATIONS, BUT THEY DO NOT GUARANTEE CONTRACTOR'S PERFORMANCE AND SHALL NOT BE CONSTRUED AS SUPERVISION OF CONSTRUCTION.

**PIPING**

- PIPE MATERIALS
  - ALL BURIED PRESSURE PIPING WITHIN THE SITE PROPERTY LINES SHALL BE DUCTILE IRON PIPE CONFORMING TO SPECIFICATION 40 05 00 UNLESS OTHERWISE NOTED.
  - ABOVE-GRADE PIPING 4 INCHES AND LARGER SHALL BE DUCTILE IRON OR WELDED STEEL PIPE WITH FLANGED OR GROOVED CONNECTIONS CONFORMING TO SPECIFICATION 40 05 00 UNLESS OTHERWISE NOTED
  - ALL STORM DRAIN PIPING WITHIN THE PUBLIC RIGHT OF WAY SHALL BE ASTM C76 CLASS 3 RUBBER GASKETED PIPE UNLESS OTHERWISE NOTED.
  - ALL SODIUM HYPOCHLORITE PIPING SHALL BE 1/2-INCH POLYETHYLENE TUBING INSIDE OF EPVC CONDUIT CONFORMING TO SPECIFICATION 40 05 00 UNLESS OTHERWISE NOTED.
  - DRAIN PIPING 4 INCHES AND SMALLER SHALL BE ASTM D 3034, SDR 35, UNLESS NOTED OTHERWISE.
- RESTRAIN ALL ON-SITE PRESSURE PIPING IN ACCORDANCE WITH SPECIFICATION 40 05 00, PARAGRAPH 3.5. THRUST BLOCKS WILL NOT BE ACCEPTABLE.
- ALL VALVES WHICH IN THE OPEN POSITION WOULD ALLOW UNTREATED WATER TO BYPASS THE EXISTING TREATMENT PROCESS SHALL BE EQUIPPED WITH A LOCKOUT DEVICE:
  - BURIED GATE VALVES SHALL BE EQUIPPED WITH A LOCKING DEBRIS CAP. SW SERVICES LOCKING DEBRIS CAP OR EQUAL.
  - ABOVE-GRADE VALVE HANDWHEELS SHALL BE EQUIPPED WITH A LOCKOUT DEVICE. ULINE, BRADY LOCKING COVER OR EQUAL.
  - LOCKOUT DEVICE LABELS SHALL STATE "CONTACT THE CITY OF HUGHSON WATER DIVISION PRIOR TO OPENING THIS VALVE."
- THE WORK CONTAINED HEREIN SHALL COMPLY WITH TITLE 22 SECTION 64572 OF THE CALIFORNIA CODE OF REGULATIONS. REFER TO WATER MAIN SEPARATION REQUIREMENTS DETAIL.
- ALL ABOVE GRADE PIPE SHALL BE PAINTED WITH THE COATING SYSTEM SPECIFIED IN SECTION 09 00 00 OF THE SPECIFICATIONS. PIPE COLOR SHALL BE AS SELECTED BY THE OWNER.
- ALL HARDWARE FOR BURIED PIPE CONNECTIONS SHALL BE STAINLESS STEEL REGARDLESS OF TYPE (RESTRAINED MJ, FLANGE, ETC.).
- NEW WATER MAINS, GAC VESSELS, TANKS, AND TREATMENT EQUIPMENT SHALL BE DISINFECTED AND TESTED IN ACCORDANCE WITH THE SPECIFICATIONS PRIOR TO BEING PLACED INTO SERVICE.

**GRADING**

- THE WORK EMBRACED HEREIN SHALL BE DONE IN ACCORDANCE WITH THE APPROPRIATE PROVISIONS OF CHAPTER 33 OF 2022 CALIFORNIA BUILDING CODE AS ADOPTED.
- THE WORK EMBRACED HEREIN SHALL NOT BE COMMENCED UNTIL THE OWNER OF THE PROPERTY OR THE CONTRACTOR HAS FIRST BEEN PROVIDED AN INQUIRY IDENTIFICATION NUMBER FOR SUB-SURFACE INSTALLATIONS AS SPECIFIED IN SECTION 4216 OF THE GOVERNMENT CODE.
- A GRADING PERMIT OR VOUCHER SHALL BE OBTAINED FROM THE CITY OF HUGHSON PRIOR TO ANY GRADING AND PAVING WORK FOR THIS PROJECT.
- THE CONTRACTOR SHALL OBTAIN WRITTEN AUTHORIZATION FROM ANY PROPERTY OWNER GIVING HIM PERMISSION TO ENTER HIS PROPERTY FOR THE PURPOSES OF CONSTRUCTING THE IMPROVEMENTS DELINEATED ON THE PLANS AND TRANSITIONS THERETO.
- ANY DIRT OR DEBRIS TRACKED ONTO ANY EXISTING ROAD FROM THIS PROJECT SHALL BE CLEANED OFF AT THE END OF EACH WORKING DAY TO THE SATISFACTION OF THE CITY.
- BEFORE COMMENCING WORK, THE CONTRACTOR SHALL NOTIFY ALL UTILITY AUTHORITIES OR UTILITY COMPANIES HAVING POSSIBLE INTEREST IN THE WORK OF THE CONTRACTOR'S INTENTION TO EXCAVATE PROXIMATE TO EXISTING FACILITIES AND THE CONTRACTOR SHALL VERIFY THE LOCATION OF ANY UTILITIES IN THE WORK AREA. THE CONTRACTOR SHALL NOTIFY U.S.A. TWO (2) DAYS PRIOR TO BEGINNING ANY EXCAVATION.
- PROVIDE THE CITY OF HUGHSON WITH "AS BUILT" PLANS UPON COMPLETION OF GRADING
- ANY VERTICAL CUT OR FILL DIFFERENTIAL EQUAL TO OR GREATER THAN TWELVE (12) INCHES BETWEEN ADJACENT PROPERTIES SHALL BE SUPPORTED BY AN APPROVED RETAINING WALL.
- DIFFERENTIALS LESS THAN TWELVE (12) INCHES ARE TO HAVE A MAXIMUM SLOPE OF ONE (1) VERTICAL TO TWO (2) HORIZONTAL.
- GRADING CONTRACTOR SHALL REMOVE ALL ORGANIC MATTER, DEBRIS, AND OTHER DELETERIOUS OR EXCESS MATERIAL FROM THE SITE AND DISPOSE OF AT AN APPROVED LOCATION.
- ANY SURVEY MONUMENTS WITHIN THE AREA OF WORK SHALL BE PRESERVED OR RESET BY A LICENSED LAND SURVEYOR.
- THE CONTRACTOR SHALL MAKE ADEQUATE PROVISION FOR DUST CONTROL FOR THE DURATION OF THE WORK. DUST CONTROL MEASURES SHALL BE FULLY AND ADEQUATELY CARRIED OUT ON WEEKDAYS, WEEKENDS AND HOLIDAYS, AND WHEN NECESSARY, BEFORE OR AFTER NORMAL WORKING HOURS.
- PRIOR TO THE LAYING OF THE SUB BASE OR BASE ON THE ROADWAY, THE CITY'S ENGINEER SHALL CERTIFY THAT THE SUB GRADE ELEVATIONS ARE IN CONFORMANCE WITH THE APPROVED PLANS.
- ALL SEWER, STORM DRAIN AND UTILITY MANHOLES AFFECTED BY THIS PROJECT SHALL BE ADJUSTED TO GRADE AS NECESSARY BY THE CONTRACTOR AND INCLUDED IN THIS WORK. ALL WATER MAIN VALVES (CAP AND LID) SHALL BE ADJUSTED TO GRADE AS NECESSARY BY THE CONTRACTOR AND INCLUDED IN THIS WORK.
- THE COSTS OF ALL REPEAT TESTING REQUIRED FOR ACCEPTANCE OF WORK SHALL BE FULLY BORNE BY THE CONTRACTOR.
- PERMANENT TRENCH RESURFACING TO BE PER CITY STANDARD, OR AS DETAILED.
- TEMPORARY TRENCH RESURFACING TO BE A MINIMUM 4" THICK COLD MIX.
- TRENCH CUTS IN EXISTING STREETS THAT ARE NOT TO BE RECONSTRUCTED OR OVERLAID SHALL HAVE PERMANENT TRENCH RESURFACING INSTALLED WITHIN SEVEN (7) DAYS AFTER INITIAL STREET CUT.

**DIVISION OF DRINKING WATER NOTES**

- ALL CHEMICALS USED IN THE WATER SYSTEM, INCLUDING CHLORINE, SHALL BE CERTIFIED UNDER NSF/ANSI STANDARD 60.
- ALL MATERIALS THAT COME INTO CONTACT WITH THE WATER SHALL BE LEAD-FREE UNDER NSF/ANSI STANDARD 61 TO DEMONSTRATE THE MATERIAL DOES NOT LEACH ANY CONTAMINANTS INTO THE DRINKING WATER.

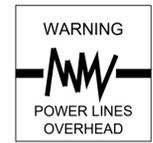
**PIPING SCHEDULE**

| PROCESS ABBREVIATIONS | SERVICE         | LOCATION                   | CLASSIFICATION | PIPE MATERIAL    | THICKNESS/PRESSURE CLASS | RESTRAINED JOINTS | JOINTS/FITTINGS                        | TEST PRESSURE | TEST METHOD                                   | LINING | COATING  |
|-----------------------|-----------------|----------------------------|----------------|------------------|--------------------------|-------------------|--|---------------|---|--------|----------|
| INF                   | GAC INFLUENT    | EXPOSED                    | PRESSURE       | WSP              | PER §40 05 00            | RESTRAINED        | FLG or GE                              | 100 PSI       | PER §40 05 00                                 | FBE    | FBE      |
|                       |                 | BURIED                     | PRESSURE       | DIP              | PER §40 05 00            | RESTRAINED        | PO or MJ                               | 100 PSI       | PER §40 05 00                                 | CM     | BSC, PEE |
| EFF                   | GAC EFFLUENT    | EXPOSED                    | PRESSURE       | WSP              | PER §40 05 00            | RESTRAINED        | FLG or GE                              | 100 PSI       | PER §40 05 00                                 | FBE    | FBE      |
|                       |                 | BURIED                     | PRESSURE       | DIP              | PER §40 05 00            | RESTRAINED        | PO or MJ                               | 100 PSI       | PER §40 05 00                                 | CM     | BSC, PEE |
| WW                    | WASHWATER       | EXPOSED                    | PRESSURE       | WSP              | PER §40 05 00            | RESTRAINED        | FLG or GE                              | 100 PSI       | PER §40 05 00                                 | FBE    | FBE      |
| BW                    | BACKWASH SUPPLY | BURIED                     | PRESSURE       | DIP              | PER §40 05 00            | RESTRAINED        | PO or MJ                               | 100 PSI       | PER §40 05 00                                 | CM     | BSC, PEE |
| SD                    | STORM DRAIN     | BURIED                     | GRAVITY        | HDPE             | PER §40 05 00            | UNRESTRAINED      | PO or MJ                               | 3 PSI         | PER §40 05 00                                 | -      | -        |
| PW                    | POTABLE WATER   | BURIED                     | PRESSURE       | DIP              | PER §40 05 00            | RESTRAINED        | PO or MJ                               | 100 PSI       | PER §40 05 00                                 | CM     | BSC, PEE |
|                       |                 | BURIED                     | PRESSURE       | C900             | PER §40 05 00            | RESTRAINED        | PO or MJ                               | 100 PSI       | PER §40 05 00                                 | -      | -        |
|                       | C900            | AWWA C900 STANDARD         | FLG            | FLANGE           |                          | BSC               | BITUMINOUS SEAL COATED PER AWWA C105   | FBE           | FUSION BONDED EPOXY \$09 97 61                |        |          |
|                       | DIP             | DUCTILE IRON PIPE          | GE             | GROOVED END      |                          | CM                | CEMENT MORTAR PER AWWA C104            | PEE           | POLYETHYLENE ENCASUREMENT \$40 05 00 PER AWWA |        |          |
|                       | PVCG            | POLYVINYL CHLORIDE GRAVITY | MJ             | MECHANICAL JOINT |                          |                   |  |               |   |        |          |
|                       | WSP             | WELDED STEEL PIPE          | PO             | PUSH ON JOINT    |                          | EP                | EPOXY POLYURETHANE \$09 99 00 SYSTEM 2 |               |   |        |          |

**CONCRETE NOTES**

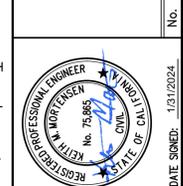
- ALL CONCRETE SHALL BE NORMAL WEIGHT CONSISTING OF TYPE II/V PORTLAND CEMENT, FINE AGGREGATE, COARSE AGGREGATE, AND WATER (SLUMP SHALL NOT EXCEED 4 INCHES ±1 INCH). THE CONCRETE SHALL BE PLACED WITHIN ONE AND ONE-HALF HOURS FROM THE TIME WATER IS INTRODUCED TO YIELD AT 28 DAYS A MINIMUM COMPRESSIVE STRENGTH WITH AN EXPOSURE CATEGORY (IF NOT OTHERWISE SPECIFIED) AS FOLLOWS:
 

|  |  |
|--|--|
| PAVING, EXTERIOR SLABS, AND SIDEWALKS EXPOSED TO FREEZING                    | 3,500 PSI, F1, S0, W1, C1 (W/C MAX 0.55)               |
| PAVING, EXTERIOR SLABS, AND SIDEWALKS STRUCTURAL FOOTINGS AND INTERIOR SLABS | 2,500 PSI, F0, S0, W1, C1<br>3,000 PSI, F0, S0, W1, C1 |
| ALL OTHER STRUCTURAL CONCRETE  | 4,000 PSI, F0, S0, W0, C0                              |
- CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 318 (LATEST EDITION).
- CONCRETE MIXING SHALL COMPLY WITH ASTM C94.
- SUBMIT CONCRETE LIFT DRAWINGS SHOWING THE LOCATION OF CONSTRUCTION JOINTS AND OTHER TYPES OF JOINTS OTHER THAN SPECIFIED OR SHOWN ON THE DRAWINGS FOR FAVORABLE REVIEW BY THE ENGINEER BEFORE START OF WORK ON FORMS, REINFORCING STEEL OR PLACING CONCRETE. ANY ADDITIONAL VERTICAL OR HORIZONTAL CONSTRUCTION JOINTS SHALL HAVE A STANDARD KEYWAY AND SHALL BE REVIEWED BY THE ENGINEER. REFER TO SPECIFICATIONS AND TYPICAL DETAILS FOR ADDITIONAL INFORMATION. CONSTRUCTION JOINTS SHALL BE ROUGHENED TO 1/4" AMPLITUDE.
- OPENINGS, PIPE SLEEVES, CONDUITS, INSERTS, AND OTHER EMBEDDED ITEMS SHALL BE IN PLACE BEFORE CONCRETE IS PLACED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE ARCHITECTURAL, CIVIL, MECHANICAL, ELECTRICAL, LANDSCAPING, HVAC, PLUMBING, INSTRUMENTATION, AND OTHER PLANS FOR ITEMS REQUIRING SLEEVES AND EMBEDMENTS IN CONCRETE WHICH ARE NOT INDICATED OR SHOWN ON STRUCTURAL DRAWINGS. NO PIPES OR SLEEVES SHALL PASS THROUGH STRUCTURAL MEMBERS UNLESS SHOWN ON STRUCTURAL DRAWINGS. COORDINATE WITH EQUIPMENT MANUFACTURER'S DRAWINGS FOR ANCHORING DEVICES.
- CONCRETE SHALL BE PREVENTED FROM PREMATURE DRYING FOR A CURING PERIOD OF AT LEAST SEVEN DAYS AFTER IT IS PLACED. EXPOSED SURFACES SHALL BE KEPT CONTINUOUSLY MOIST FOR THE ENTIRE PERIOD. IN LIEU OF WATER CURING, THE CONCRETE SHALL BE PROTECTED BY SPRAYING WITH A [NSF] APPROVED CURING COMPOUND. ALL SURFACES SHALL BE KEPT MOIST UNTIL THE COMPOUND IS APPLIED. CONTROL JOINTS SHALL BE PLACED NO GREATER THAN 3X SLAB THICKNESS IN FEET NOR 20 FEET APART IN BOTH DIRECTIONS WITHIN 8 HOURS OF THE CONCRETE PLACEMENT ON ALL CONCRETE SLABS. PROVIDE CONTROL JOINTS IN UNREINFORCED SLABS PER PCA GUIDELINES.
- ALL EXTERIOR SLABS SHALL BE SLOPED TO ALLOW DRAINAGE OF RUNOFF WATER TO PREVENT PONDING.
- UNLESS NOTED OTHERWISE, ALL EXPOSED EDGES AND CORNERS SHALL BE CHAMFERED 3/4 INCH. INTERIOR FLOORS AND EXTERIOR SIDEWALKS SHALL HAVE TOOLED 3/8 INCH RADIUS CONSTRUCTION JOINTS.
- ALL SLABS SHALL HAVE A TROWELED FINISH WITH A FF=35 AND A FL=25 MINIMUM UNO.



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1/31/2024



WELL 8 TCP MITIGATION PROJECT  
CITY OF HUGHSON  
HUGHSON, CA  
GENERAL

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DATE: 1/31/2024  
JOB NO: 265421001  
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PHASE:  
0 1"  
ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.  
SHEET **G-3**  
3 OF 35

| REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION (CBC TABLE 1705.3)  |            |          |   |  |
|---|------------|----------|---|--|
| VERIFICATION AND INSPECTION   | CONTINUOUS | PERIODIC | COMMENTS  | REFERENCES   |
| 1. INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS AND PLACEMENT  |            | X        |   | ACI 318 CH. 20, 25.2, 25.3, 26.6.1, 26.6.3         |
| B. REINFORCING STEEL  |            |          |   | TABLE 1705A.3, ITEM 2                              |
| 1) VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A706  |            | X        |   |  |
| 2) REINFORCING STEEL RESISTING FLEXURAL AND AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, AND BOUNDARY ELEMENTS OF SPECIAL STRUCTURAL WALLS OF CONCRETE AND SHEER REINFORCEMENT | X          |          | SPECIAL INSPECTIONS IN THIS SECTION ARE WAIVED WHERE FABRICATION IS PERFORMED ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED IN ACCORDANCE WITH CBC SECTION 1704.2 | AWS D1.4, ACI 318, SECTION 3.5.2 CBC 1704.3.1      |
| 3) SHEAR REINFORCEMENT  | X          |          |   |  |
| 4) OTHER REINFORCING STEEL  |            | X        |   |  |
| 3. INSPECTION OF ANCHORS CAST IN CONCRETE WHERE ALLOWABLE LOADS HAVE BEEN INCREASED OR WHERE STRENGTH DESIGN IS USED  |            | X        |   | ACI 318, 17.8.2                                    |
| 4. POST-INSTALLED ANCHORS   |            |          |   |  |
| 4.1 CONFORMANCE WITH CONSTRUCTION DOCS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS   |            |          |   |  |
| 4.2 HOLE DRILLING METHOD  | *          | X        | *ADHESIVE ANCHORS IN OVERHEAD OR HORIZONTAL CONDITION SHALL BE CONTINUOUS INSPECTION  | ACI 318, 17.8.2.4                                  |
| 4.3 ANCHOR EDGE DISTANCE AND SPACING  |            |          |   | ACI 318, 17.8.2                                    |
| 4.4 HOLE DIAMETER AND DEPTH   |            |          |   |  |
| 4.5 HOLE CLEANING   |            |          |   |  |
| 4.6 ANCHOR TYPE, MATERIAL, DIAMETER AND LENGTH  |            |          |   |  |
| 4.7 ADHESIVE TYPE AND EXPIRATION DATE   |            |          |   |  |
| 4a. PROOF LOADING IN OVERHEAD ORIENTATION   | X          |          |   | ALL TYPES AND 10% OF ANCHORS                       |
| 5. VERIFYING USE OF REQUIRED DESIGN MIX   |            | X        |   | ACI 318, CH. 19, 26.4.3, 26.4.4 CBC 1904.1, 1904.2 |
| 6. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE                    | X          |          |   | ASTM C172<br>ASTM C81<br>ACI 318, 26.12, 26.5      |
| 7. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES   | X          |          |   | ACI 318, 26.5                                      |
| 8. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES  |            | X        |   | ACI 318, 26.5.3-26.5.5                             |
| 9. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED  |            | X        |   | ACI 318, 26.11.2                                   |

| REQUIRED VERIFICATION AND INSPECTION OF SOILS (CBC TABLE 1705.6)  |            |          |          |            |
|---|------------|----------|----------|------------|
| VERIFICATION AND INSPECTION   | CONTINUOUS | PERIODIC | COMMENTS | REFERENCES |
| 1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY                   |            | X        |          |            |
| 2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL                                 |            | X        |          |            |
| 3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS   |            | X        | z        | CBC 1705.6 |
| 4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL | X          |          |          |            |
| 5. PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY           |            | X        |          |            |

**SOIL AND FOUNDATION NOTES**

- ALL CONCRETE FOOTINGS AND SLABS SHALL BEAR UPON AND/OR PENETRATE INTO PROPERLY COMPACTED FILL WHICH SHALL HAVE A MINIMUM IN-PLACE DENSITY OF 90% OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT AT THE PROJECT SITE. IN CASE OF EXPANSIVE CLAY SOIL CONDITIONS, THE OWNER MUST CONSULT WITH A GEOTECHNICAL ENGINEER AND THE FOUNDATION PLAN MUST BE APPROVED BY THE GEOTECHNICAL ENGINEER.
- FOUNDATION WORK TO BE DONE PER 2019 CBC, CHAPTER 18.
- THE SOILS IN HUGHSON ARE GENERALLY CLASSIFIED AS "D".
- ENGINEERING DESIGN OF FOUNDATION IS BASED ON:  
 GEOTECHNICAL INVESTIGATION REPORT TITLED: GEOTECHNICAL ENGINEERING INVESTIGATION REPORT PROPOSED TCP TREATMENT FACILITY  
 DATE WHEN GEOTECHNICAL REPORT WAS PREPARED: MARCH 22, 2022  
 NAME OF GEOTECHNICAL ENGINEERING COMPANY: BSK ASSOCIATES  
 PHONE NUMBER OF GEOTECHNICAL ENGINEER: (559) 497-2880
- ENGINEERING DESIGN OF FOUNDATION IS BASED ON:  
 a) ASSUMED ALLOWABLE SOIL BEARING CAPACITY OF 3,700 PSF FOR DEAD AND LIVE LOADS AND 4,920 PSF FOR WIND AND SEISMIC LOAD COMBINATIONS  
 b) EXPANSION INDEX NOT GREATER THAN 20;  
 c) ALLOWABLE SOIL FRICTION COEFFICIENT OF 0.25;  
**SHOULD THE ACTUAL SOIL CONDITIONS NOT BE EQUAL TO OR BETTER THAN THE MINIMUM REQUIREMENTS SHOWN ABOVE, NOTIFY THE ENGINEER OF RECORD IMMEDIATELY.**
- NOTIFY THE GEOTECHNICAL ENGINEER FOR INSTRUCTIONS PRIOR TO CONTINUING WORK SHOULD ANY UNUSUAL CONDITIONS BECOME APPARENT DURING GRADING OR FOUNDATION EXCAVATION. THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING THE RECOMMENDATIONS OUTLINED IN THE GEOTECHNICAL REPORT.
- SOIL SHALL BE EXCAVATED TO THE ELEVATIONS INDICATED ON THE DRAWINGS FOR FILTER VESSEL FOUNDATIONS.
- ALL FOUNDATION EXCAVATIONS MUST BE REVIEWED AND APPROVED PRIOR TO PLACEMENT OF CONCRETE.

| REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION   |            |          |  |   |
|--|------------|----------|--|---|
| TYPE   | CONTINUOUS | PERIODIC | REFERENCED STANDARD  | CBC REFERENCE*                          |
| 1. MATERIAL IDENTIFICATION AND TESTING OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS  |            |          |  |   |
| A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS   |            | X        | RCSC: 1.5, AISC 360: A3.3, J3.1 AND APPLICABLE ASTM MATERIAL STANDARDS | 2202A.1, [DSA-SS/ CC] 2202.1            |
| B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED   |            | X        | RCSC: 1.5 & 2.1, AISC 360: A3.3 & N3.2                                 |   |
| C. TESTING OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS  |            |          | RCSC: 7.2, APPLICABLE ASTM MATERIAL STANDARDS                          | 1705A.2.6, [OSHPD 1 & 4] 2215A.1        |
| 2. INSPECTION OF HIGH-STRENGTH BOLTING   |            |          |  |   |
| A. SNUG-TIGHT JOINTS   |            | X        |  |   |
| B. PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OF-NUT WITH MATCHMARKING, TWIST-OFF BOLT OR DIRECT TENSION INDICATOR METHODS OF INSTALLATION |            | X        | RCSC: 7-9, AISC 360: J3.1, J3.2, M2.5 & N5.6                           | 1705A.2.6, 2204A.2, [DSA-SS/ CC] 2204.2 |
| C. PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OF-NUT WITHOUT MATCHMARKING OR CALIBRATED WRENCH METHODS OF INSTALLATION                     | X          |          |  |   |
| 3. MATERIAL VERIFICATION OF STRUCTURAL STEEL AND COLD-FORMED STEEL DECK  |            |          |  |   |
| A. FOR STRUCTURAL STEEL, IDENTIFICATION MARKINGS TO CONFORM TO AISC 360  |            | X        | AISC 360: A3.1   | 2202A.1, [DSA-SS/ CC] 2202.1            |
| B. FOR OTHER STEEL, IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS                        |            | X        | APPLICABLE ASTM MATERIAL STANDARDS                                     | 2202A.1, [DSA-SS/ CC] 2202.1            |
| C. MANUFACTURER'S CERTIFIED TEST REPORTS   |            | X        | AISC 360: A3.1 & N3.2  |   |
| D. TESTING OF UNIDENTIFIED STEEL   |            |          | APPLICABLE ASTM MATERIAL STANDARDS                                     | 2202A.1, [DSA-SS/ CC] 2202.1            |
| 4. MATERIAL IDENTIFICATION OF WELDING CONSUMABLES AND TESTING OF WELDED ELEMENTS   |            |          |  |   |
| A. IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS  |            | X        | AISC 360: A3.5 & N3.2 AND APPLICABLE AWS A5 DOCUMENTS                  |   |
| B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED   |            | X        | AISC 360: N3.2   |   |
| C. NONDESTRUCTIVE TESTING OF WELDED JOINTS   |            |          | AISC 360: N5.5   |   |
| 5. INSPECTION OF WELDING   |            |          |  |   |
| A. STRUCTURAL STEEL AND COLD-FORMED STEEL DECK   |            |          |  |   |
| 1) COMPLETE AND PARTIAL JOINT PENETRATION GROOVE WELDS   | X          |          |  |   |
| 2) MULTIPASS FILLET WELDS  | X          |          | AISC 360: J2, M2.4, & M4.5, AWS D1.1 & D1.8                            | 1705A.2.1, 1705A2.5                     |
| 3) SINGLE-PASS FILLET WELDS > 5/16"  | X          |          |  |   |
| 4) PLUG AND SLOT WELDS   | X          |          |  |   |
| 5) SINGLE-PASS FILLET WELDS <= 5/16"   |            | X        |  |   |
| 6) FLOOR AND ROOF DECK WELDS   |            | X        | AWS D1.3, SDI QA/QC  | 1705A.2.1, 1705A2.2 & 1705A2.5          |
| 7) END-WELDED STUDS  |            | X        | AWS D1.1   | 1705A.2.5, [DSA-SS/ CC] 2216.2          |
| 8) WELDED SHEET STEEL FOR COLD-FORMED FRAMING MEMBERS  |            | X        | AWS D1.3   | 1705A.2.5 & 1705A2.4.1                  |
| B. REINFORCING STEEL   |            |          |  |   |
| 6. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE  |            |          |  |   |
| A. DETAILS SUCH AS BRACING AND STIFFENERS  |            | X        |  |   |
| B. MEMBER LOCATIONS  |            | X        | AISC 360: N5.8   | 1705A.2.1                               |
| C. APPLICATION OF JOINT DETAILS AT EACH CONNECTION   |            | X        |  |   |
| a. WHERE APPLICABLE, SEE ALSO SECTION 1705A.13, SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE   |            |          |  |   |

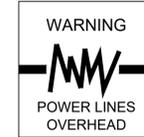
**REINFORCING STEEL NOTES**

- ALL REBAR SHALL BE ASTM A615-GRADE 60. (EXCEPT FOR MASONRY WHICH SHALL BE GRADE 40)
- WELDED WIRE FABRIC SHALL CONFORM TO ASTM A1064.
- ALL BARS SHALL BE FREE OF EXCESSIVE RUST, MUD, OIL, AND GREASE.
- ARRANGEMENT AND DETAILING OF REINFORCING STEEL, INCLUDING BAR SUPPORTS AND SPACERS, SHALL BE IN ACCORDANCE WITH THE LATEST ACI 315 DETAILING MANUAL.
- REINFORCING SHALL LAP A MINIMUM OF 1.3 Ld AT SPLICES UNLESS OTHERWISE SHOWN, WHERE Ld IS THE TENSION DEVELOPMENT LENGTH. WHEN BARS OF DIFFERENT SIZE LAP TO EACH OTHER, SPLICE LENGTH FOR THE SMALLER BAR CAN BE USED. DOWELS SHALL HAVE THE SAME SIZE AND SPACING AS THAT OF THE REINFORCING STEEL THEY ARE SPLICING AND SHALL HAVE A MINIMUM LAP AS NOTED ABOVE. BAR SPLICES SHALL BE STAGGERED.
- HOOK BARS AT OPENINGS.
- TERMINATE ALL BARS IN LAPS OR 90° BENDS.
- ALL REINFORCING MAY LAP WITH COUPLERS WHICH ARE 125% OF BAR STRENGTH OR GREATER. SUBMIT AN ICC REPORT FOR COUPLERS.
- IF ONE LAYER OF REINFORCING STEEL IS SHOWN, IT IS TO BE LOCATED IN THE CENTER OF THE SECTION UNLESS NOTED OTHERWISE.
- DIMENSIONS TO REINFORCING ARE TO BAR CENTERLINES, UNLESS NOTED OTHERWISE. BAR COVER IS CLEAR DISTANCE BETWEEN THE BAR AND THE CONCRETE SURFACE. UNLESS NOTED OR SHOWN OTHERWISE, BAR COVER FOR REINFORCING STEEL SHALL BE AS FOLLOWS:

| CONCRETE REINFORCEMENT COVER                                     |            |
|--|------------|
| SIZE   | COVER (IN) |
| CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH ALL SIZES | 3          |
| CONCRETE EXPOSED TO EARTH OR WEATHER                             |            |
| #6 - #18 BAR   | 2          |
| #5 BAR, W31 OR D31 WIRE, AND SMALLER                             | 1 1/2      |
| CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND        |            |
| #14 & #18 BARS   | 1 1/2      |
| #11 BAR & SMALLER  | 3/4        |

**STEEL NOTES**

- ALL EXPOSED STEEL SHALL BE HOT DIP GALVANIZED.
- STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING, UNLESS SPECIFIED OTHERWISE:  
 a. STRUCTURAL SHAPES M, S, HP, C, MC, L, AS PER AISC MANUAL 13th EDITION, TO COMPLY WITH ASTM A36 (Fy=36 ksi) UNLESS NOTED OTHERWISE.  
 b. STRUCTURAL SHAPES W, AISC MANUAL 13th EDITION, TO COMPLY WITH ASTM A992 (Fy=50 ksi) UNLESS NOTED OTHERWISE.  
 c. STRUCTURAL STEEL TUBING, AS PER AISC MANUAL 13th EDITION, TO COMPLY WITH ASTM A500 GRADE B (Fy=46 ksi) UNLESS NOTED OTHERWISE.  
 d. STRUCTURAL STEEL PIPE, AS PER AISC MANUAL 13th EDITION, TO COMPLY WITH ASTM A53 GRADE B (Fy=35 ksi) UNLESS NOTED OTHERWISE.
- ANY MATERIAL REQUEST WITH DIFFERENT SPECIFICATIONS THAN NOTED ABOVE ARE TO BE DIRECTED TO THE DESIGNER, IN A TIMELY MANNER, PRIOR TO CONSTRUCTION AND/OR INSTALLATION. ANY ITEM OF A DIFFERENT SPECIFICATION INSTALLED, WITHOUT SPECIFIC PRIOR WRITTEN APPROVAL MAY NOT MEET THE PROJECT ENGINEERING REQUIREMENTS NECESSITATING A REMOVAL AND/OR SIGNIFICANT REVISION TO ITEMS INSTALLED.
- STRUCTURAL STEEL DETAILING, FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH THE 13th EDITION OF THE AISC MANUAL AND THE LATEST EDITION OF STRUCTURAL STEEL DETAILING BY THE AISC.
- A STEEL BUILDING IS STRUCTURALLY STABLE WHEN ALL ASPECTS OF THE DESIGN SHOWN ON THESE DRAWINGS ARE COMPLETED. THE CONTRACTOR SHALL DETERMINE WHEN AND WHERE TEMPORARY BRACING IS NEEDED.
- WELDS SHALL BE MADE WITH WIRE OR ELECTRODE HAVING A MINIMUM TENSILE STRENGTH OF 70,000 PSI, UNLESS NOTED OTHERWISE.



**SPECIAL INSPECTION NOTES**

- THE CONTRACTOR SHALL NOTIFY THE [OWNER] 48 HOURS BEFORE PLACEMENT OF REINFORCING STEEL AND CONCRETE SO THAT THE SUBGRADE OF EXCAVATIONS MAY BE INSPECTED BY THE GEOTECHNICAL ENGINEER. THE GEOTECHNICAL ENGINEER SHALL VERIFY BACKFILL MATERIAL, BACKFILLING PROCEDURES AND SOIL COMPACTION TESTS.
- STRUCTURAL OBSERVATION SHALL BE PROVIDED BY THE DESIGN ENGINEER(S) OF RECORD OR THEIR AUTHORIZED REPRESENTATIVES IN ACCORDANCE WITH CBC 2022, SECTION 1704. ALL RISK CATEGORY III AND IV STRUCTURES SHALL HAVE STRUCTURAL OBSERVATION. STRUCTURAL OBSERVATION SHALL CONSIST OF SITE VISITS AT INTERVALS APPROPRIATE TO THE STAGE OF CONSTRUCTION TO OBSERVE CONSTRUCTION IN PROGRESS AND REVIEW OF TESTING AND INSPECTION REPORTS FOR GENERAL COMPLIANCE WITH THE CONSTRUCTION DOCUMENTS RELATING TO THE STRUCTURAL WORK AND THE NONSTRUCTURAL COMPONENTS AND EQUIPMENT ANCHORAGE. SPECIAL INSPECTION IN ACCORDANCE WITH CBC 2022 SECTIONS 1704 & 1705, SHALL BE REQUIRED AS INDICATED IN THE SPECIAL INSPECTION AND TESTING SCHEDULE ON THIS SHEET.
- ALL SPECIAL INSPECTIONS REQUIRED MUST BE BY APPROVED INDEPENDENT INSPECTORS WHO SHALL BE RETAINED BY THE OWNER. INSPECTORS SHALL SUBMIT THEIR REPORTS DIRECTLY TO THE BUILDING OFFICIAL AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. THESE INSPECTORS ARE IN ADDITION TO ANY REQUIRED [AGENCY] INSPECTIONS. CONTRACTOR SHALL COORDINATE INSPECTIONS AND ALLOW ACCESS FOR THE SPECIAL INSPECTOR TO PERFORM REQUIRED INSPECTIONS.

**LOADING CRITERIA**

RISK CATEGORY OF BUILDING: III

- WIND LOAD:  
 WIND IMPORTANCE FACTOR Iw: 1.0  
 ULTIMATE DESIGN WIND SPEED: 100 MPH  
 EXPOSURE: C  
 INTERNAL PRESSURE COEFFICIENT: N/A  
 COMPONENTS & CLADDING: N/A  
 DESIGN WIND PRESSURE:  
 ROOF: TDB PSF  
 WALL: N/A
- SEISMIC LOAD:  
 SPECTRAL RESPONSE ACCELERATION S<sub>s</sub>: 0.611 g  
 SPECTRAL RESPONSE ACCELERATION S<sub>1</sub>: 0.25 g  
 SPECTRAL RESPONSE COEFFICIENTS S<sub>DS</sub>: 0.534 g  
 SPECTRAL RESPONSE COEFFICIENT S<sub>D1</sub>: N/A  
 SEISMIC IMPORTANCE FACTOR I<sub>s</sub>: 1.25  
 SITE CLASS: D  
 SEISMIC DESIGN CATEGORY: D  
 SEISMIC FORCE RESISTING SYSTEM: NONBUILDING STRUCTURE  
 DESIGN BASE SHEAR: VARIES  
 SEISMIC RESPONSE COEFFICIENT C<sub>s</sub>: VARIES  
 RESPONSE MODIFICATION FACTOR R: TDB  
 ANALYSIS PROCEDURE: ELF
- WATER LOAD:  
 DESIGN HIGH WATER LEVEL: N/A
- EARTH LOADS:  
 ACTIVE EFP: 33 PCF  
 AT-REST EFP: 51 PCF  
 PASSIVE EFP: 397 PCF

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 info@provostandpritchard.com

**PROFESSIONAL ENGINEER**  
 JENNIFER BONITA  
 No. 75865  
 CIVIL  
 STATE OF CALIFORNIA

**DATE SIGNED:** 1/31/2024

**REVISION**

**BID SET**  
 1/31/2024

**WELL 8 TCP MITIGATION PROJECT**  
 CITY OF HUGHSON  
 HUGHSON, CA  
 GENERAL

**GENERAL NOTES**

**DESIGN ENGINEER:** KMM  
**LICENSE NO:** 75865

**DRAFTED BY:** JB  
**CHECKED BY:** RKB

**DATE:** 1/31/2024  
**JOB NO:** 265421001

**PHASE:**

**ORIGINAL SCALE SHOWN IS ONE**  
 INCH. ADJUST SCALE FOR  
 REDUCED OR ENLARGED PLANS.

**SHEET** **G-4**

4 OF 35

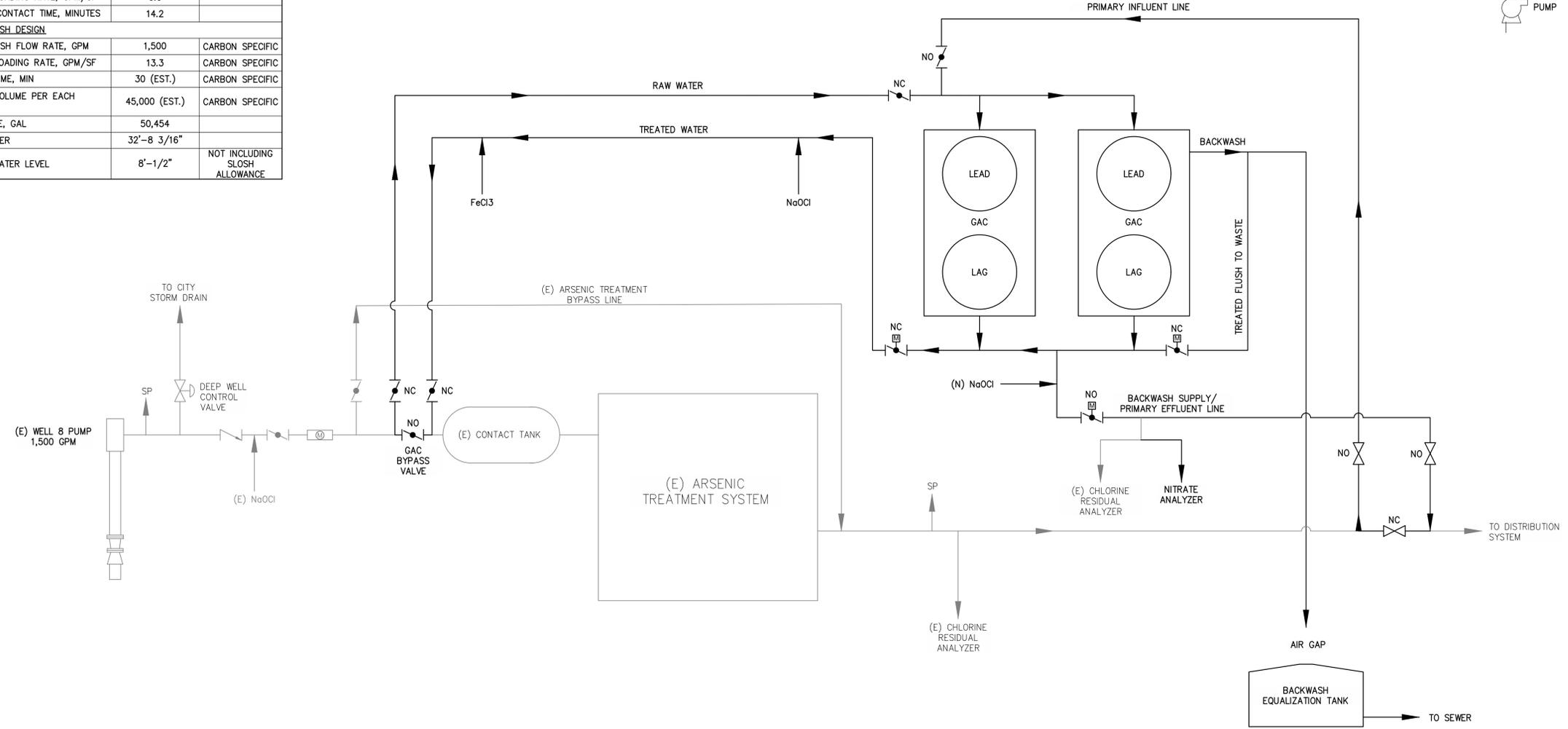
| GAC DESIGN CRITERIA                      |               |                               |
|--|---------------|-------------------------------|
| DESCRIPTION                              | WELL 8        | NOTES                         |
| <b>RAW WATER QUALITY</b>                 |               |                               |
| AVG TDP, ug/L                            | 0.045         |                               |
| AVG NITRATE (AS N), mg/L                 | 5.27          |                               |
| AVG HARDNESS AS CaCO <sub>3</sub> , mg/L | 122           |                               |
| AVG IRON, ug/L                           | 0             |                               |
| AVG MANGANESE, ug/L                      | >150          |                               |
| pH                                       | 7.45          |                               |
| <b>WELL PUMP</b>                         |               |                               |
| CAPACITY, GPM                            | 1,500         |                               |
| HORSEPOWER, HP (EXISTING)                | 150           |                               |
| DRIVE TYPE (EXISTING)                    | CONSTANT      |                               |
| DISCHARGE PRESSURE, PSI (EXISTING)       | 60            |                               |
| <b>GAC TREATMENT DESIGN</b>              |               |                               |
| NUMBER OF VESSELS                        | 4             |                               |
| VESSEL DIA (EA), FT                      | 12            |                               |
| CARBON CAPACITY (EA), FT <sup>3</sup>    | 714           |                               |
| CARBON TYPE                              | TBD           |                               |
| OPERATION                                | SERIES        | 2 PAIRS                       |
| HYDRAULIC LOADING RATE, GPM/SF           | 6.6           |                               |
| EMPTY BED CONTACT TIME, MINUTES          | 14.2          |                               |
| <b>GAC BACKWASH DESIGN</b>               |               |                               |
| MAX BACKWASH FLOW RATE, GPM              | 1,500         | CARBON SPECIFIC               |
| BACKWASH LOADING RATE, GPM/SF            | 13.3          | CARBON SPECIFIC               |
| BACKWASH TIME, MIN                       | 30 (EST.)     | CARBON SPECIFIC               |
| BACKWASH VOLUME PER EACH VESSEL, GAL     | 45,000 (EST.) | CARBON SPECIFIC               |
| TANK VOLUME, GAL                         | 50,454        |                               |
| TANK DIAMETER                            | 32'-8 3/16"   |                               |
| TANK MAX WATER LEVEL                     | 8'-1/2"       | NOT INCLUDING SLOSH ALLOWANCE |

**LEGEND**

BW BACKWASH  
 BWS BACKWASH SUPPLY  
 FTW FILTER TO WASTE  
 NC NORMALLY CLOSED  
 NO NORMALLY OPEN  
 SP SAMPLE POINT  
 SW SURFACE WASH  
 WW WELL WATER

FeCl<sub>3</sub> FERRIC CHLORIDE  
 NaOCl SODIUM HYPOCHLORITE

● BUTTERFLY VALVE  
 MOTORIZED BUTTERFLY VALVE  
 CHECK VALVE  
 CONTROL VALVE  
 GATE VALVE  
 FLOW METER  
 PUMP



**WELL 8 SCHEMATIC PROCESS FLOW DIAGRAM**

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DESIGN ENGINEER: KMM  
 LICENSE NO: 75865

DRAFTED BY: JB  
 CHECKED BY: RKB

DATE: 1/31/2024

JOB NO: 265421001

PROJECT NO:  
 PHASE:

0" = 1"  
 ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.

SHEET **G-5**  
 5 OF 35

WELL 8 TCP MITIGATION PROJECT  
 CITY OF HUGHSON  
 HUGHSON, CA  
 GENERAL

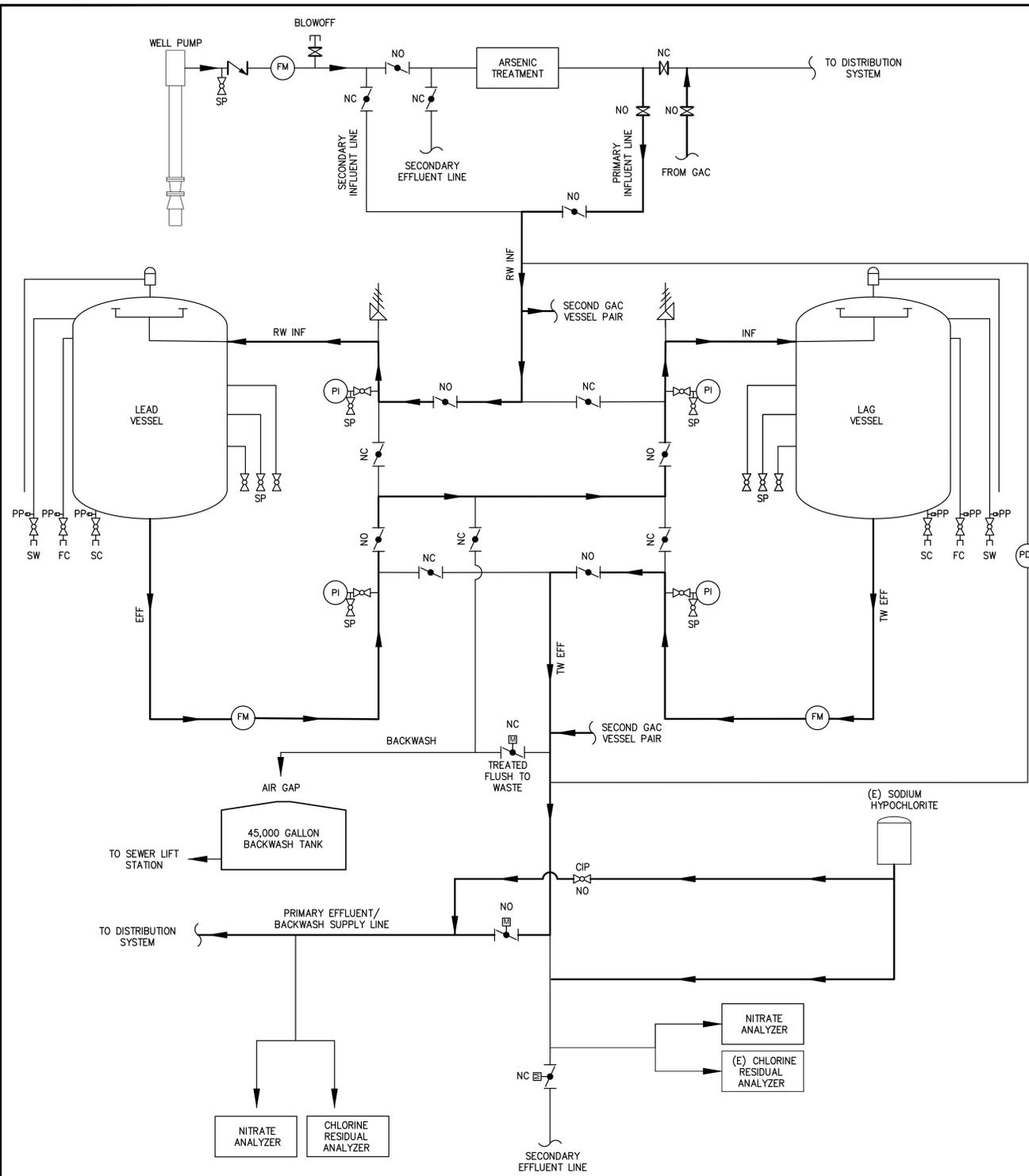
DESIGN CRITERIA

BID SET  
 1/31/2024

DATE SIGNED: 1/31/2024

REVISION  
 BY  
 DATE

2/1/2024 11:43 AM G:\Hughson\_City of-2654\265421001-TCP Treatment Design\300 CAD\340 Sheet Sets\01\_General\G-5 DESIGN CRITERIA.dwg -Jennifer Bonilla



**NORMAL SERIES-VESSEL GAC TREATMENT**

- PIPING ABBREVIATIONS**
- FC FRESH CARBON
  - SC SPENT CARBON
  - INF INFLUENT
  - EFF EFFLUENT
  - SP SAMPLE POINT
  - SW SPRAY WATER
  - PP PNEUMATIC PORT
  - CIP CHLORINE INJECTION POINT

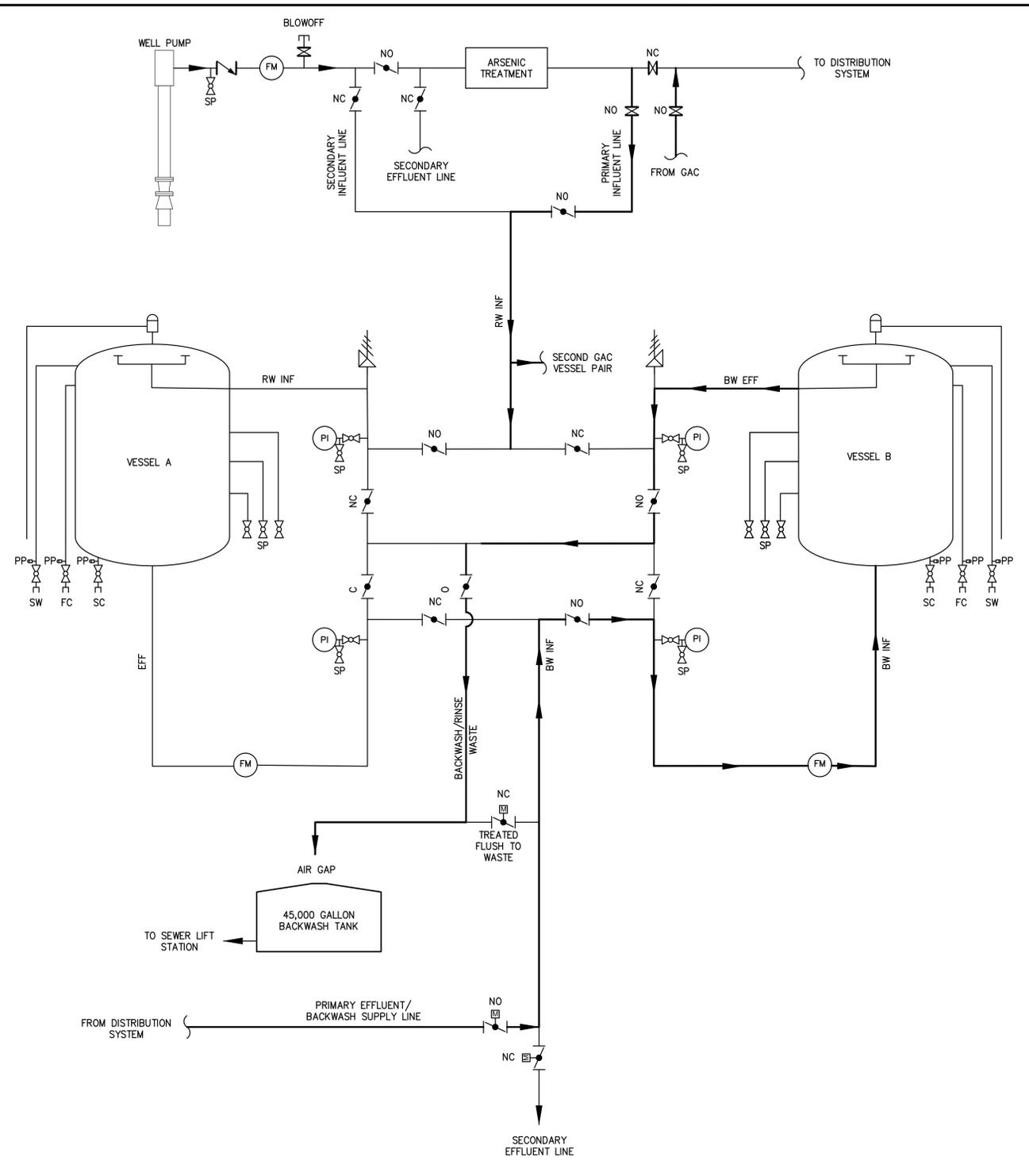
- FLOW ABBREVIATIONS**
- RW RAW WATER
  - TW TREATED WATER
  - BW BACKWASH
  - NO NORMALLY OPEN
  - NC NORMALLY CLOSED
  - O BACKWASH OPEN
  - C BACKWASH CLOSED

- EQUIPMENT LEGEND**
- Ball Valve
  - Butterfly Valve
  - Motorized Butterfly Valve
  - Check Valve

- EQUIPMENT LEGEND**
- Combination Air Release and Vacuum Valve
  - DPT Differential Pressure Transmitter
  - Pressure Relief Valve

- EQUIPMENT LEGEND**
- FM Flow Meter
  - Gate Valve
  - Hose Connection
  - PI Pressure Indicator

**NOTE:**  
THE VALVE CONFIGURATION SHOWN ABOVE IS TO BACKWASH VESSEL B. A SIMILAR VALVE ARRANGEMENT IS USED TO BACKWASH VESSEL A. VESSELS ARE TO BE BACKWASHED SEQUENTIALLY.



**BACKWASH OPERATION**

**TCP TREATMENT PROCESS FLOW DIAGRAMS**

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**DESIGN ENGINEER:** KMM  
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**PROJECT NO.:**  
**PHASE:**

**ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.**

**SHEET G-6**

**6 OF 35**

**WELL 8 TCP MITIGATION PROJECT**  
CITY OF HUGHSON  
HUGHSON, CA  
GENERAL

**PROVOST & PRITCHARD**  
REGISTERED PROFESSIONAL ENGINEER  
KATHY W. PRITCHARD  
No. 75865  
STATE OF CALIFORNIA

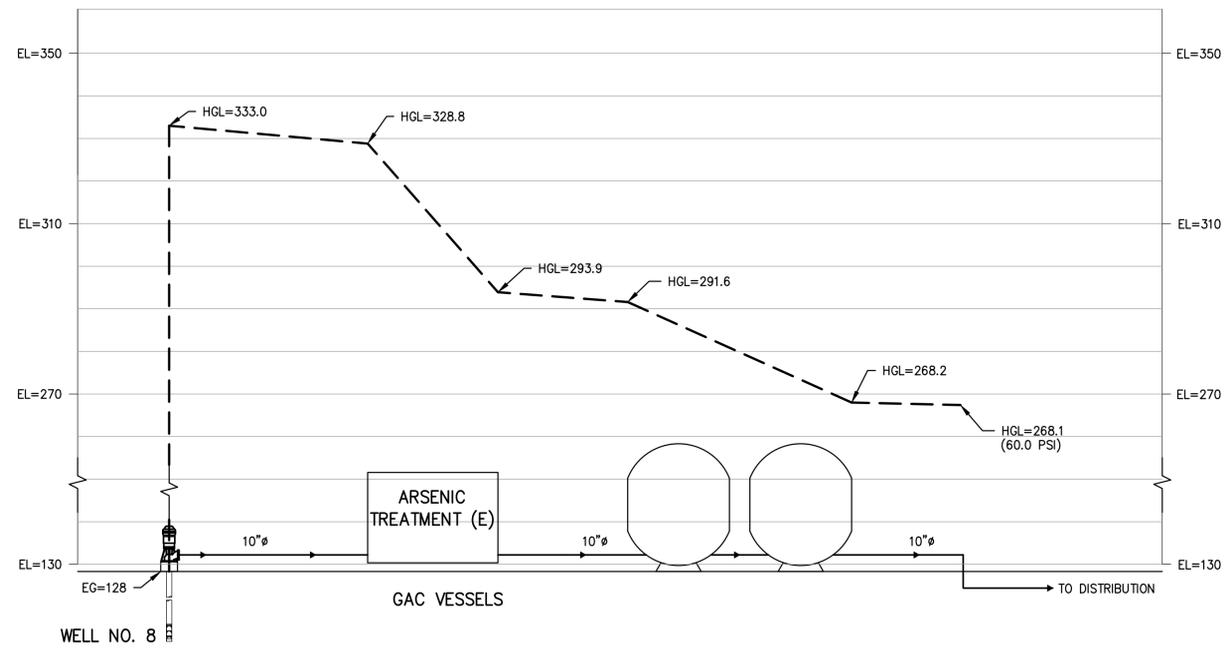
**BID SET**  
1/31/2024

**DATE SIGNED:** 1/31/2024

**REVISION**

**NO.** **BY** **DATE**

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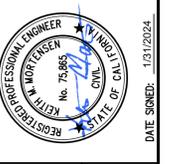
WELL 8 TCP TREATMENT HYDRAULIC PROFILE

**NOTES**

1. HYDRAULIC PROFILE SHOWN ONLY FOR CONFIGURATION OF GAC TREATMENT DOWNSTREAM OF ARSENIC TREATMENT.

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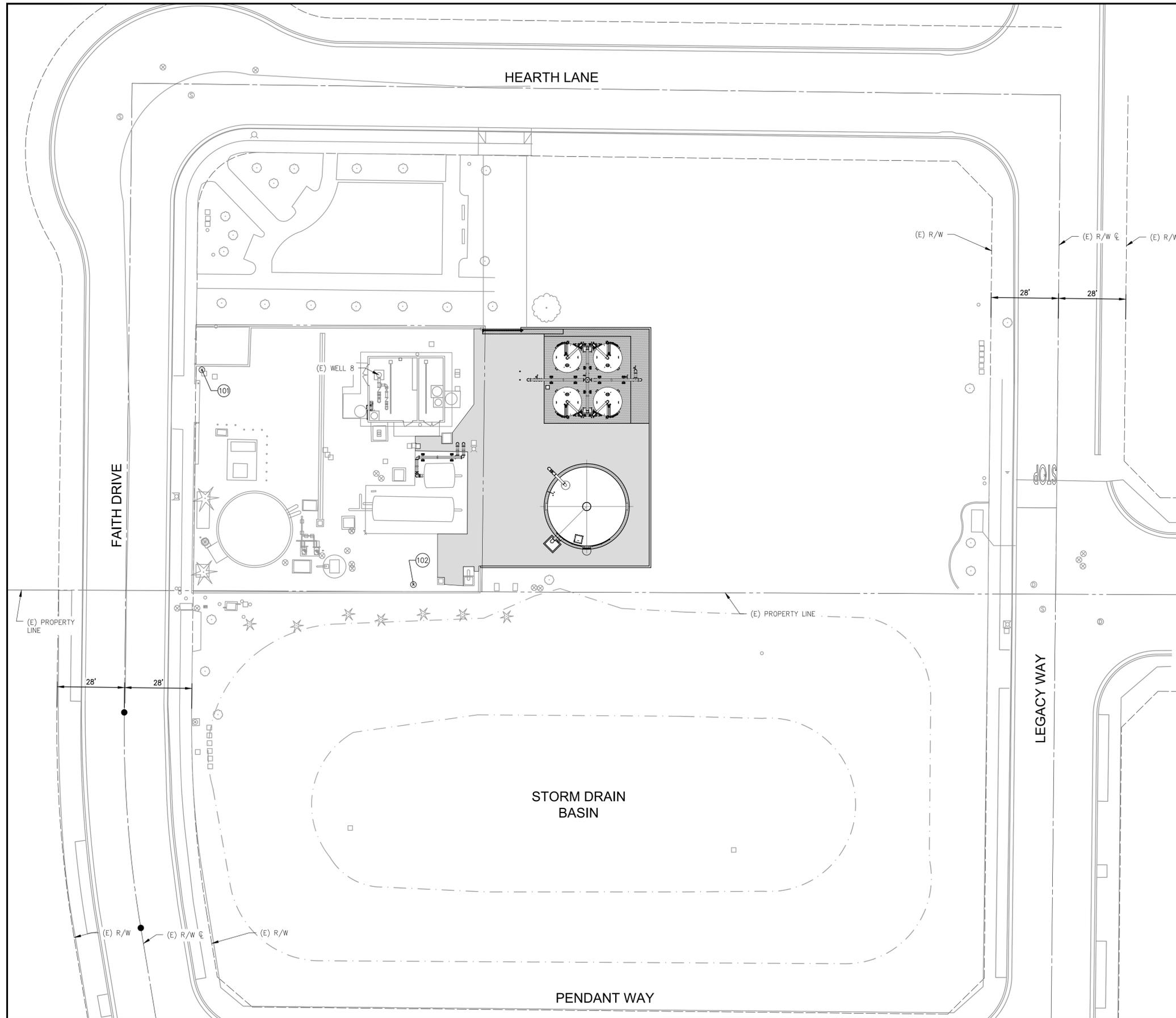
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|---------|----------|-----------|------|
| BID SET |          | 1/31/2024 |      |
| NO.     | REVISION | BY        | DATE |



WELL 8 TCP MITIGATION PROJECT  
 CITY OF HUGHSON  
 HUGHSON, CA  
 GENERAL  
 HYDRAULIC PROFILE

EST. 1968  
**PROVOST & PRITCHARD**  
 CONSULTING GROUP  
 An Employee Owned Company  
 455 W. FERRIS AVENUE  
 CLOVIS, CALIFORNIA 93811  
 559.462.7000 FAX 559.469.5715  
 info@provostandpritchard.com

|   |            |
|---|------------|
| DESIGN ENGINEER:  | KMM        |
| LICENSE NO.:  | 75865      |
| DRAFTED BY:   | JB         |
| CHECKED BY:   | RKB        |
| DATE:   | 1/31/2024  |
| JOB NO.:  | 265421001  |
| PROJECT NO.:  |            |
| PHASE:  |            |
| ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS. |            |
| SHEET   | <b>G-7</b> |
| 7   | OF 35      |



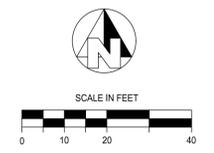
**TOPOGRAPHY NOTE**  
 TOPOGRAPHY SHOWN WAS COLLECTED BY PROVOST & PRITCHARD CONSULTING GROUP DURING TWO FIELD SURVEYS CONDUCTED IN MAY AND SEPTEMBER OF 2021.

**BOUNDARY NOTE**  
 THE BOUNDARY/EASEMENT INFORMATION SHOWN ON THESE PLANS IS BASED UPON RECORD INFORMATION TIED TO PHYSICAL MONUMENTS, AND WAS PREPARED UNDER THE DIRECTION OF BRYAN W. BOWERS, PLS 8469.

| CONTROL TABLE                                   |            |            |           |              |
|---|------------|------------|-----------|--------------|
| CCS ZONE 3(NAD83) STATE PLANE COORDINATES(USFT) |            |            |           |              |
| POINT #   | NORTHING   | EASTING    | ELEVATION | DESCRIPTION  |
| 101   | 2043920.89 | 6459250.22 | 130.36    | SET MAG NAIL |
| 102   | 2043832.07 | 6459338.15 | 128.61    | SET MAG NAIL |



DATE SIGNED: 1/31/2024



**WARNING**  
 POWER LINES OVERHEAD

**811**  
 Know what's below.  
 Call before you dig.

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**BID SET**  
 1/31/2024

**WELL 8 TCP MITIGATION PROJECT**  
 CITY OF HUGHSON  
 HUGHSON, CA  
 WELL 8 GAC TREATMENT

**HORIZONTAL CONTROL PLAN**

**PROVOST & PRITCHARD CONSULTING GROUP**  
 An Employee Owned Company  
 455 W. FAITH AVENUE  
 CLOVIS, CALIFORNIA 95311  
 559.462.7000 FAX 559.469.2715  
 info@provostandpritchard.com

DESIGN ENGINEER:  
 KMM  
 LICENSE NO:  
 75865

DRAFTED BY: JJB  
 CHECKED BY: RKB

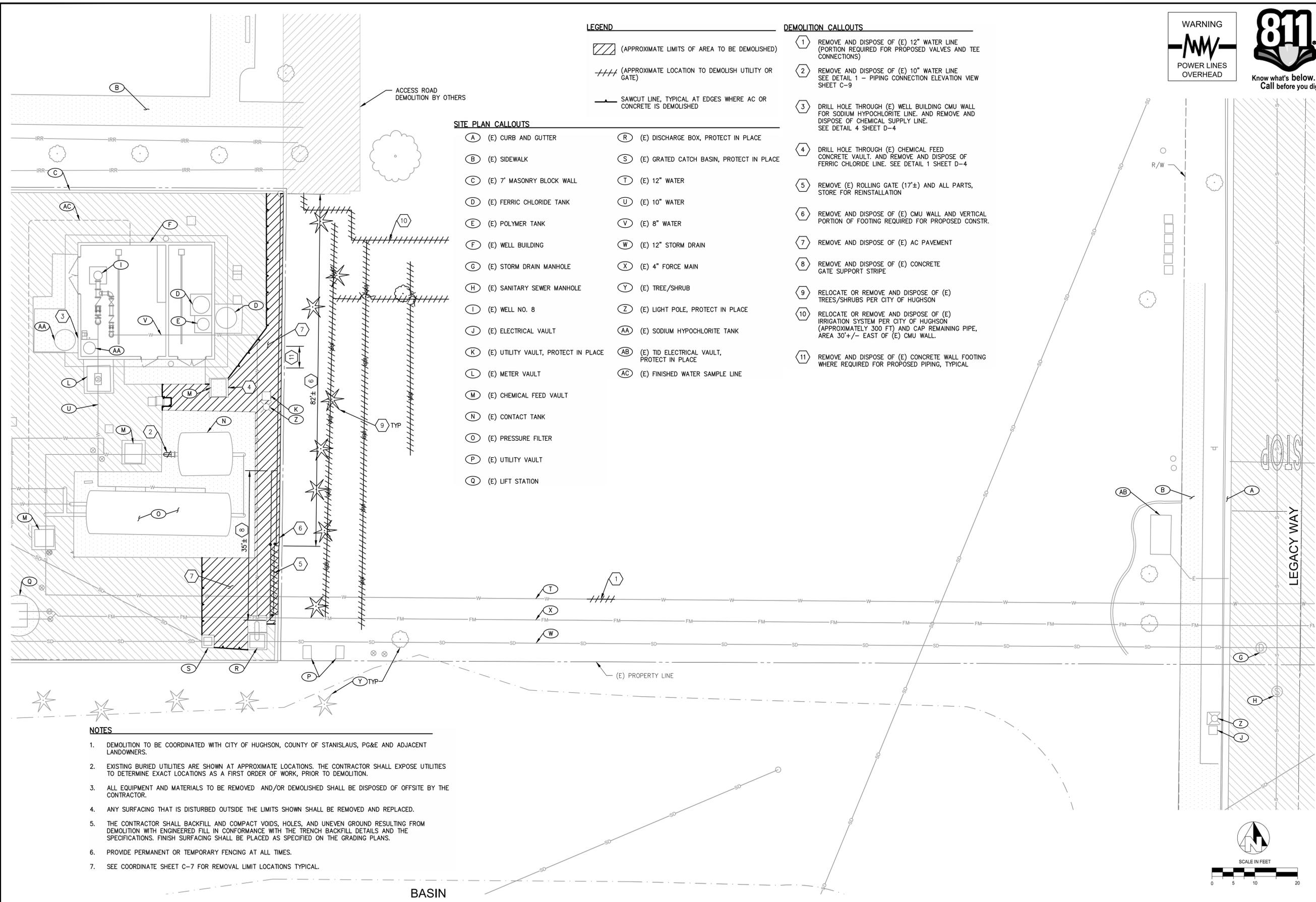
DATE: 1/31/2024  
 JOB NO: 265421001

PROJECT NO:  
 PHASE:

ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.

SHEET **C-1**  
 8 OF 35

DATE SIGNED: 1/31/2024



**LEGEND**

- (APPROXIMATE LIMITS OF AREA TO BE DEMOLISHED)
- (APPROXIMATE LOCATION TO DEMOLISH UTILITY OR GATE)
- SAWCUT LINE, TYPICAL AT EDGES WHERE AC OR CONCRETE IS DEMOLISHED

**DEMOLITION CALLOUTS**

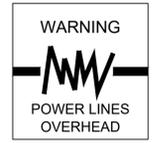
- 1 REMOVE AND DISPOSE OF (E) 12" WATER LINE (PORTION REQUIRED FOR PROPOSED VALVES AND TEE CONNECTIONS)
- 2 REMOVE AND DISPOSE OF (E) 10" WATER LINE SEE DETAIL 1 - PIPING CONNECTION ELEVATION VIEW SHEET C-9
- 3 DRILL HOLE THROUGH (E) WELL BUILDING CMU WALL FOR SODIUM HYPOCHLORITE LINE. AND REMOVE AND DISPOSE OF CHEMICAL SUPPLY LINE. SEE DETAIL 4 SHEET D-4
- 4 DRILL HOLE THROUGH (E) CHEMICAL FEED CONCRETE VAULT. AND REMOVE AND DISPOSE OF FERRIC CHLORIDE LINE. SEE DETAIL 1 SHEET D-4
- 5 REMOVE (E) ROLLING GATE (17'±) AND ALL PARTS. STORE FOR REINSTALLATION
- 6 REMOVE AND DISPOSE OF (E) CMU WALL AND VERTICAL PORTION OF FOOTING REQUIRED FOR PROPOSED CONSTR.
- 7 REMOVE AND DISPOSE OF (E) AC PAVEMENT
- 8 REMOVE AND DISPOSE OF (E) CONCRETE GATE SUPPORT STRIPE
- 9 RELOCATE OR REMOVE AND DISPOSE OF (E) TREES/SHRUBS PER CITY OF HUGHSON
- 10 RELOCATE OR REMOVE AND DISPOSE OF (E) IRRIGATION SYSTEM PER CITY OF HUGHSON (APPROXIMATELY 300 FT) AND CAP REMAINING PIPE, AREA 30'+/- EAST OF (E) CMU WALL.
- 11 REMOVE AND DISPOSE OF (E) CONCRETE WALL FOOTING WHERE REQUIRED FOR PROPOSED PIPING, TYPICAL

**SITE PLAN CALLOUTS**

- |   |   |
|---|---|
| (A) (E) CURB AND GUTTER                 | (R) (E) DISCHARGE BOX, PROTECT IN PLACE         |
| (B) (E) SIDEWALK                        | (S) (E) GRATED CATCH BASIN, PROTECT IN PLACE    |
| (C) (E) 7' MASONRY BLOCK WALL           | (T) (E) 12" WATER                               |
| (D) (E) FERRIC CHLORIDE TANK            | (U) (E) 10" WATER                               |
| (E) (E) POLYMER TANK                    | (V) (E) 8" WATER                                |
| (F) (E) WELL BUILDING                   | (W) (E) 12" STORM DRAIN                         |
| (G) (E) STORM DRAIN MANHOLE             | (X) (E) 4" FORCE MAIN                           |
| (H) (E) SANITARY SEWER MANHOLE          | (Y) (E) TREE/SHRUB                              |
| (I) (E) WELL NO. 8                      | (Z) (E) LIGHT POLE, PROTECT IN PLACE            |
| (J) (E) ELECTRICAL VAULT                | (AA) (E) SODIUM HYPOCHLORITE TANK               |
| (K) (E) UTILITY VAULT, PROTECT IN PLACE | (AB) (E) TID ELECTRICAL VAULT, PROTECT IN PLACE |
| (L) (E) METER VAULT                     | (AC) (E) FINISHED WATER SAMPLE LINE             |
| (M) (E) CHEMICAL FEED VAULT             |   |
| (N) (E) CONTACT TANK                    |   |
| (O) (E) PRESSURE FILTER                 |   |
| (P) (E) UTILITY VAULT                   |   |
| (Q) (E) LIFT STATION                    |   |

**NOTES**

1. DEMOLITION TO BE COORDINATED WITH CITY OF HUGHSON, COUNTY OF STANISLAUS, PG&E AND ADJACENT LANDOWNERS.
2. EXISTING BURIED UTILITIES ARE SHOWN AT APPROXIMATE LOCATIONS. THE CONTRACTOR SHALL EXPOSE UTILITIES TO DETERMINE EXACT LOCATIONS AS A FIRST ORDER OF WORK, PRIOR TO DEMOLITION.
3. ALL EQUIPMENT AND MATERIALS TO BE REMOVED AND/OR DEMOLISHED SHALL BE DISPOSED OF OFFSITE BY THE CONTRACTOR.
4. ANY SURFACING THAT IS DISTURBED OUTSIDE THE LIMITS SHOWN SHALL BE REMOVED AND REPLACED.
5. THE CONTRACTOR SHALL BACKFILL AND COMPACT VOIDS, HOLES, AND UNEVEN GROUND RESULTING FROM DEMOLITION WITH ENGINEERED FILL IN CONFORMANCE WITH THE TRENCH BACKFILL DETAILS AND THE SPECIFICATIONS. FINISH SURFACING SHALL BE PLACED AS SPECIFIED ON THE GRADING PLANS.
6. PROVIDE PERMANENT OR TEMPORARY FENCING AT ALL TIMES.
7. SEE COORDINATE SHEET C-7 FOR REMOVAL LIMIT LOCATIONS TYPICAL.



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1/31/2024

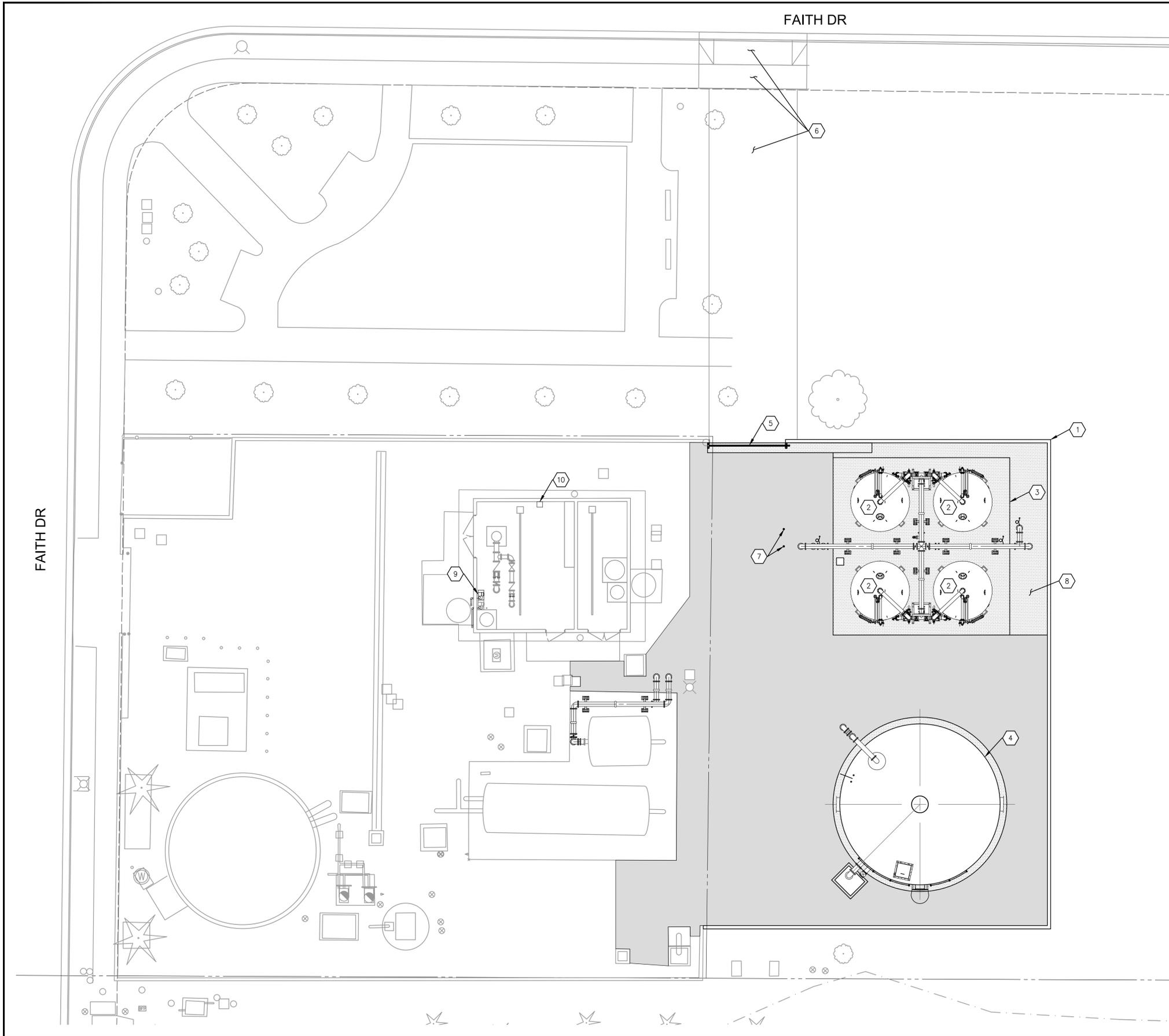


WELL 8 TCP MITIGATION PROJECT  
CITY OF HUGHSON  
HUGHSON, CA  
WELL 8 GAC TREATMENT  
DEMOLITION PLAN

**PROVOST & PRITCHARD**  
CONSULTING GROUP  
An Employee Owned Company  
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CLOVIS, CALIFORNIA 93811  
504462700 FAX 5044692715  
info@provostandpritchard.com

DESIGN ENGINEER:  
KMM  
LICENSE NO:  
75865  
DRAFTED BY: JJB  
CHECKED BY: RKB  
DATE: 1/31/2024  
JOB NO: 265421001  
PROJECT NO:  
PHASE:  
ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.

SHEET **C-2**  
9 OF 35



FAITH DR

FAITH DR



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**SITE LEGEND**

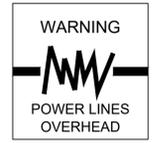
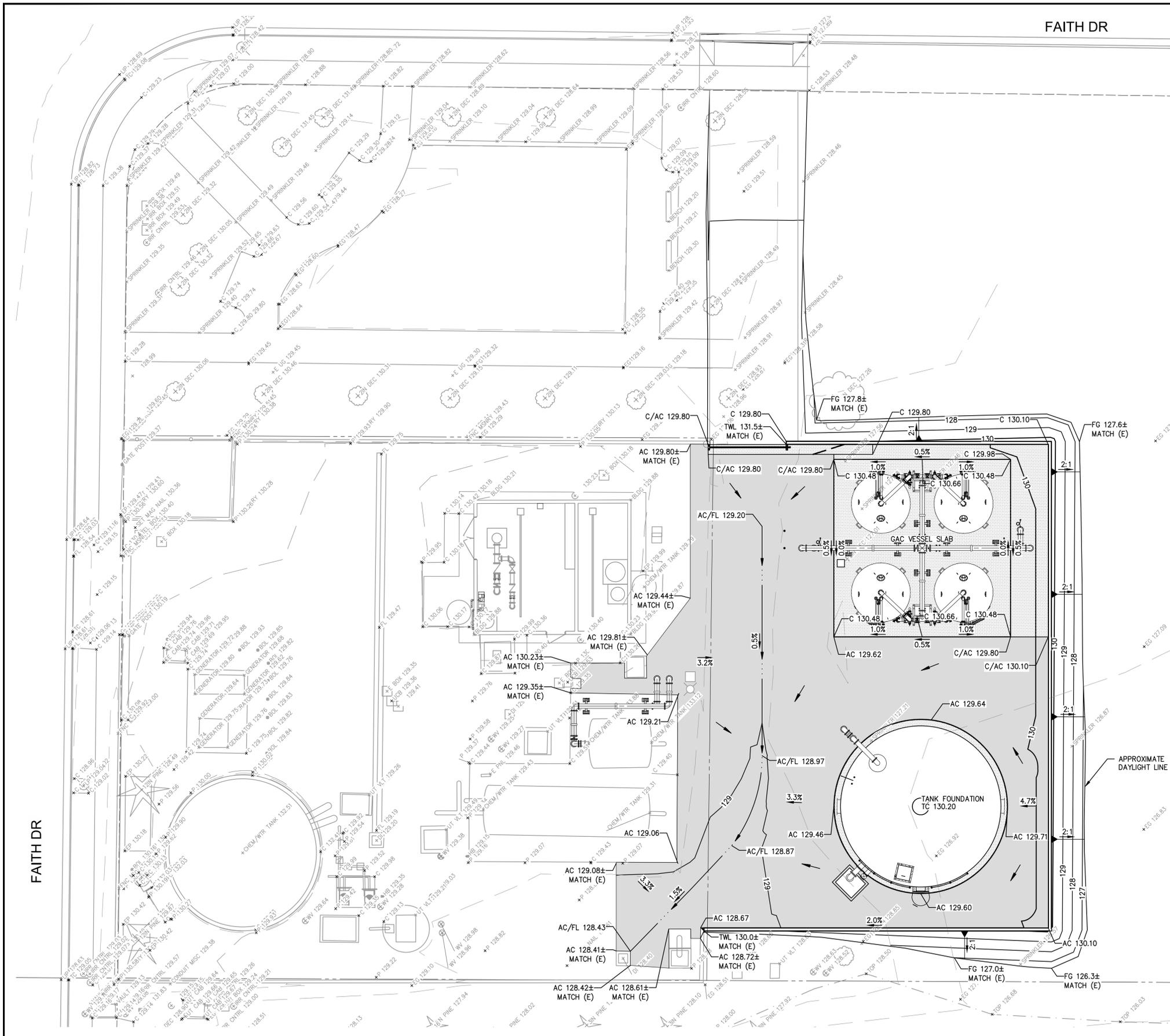
- 1 MASONRY WALL (SPLIT FACE) (SEE DETAIL 1 SHEET D-9)
- 2 GAC VESSEL (SEE DETAIL 1, SHEET D-1)
- 3 GAC VESSEL PAD (SEE DETAIL 1, SHEET D-1)
- 4 BACKWASH EQUALIZATION TANK (SEE DETAIL 1, SHEET D-12)
- 5 16' RELOCATED ROLLING ACCESS GATE AND CONCRETE SUPPORT FOOTING (SEE DETAIL 1, SHEET D-10)
- 6 ACCESS ROAD, DRIVE APPROACH, AND SIDEWALK (BY OTHERS)
- 7 BOLLARD (SEE DETAIL 5, SHEET D-9)
- 8 SIDEWALK (SEE DETAIL 2, SHEET D-9)
- 9 CHEMICAL METERING PUMP (SEE DETAIL 4, SHEET D-4)
- 10 NITRATE ANALYZER (SEE DETAIL 3 AND 4, SHEET D-3)

|   |  |
|---|--|
|   |  |
| <b>WELL 8 TCP MITIGATION PROJECT</b><br>CITY OF HUGHSON<br>HUGHSON, CA<br>WELL 8 GAC TREATMENT  | <b>SITE PLAN</b><br>DATE SIGNED: 1/31/2024 |
| <b>PROVOST &amp; PRITCHARD</b><br>CONSULTING GROUP<br>An Employee Owned Company<br>455 W. FRA AVENUE<br>CLOVIS, CALIFORNIA 95311<br>559.462.7000 FAX 559.469.5715<br>info@provostandpritchard.com |  |
| DESIGN ENGINEER: KMM<br>LICENSE NO: 75865<br>DRAFTED BY: JB      CHECKED BY: RKB<br>DATE: 1/31/2024<br>JOB NO: 265421001<br>PROJECT NO:<br>PHASE:   |  |
|   |  |
| ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.<br>SHEET <b>C-3</b><br>10 OF 35   |  |

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1/31/2024

| NO. | REVISION | BY | DATE |
|-----|----------|----|------|
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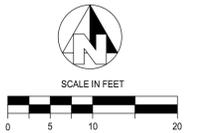
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**LEGEND**

|     |   |
|-----|---|
|     | DIRECTION OF SURFACE FLOW                       |
|     | EXISTING AC PAVING                              |
|     | PROPOSED AC PAVING                              |
|     | EXISTING CONCRETE                               |
|     | PROPOSED CONCRETE PAD, SIDEWALK, OR FOUNDATION. |
|     | RIP RAP   |
| AC  | ASPHALT CONCRETE                                |
| C   | CONCRETE ELEV                                   |
| DEG | EXISTING GROUND, DIRT                           |
| (E) | EXISTING  |
| FG  | FINISH GRADE ELEV                               |
| FL  | FLOW LINE                                       |
| GB  | GRADE BREAK                                     |
| LIP | GUTTER LIP                                      |
| TC  | TOP OF CONCRETE                                 |
| TG  | TOP OF GRATE                                    |
| TWL | TOP OF MASONRY WALL                             |

- NOTES**
- SITE UTILITY LINES NOT SHOWN FOR CLARITY, REFER TO SITE PIPING PLAN.
  - CONTRACTOR MAY USE ANY PORTION OF THE SITE WITHIN CMU WALL AS A STAGING AREA.
  - THE OVERALL BUILDING SITE SHALL BE SLOPED IN ALL AREAS TO AN APPROVED DRAINAGE FACILITY OR A PUBLIC STREET.
  - APPROXIMATE GRADING QUANTITIES:  
CUT=190 CUBIC YARDS  
FILL=310 CUBIC YARDS
  - GRADING QUANTITIES ARE INFORMATIONAL ONLY AND DO NOT ACCOUNT FOR SHRINKAGE OR EXPANSION. CONTRACTOR TO PREPARE OWN ESTIMATE FOR BIDDING PURPOSES.
  - GRADE AT MAX 2:1 TO MATCH EXISTING GRADE



**BID SET**  
1/31/2024

**WELL 8 TCP MITIGATION PROJECT**  
CITY OF HUGHSON  
HUGHSON, CA  
WELL 8 GAC TREATMENT

**GRADING PLAN**

DESIGN ENGINEER:  
KMM  
LICENSE NO: 75865

DRAFTED BY: JB  
CHECKED BY: RKB

DATE: 1/31/2024  
JOB NO: 265421001

PROJECT NO:  
PHASE:

ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.

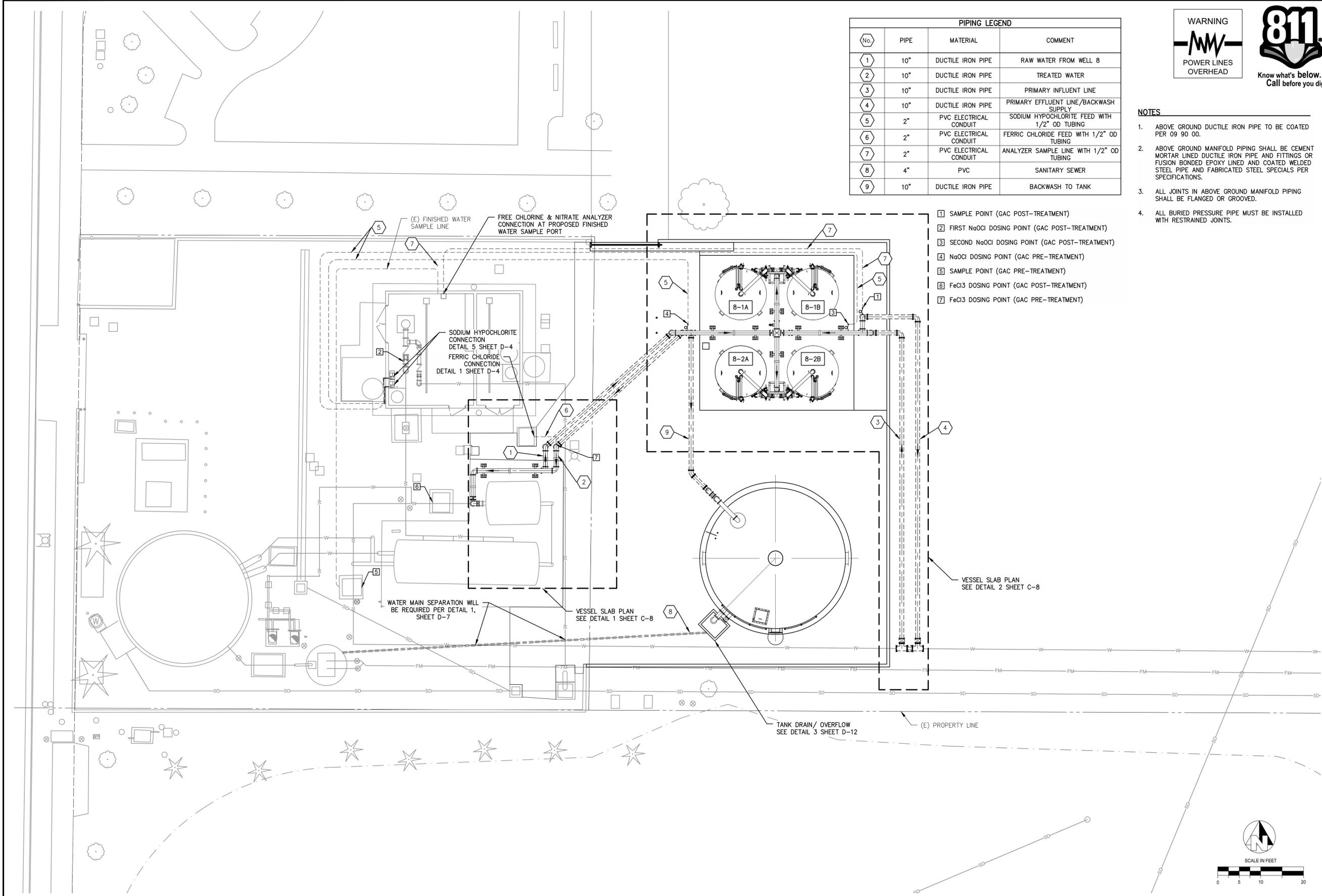
SHEET **C-4**

11 OF 35

DATE SIGNED: 1/31/2024

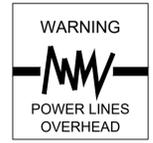
RESEALED PROFESSIONAL ENGINEER  
KIMBERLY ANDERSON  
No. 75865  
STATE OF CALIF.

2/7/2024 11:50 AM G:\Hughson\_City of-2654\265421001-TCP Treatment Design\000 CAD\140 Sheet Sets\02\_Well Treatment\C-4 GRADING PLAN.dwg - Jennifer Bolino



| PIPING LEGEND |      |                        |  |
|---------------|------|------------------------|--|
| No.           | PIPE | MATERIAL               | COMMENT                                      |
| 1             | 10"  | DUCTILE IRON PIPE      | RAW WATER FROM WELL 8                        |
| 2             | 10"  | DUCTILE IRON PIPE      | TREATED WATER                                |
| 3             | 10"  | DUCTILE IRON PIPE      | PRIMARY INFLUENT LINE                        |
| 4             | 10"  | DUCTILE IRON PIPE      | PRIMARY EFFLUENT LINE/BACKWASH SUPPLY        |
| 5             | 2"   | PVC ELECTRICAL CONDUIT | SODIUM HYPOCHLORITE FEED WITH 1/2" OD TUBING |
| 6             | 2"   | PVC ELECTRICAL CONDUIT | FERRIC CHLORIDE FEED WITH 1/2" OD TUBING     |
| 7             | 2"   | PVC ELECTRICAL CONDUIT | ANALYZER SAMPLE LINE WITH 1/2" OD TUBING     |
| 8             | 4"   | PVC                    | SANITARY SEWER                               |
| 9             | 10"  | DUCTILE IRON PIPE      | BACKWASH TO TANK                             |

- 1 SAMPLE POINT (GAC POST-TREATMENT)
- 2 FIRST NaOCl DOSING POINT (GAC POST-TREATMENT)
- 3 SECOND NaOCl DOSING POINT (GAC POST-TREATMENT)
- 4 NaOCl DOSING POINT (GAC PRE-TREATMENT)
- 5 SAMPLE POINT (GAC PRE-TREATMENT)
- 6 FeCl3 DOSING POINT (GAC POST-TREATMENT)
- 7 FeCl3 DOSING POINT (GAC PRE-TREATMENT)



- NOTES**
- ABOVE GROUND DUCTILE IRON PIPE TO BE COATED PER 09 90 00.
  - ABOVE GROUND MANIFOLD PIPING SHALL BE CEMENT MORTAR LINED DUCTILE IRON PIPE AND FITTINGS OR FUSION BONDED EPOXY LINED AND COATED WELDED STEEL PIPE AND FABRICATED STEEL SPECIALS PER SPECIFICATIONS.
  - ALL JOINTS IN ABOVE GROUND MANIFOLD PIPING SHALL BE FLANGED OR GROOVED.
  - ALL BURIED PRESSURE PIPE MUST BE INSTALLED WITH RESTRAINED JOINTS.

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**WARNING**  
 POWER LINES  
 OVERHEAD

**811**  
 Know what's below.  
 Call before you dig.

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1 SAMPLE POINT (GAC POST-TREATMENT)  
 2 FIRST NaOCl DOSING POINT (GAC POST-TREATMENT)  
 3 SECOND NaOCl DOSING POINT (GAC POST-TREATMENT)  
 4 NaOCl DOSING POINT (GAC PRE-TREATMENT)  
 5 SAMPLE POINT (GAC PRE-TREATMENT)  
 6 FeCl3 DOSING POINT (GAC POST-TREATMENT)  
 7 FeCl3 DOSING POINT (GAC PRE-TREATMENT)

(E) FINISHED WATER SAMPLE LINE  
 FREE CHLORINE & NITRATE ANALYZER CONNECTION AT PROPOSED FINISHED WATER SAMPLE PORT  
 SODIUM HYPOCHLORITE CONNECTION  
 DETAIL 5 SHEET D-4  
 FERRIC CHLORIDE CONNECTION  
 DETAIL 1 SHEET D-4  
 WATER MAIN SEPARATION WILL BE REQUIRED PER DETAIL 1, SHEET D-7  
 VESSEL SLAB PLAN  
 SEE DETAIL 1 SHEET C-8  
 TANK DRAIN/ OVERFLOW  
 SEE DETAIL 3 SHEET D-12  
 (E) PROPERTY LINE  
 VESSEL SLAB PLAN  
 SEE DETAIL 2 SHEET C-8

**PROVOST & PRITCHARD**  
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 AN Engineers Owned Company  
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 559.462.7000 FAX 559.469.2715  
 info@provostandpritchard.com

DESIGN ENGINEER:  
 KMM  
 LICENSE NO:  
 75865  
 DRAFTED BY: JB  
 CHECKED BY: RKB  
 DATE: 1/31/2024  
 JOB NO: 265421001  
 PROJECT NO:  
 PHASE:

ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.  
 SHEET **C-5**

12 OF 35

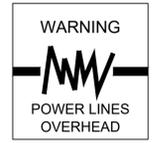
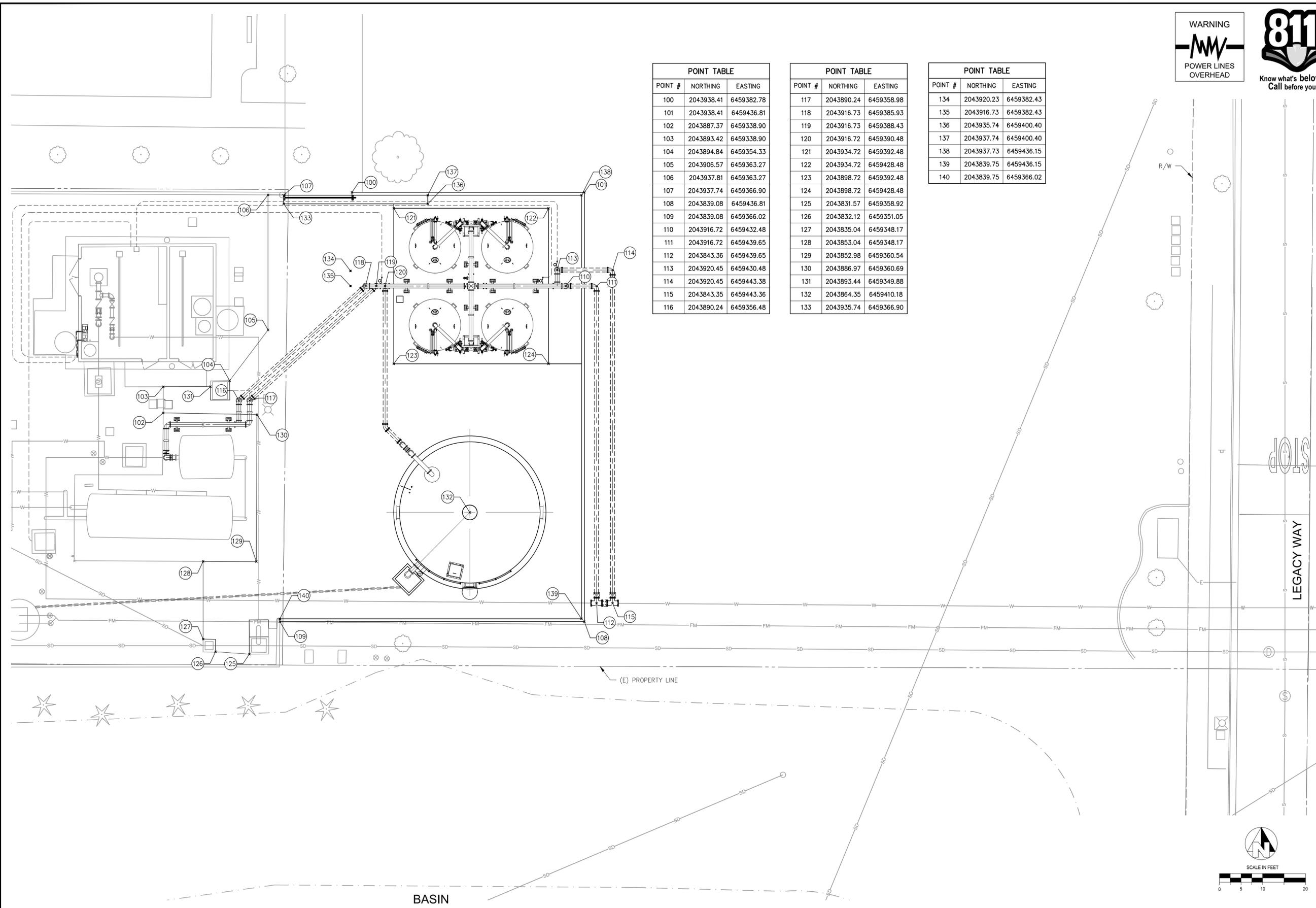
WELL 8 TCP MITIGATION PROJECT  
 CITY OF HUGHSON  
 HUGHSON, CA  
 WELL 8 GAC TREATMENT  
 PIPING PLAN

BID SET  
 1/31/2024

DATE SIGNED: 1/31/2024  
 PROFESSIONAL ENGINEER  
 KERRY W. ANDERSEN  
 No. 75865  
 CIVIL  
 STATE OF CALIFORNIA

REVISION  
 NO. BY DATE

2/7/2024 11:51 AM G:\Hughson\_City of Hughson\City of Hughson\Design\300\CAO\340\Sheet Sets\02\_Well Treatment\05\_PIPING PLAN.dwg --Jennifer Bonilla



| POINT # | NORTHING   | EASTING    |
|---------|------------|------------|
| 100     | 2043938.41 | 6459382.78 |
| 101     | 2043938.41 | 6459436.81 |
| 102     | 2043887.37 | 6459338.90 |
| 103     | 2043893.42 | 6459338.90 |
| 104     | 2043894.84 | 6459354.33 |
| 105     | 2043906.57 | 6459363.27 |
| 106     | 2043937.81 | 6459363.27 |
| 107     | 2043937.74 | 6459366.90 |
| 108     | 2043839.08 | 6459436.81 |
| 109     | 2043839.08 | 6459366.02 |
| 110     | 2043916.72 | 6459432.48 |
| 111     | 2043916.72 | 6459439.65 |
| 112     | 2043843.36 | 6459439.65 |
| 113     | 2043920.45 | 6459430.48 |
| 114     | 2043920.45 | 6459443.38 |
| 115     | 2043843.35 | 6459443.36 |
| 116     | 2043890.24 | 6459356.48 |

| POINT # | NORTHING   | EASTING    |
|---------|------------|------------|
| 117     | 2043890.24 | 6459358.98 |
| 118     | 2043916.73 | 6459385.93 |
| 119     | 2043916.73 | 6459388.43 |
| 120     | 2043916.72 | 6459390.48 |
| 121     | 2043934.72 | 6459392.48 |
| 122     | 2043934.72 | 6459428.48 |
| 123     | 2043898.72 | 6459392.48 |
| 124     | 2043898.72 | 6459428.48 |
| 125     | 2043831.57 | 6459358.92 |
| 126     | 2043832.12 | 6459351.05 |
| 127     | 2043835.04 | 6459348.17 |
| 128     | 2043853.04 | 6459348.17 |
| 129     | 2043852.98 | 6459360.54 |
| 130     | 2043886.97 | 6459360.69 |
| 131     | 2043893.44 | 6459349.88 |
| 132     | 2043864.35 | 6459410.18 |
| 133     | 2043935.74 | 6459366.90 |

| POINT # | NORTHING   | EASTING    |
|---------|------------|------------|
| 134     | 2043920.23 | 6459382.43 |
| 135     | 2043916.73 | 6459382.43 |
| 136     | 2043935.74 | 6459400.40 |
| 137     | 2043937.74 | 6459400.40 |
| 138     | 2043937.73 | 6459436.15 |
| 139     | 2043839.75 | 6459436.15 |
| 140     | 2043839.75 | 6459366.02 |

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DESIGN ENGINEER:  
KMM  
LICENSE NO: 75865

DRAFTED BY: JB  
CHECKED BY: RKB

DATE: 1/31/2024  
JOB NO: 265421001

PROJECT NO:  
PHASE:

ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.

SHEET **C-6**

13 OF 35

WELL 8 TCP MITIGATION PROJECT  
CITY OF HUGHSON  
HUGHSON, CA  
WELL 8 GAC TREATMENT  
SITE COORDINATES

RES. PROFESSIONAL ENGINEER  
KATHY ANDERSEN  
No. 75865  
CIVIL  
STATE OF CALIFORNIA

DATE SIGNED: 1/31/2024

DATE: BY: DATE

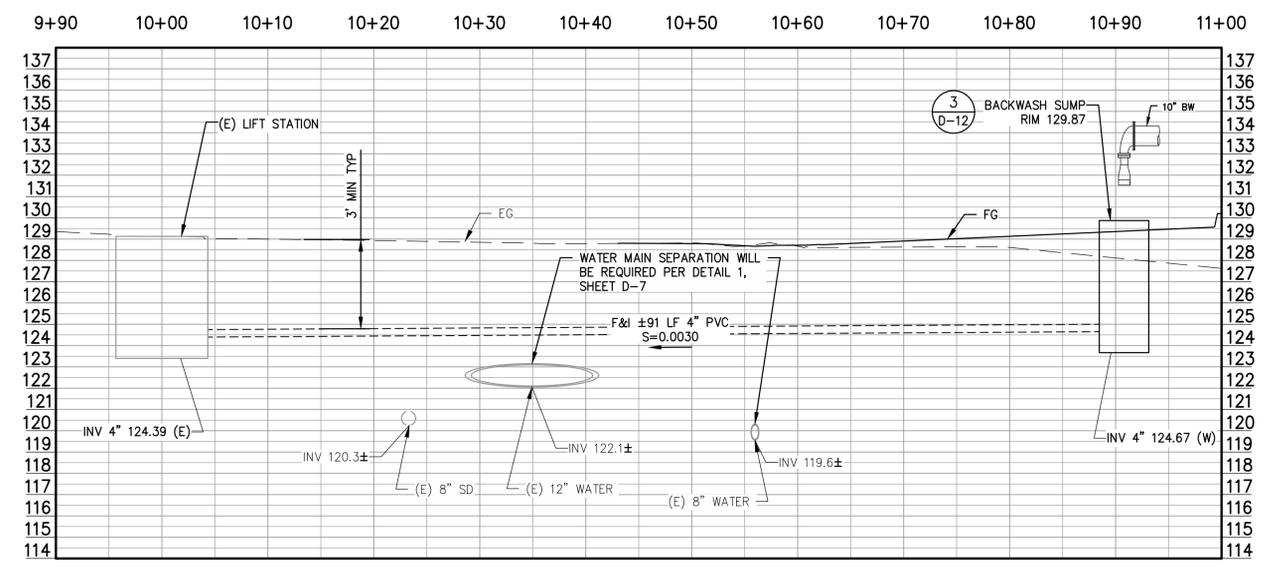
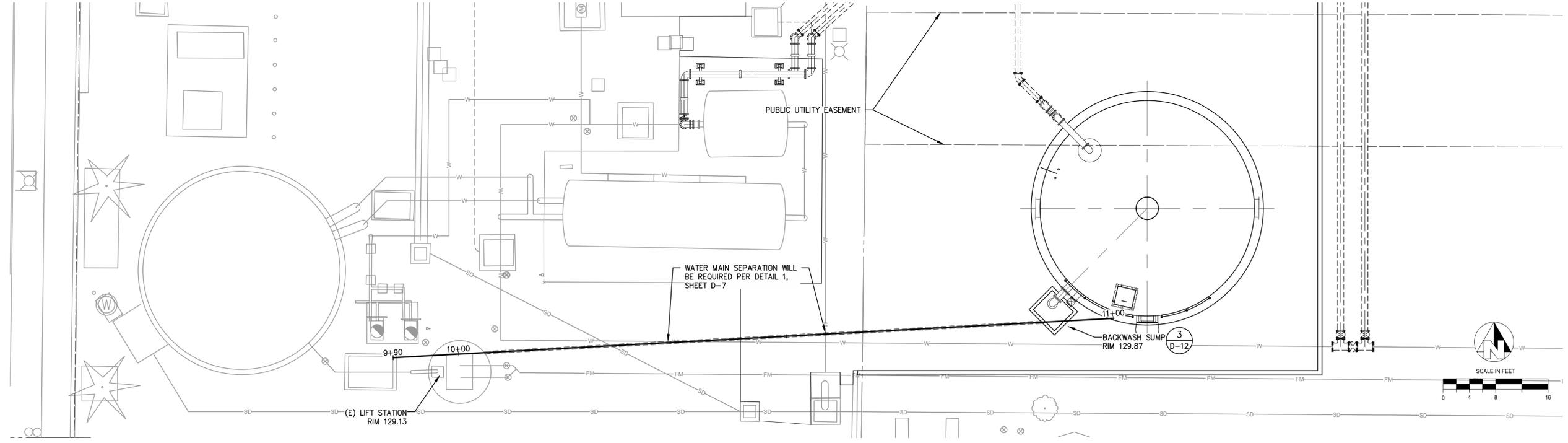
REVISION

BID SET  
1/31/2024

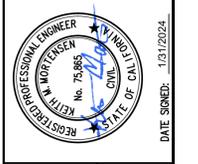
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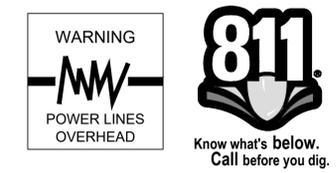


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| REVISION | BY DATE   |
| No.      |           |



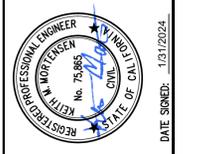
WELL 8 TCP MITIGATION PROJECT  
 CITY OF HUGHSON  
 HUGHSON, CA  
 WELL 8 GAC TREATMENT  
 STORM DRAIN PIPING PLAN

|   |            |
|---|------------|
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| DESIGN ENGINEER:  | KMM        |
| LICENSE NO.:  | 75865      |
| DRAFTED BY:   | JB         |
| CHECKED BY:   | RKB        |
| DATE:   | 1/31/2024  |
| JOB NO.:  | 265421001  |
| PROJECT NO.:  |            |
| PHASE:  |            |
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| SHEET   | <b>C-7</b> |
| 14  | OF 35      |



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WELL 8 TCP MITIGATION PROJECT  
CITY OF HUGHSON  
HUGHSON, CA  
WELL 8 GAC TREATMENT  
VESSEL SLAB PLAN

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465 W. FERRIS AVENUE  
CLOVIS, CALIFORNIA 95311  
559.462.7000 FAX 559.469.2715  
info@provostandpritchard.com

DESIGN ENGINEER:  
KMM  
LICENSE NO:  
75865

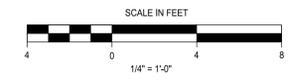
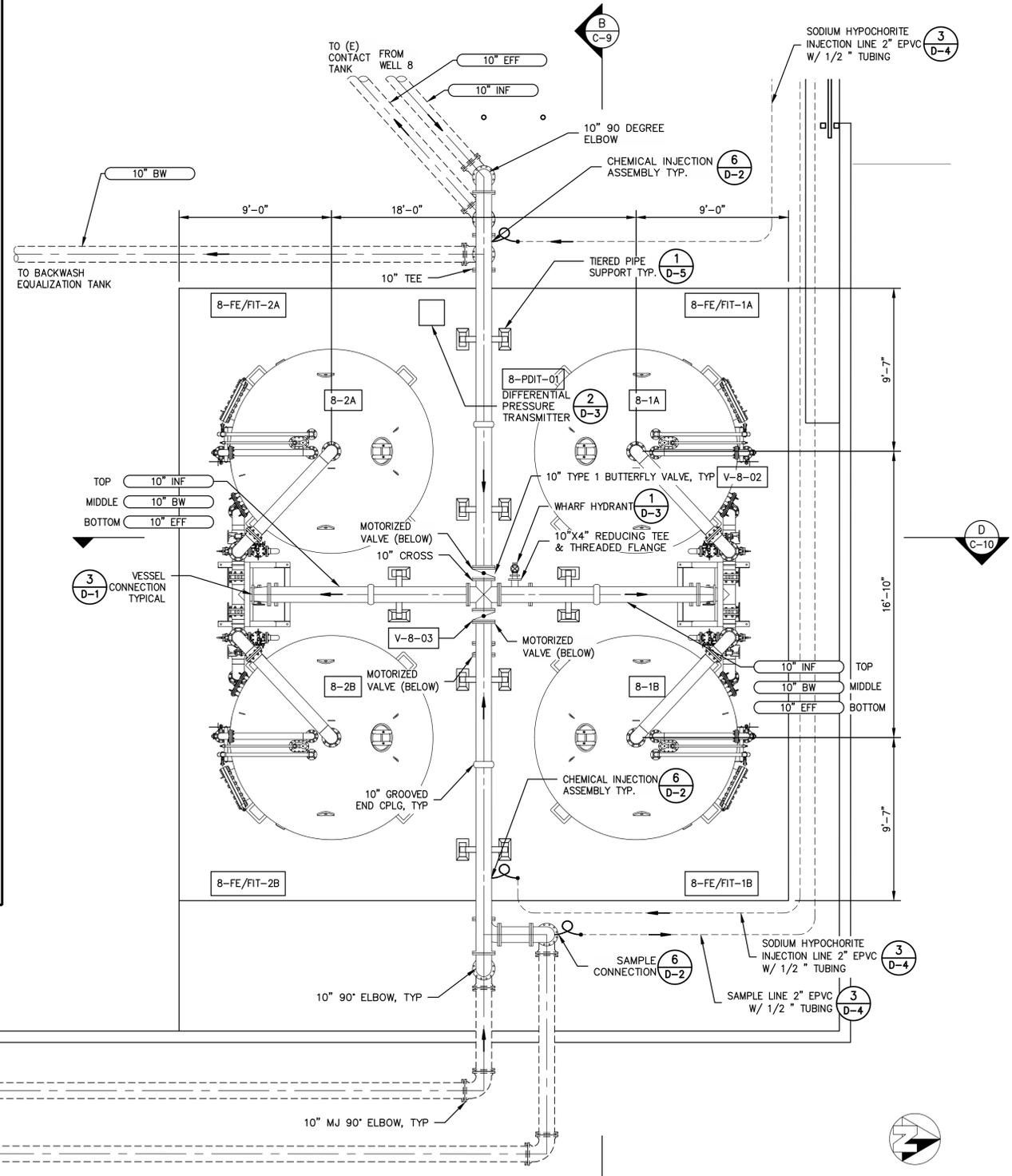
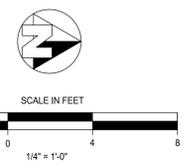
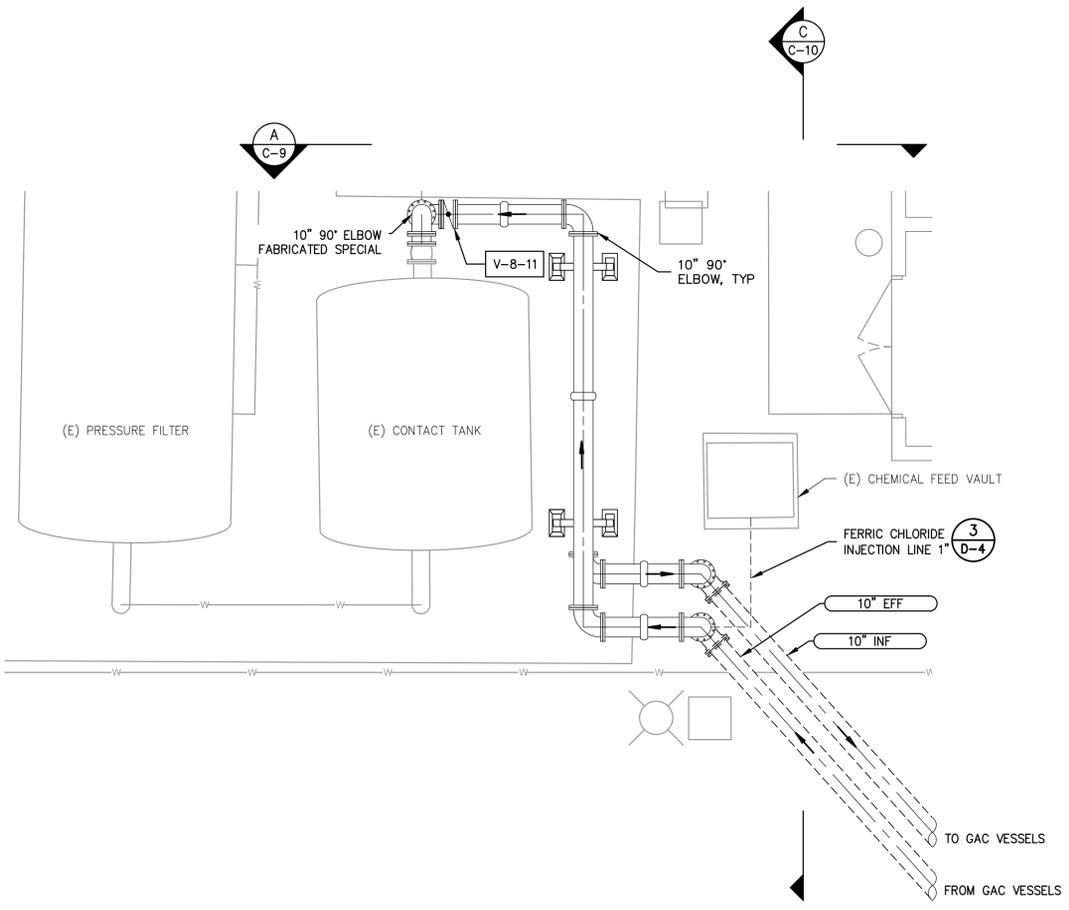
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JOB NO: 265421001

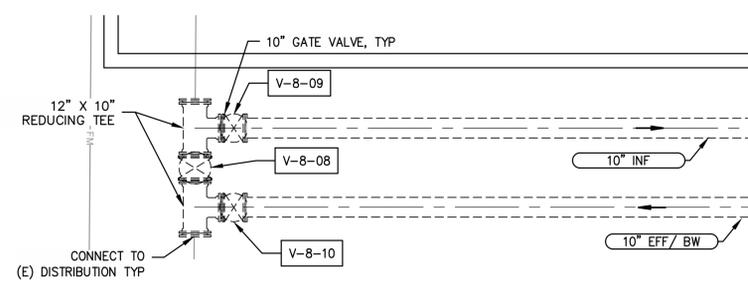
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SHEET **C-8**  
15 OF 35

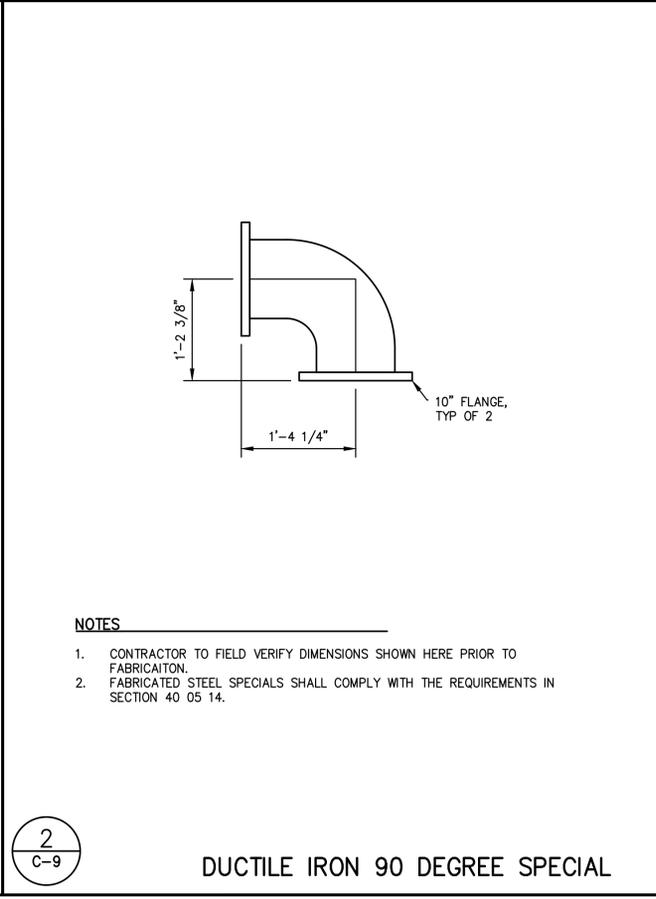
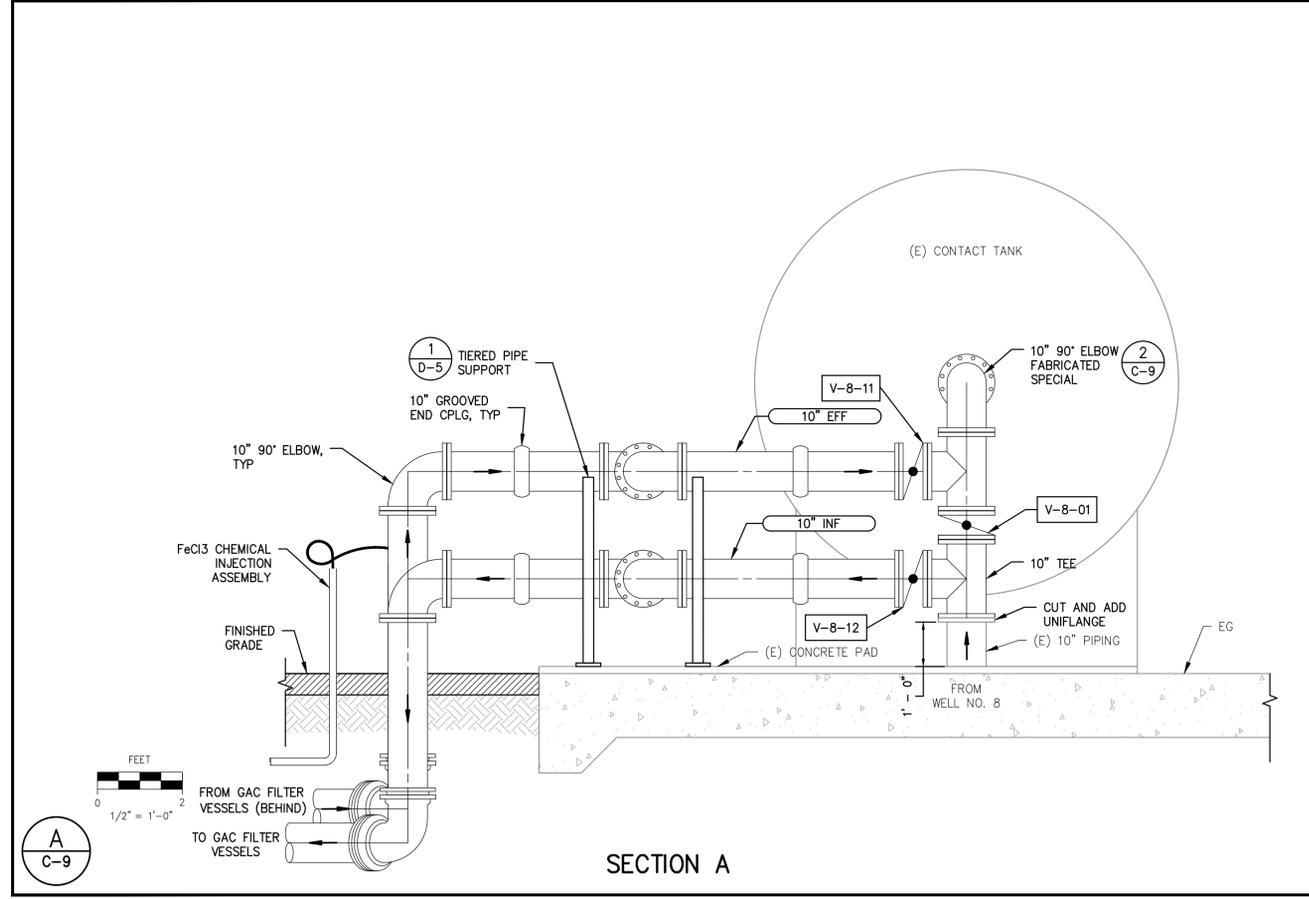
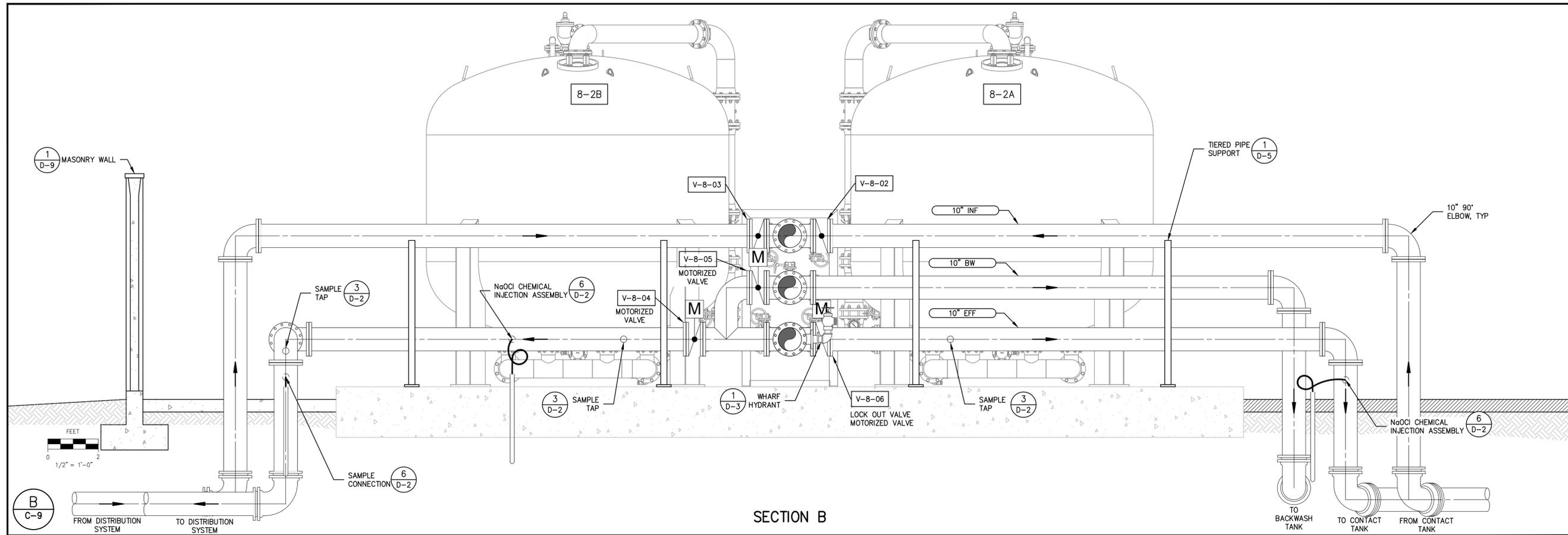


**GAC VESSELS PLAN  
VIEW WELL 8**



1  
C-8

2  
C-8



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EST. 1968  
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info@provostandpritchard.com

**DESIGN ENGINEER:** KMM  
**LICENSE NO.:** 75865  
**DRAFTED BY:** JB  
**CHECKED BY:** RKB  
**DATE:** 1/31/2024  
**JOB NO.:** 265421001  
**PROJECT NO.:**  
**PHASE:**

**WELL 8 TCP MITIGATION PROJECT**  
CITY OF HUGHSON  
HUGHSON, CA  
WELL 8 GAC TREATMENT

**PIPING SECTIONS AND DETAILS**

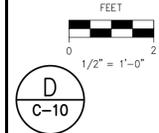
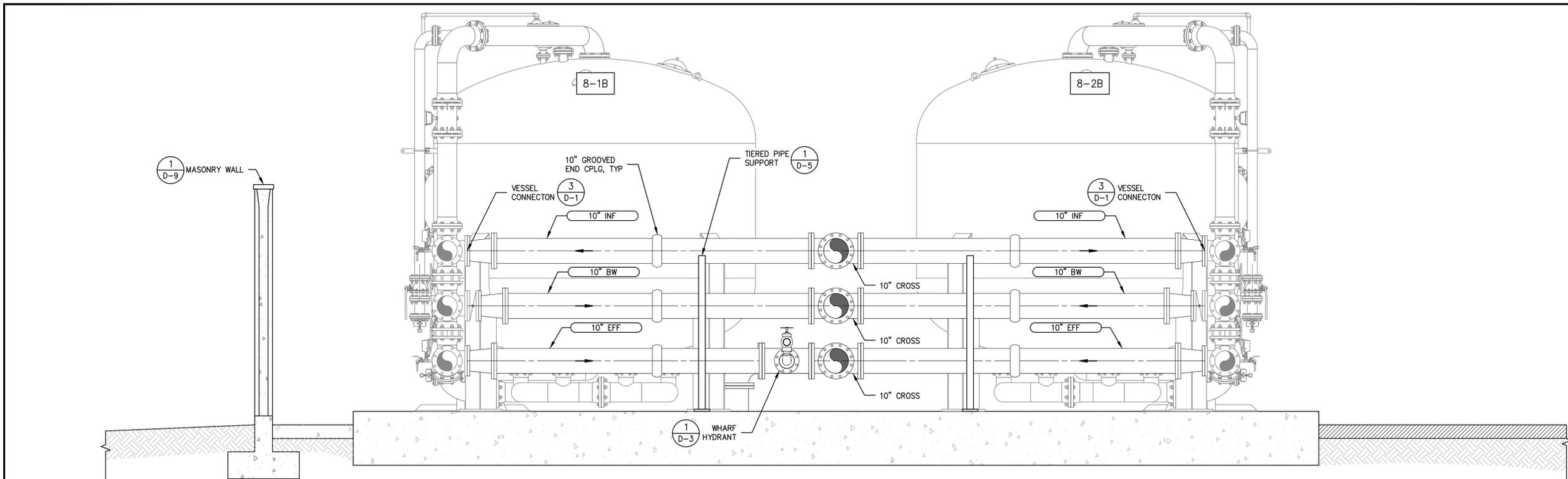
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1/31/2024

**DATE SIGNED:** 1/31/2024  
**REVISION**  
**NO.**  
**BY**  
**DATE**

**SHEET** C-9 **OF** 35

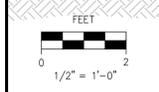
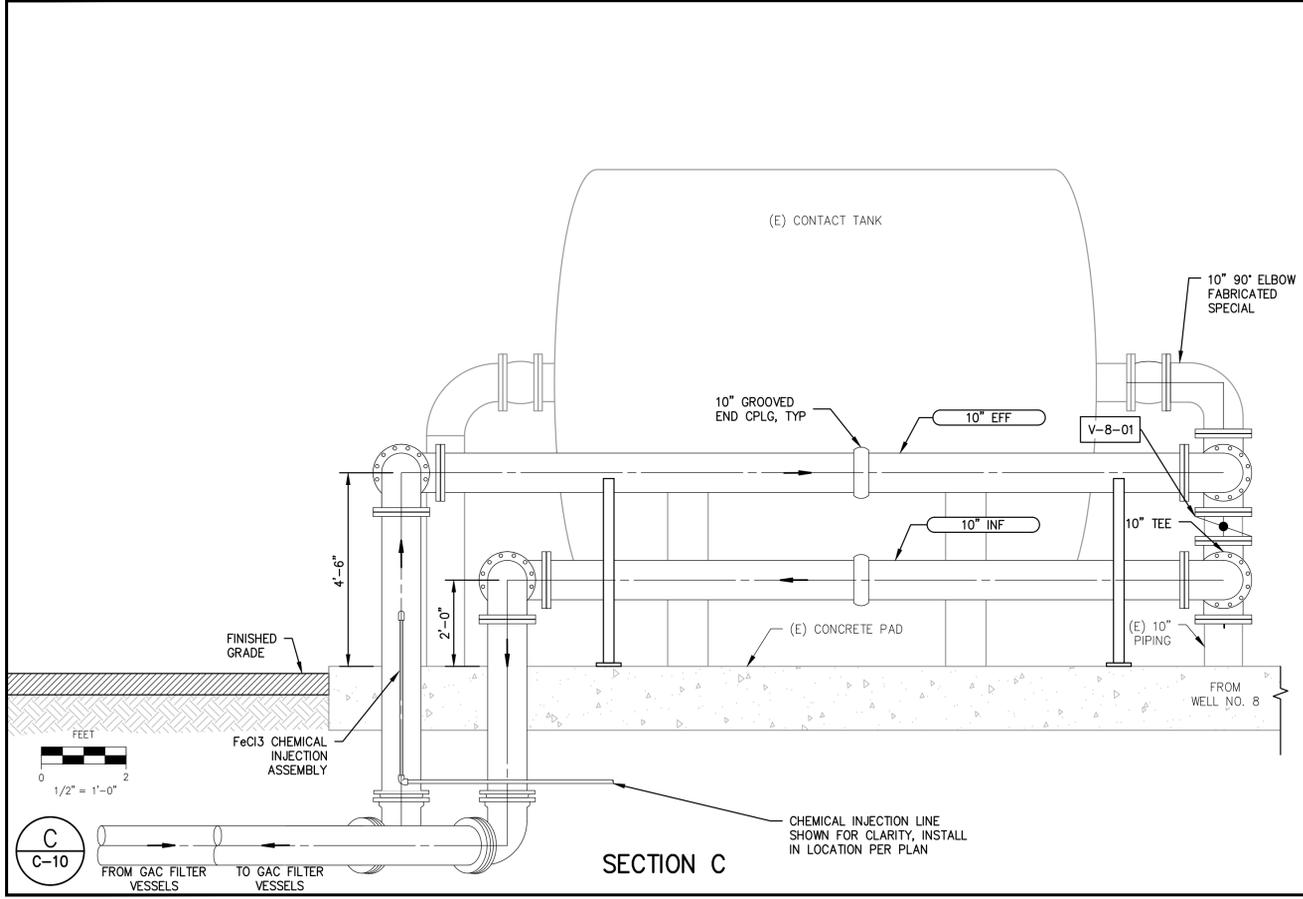
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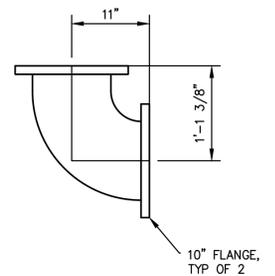
D  
C-10

SECTION D



C  
C-10

SECTION C



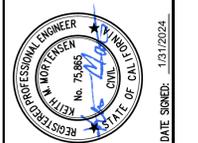
- NOTES**
1. CONTRACTOR TO FIELD VERIFY DIMENSIONS SHOWN HERE PRIOR TO FABRICATION.
  2. FABRICATED STEEL SPECIALS SHALL COMPLY WITH THE REQUIREMENTS IN SECTION 40 05 14.

1  
C-10

FABRICATED STEEL SPECIAL

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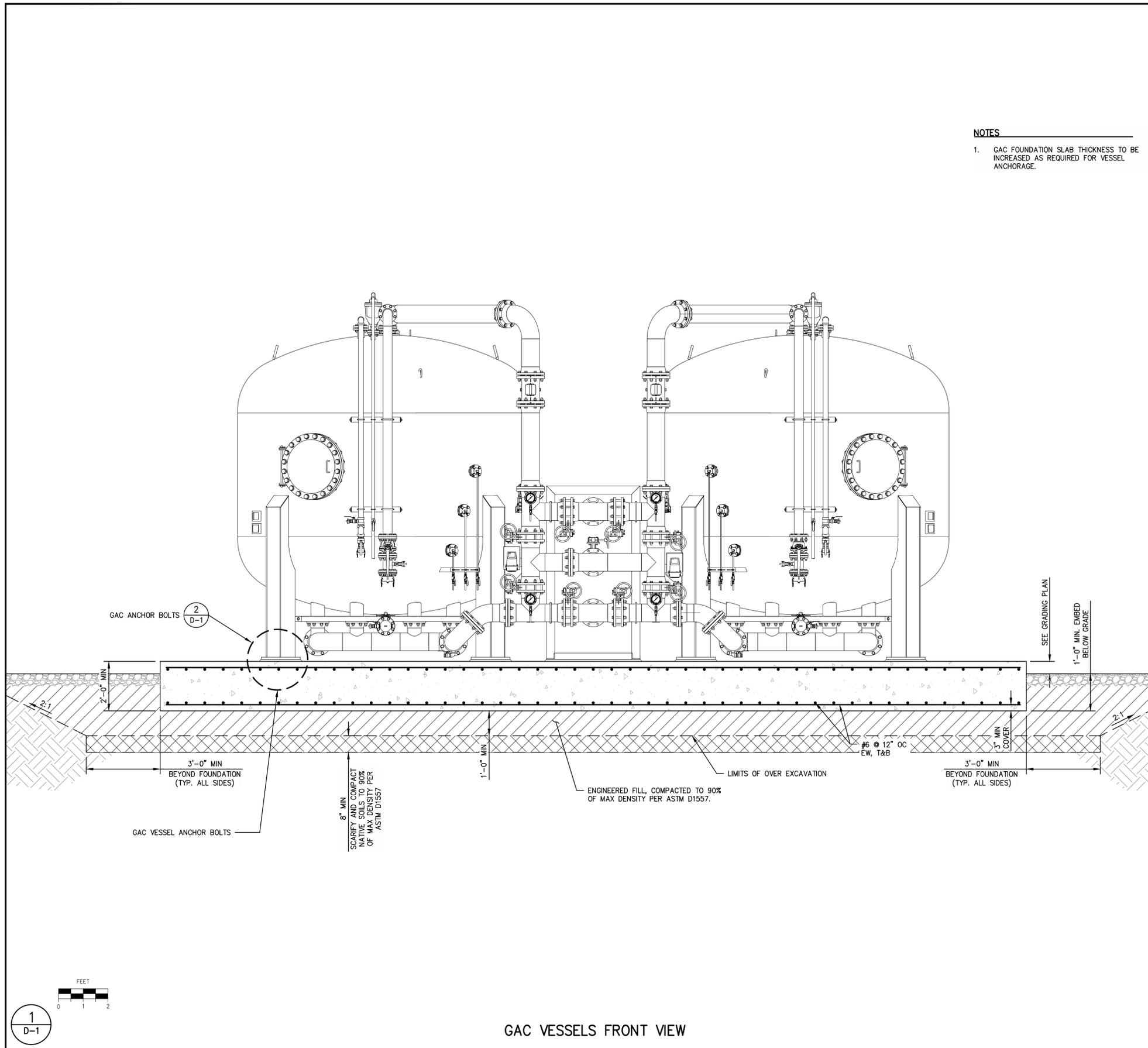
BID SET  
1/31/2024



WELL 8 TCP MITIGATION PROJECT  
CITY OF HUGHSON  
HUGHSON, CA  
WELL 8 GAC TREATMENT  
PIPING SECTIONS AND DETAILS

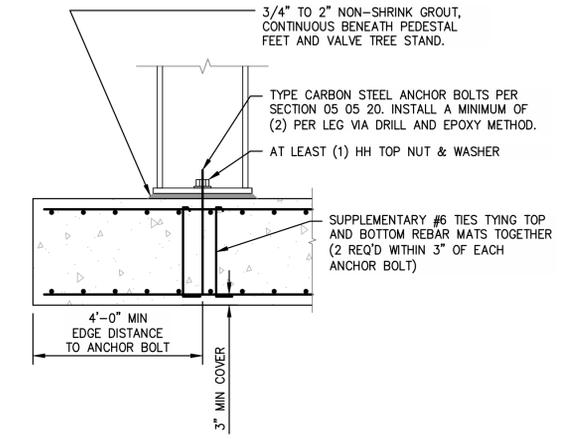
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**PROVOST & PRITCHARD**  
CONSULTING GROUP  
An Employee Owned Company  
145 W. FRANKLIN AVENUE  
CLOVIS, CALIFORNIA 95311  
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info@provostandpritchard.com

DESIGN ENGINEER:  
KMM  
LICENSE NO:  
75865  
DRAFTED BY: JJB  
CHECKED BY: RKB  
DATE: 1/31/2024  
JOB NO: 265421001  
PROJECT NO:  
PHASE:  
ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.  
SHEET **C-10**  
17 OF 35



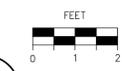
**NOTES**

- GAC FOUNDATION SLAB THICKNESS TO BE INCREASED AS REQUIRED FOR VESSEL ANCHORAGE.

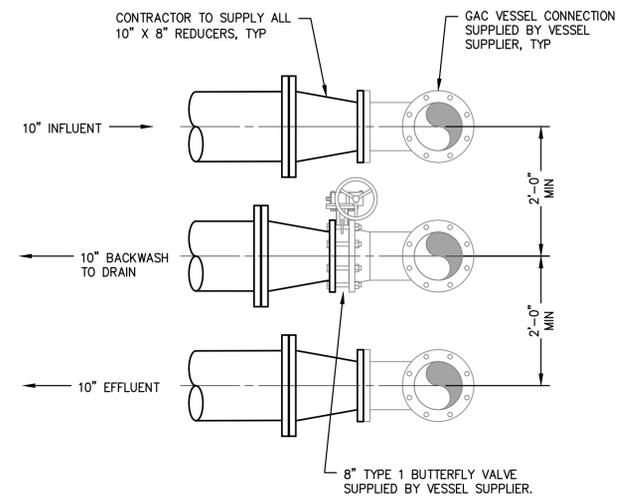


**NOTES**

- 1-1/2" ANCHOR BOLT HOLES IN VESSEL.
- MINIMUM ANCHOR BOLT EMBEDMENT IS 20 INCHES.



**2**  
D-1  
GAC VESSEL ANCHOR BOLTS



**NOTES**

- ORIENTATION OF VESSEL NOZZLES SHALL BE AS SHOWN ON SITE PLANS.

NOT TO SCALE

**3**  
D-1  
VESSEL PIPE CONNECTION

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REGISTERED PROFESSIONAL ENGINEER  
 KEVIN W. ANDERSEN  
 No. 75865  
 CIVIL  
 STATE OF CALIFORNIA  
 DATE SIGNED: 1/31/2024

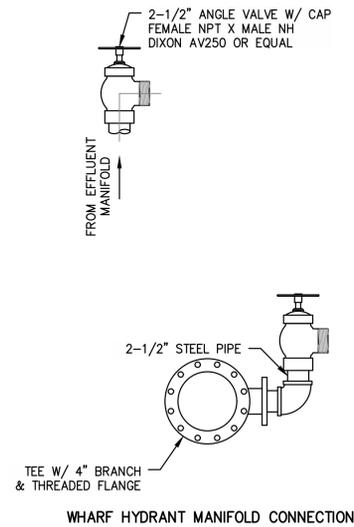
WELL 8 TCP MITIGATION PROJECT  
 CITY OF HUGHSON  
 HUGHSON, CA  
 DETAILS  
**GAC VESSELS**

EST. 1968  
**PROVOST & PRITCHARD**  
 CONSULTING GROUP  
 An Employee Owned Company  
 425 W. FAIR AVENUE  
 COLTON, CALIFORNIA 95911  
 530.462.7000 FAX 530.469.2715  
 info@provostandpritchard.com

DESIGN ENGINEER:  
 KMM  
 LICENSE NO:  
 75865  
 DRAFTED BY: JB  
 CHECKED BY: RKB  
 DATE: 1/31/2024  
 JOB NO: 265421001  
 PROJECT NO:  
 PHASE:  
 ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.  
**SHEET D-1**  
 18 OF 35

2/7/2024 12:02 PM G:\Hughson\_City of-Hughson-City of-2654\2654-21001-TCP Treatment Design\300 CAD\340 Sheet Sets\03\_Details\0-1 GAC VESSELS.dwg -Jennifer Benilia

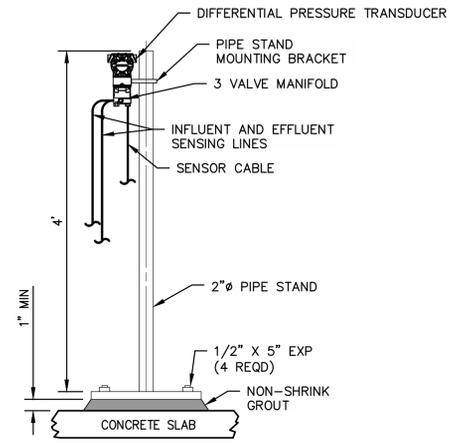




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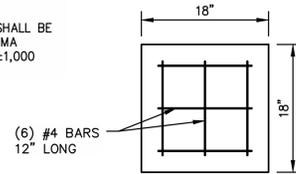
1  
D-3

WHARF HYDRANT



NOTES

- FOR SUPPORTS IN AREAS OUTSIDE OF CONCRETE SLAB, CONSTRUCT 18"x18"x6" PAD UNDER PIPE SUPPORT.
- DIFFERENTIAL PRESSURE TRANSMITTER SHALL BE ROSEMOUNT 2051 OR 3051 WITH 4-20 MA OUTPUT, INTEGRAL LOG DISPLAY, AND ±1,000 INCHES OF WATER RANGE.



NOT TO SCALE

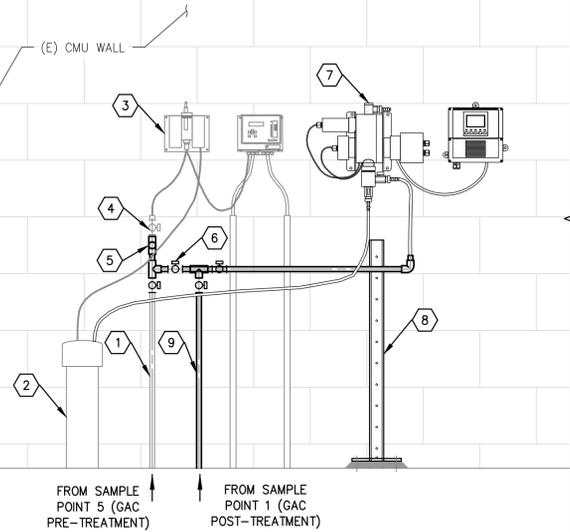
2  
D-3

PRESSURE TRANSDUCER AND STAND



3  
D-3

NITRATE ANALYZER CONNECTION



NOT TO SCALE

4  
D-3

NITRATE ANALYZER CONNECTION DETAIL

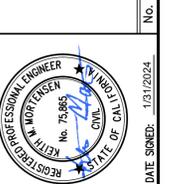
| MATERIAL LIST |   |
|---------------|---|
| ID            | DESCRIPTION   |
| 1             | (E) CONDUIT W/ANALYZER FEED WATER (GAC PRE-TREATMENT) |
| 2             | (E) DRAIN LINE  |
| 3             | (E) CHLORINE ANALYZER                                 |
| 4             | (E) BALL VALVE  |
| 5             | RELOCATED (E) SAMPLE TAP                              |
| 6             | BALL VALVE (TYP)                                      |
| 7             | NITRATE ANALYZER                                      |
| 8             | UNISTRUT PIPE MOUNT, SEE DETAIL 3 SHEET D-6           |
| 9             | CONDUIT W/ANALYZER FEED WATER (GAC POST-TREATMENT)    |

NOTES

- ANALYZER TO BE EQUIPPED WITH MANUFACTURER'S RECOMMENDED SAMPLE CONDITIONING ACCESSORIES.

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BID SET  
1/31/2024



WELL 8 TCP MITIGATION PROJECT  
CITY OF HUGHSON  
HUGHSON, CA  
DETAILS  
MISC. DETAILS

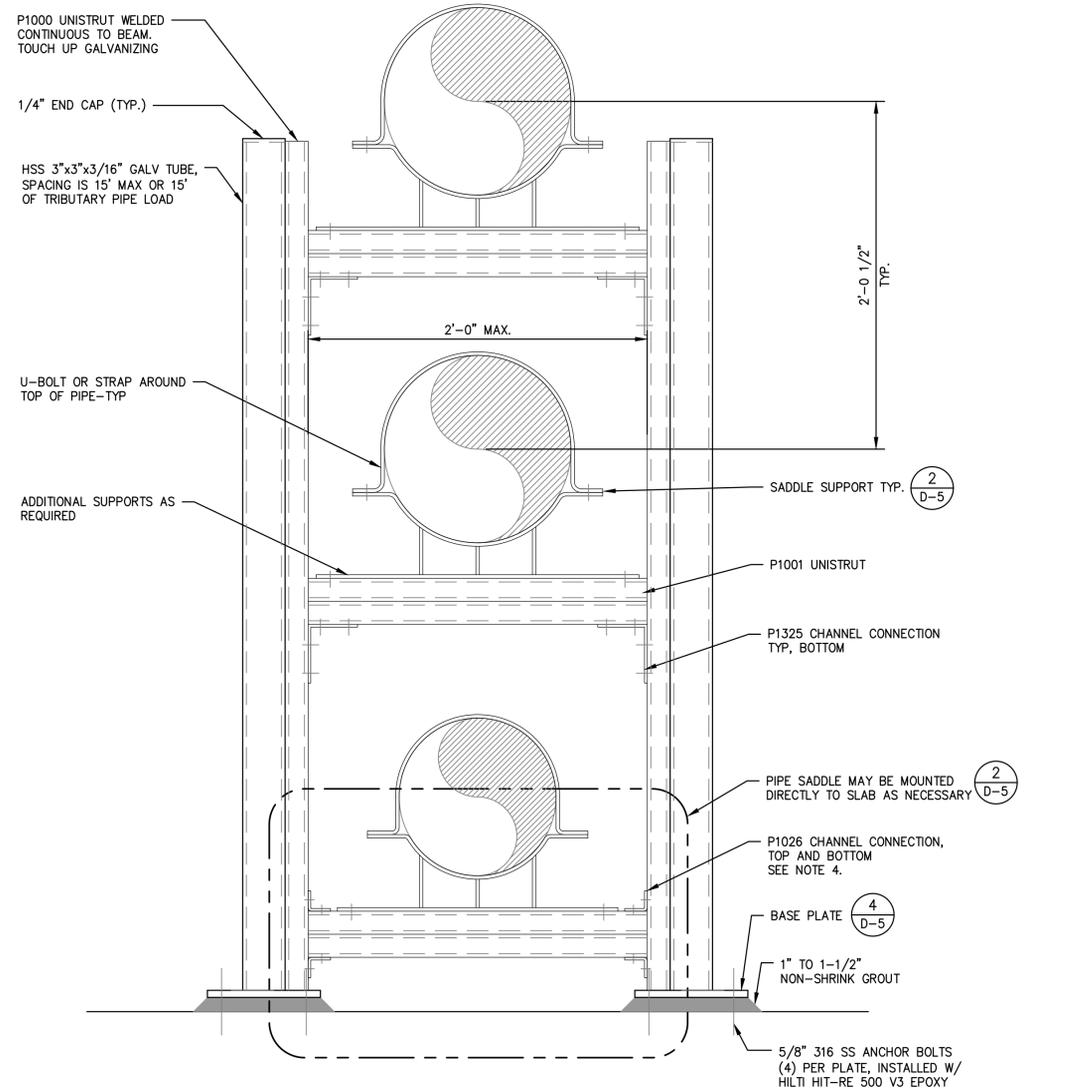
EST. 1968  
**PROVOST & PRITCHARD**  
CONSULTING GROUP  
An Employee Owned Company  
165 W. FRA AVENUE  
CLOVIS, CALIFORNIA 95311  
504462700 FAX 5044692715  
info@provostandpritchard.com

DESIGN ENGINEER:  
KMM  
LICENSE NO:  
75865  
DRAFTED BY: JJB  
CHECKED BY: RKB  
DATE: 1/31/2024  
JOB NO: 265421001  
PROJECT NO:  
PHASE:

0 1"  
ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.  
SHEET  
**D-3**

20 OF 35



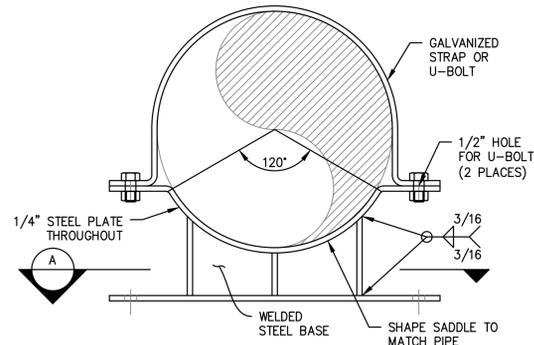


- NOTES**
- PLACE 1/8" TEFLON PAD BETWEEN PIPE AND SADDLE.
  - MODULAR FRAMING COMPONENTS SHALL BE UNISTRUT B-LINE, KUMAR OR EQUAL.
  - USE A 2' DIAMETER 4.5' CAISSON UNDER EACH LEG WITH 6-#6 IN LOCATIONS WHERE LEG FALLS OUTSIDE OF THE GAC VESSEL PAD.
  - P1026 IS ACCEPTABLE TOP AND BOTTOM IF P1325 DOES NOT FIT.
  - CONTRACTOR TO FIELD VERIFY MANIFOLD HEIGHTS

NOT TO SCALE

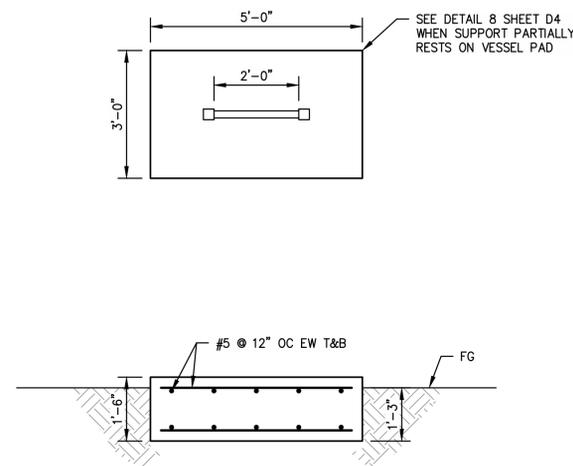
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D-5

**TIERED PIPE SUPPORT**



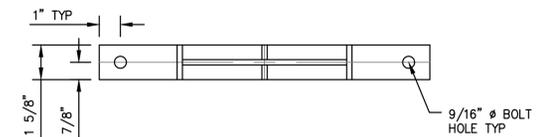
2  
D-5

**PIPE SADDLE**

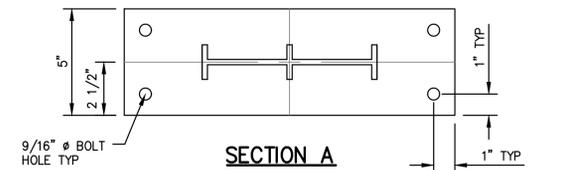


3  
D-5

**TIERED PIPE SUPPORT FOOTING**



**SECTION A**  
**SUPPORT MOUNTING**



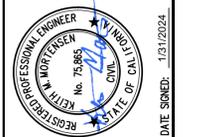
**SECTION A**  
**ELEVATION**  
**GROUND MOUNTING**

4  
D-5

**BASE PLATE DETAIL**

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**WELL 8 TCP MITIGATION PROJECT**  
CITY OF HUGHSON  
HUGHSON, CA  
DETAILS

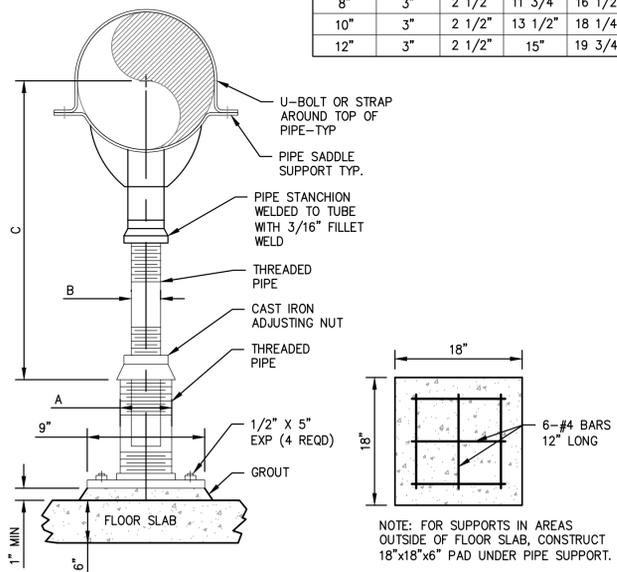
**PROVOST & PRITCHARD**  
CONSULTING GROUP  
An Employee Owned Company  
EST. 1968  
105 W. FERRIS AVENUE  
CLOVIS, CALIFORNIA 95311  
504462700 FAX 5044692715  
info@provostandpritchard.com

DESIGN ENGINEER:  
KMM  
LICENSE NO:  
75865  
DRAFTED BY: JJB  
CHECKED BY: RKB  
DATE: 1/31/2024  
JOB NO: 265421001  
PROJECT NO:  
PHASE:  
ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.

SHEET **D-5**  
22 OF 35

PI-0507

| PIPE SIZE | "A"    |        | "B"     |         | "C" |     |
|-----------|--------|--------|---------|---------|-----|-----|
|           | MIN    | MAX    | MIN     | MAX     | MIN | MAX |
| 2 1/2"    | 2 1/2" | 1 1/2" | 8"      | 13"     |     |     |
| 3"        | 2 1/2" | 1 1/2" | 8 1/4"  | 13 1/4" |     |     |
| 4"        | 3"     | 2 1/2" | 9 1/4"  | 14"     |     |     |
| 6"        | 3"     | 2 1/2" | 10 1/2" | 15 1/4" |     |     |
| 8"        | 3"     | 2 1/2" | 11 3/4" | 16 1/2" |     |     |
| 10"       | 3"     | 2 1/2" | 13 1/2" | 18 1/4" |     |     |
| 12"       | 3"     | 2 1/2" | 15"     | 19 3/4" |     |     |



NOTE: FOR SUPPORTS IN AREAS OUTSIDE OF FLOOR SLAB, CONSTRUCT 18"x18"x6" PAD UNDER PIPE SUPPORT.

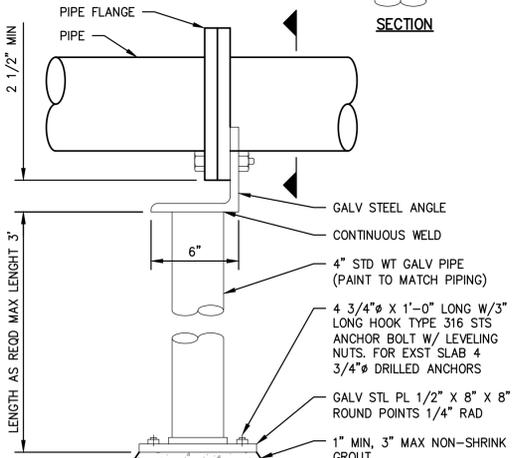
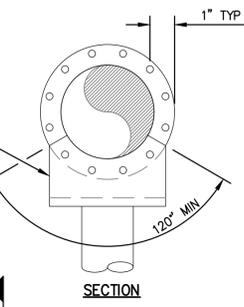
1  
D-6

PIPE SUPPORT

NOTES

- BOLT HOLES TO MATCH FLANGE
- ROUND ALL SHARP EDGES TYP

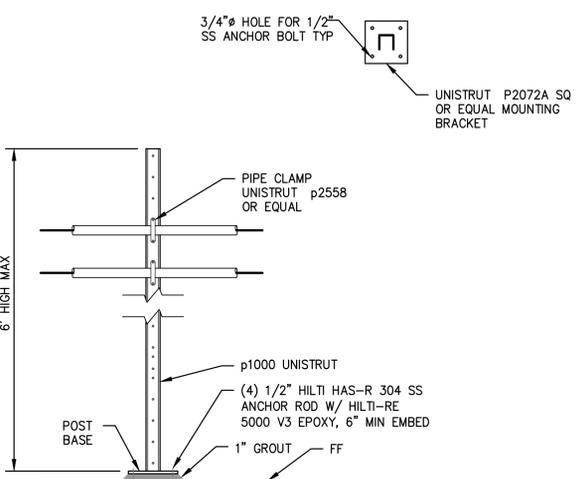
PIPE NOM DIA 4-8 L 6x6x1/2  
 PIPE NOM DIA 10-14 L 8x6x1/2  
 PIPE NOM DIA 16-24 L 10x6x1/2



ELEVATION

2  
D-6

PIPE SUPPORT



NOTES

- UNISTRUT SUPPORTS SHALL BE FRP WITH STAINLESS STEEL FASTENERS AND CLIPS.
- MAX SPACING FOR CPVC PIPE, 4" FOR UP TO 1" DIA, 5" FOR 1 1/4" - 2" DIA, AND 6" FOR 2 1/2" - 3" DIA.

3  
D-6

UNISTRUT PIPE MOUNT

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1/31/2024



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 MISC. DETAILS

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 LICENSE NO:  
75865  
 DRAFTED BY: JJB  
 CHECKED BY: RKB  
 DATE: 1/31/2024  
 JOB NO: 265421001  
 PROJECT NO:  
 PHASE:

0 1"  
 ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.  
 SHEET  
**D-6**  
 23 OF 35

**CASE 1: NEW SANITARY SEWER MAIN INSTALLATION (FIGURES 1 AND 2)**

**ZONE SPECIAL CONSTRUCTION REQUIRED FOR SANITARY SEWER MAIN**  
 A SANITARY SEWER MAINS PARALLEL TO WATER MAINS SHALL NOT BE PERMITTED IN THIS ZONE WITHOUT PRIOR WRITTEN APPROVAL FROM THE DIVISION OF DRINKING WATER AND PUBLIC WATER SYSTEM.

- B IF THE WATER MAIN PARALLELING THE SANITARY SEWER MAIN DOES NOT MEET THE CASE 2 ZONE B REQUIREMENTS, THE SANITARY SEWER MAIN SHOULD BE CONSTRUCTED OF ONE OF THE FOLLOWING:
1. HIGH-DENSITY-POLYETHYLENE (HDPE) PIPE WITH FUSION WELDED JOINTS (PER AWWA C906-99);
  2. SPIRALLY-REINFORCED HDPE PIPE WITH GASKETED JOINTS (PER ASTM F-894);
  3. EXTRA STRENGTH VITRIFIED CLAY PIPE WITH COMPRESSION JOINTS;
  4. PVC SEWER PIPE WITH RUBBER RING JOINTS (PER ASTM D3034) OR EQUIVALENT;
  5. CAST OR DUCTILE IRON PIPE WITH COMPRESSION JOINTS; OR
  6. REINFORCED CONCRETE PRESSURE PIPE WITH COMPRESSION JOINTS (PER AWWA C302).

C IF THE WATER MAIN CROSSING BELOW THE SANITARY SEWER MAIN DOES NOT MEET THE REQUIREMENTS FOR CASE 2 ZONE C, THE SANITARY SEWER MAIN SHOULD HAVE NO JOINTS WITHIN TEN FEET FROM EITHER SIDE OF THE WATER MAIN (IN ZONE C) AND SHOULD BE CONSTRUCTED OF ONE OF THE FOLLOWING:

1. A CONTINUOUS SECTION OF DUCTILE IRON PIPE WITH HOT DIP BITUMINOUS COATING; OR
2. ONE OF THE ZONE D OPTIONS 1, 3, 4, OR 5 BELOW.

D IF THE WATER MAIN CROSSING ABOVE THE SANITARY SEWER MAIN DOES NOT MEET THE CASE 2 ZONE D REQUIREMENTS, THE SANITARY SEWER MAIN SHOULD HAVE NO JOINTS WITHIN FOUR FEET FROM EITHER SIDE OF THE WATER MAIN (IN ZONE D) AND BE CONSTRUCTED OF ONE OF THE FOLLOWING:

1. HDPE PIPE WITH FUSION-WELDED JOINTS (PER AWWA C906);
2. DUCTILE IRON PIPE WITH HOT DIP BITUMINOUS COATING AND MECHANICAL JOINTS (GASKETED, BOLTED JOINTS);
3. A CONTINUOUS SECTION OF CLASS 235 (DR 18 PER AWWA C900) PVC PIPE OR EQUIVALENT, CENTERED OVER THE PIPE BEING CROSSED;
4. A CONTINUOUS SECTION OF REINFORCED CONCRETE PRESSURE PIPE (PER AWWA C302) CENTERED OVER THE PIPE BEING CROSSED; OR
5. ANY SANITARY SEWER MAIN WITHIN A CONTINUOUS SLEEVE.

**CASE 2: NEW WATER MAINS INSTALLATION (FIGURES 1 AND 2)**

**ZONE SPECIAL CONSTRUCTION REQUIRED FOR WATER MAIN**  
 A NO WATER MAINS PARALLEL TO SANITARY SEWER MAINS SHALL BE CONSTRUCTED WITHOUT PRIOR WRITTEN APPROVAL FROM THE DIVISION OF DRINKING WATER.

B IF THE SANITARY SEWER MAIN PARALLELING THE WATER MAIN DOES NOT MEET THE CASE 1 ZONE B REQUIREMENTS, THE WATER MAIN SHOULD BE CONSTRUCTED OF ONE OF THE FOLLOWING:

1. HDPE PIPE WITH FUSION WELDED JOINTS (PER AWWA C906);
2. DUCTILE IRON PIPE WITH HOT DIP BITUMINOUS COATING;
3. DIPPED AND WRAPPED ONE-FOURTH-INCH-THICK WELDED STEEL PIPE;
4. CLASS 235 PRESSURE RATED PVC WATER PIPE (DR 18 PER AWWA C900 & C905) OR EQUIVALENT; OR
5. REINFORCED CONCRETE PRESSURE PIPE, STEEL CYLINDER TYPE, PER AWWA (C300 OR C302 OR C303).

C IF THE SANITARY SEWER MAIN CROSSING ABOVE THE WATER MAIN DOES NOT MEET THE CASE 1 ZONE C REQUIREMENTS, THE WATER MAIN SHOULD HAVE NO JOINTS WITHIN TEN FEET FROM EITHER SIDE OF THE SANITARY SEWER MAIN (IN ZONE C) AND BE CONSTRUCTED OF ONE OF THE FOLLOWING:

1. HDPE PIPE WITH FUSION-WELDED JOINTS (PER AWWA C906);
2. DUCTILE IRON PIPE WITH HOT DIP BITUMINOUS COATING;
3. DIPPED AND WRAPPED ONE-FOURTH-INCH-THICK WELDED STEEL PIPE;
4. CLASS 235 PRESSURE RATED PVC WATER PIPE (DR 18 PER AWWA C900 & C905); OR
5. REINFORCED CONCRETE PRESSURE PIPE, STEEL CYLINDER TYPE, PER AWWA (C300 OR C301 OR C303).

D IF THE SANITARY SEWER MAIN CROSSING BELOW THE WATER MAIN DOES NOT MEET THE REQUIREMENTS FOR CASE 1 ZONE D, THE WATER MAIN SHOULD HAVE NO JOINTS WITHIN EIGHT FEET FROM EITHER SIDE OF THE SANITARY SEWER MAIN (IN ZONE D) AND SHOULD BE CONSTRUCTED AS FOR ZONE C.

SS-0201

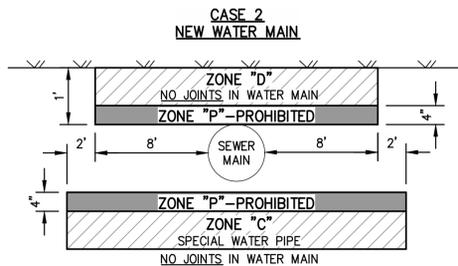
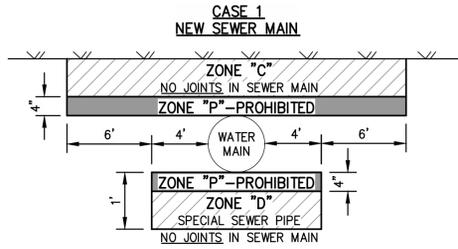


FIGURE 2-CROSSINGS

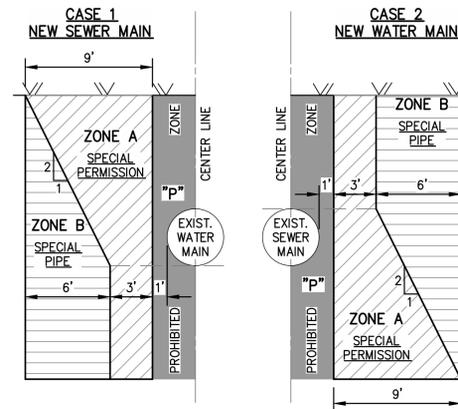


FIGURE 1 PARALLEL CONSTRUCTION

NOTE: ZONES IDENTICAL ON EITHER SIDE OF CENTER LINES.

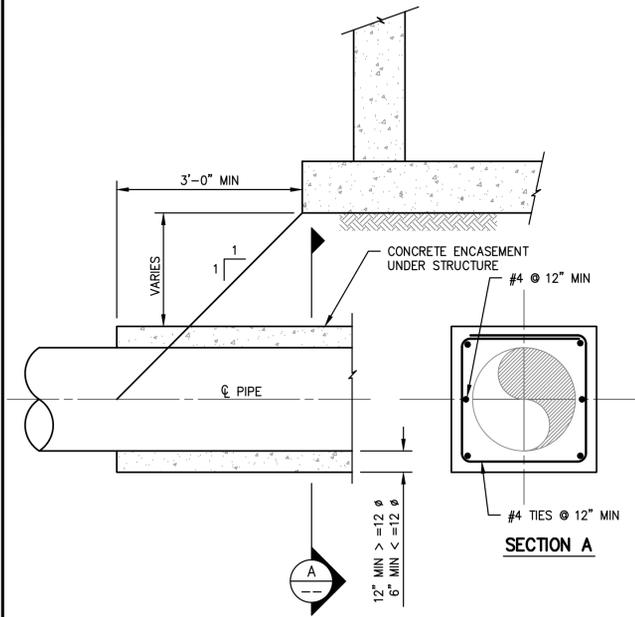
ZONE "P" IS A PROHIBITED ZONE.

SECTION 64572 (a) CALIFORNIA CODE OF REGULATIONS, TITLE 22.

NOT TO SCALE

1  
D-7

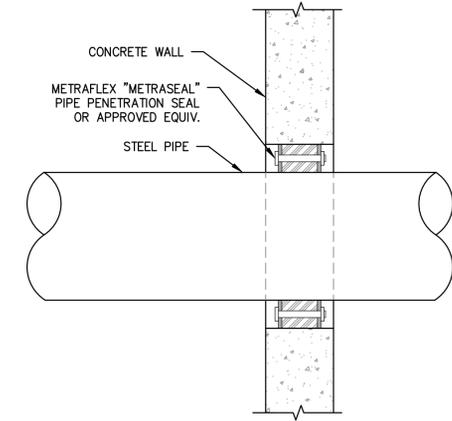
**WATER MAIN SEPARATION**



NOT TO SCALE

2  
D-7

**CONCRETE ENCASEMENT UNDER STRUCTURES**



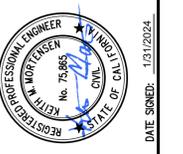
FEET  
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3  
D-7

**STEEL PIPE PENETRATION**

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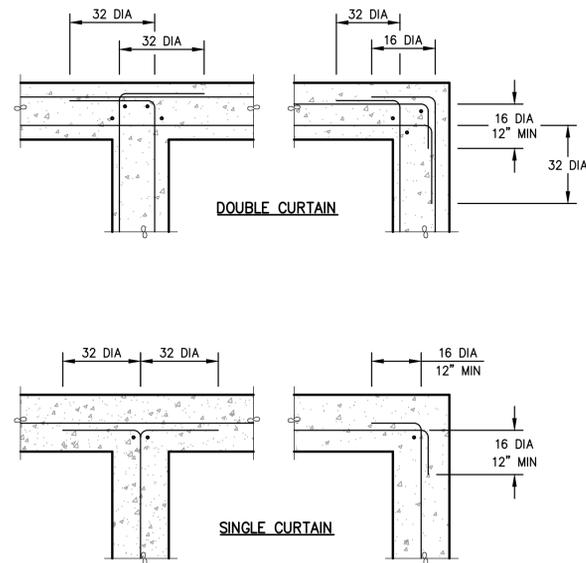
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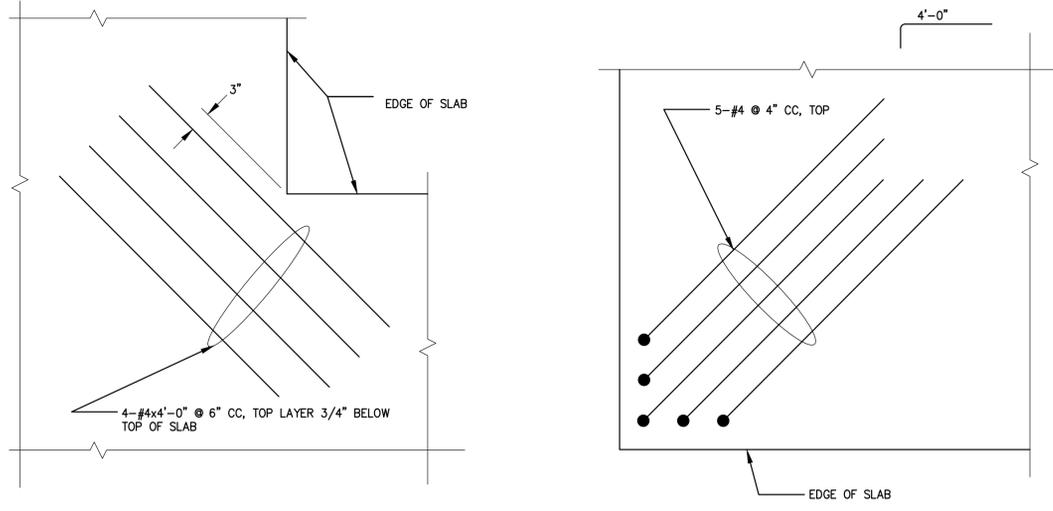
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| DATE SIGNED: 1/31/2024        |                                |               |

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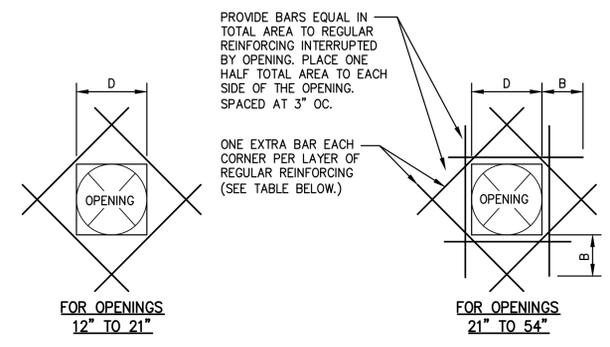
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| DRAFTED BY:<br>JB   | CHECKED BY:<br>RKB   |
| DATE:<br>1/31/2024  | JOB NO:<br>265421001 |
| PROJECT NO:   | PHASE:               |
| ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS. |                      |
| SHEET   |                      |



1  
D8  
REINFORCEMENTS WITH NO WATERSTOPS



2  
D8  
INTERIOR AND EXTERIOR CORNERS

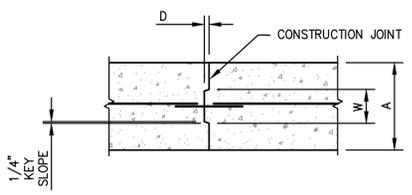


| BAR LENGTH            |          |               |                |
|-----------------------|----------|---------------|----------------|
| THICKNESS OF CONCRETE | BAR SIZE | RECT. OPENING | CIRCLE OPENING |
| < 12"                 | #4       | 3'-0"         | D+24"          |
| 12" - 18"             | #5       | 3'-0"         | D+24"          |
| >18"                  | #6       | 3'-8"         | D+24"          |

B = THE REQUIRED LENGTH FOR LAPPED SPLICE FOR TOP BARS AS SHOWN IN CONC. REINFORCEMENT SPLICE TABLE.

NOTE  
THIS DETAIL APPLIES TO ALL OPENINGS IN WALLS AND SLABS THAT DO NOT RETAIN LIQUID OR SOIL

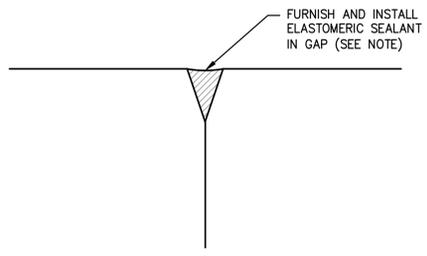
3  
D8  
CONCRETE OPENING REINFORCEMENT WITHOUT LIQUID OR SOIL



- NOTES
- KEYS ARE REQUIRED FOR HORIZONTAL CONSTRUCTION JOINTS.
  - FOR SUSPENDED SLABS, PROVIDE A KEY FOR AT LEAST 50% OF THE CONSTRUCTION JOINT LENGTH.

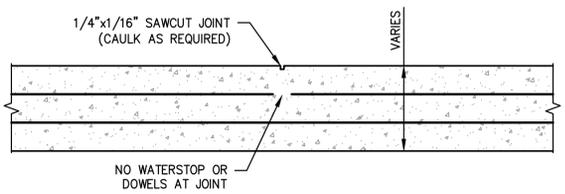
| THICKNESS OF SLAB OR WALL "A" | NOMINAL KEY SIZE DxW |
|-------------------------------|----------------------|
| LESS THAN 8"                  | 2x3                  |
| 9" TO 12"                     | 2x4                  |
| 13" TO 18"                    | 2x6                  |
| 19" TO 24"                    | 2x8                  |
| MORE THAN 24"                 | 2x12                 |

4  
D8  
CONCRETE LONGITUDINAL JOINT



SEALANT NOTE:  
ALL COLD JOINT INTERFACES BETWEEN CONCRETE SURFACES SHALL BE FILLED WITH "SIKAFLEX 1A" ELASTOMERIC SEALANT OR APPROVED EQUAL. CONCRETE SHALL CURE FOR AT LEAST 72 HOURS PRIOR TO SEALANT PLACEMENT. CLEAN OUT GAP PRIOR TO SEALANT PLACEMENT AND APPLY ACCORDING TO PRODUCT MANUFACTURER REQUIREMENTS. SEALANT SHALL FILL JOINT COMPLETELY.

5  
D8  
CONCRETE JOINT SEAL



- NOTES
- IF SINGLE LAYER REINFORCEMENT, EVERY OTHER BAR IS DISCONTINUOUS AT JOINT.
  - IF 2 LAYERS REINFORCEMENT, TOP LAYER IS COMPLETELY DISCONTINUOUS AT JOINT.
  - JOINT FORMED WITH TOOL OR INSERT STRIP MAY BE SUBSTITUTED FOR SAWED TYPE ONLY WITH PRIOR ACCEPTANCE BY THE ENGINEER.
  - SAWED JOINT MUST BE CONSTRUCTED WITHIN 12 HOURS OF CONCRETE PLACEMENT.

6  
D8  
CONCRETE CONTROL JOINT

BID SET  
1/31/2024

DATE SIGNED: 1/31/2024

PROFESSIONAL ENGINEER  
KIM M. MADSEN  
No. 75865  
CIVIL  
STATE OF CALIFORNIA

DATE SIGNED: 1/31/2024

WELL 8 TCP MITIGATION PROJECT

CITY OF HUGHSON  
HUGHSON, CA

DETAILS

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EST. #1968  
**PROVOST & PRITCHARD**  
CONSULTING GROUP  
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DESIGN ENGINEER:  
KMM  
LICENSE NO:  
75865

DRAFTED BY: JB  
CHECKED BY: RKB

DATE: 1/31/2024

JOB NO: 265421001

PROJECT NO:

PHASE:

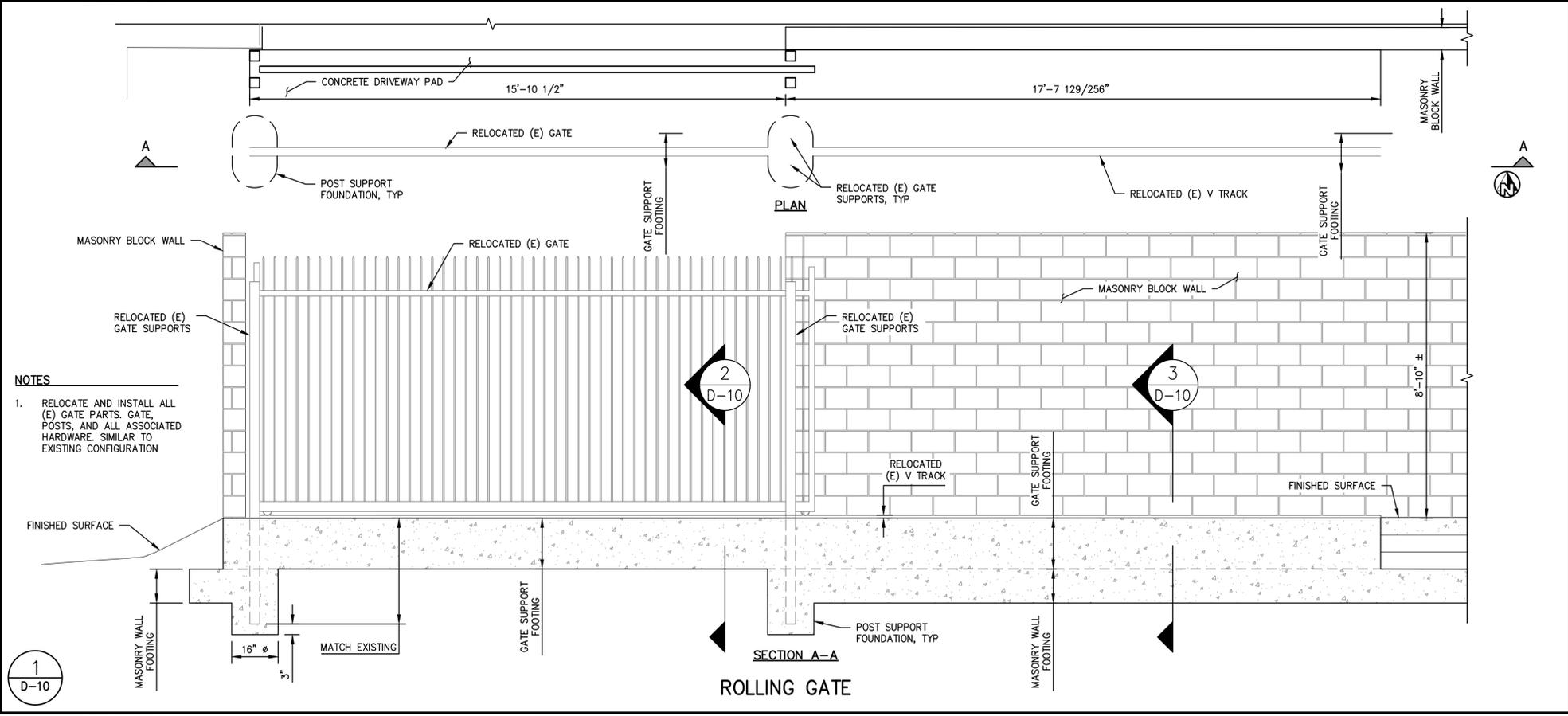
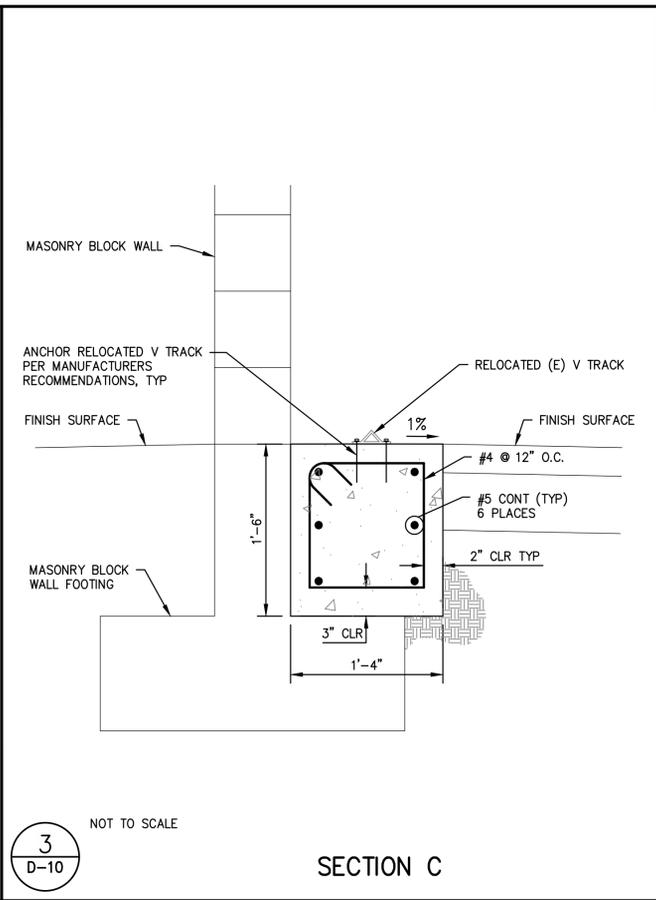
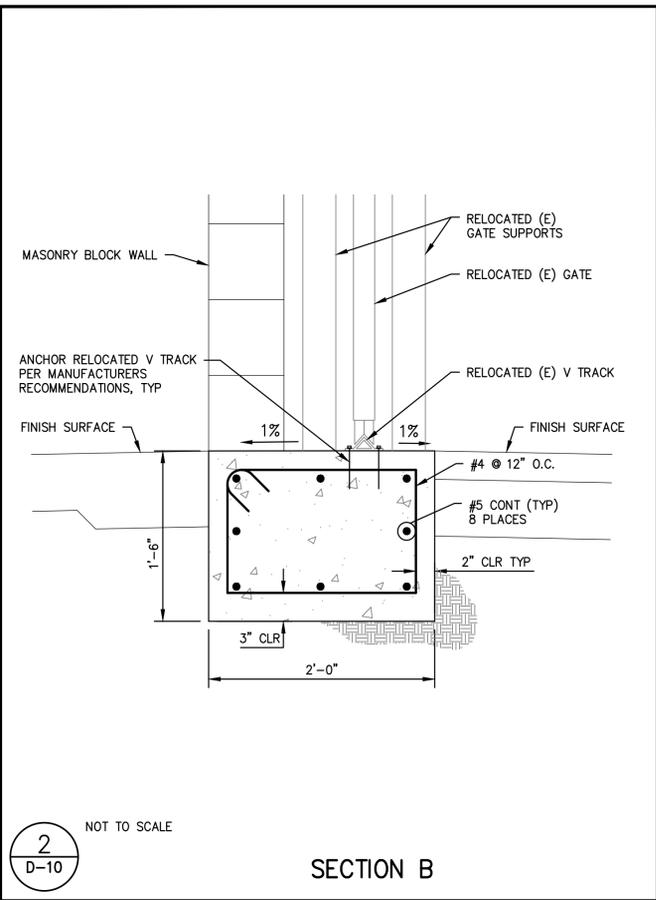
0 1"

ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.

SHEET  
**D-8**

25 OF 35





- NOTES**
- RELOCATE AND INSTALL ALL (E) GATE PARTS, GATE POSTS, AND ALL ASSOCIATED HARDWARE, SIMILAR TO EXISTING CONFIGURATION

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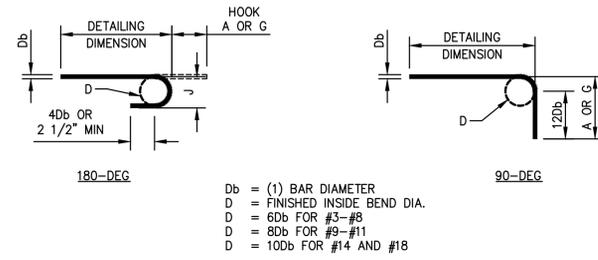
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CITY OF HUGHSON  
HUGHSON, CA  
DETAILS  
MISC. DETAILS

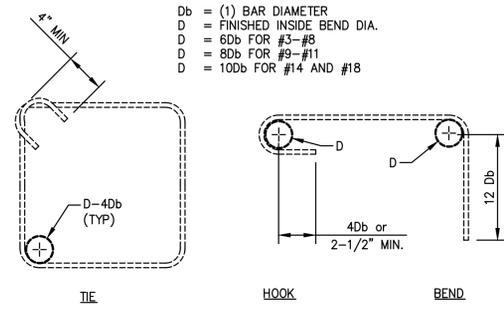
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DESIGN ENGINEER:  
KMM  
LICENSE NO:  
75865  
DRAFTED BY: JJB  
CHECKED BY: RKB  
DATE: 1/31/2024  
JOB NO: 265421001  
PROJECT NO:  
PHASE:  
0 1'  
ORIGINAL SCALE SHOWN IS  
ONE INCH. ADJUST SCALE FOR  
REDUCED OR ENLARGED PLANS.  
SHEET  
**D-10**  
27 OF 35



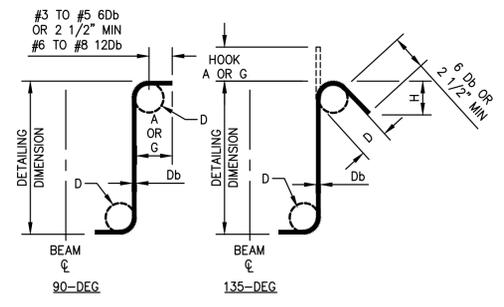
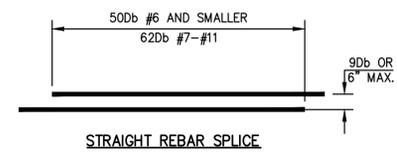
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 D = FINISHED INSIDE BEND DIA.  
 D = 6Db FOR #3-#8  
 D = 8Db FOR #9-#11  
 D = 10Db FOR #14 AND #18

| DIMENSION OF STANDARD 180° HOOKS, ALL GRADES |         |         |        | DIMENSION OF STANDARD 90° HOOKS, ALL GRADES |        |  |
|--|---------|---------|--------|---|--------|--|
| SIZE   | D       | J       | A OR G | D   | A OR G |  |
| #3   | 2 1/4"  | 3"      | 5"     | 2 1/4"                                      | 6"     |  |
| #4   | 3"      | 4"      | 6"     | 3"  | 8"     |  |
| #5   | 3 3/4"  | 5"      | 7"     | 3 3/4"                                      | 10"    |  |
| #6   | 4 1/2"  | 6"      | 8"     | 4 1/2"                                      | 12"    |  |
| #7   | 5 1/4"  | 7"      | 10"    | 5 1/4"                                      | 14"    |  |
| #8   | 6"      | 8"      | 11"    | 6"  | 16"    |  |
| #9   | 9 1/2"  | 11 3/4" | 15"    | 9 1/2"                                      | 19"    |  |
| #10  | 10 3/4" | 13 1/4" | 17"    | 10 3/4"                                     | 22"    |  |
| #11  | 12"     | 14 3/4" | 19"    | 12"   | 24"    |  |
| #14  | 18 1/4" | 21 3/4" | 27"    | 18 1/4"                                     | 31"    |  |
| #18  | 24"     | 28 1/2" | 36"    | 24"   | 41"    |  |



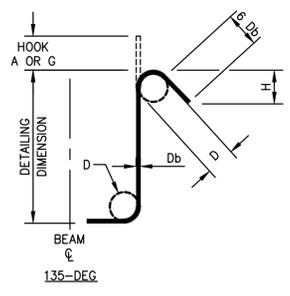
Db = (1) BAR DIAMETER  
 D = FINISHED INSIDE BEND DIA.  
 D = 6Db FOR #3-#8  
 D = 8Db FOR #9-#11  
 D = 10Db FOR #14 AND #18

REINFORCEMENT BENDS



STIRRUP HOOKS  
 (TIE BENDS SIMILAR)

| 90°  |        |        |         | 135°     |  |  |
|------|--------|--------|---------|----------|--|--|
| SIZE | D      | A OR G | A OR G  | ARROX. H |  |  |
| #3   | 1 1/2" | 4"     | 4"      | 2 1/2"   |  |  |
| #4   | 2"     | 4 1/2" | 4 1/2"  | 3"       |  |  |
| #5   | 2 1/2" | 6"     | 5 1/2"  | 3 3/4"   |  |  |
| #6   | 4 1/2" | 12"    | 8"      | 4 1/2"   |  |  |
| #7   | 5 1/4" | 14"    | 9"      | 5 1/4"   |  |  |
| #8   | 6"     | 16"    | 10 1/2" | 6"       |  |  |



SEISMIC STIRRUP/TIE

| 135° SEISMIC HOOK |        |         |          |  |
|-------------------|--------|---------|----------|--|
| SIZE              | D      | A OR G  | ARROX. H |  |
| #3                | 1 1/2" | 4"      | 2 1/2"   |  |
| #4                | 2"     | 4 1/2"  | 3"       |  |
| #5                | 2 1/2" | 5 1/2"  | 3 3/4"   |  |
| #6                | 4 1/2" | 8"      | 4 1/2"   |  |
| #7                | 5 1/4" | 9"      | 5 1/4"   |  |
| #8                | 6"     | 10 1/2" | 6"       |  |

| SPLICE LENGTH / Db      |      |      |      |      |      |
|-------------------------|------|------|------|------|------|
| CONCRETE STRENGTH (PSI) |      |      |      |      |      |
|                         | 2500 | 3000 | 3500 | 4000 | 5000 |
| #6 AND SMALLER          | 63   | 57   | 53   | 50   | 45   |
| #7-#11                  | 78   | 72   | 66   | 62   | 56   |

- NOTE
- SPLICES SHOWN ARE CLASS B SPLICE  
 $f_y=60\text{ksi}$   $f'_c=4\text{ksi}$ . SEE CHART FOR DIFFERENT CONCRETE STRENGTHS.
  - SPLICES ASSUME THE MODIFICATION FACTORS OF ACI 318 SECTION 12.2 ARE 1.0 FOR OTHER CONDITIONS PROVIDE SPLICE LENGTHS IN ACCORDANCE WITH ACI 318.
  - USE THE SPLICE LENGTH GIVEN FOR TOP BARS WHEN MORE THAN 12" OF CONCRETE IS CAST BELOW HORIZONTAL BARS IN THE MEMBER. USE THE SPLICE LENGTH GIVEN FOR BOTTOM BARS FOR ALL OTHER CONDITIONS

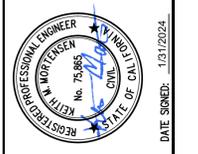
NOT TO SCALE

1  
D-11

REINFORCEMENT BENDS & SPLICES

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BID SET  
1/31/2024

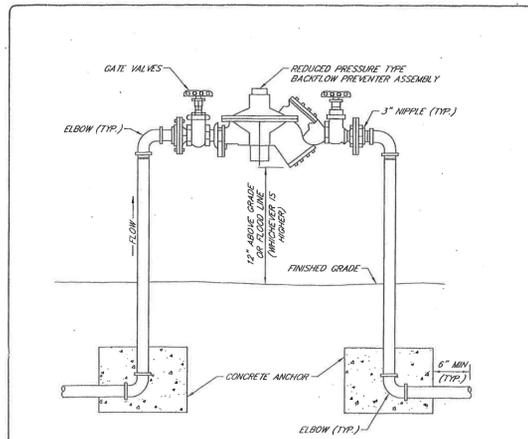


WELL 8 TCP MITIGATION PROJECT  
 CITY OF HUGHSON  
 HUGHSON, CA  
 DETAILS  
 MISC. DETAILS

EST. 1968  
**PROVOST & PRITCHARD**  
 CONSULTING GROUP  
 An Employee Owned Company  
 455 W. FERRIS AVENUE  
 CLOVIS, CALIFORNIA 93811  
 559.462.7000 FAX 559.469.2715  
 info@provostandpritchard.com

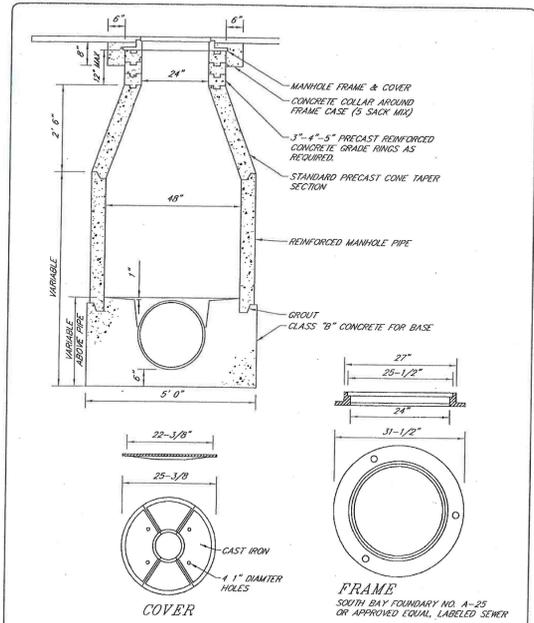
DESIGN ENGINEER:  
KMM  
 LICENSE NO:  
75865  
 DRAFTED BY: JJB  
 CHECKED BY: RKB  
 DATE: 1/31/2024  
 JOB NO: 265421001  
 PROJECT NO:  
 PHASE:  
 ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.  
 SHEET  
**D-11**  
 28 OF 35



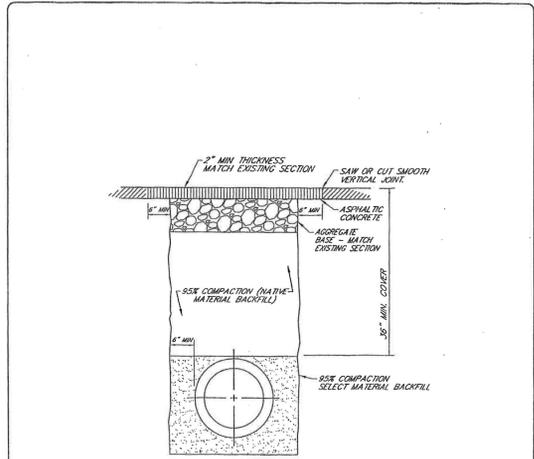


1. ALL PIPE FITTINGS SHALL BE SCHEDULE 40, GALVANIZED STEEL UNLESS OTHERWISE SPECIFIED.
2. CONCRETE SHALL BE 400-C-2000.
3. THE BACKFLOW PREVENTER DEVICES AND INSTALLATIONS SHALL BE APPROVED BY A.W.W.A. AND THE CITY.
4. VALVE ASSEMBLIES MAY HAVE SCREWED OR FLANGED FITTINGS.
5. COAT ALL EXPOSED THREADS WITH AN APPROVED RUST INHIBITING SEALANT.
6. APPROVED PLASTIC TAPE 1/2" WIDE SHALL BE USED ON ALL THREADED CONNECTIONS.
7. DISSIMILAR METALS SHALL BE SEPARATED BY AN APPROVED DI-ELECTRIC COUPLING.
8. PLASTIC PIPE SHALL NOT BE USED ABOVE FINISHED GRADE.

|  |                                  |   |
|--|----------------------------------|---|
|  | <b>BACKFLOW PREVENTER DEVICE</b> | DRAWN BY: A.D.R.<br>CHECKED BY: R.H.K.<br>SCALE: NONE<br>DATE: 1/24 |
|  |                                  | STANDARD DETAIL<br>5-W.7  |
| APPROVED BY:<br>DATE APPROVED: 1/24/24 | CITY OF HUGHSON                  |   |



|  |                               |   |
|--|-------------------------------|---|
|  | <b>SANITARY SEWER MANHOLE</b> | DRAWN BY: A.D.R.<br>CHECKED BY: R.H.K.<br>SCALE: NONE<br>DATE: 1/24 |
|  |                               | STANDARD DETAIL<br>6-SS.1   |
| APPROVED BY:<br>DATE APPROVED: 1/24/24 | CITY OF HUGHSON               |   |



|  |                                       |   |
|--|---------------------------------------|---|
|  | <b>BACKFILL AND STREET EXCAVATION</b> | DRAWN BY: A.D.R.<br>CHECKED BY: R.H.K.<br>SCALE: NONE<br>DATE: 1/24 |
|  |                                       | STANDARD DETAIL<br>6-SS.7   |
| APPROVED BY:<br>DATE APPROVED: 1/24/24 | CITY OF HUGHSON                       |   |

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**BID SET**  
 1/31/2024



WELL 8 TCP MITIGATION PROJECT  
 CITY OF HUGHSON  
 HUGHSON, CA  
 DETAILS  
**CITY DETAILS**

EST. 1968  
**PROVOST & PRITCHARD**  
 CONSULTING GROUP  
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 CLOVIS, CALIFORNIA 93811  
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DESIGN ENGINEER:  
 KMM  
 LICENSE NO:  
 75865  
 DRAFTED BY: JB  
 CHECKED BY: RKB  
 DATE: 1/31/2024  
 JOB NO: 265421001  
 PROJECT NO:  
 PHASE:

ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.  
 SHEET **D-13**  
 30 OF 35

**GENERAL ELECTRICAL LEGEND**

- CONCRETE PULL BOX - SIZE AS NOTED - LIDS AS NOTED 'P' POWER, 'S' SIGNAL, 'F' FIRE ALARM & 'D' DATA; '-T' DENOTES TRAFFIC LID
- CONDUIT - SURFACE MOUNTED OR ABOVE CEILING - EMT WITH COMPRESSION FITTING UNLESS NOTED ON PLANS
- CONDUIT - CONCEALED BELOW FLOOR IN EMT OR UNDERGROUND IN PVC SCH 40 WITH IMC ELBOWS
- HOMERUN TO PERSPECTIVE PANEL OR CABINET - BRANCH CIRCUIT WITH OUT FURTHER DESIGNATION IS A #12 WIRE CIRCUIT
- FLEX
- TERMINAL CABINET
- PANEL BOARD - SEE SCHEDULE
- MOTOR/EXHAUST FAN - N.I.E.S. - CONNECT AS REQUIRED
- DUPLEX RECEPTACLE +15" A.F.F. FROM BOTTOM OF BOX U.O.N.
- QUADPLEX RECEPTACLE +15" A.F.F. FROM BOTTOM OF BOX U.O.N.
- HALF SWITCHED DUPLEX RECEPTACLE +15" A.F.F. FROM BOTTOM OF BOX U.O.N.
- HALF SWITCHED QUADPLEX RECEPTACLE +15" A.F.F. FROM BOTTOM OF BOX U.O.N.
- FLOOR POWER RECEPTACLE - WALKER OR EQUAL
- 30A. -4 WIRE GROUND RECEPTACLE +15" A.F.F. FROM BOTTOM OF BOX U.O.N.
- GFCI DUPLEX RECEPTACLE +15" A.F.F. FROM BOTTOM OF BOX U.O.N.
- GFCI QUADPLEX RECEPTACLE +15" A.F.F. FROM BOTTOM OF BOX U.O.N.
- JUNCTION BOX -4 11/16" x 2 1/8" SQUARE OR SMALL
- JUNCTION BOX -LARGER THAN 4 11/16" x 2 1/8" SQUARE
- RECESSED FLOOR JUNCTION BOX - WIREMOLD RFB4 OR EQUAL
- RECESSED FLOOR JUNCTION BOX - WIREMOLD RFB6 OR EQUAL
- MOTOR RATED DISCONNECT SWITCH
- FUSED DISCONNECT SWITCH - SIZE AS NOTED - 30A. SHOWN
- FULL VOLTAGE STARTER - SIZE AS NOTED - SIZE 3 SHOWN
- COMBINATION STARTER - SIZE AS NOTED - SIZE 3 SHOWN
- PLUG LOAD ROOM CONTROLLER. WATTSTOPPER #LMLP-101 OR EQUAL

**ELECTRICAL COMPLIANCE NOTES**

THE INTENT OF THE DRAWINGS AND SPECIFICATION IS TO CONSTRUCT THE PROPOSED BUILDING IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. ALL WORK PERFORMED UNDER THIS CONTRACT SHALL CONFORM TO THE FOLLOWING CODES AND REGULATIONS AS APPLICABLE:

- 2019 CALIFORNIA ADMINISTRATIVE CODE (CAC)
- PART 1, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)
- 2019 CALIFORNIA BUILDING CODE (CBC)
- PART 2, TITLE 24, CCR
- BASED ON THE 2018 INTERNATIONAL BUILDING CODE (IBC)
- 2019 CALIFORNIA ELECTRICAL CODE (CEC)
- PART 3, TITLE 24, CCR
- BASED ON THE 2017 NATIONAL ELECTRICAL CODE (NEC)
- 2019 CALIFORNIA MECHANICAL CODE (CMC)
- PART 4, TITLE 24, CCR
- BASED ON THE 2018 UNIFORM MECHANICAL CODE (UMC)
- 2019 CALIFORNIA PLUMBING CODE (CPC)
- PART 5, TITLE 24, CCR
- BASED ON THE 2018 UNIFORM PLUMBING CODE (UPC)
- 2019 CALIFORNIA FIRE CODE (CFC)
- PART 9, TITLE 24, CCR
- BASED ON THE 2018 INTERNATIONAL FIRE CODE (IFC)
- 2019 NFPA 72, NATIONAL FIRE ALARM & SIGNALING CODE w/ CALIFORNIA AMENDMENTS.

UNLESS OTHERWISE STATED, IT IS INTENDED THAT THE ABOVE CODES AND REGULATIONS REFER TO THE LATEST EDITION OR REVISION IN EFFECT ON THE DATE OF THE CONTRACT. NOTHING ON THE DRAWING IS TO BE CONSTRUED AS REQUIRING OR PERMITTING WORK THAT IS CONTRARY TO THE ABOVE LISTED CODES AND REGULATIONS, OR OTHER LOCAL, STATE OR FEDERAL CODES OR REGULATIONS WHICH MAY BE APPLICABLE.

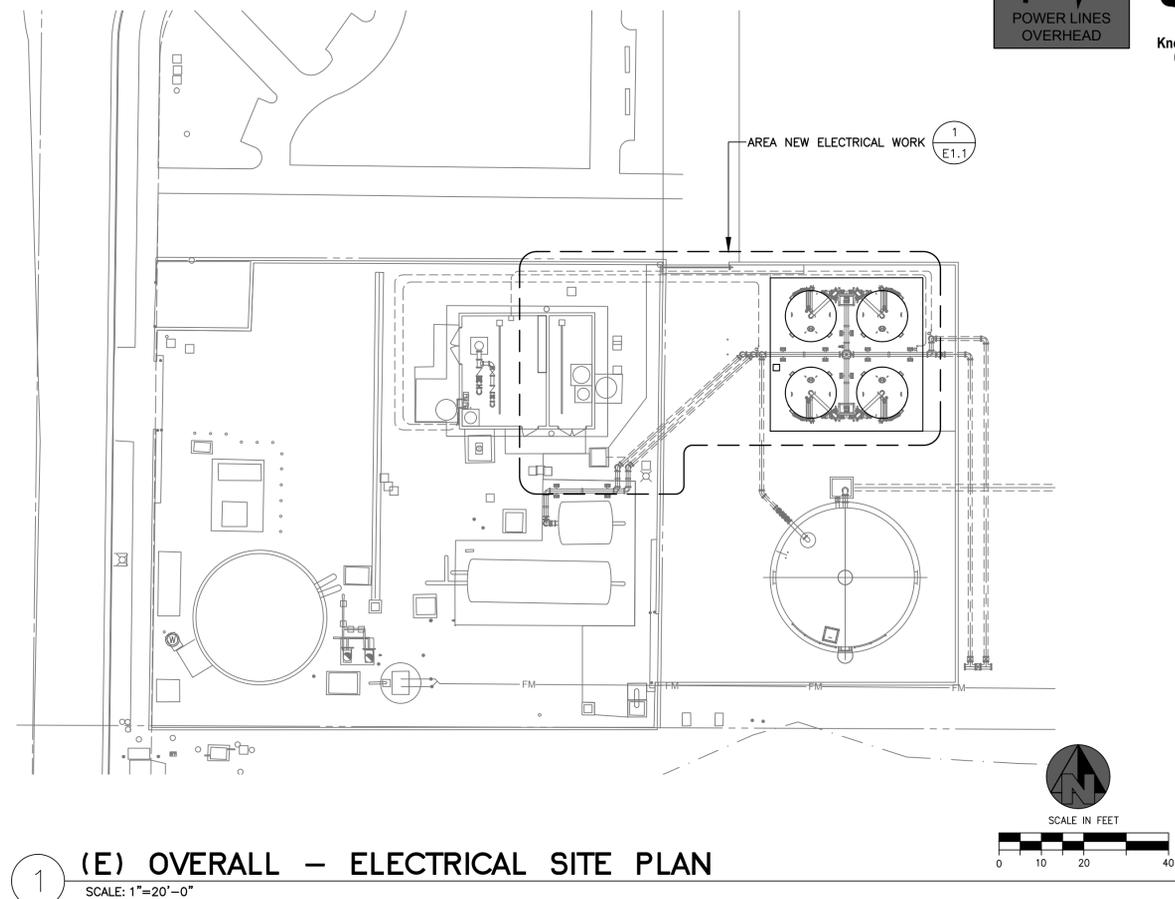
| LIGHTING FIXTURE SCHEDULE |        |                          |  |  |
|---------------------------|--------|--------------------------|--|--|
| DESIG.                    | SYMBOL | LAMP QTY/WATTS           | DESCRIPTION  | MANUFACTURER                             |
| A                         |        | 5900LM LED 59W EACH HEAD | RETROFIT (E) SINGLE HEAD POLE LIGHT w/(N) LED DOUBLE HEAD POLE LIGHT ON (E) POLE & BASE. | LEOTECK AR13 48W MV NW 3 DB 060 MSL3 RPA |

**GENERAL ELECTRICAL NOTES**

1. PROVIDE ALL LABOR, MATERIALS, TOOLS, PLANT EQUIPMENT, TRANSPORTATION AND ALL PERFORM ALL OPERATIONS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF ALL ELECTRICAL WORK REQUIRED FOR THE COMPLETE AND OPERATING SYSTEMS AS OUTLINED WITHIN THE SCOPE OF WORK.
2. UNDERWRITERS LABORATORIES, INC., SHALL MEET THEIR REQUIREMENTS AND SHALL BEAR THEIR LABEL WHEREVER STANDARDS HAVE BEEN ESTABLISHED AND LABEL SERVICE IS REGULARLY FURNISHED BY THAT AGENCY.
3. THE SIZE AND LOCATIONS OF EQUIPMENT ARE SHOWN TO SCALE WHEREVER POSSIBLE, CONTRACTOR SHALL MAKE USE OF ALL DATA IN ALL CONTRACT DOCUMENTS AND VERIFY THIS INFORMATION AT THE SITE.
4. CONDUCTORS SHALL BE COPPER CONDUCTORS TYPE AS NOTED ON CONSTRUCTION DOCUMENTS.
5. ALL REQUIRED CONDUITS SHALL BE PROVIDED BY E.C. LOW VOLTAGE WIRING SHALL BE BY MECHANICAL CONTRACTOR, LINE VOLTAGE (50 VOLTS OR MORE) SHALL BE BY ELECTRICAL CONTRACTOR.
6. ALL CONDUITS SHALL BE SUPPORTED AND BRACED PER OPM #OPM-0052-13, THE "B-LINE/TOLCO SEISMIC RESTRAINT COMPONENTS FOR SUSPENDED UTILITIES" FOR PIPES AND CONDUITS ONLY. LAYOUT DRAWINGS, SHOWING THE BRACING/SUPPORT LOCATIONS AND REFERENCES TO DETAILS FROM THE RELEVANT OSHPD PRE-APPROVALS FOR PIPING/DUCTS/CONDUITS EXCEPT FIRE SPRINKLERS, NEED TO BE SUBMITTED FOR USE BY THE IOR AND OSHPD STAFF. THE LAYOUT DRAWINGS NEED TO BE REVIEWED AND ACCEPTED BY THE AOR AND SEOR PRIOR TO STARTING INSTALLATION OF THE BRACING/SUPPORT. IOR SHALL ENSURE THE ABOVE REQUIREMENTS ARE SATISFIED.
7. DO NOT PENETRATE STRUCTURAL MEMBERS, INCLUDING BEAMS, COLUMNS, OR FOOTINGS, WITHOUT PRIOR WRITTEN CONSENT OF THE DISTRICT'S STRUCTURAL ENGINEER. SHOULD IT BECOME NECESSARY TO PENETRATE SUCH MEMBERS, NOTIFY THE DISTRICT IN WRITING WITHOUT DELAY, PRIOR TO PROCEEDING WITH CONSTRUCTION AROUND SUCH MEMBERS.
8. ALL ELECTRICAL WORK SHALL CONFORM WITH THE 2019 CALIF. ELECTRICAL CODE CALIFORNIA TITLE 17, 19 & 24 ALONG WITH N.F.P.A. STANDARDS AND THE STATE FIRE MARSHAL'S REQUIREMENTS.
9. ALL WORK TO BE IN ACCORDANCE WITH REQUIREMENTS OF STATE & GOVERNING LOCAL FIRE CODES AND BUILDING CODES.
10. WHERE EXISTING CONSTRUCTION IS CUT, DAMAGED, OR REMODELED, PATCH WITH MATERIALS TO MATCH IN KIND, QUALITY, AND PERFORMANCE.
11. WORK SHALL BE EXECUTED IN A CAREFUL AND ORDERLY MANNER WITH THE LEAST POSSIBLE DISTURBANCE TO PUBLIC AND TO OCCUPANTS OF EXISTING BUILDING.
12. CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR SAFETY OF ALL PERSONS ON OR ABOUT THE CONSTRUCTION SITE, IN ACCORDANCE WITH APPLICABLE LAWS AND CODES. GUARD ALL HAZARDS IN ACCORDANCE WITH THE SAFETY PROVISIONS OF THE LATEST MANUAL OF ACCIDENT PREVENTION PUBLISHED BY THE ASSOCIATED GENERAL CONTRACTORS OF AMERICA.
13. CLEAN ALL EXPOSED SURFACES AND NEW EQUIPMENT AFTER COMPLETION.
14. CONTRACTOR TO COORDINATE WITH OWNERS VENDORS (SUCH AS, BUT NOT LIMITED TO: SECURITY, PHONES, DATA, CLOSED CIRCUIT T.V., ETC.) AND ALLOW ACCESS TO THE CONSTRUCTION SITE.
15. ALL CONDUIT SHALL BE TYPE EMT UNLESS OTHERWISE NOTED. TYPE MC CABLE SHALL NOT BE USED UNLESS SPECIFICALLY NOTED ON THE CONSTRUCTION DOCUMENTS.
16. OPERATED DEVICES SUCH AS, BUT NOT LIMITED TO, TELE/DATA OUTLETS, RECEPTACLE OUTLETS AND LIGHT SWITCHES INSTALLED IN AREAS NOT RESTRICTED TO AUTHORIZED MAINTENANCE PERSONAL SHALL BE MOUNTED AT A MINIMUM OF +15" AFF., AS MEASURED FROM THE BOTTOM OF THE DEVICE OUTLET BOX, AND MAXIMUM OF +48" AFF., AS MEASURED FROM THE TOP OF THE DEVICE OUTLET BOX.
17. ALL CHANGE ORDER PROPOSALS AND CHANGE ORDERS, BOTH ADDITIVE AND DEDUCTIVE, SHALL BE BASED UPON AND BE ACCOMPANIED BY A DETAILED MATERIALS AND LABOR BREAKDOWN FOR EACH SPECIFIC TASK AND/OR ITEM. THE BREAKDOWN SHALL INCLUDE ACTUAL MATERIALS COSTS PLUS OVERHEAD AND PROFIT, AS WELL AS LABOR UNITS BASE UPON THE MOST RECENT NECA MANUAL OF LABOR UNITS (NECA INDEX #4090) OR EQUIVALENT PUBLICATION FOR EACH SPECIFIC TASK AND ITEM. LABOR COSTS SHALL BE COMPUTED AS OUTLINED WITHIN THE GENERAL CONDITIONS, BASED UPON THE NECA LABOR TABLES FOR EACH TASK REQUIRED. MATERIALS COSTS SHALL INCLUDE ACTUAL CONTRACTOR INVOICE PLUS NO MORE THAN 15% MARKUP. THE OWNER AND CONTRACTOR AGREE TO THE ABOVE CHANGE ORDER COST PROCEDURE, FOR BOTH ADDITIVE AND DEDUCTIVE CHANGE ORDERS.
18. ALL PERSONNEL WORKING WITH ENERGIZED EQUIPMENT WITHIN THE RESTRICTED ZONE PER NFPA-70E SHALL COMPLY WITH ALL NFPA-70E AND OSHA REQUIREMENTS AND BE ARC FLASH SAFETY CERTIFIED.

**ELECTRICAL ABBREVIATIONS**

|  |  |  |  |  |                                  |                                     |
|--|--|--|--|--|----------------------------------|-------------------------------------|
| <b>Δ</b> DELTA CONNECTED               | <b>CATV</b> CABLE TELEVISION               | <b>ENCL</b> ENCLOSURE                              | <b>IDF</b> INTERMEDIATE DISTRIBUTION FRAME | <b>MIN</b> MINIMUM   | <b>PS</b> PRESSURE SWITCH        | <b>TH</b> THERMOSTAT                |
| <b>Y</b> WYE CONNECTED                 | <b>CKT</b> CIRCUIT                         | <b>EP</b> EXPLOSION PROOF                          | <b>INCAN</b> INCANDESCENT                  | <b>MPOE</b> MAIN POINT OF ENTRY                                  | <b>PWR</b> POWER                 | <b>TRANSF</b> TRANSFORMER           |
| <b>Ø</b> PHASE                         | <b>CLG</b> CEILING                         | <b>EQUIP</b> EQUIPMENT                             | <b>IDC</b> INITIATING DEVICE CIRCUIT       | <b>MSB</b> MAIN SWITCHBOARD                                      | <b>(R)</b> REMOVE(D)             | <b>TYP</b> TYPICAL                  |
| <b>&amp;</b> AND                       | <b>CO</b> CONDUIT ONLY                     | <b>ETC</b> ET CETERA                               | <b>IN</b> INCHES                           | <b>N</b> NEUTRAL   | <b>RA</b> REMOTE ANNUNCIATOR     | <b>TSP</b> TWISTED SHIELDED PAIR    |
| <b>⊙</b> AT                            | <b>COMM</b> COMMUNICATION                  | <b>EVAP</b> EVAPORATOR                             | <b>INST</b> INSTANTANEOUS                  | <b>(N)</b> NEW   | <b>RD</b> ROAD                   | <b>THRU</b> THROUGH                 |
| <b>'</b> FEET                          | <b>CONC</b> CONCRETE                       | <b>(F)</b> FUTURE                                  | <b>J</b> JUNCTION BOX                      | <b>NA</b> NON-AUTOMATIC  | <b>REQD</b> REQUIRED             | <b>UG</b> UNDERGROUND               |
| <b>"</b> INCHES                        | <b>CONN</b> CONNECT                        | <b>FA</b> FIRE ALARM                               | <b>KV</b> KILOVOLTS                        | <b>NAC</b> NOTIFICATION APPLIANCE CIRCUIT                        | <b>REQMTS</b> REQUIREMENTS       | <b>UNO</b> UNLESS NOTED OTHERWISE   |
| <b>A</b> AMPERES                       | <b>CONT</b> CONTINUATION OR CONTINUED      | <b>FACP</b> FIRE ALARM CONTROL PANEL               | <b>KVA</b> KILOVOLT AMPERES                | <b>NC</b> NORMALLY CLOSED  | <b>RGP</b> REDUNDANT GROUND PATH | <b>V</b> VOLTS                      |
| <b>AC</b> ALTERNATING CURRENT          | <b>COORD</b> COORDINATE                    | <b>FAT</b> FIRE ALARM TERMINAL CABINET             | <b>KW</b> KILOWATTS                        | <b>NIES</b> NOT IN ELECTRICAL SECTION                            | <b>RM</b> ROOM                   | <b>VA</b> VOLT AMPS                 |
| <b>ACT</b> ABOVE COUNTERTOP/BACKSPLASH | <b>CR</b> CONTROL RELAY                    | <b>FIXT</b> FIXTURE                                | <b>L</b> LINE                              | <b>NIC</b> NOT IN ELECTRICAL CODE                                | <b>RECP</b> RECEPTACLE           | <b>VFD</b> VARIABLE FREQUENCY DRIVE |
| <b>ADJ</b> ADJACENT, ADJOINING         | <b>CT</b> CURRENT TRANSFORMER              | <b>FLA</b> FULL LOAD AMPS                          | <b>LB</b> ELBOW                            | <b>NO.</b> # NUMBER  | <b>RT</b> RAIN TIGHT             | <b>VM</b> VOLT METER                |
| <b>AFD</b> ADJUSTABLE FREQUENCY DRIVE  | <b>COMP</b> COMPRESSOR                     | <b>FLEX</b> FLEXIBLE                               | <b>LF</b> LINEAR FEET                      | <b>NO</b> NORMALLY OPEN  | <b>SCH</b> SCHEDULE              | <b>W</b> WIRE                       |
| <b>AFF</b> ABOVE FINISHED FLOOR        | <b>CU</b> COPPER                           | <b>FLUOR</b> FLUORESCENT                           | <b>LOS</b> LOCK-OFF-STOP                   | <b>NL</b> NIGHT LIGHT  | <b>SEC</b> SECONDS, SECONDARY    | <b>W/</b> WITH                      |
| <b>AL</b> ALUMINUM                     | <b>DC</b> DIRECT CURRENT                   | <b>FS</b> FLOW SWITCH                              | <b>LOH</b> LOCK-OFF-HALT                   | <b>OC</b> ON CENTER  | <b>SHT</b> SHEET                 | <b>W/O</b> WITHOUT                  |
| <b>APPROX</b> APPROXIMATE              | <b>DET</b> DETAIL                          | <b>FOR</b> FORWARD-OFF-REVERSE                     | <b>LV</b> LOW VOLTAGE                      | <b>OH</b> OVERHEAD   | <b>SIG</b> SIGNAL                | <b>WP</b> WEATHERPROOF              |
| <b>ARCH</b> ARCHITECT                  | <b>DISC</b> DISCONNECT                     | <b>FT</b> FEET                                     |  | <b>OL</b> THERMAL OVERLOAD RELAY                                 | <b>SPECS</b> SPECIFICATIONS      | <b>WHD</b> WATT HOUR DEMAND METER   |
| <b>AUTO</b> AUTOMATIC                  | <b>DIST</b> DISTRIBUTION                   | <b>GALV</b> GALVANIZED                             | <b>M</b> MOTOR                             | <b>OT</b> OVER TEMPERATURE                                       | <b>SW</b> SWITCH                 | <b>WM</b> WATT METER                |
| <b>AUX</b> AUXILIARY                   | <b>DSA</b> DIVISION OF THE STATE ARCHITECT | <b>GND</b> GROUND                                  | <b>MAX</b> MAXIMUM                         | <b>OSHDP</b> OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT | <b>SWD</b> SWITCHED              | <b>WH</b> WATER HEATER              |
| <b>ALT</b> ALTERNATE                   | <b>DWG</b> DRAWING                         | <b>GC</b> GENERAL CONTRACTOR                       | <b>MCA</b> MINIMUM CIRCUIT AMPS            | <b>PA</b> PUBLIC ADDRESS   | <b>SP</b> SPARE                  | <b>XFMR</b> TRANSFORMER             |
| <b>AWG</b> AMERICAN WIRE GAUGE         | <b>(E), EXIST</b> EXISTING                 | <b>HI</b> HIGH                                     | <b>MCC</b> MOTOR CONTROL CENTER            | <b>PB</b> PULL BOX   | <b>STD</b> STANDARD              | <b>(XR)</b> REMOVE AND RELOCATE(D)  |
| <b>B</b> BARE                          | <b>EC</b> ELECTRICAL CONTRACTOR            | <b>HOA</b> HAND-OFF-AUTO                           | <b>MCM</b> THOUSAND CIRCULAR MILLS         | <b>PNL</b> PANEL   | <b>STR</b> STRANDED              |                                     |
| <b>BC</b> BARE COPPER GROUND           | <b>EL, ELEV</b> ELEVATION                  | <b>HOS</b> HAND-OFF-STANDBY                        | <b>MCP</b> MOTOR CIRCUIT PROTECTOR         | <b>PH</b> PHASE  | <b>SWBD</b> SWITCHBOARD          |                                     |
| <b>BKBD</b> BACKBOARD                  | <b>EL</b> EMERGENCY LIGHT                  | <b>HV</b> HIGH VOLTAGE                             | <b>MDF</b> MAIN DISTRIBUTION FRAME         | <b>PR</b> PAIR   |                                  |                                     |
| <b>BRKR</b> BREAKER                    | <b>ELECT</b> ELECTRICAL                    | <b>HVAC</b> HEATING, VENTILATION, AIR CONDITIONING | <b>MECH</b> MECHANICAL                     | <b>PRI</b> PRIMARY   | <b>TELE</b> TELEPHONE            |                                     |
| <b>BLDG</b> BUILDING                   | <b>EMS</b> ENERGY MANAGEMENT SYSTEM        |  | <b>MFG</b> MANUFACTURER                    | <b>TEMP</b> TEMPERATURE  | <b>TOA</b> TEST OFF AUTOMATIC    |                                     |
| <b>C</b> CONDUIT OR CONTRACTOR         | <b>EMT</b> ELECTRICAL METALLIC TUBING      |  |  |  |                                  |                                     |
| <b>CAB</b> CABINET                     | <b>EOL</b> END OF LINE                     |  |  |  |                                  |                                     |



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| BID SET   | DATE |
| 1/31/2024 |      |
| REVISION  | BY   |
|           |      |
| NO.       | DATE |
|           |      |



WELL 8 TCP MITIGATION PROJECT  
CITY OF HUGHSON  
HUGHSON, CA  
ELECTRICAL  
LEGEND, ABBREVIATIONS, GENERAL COMPLIANCE NOTES  
AND OVERALL ELECTRICAL SITE PLAN

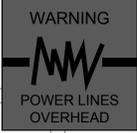
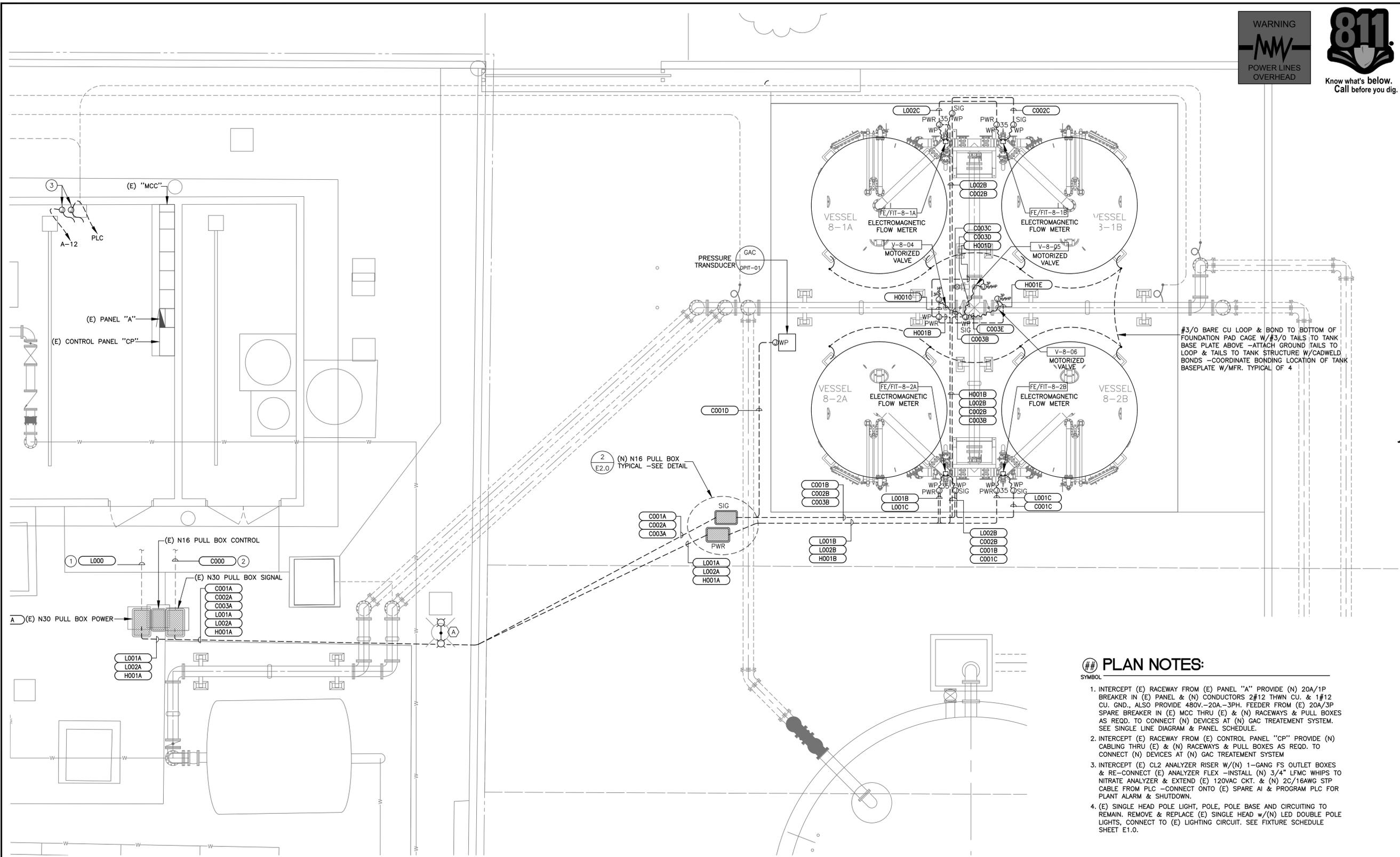
EST. 1988  
**PROVOST & PRITCHARD**  
CONSULTING ELECTRICAL ENGINEERS  
All Employees are Licensed California Professional Engineers  
2000 WEST COLUMBIA AVENUE  
FRESNO, CALIFORNIA 93711-6162  
559/449-2700 FAX 559/449-2715  
www.peeng.com

DESIGN ENGINEER:  
KLP  
LICENSE NO.: 16269  
DRAFTED BY: FR  
CHECKED BY: KLP  
DATE: 1/31/2024  
JOB NO: 21-675

PHASE: -  
0 1"  
ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.  
SHEET **E1.0**  
31 OF 35



02/05/24 10:18:26 AM F:\21\675 HUGHSON TCP PROJECT\ENGR\SHEETS\E1.1 ELECTRICAL PLANDWG frangel



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WELL 8 TCP MITIGATION PROJECT  
CITY OF HUGHSON  
HUGHSON, CA  
ELECTRICAL  
ELECTRICAL PLAN

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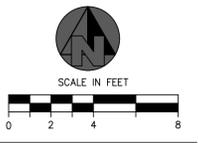
DESIGN ENGINEER:  
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0 1"  
ORIGINAL SCALE SHOWN IS  
ONE INCH. ADJUST SCALE FOR  
REDUCED OR ENLARGED PLANS.

SHEET  
**E1.1**  
32 OF 35

**PLAN NOTES:**

- INTERCEPT (E) RACEWAY FROM (E) PANEL "A" PROVIDE (N) 20A/1P BREAKER IN (E) PANEL & (N) CONDUCTORS 2#12 THWN CU. & 1#12 CU. GND., ALSO PROVIDE 480V.-20A.-3PH. FEEDER FROM (E) 20A/3P SPARE BREAKER IN (E) MCC THRU (E) & (N) RACEWAYS & PULL BOXES AS REQD. TO CONNECT (N) DEVICES AT (N) GAC TREATMENT SYSTEM. SEE SINGLE LINE DIAGRAM & PANEL SCHEDULE.
- INTERCEPT (E) RACEWAY FROM (E) CONTROL PANEL "CP" PROVIDE (N) CABLING THRU (E) & (N) RACEWAYS & PULL BOXES AS REQD. TO CONNECT (N) DEVICES AT (N) GAC TREATMENT SYSTEM
- INTERCEPT (E) CL2 ANALYZER RISER W/(N) 1-GANG FS OUTLET BOXES & RE-CONNECT (E) ANALYZER FLEX -INSTALL (N) 3/4" LFMC WHIPS TO NITRATE ANALYZER & EXTEND (E) 120VAC CKT. & (N) 2C/16AWG STP CABLE FROM PLC -CONNECT ONTO (E) SPARE AI & PROGRAM PLC FOR PLANT ALARM & SHUTDOWN.
- (E) SINGLE HEAD POLE LIGHT, POLE, POLE BASE AND CIRCUITING TO REMAIN. REMOVE & REPLACE (E) SINGLE HEAD w/(N) LED DOUBLE POLE LIGHTS, CONNECT TO (E) LIGHTING CIRCUIT. SEE FIXTURE SCHEDULE SHEET E1.0.



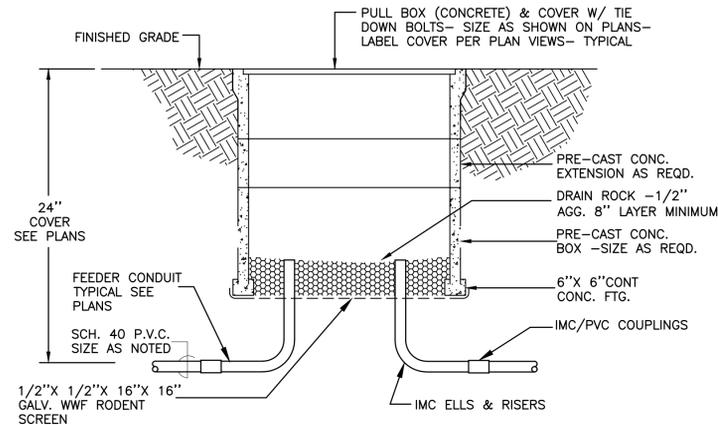
**1 PARTIAL EXISTING SITE - ELECTRICAL PLAN**  
SCALE: 1/4"=1'-0"

02/05/24 10:18:29 AM F:\21\675 HUGHSON TCP PROJECT\ENGR\SHEETS\E2.0 ELECT DET.DWG frongel

CONDUIT & CABLE SCHEDULE

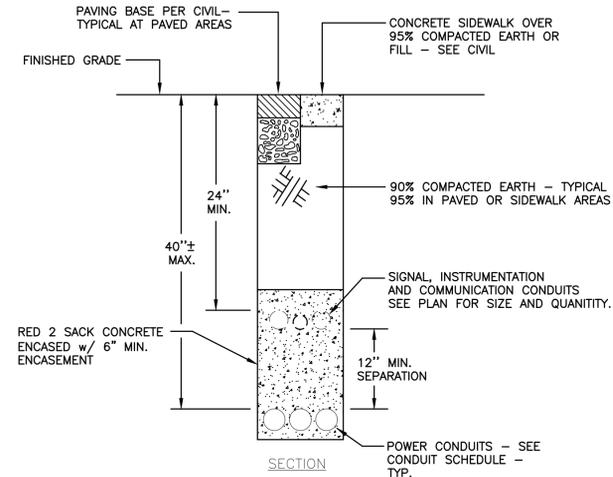
| CONDUIT ID# | FROM                                | TO  | QNTY | SIZE | TYPE | QNTY | SIZE      | GND | QNTY | TYPE | NOTES  |
|-------------|-------------------------------------|---|------|------|------|------|-----------|-----|------|------|--|
| L 000       | (E) PANEL<br>AND (E) MCC            | (E) N30 PULL BOX                          | 1    | (E)  | (E)  | 2    | #12       | #12 |      |      | FROM (E) PANEL "A" CKT. 35 THRU (E) RACEWAY<br>FROM (E) SPARE 20A/3P BREAKER IN (E) MCC THRU (E) 1" FROM (E) PANEL A |
| L 001 A     | (E) N30 PULL BOX                    | (N) N16 PULL BOX                          | 1    | 1"   | CRMC | 2    | #12       | #12 |      |      | [1][2][3] PANEL "A" CKT.35   |
| L 001 B     | (N) N16 PULL BOX                    | (N) J BOX @ GAC FIT/FE-8-2A               | 1    | 3/4" | CRMC | 2    | #12       | #12 |      |      | [1][2][3] PANEL "A" CKT.35   |
| L 001 C     | J BOX @ GAC FIT/FE-8-2A             | (N) J BOX @ GAC FIT/FE-8-2B               | 1    | 3/4" | CRMC | 2    | #12       | #12 |      |      | [1][2][3] PANEL "A" CKT.35   |
| L 002 A     | (E) N30 PULL BOX                    | (N) N16 PULL BOX                          | 1    | 3/4" | CRMC | 2    | #12       | #12 |      |      | [1][2][3] PANEL "A" CKT.35   |
| L 002 B     | (N) N16 PULL BOX                    | (N) J BOX @ GAC FIT/FE-8-1A               | 1    | 3/4" | CRMC | 2    | #12       | #12 |      |      | [1][2][3] PANEL "A" CKT.35   |
| L 002 C     | J BOX @ GAC FIT/FE-8-1A             | (N) J BOX @ GAC FIT/FE-8-1B               | 1    | 3/4" | CRMC | 2    | #12       | #12 |      |      | [1][2][3] PANEL "A" CKT.35   |
| H 001 A     | (E) N30 PULL BOX                    | (N) N16 PULL BOX                          | 1    | 3/4" | CRMC | 3    | #12       | #12 |      |      | FROM (E) SPARE 20A/3P BREAKER IN (E) MCC   |
| H 001 B     | (N) N16 PULL BOX                    | (N) POWER J BOX @ MOTORIZED VALVES        | 1    | 3/4" | CRMC | 3    | #12       | #12 |      |      |  |
| H 001 C     | (N) POWER J BOX @ MOTORIZED VALVES  | (N) POWER J BOX @ V-8-04 MOTORIZED VALVE  | 1    | 3/4" | CRMC | 3    | #12       | #12 |      |      | [2][3] CONNECT (N) 3-POLE MOTOR RATED SWITCH @ MOTORIZED VALVE   |
| H 001 D     | (N) POWER J BOX @ MOTORIZED VALVES  | (N) POWER J BOX @ V-8-05 MOTORIZED VALVE  | 1    | 3/4" | CRMC | 3    | #12       | #12 |      |      | [2][3] CONNECT (N) 3-POLE MOTOR RATED SWITCH @ MOTORIZED VALVE   |
| H 001 E     | (N) POWER J BOX @ MOTORIZED VALVES  | (N) POWER J BOX @ V-8-06 MOTORIZED VALVE  | 1    | 3/4" | CRMC | 3    | #12       | #12 |      |      | [2][3] CONNECT (N) 3-POLE MOTOR RATED SWITCH @ MOTORIZED VALVE   |
| C 000       | (E) PANEL "CP"                      | (E) N16 PULL BOX                          | 1    | (E)  | (E)  | 5    | 2c/16 STP |     |      |      | [1][2][3](E) SPARE RACEWAY FROM (E) "CP"   |
| C 001 A     | (E) N30 PULL BOX                    | (N) N16 PULL BOX                          | 1    | 1"   | CRMC | 3    | 2c/16 STP |     |      |      | [1][2][3](N) CABLE THRU (E) & (N) RACEWAY FROM (E) "CP"  |
| C 001 B     | (N) N16 PULL BOX                    | (N) J BOX @ GAC FIT/FE-8-2A               | 1    | 1"   | CRMC | 2    | 2c/16 STP |     |      |      | [1][2][3](N) CABLE THRU (E) & (N) RACEWAY FROM (E) "CP"  |
| C 001 C     | J BOX @ GAC FIT/FE-8-2A             | (N) J BOX @ GAC FIT/FE-8-2B               | 1    | 1"   | CRMC | 1    | 2c/16 STP |     |      |      | [1][2][3](N) CABLE THRU (E) & (N) RACEWAY FROM (E) "CP"  |
| C 001 D     | (N) N16 PULL BOX                    | (N) J BOX @ GAC PDIT-01                   | 1    | 1"   | CRMC | 1    | 2c/16 STP |     |      |      | [1][2][3](N) CABLE THRU (E) & (N) RACEWAY FROM (E) "CP"  |
| C 002 A     | (E) N30 PULL BOX                    | (N) N16 PULL BOX                          | 1    | 1"   | CRMC | 2    | 2c/16 STP |     |      |      | [1][2][3](N) CABLE THRU (E) & (N) RACEWAY FROM (E) "CP"  |
| C 002 B     | (N) N16 PULL BOX                    | (N) J BOX @ GAC FIT/FE-8-1A               | 1    | 1"   | CRMC | 2    | 2c/16 STP |     |      |      | [1][2][3](N) CABLE THRU (E) & (N) RACEWAY FROM (E) "CP"  |
| C 002 C     | J BOX @ GAC FIT/FE-8-1A             | (N) J BOX @ GAC FIT/FE-8-1B               | 1    | 1"   | CRMC | 1    | 2c/16 STP |     |      |      | [1][2][3](N) CABLE THRU (E) & (N) RACEWAY FROM (E) "CP"  |
| C 003 A     | (E) N30 PULL BOX                    | (N) N16 PULL BOX                          | 1    | 1"   | CRMC | 30   | #14       | #14 |      |      | [2]  |
| C 003 B     | (N) N16 PULL BOX                    | (N) SIGNAL J BOX @ MOTORIZED VALVES       | 1    | 1"   | CRMC | 30   | #14       | #14 |      |      | [2]  |
| C 003 C     | (N) SIGNAL J BOX @ MOTORIZED VALVES | (N) SIGNAL J BOX @ V-8-04 MOTORIZED VALVE | 1    | 3/4" | CRMC | 10   | #14       | #14 |      |      | [3]  |
| C 003 D     | (N) SIGNAL J BOX @ MOTORIZED VALVES | (N) SIGNAL J BOX @ V-8-05 MOTORIZED VALVE | 1    | 3/4" | CRMC | 10   | #14       | #14 |      |      | [3]  |
| C 003 E     | (N) SIGNAL J BOX @ MOTORIZED VALVES | (N) SIGNAL J BOX @ V-8-06 MOTORIZED VALVE | 1    | 3/4" | CRMC | 10   | #14       | #14 |      |      | [3]  |

- NOTES:  
 [1] = PROVIDE CONDUCTOR/CABLES IN ALL CONDUITS  
 [2] = CONDUIT BELOW GRADE MAY BE PVC SCH40  
 [3] = PROVIDE LFMC CONNECTION W/SS FITTINGS  
 [4] = STUB & CAP +6" AFF



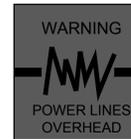
- NOTES:  
 1 TRAFFIC RATED CHRISTY "B" SERIES OR EQUAL MINIMUM BOX SIZE PER PLANS.  
 2 ADD EXTENSIONS WHERE NECESSARY TO RAISE COVER TO FINISHED GRADE.  
 3 GROUND COVER FRAME, COVER AND OTHER EXPOSED METAL PARTS TO #8 BARE COPPER GROUND CABLE

2 PULL BOX DETAIL  
SCALE: N.T.S.



- NOTES:  
 1 PLACE CONDUIT RUNS OF 4 CONDUITS OR GREATER IN PLASTIC SPACERS (RATED FOR DIRECT BURIAL) EVERY 5" ALONG LENGTH OF RUN.  
 2 PROVIDE 1/2" OR 2X TRADE DIAMETER OF CONDUIT, WHICHEVER IS GREATER, BETWEEN BUNDLED CONDUITS.

1 ENCASED CONDUIT DETAIL  
SCALE: N.T.S.



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WELL 8 TCP MITIGATION PROJECT  
CITY OF HUGHSON  
HUGHSON, CA  
ELECTRICAL  
CONDUIT & CABLE SCHEDULE

EST. 1985  
**PROVOST & PITCHARD**  
 CONSULTING GROUP  
 An Employee Owned Company  
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DESIGN ENGINEER:  
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 DRAFTED BY: FR  
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PHASE: -  
 ORIGINAL SCALE SHOWN IS  
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SHEET  
E2.0

33 OF 35

**PEZZONI ENGINEERING, INC.**  
 CONSULTING ELECTRICAL ENGINEERS  
 1150 9<sup>th</sup> Street, Suite #1455 Modesto, CA 95354  
 PHONE: 209-554-4400  
 HTTP://WWW.PEZZENGR.COM

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|                          |  | LOCAL-OFF-REMOTE (LOR) | STOP (SP) | START (ST) | HAND-OFF-AUTO (HOA) | OFF-ON (OO) | SELECT (SEL) | OPEN-STOP-CLOSE (OSC) | JOG PEN-HOLD-CLOSE (JHC) | SEMI-AUTO-MANUAL (SAM) | LEAD-STANDBY (LS) | JOG OPEN-JOG CLOSE (OGC) | ONLINE-OFFLINE (OOL) | AUTO-MANUAL (AM) | FIXED RATE-LEVEL RATE (FLR) | OPEN-CLOSE (OC) | LOW-HIGH (LH) | RESET (RST) | SPEED (SPD) | START-STOP (SS) | (EST) EMERGENCY STOP | BYPASS (BYP) | LEAD-LAG-STANDBY (LLS) | READY (RDY) | POSITION (POS) |
|--------------------------|--|------------------------|-----------|------------|---------------------|-------------|--------------|-----------------------|--------------------------|------------------------|-------------------|--------------------------|----------------------|------------------|-----------------------------|-----------------|---------------|-------------|-------------|-----------------|----------------------|--------------|------------------------|-------------|----------------|
| HAND SWITCH/PILOT DEVICE |  | HSLOR                  | HSSP      | HSST       | HSHOA               | HOO         | HSEL         | HSOSC                 | HSJHC                    | HSSAM                  | HLS               | HSJOJC                   | HSOOL                | HSAM             | HSFLR                       | HSOC            | HSLH          | HSRST       | HSSPD       | HSSS            | HSEST                | HSBYP        | HSLLS                  | HSRDY       | HSPOS          |
| SCADA/HMI ACTION TAG     |  | HALOR                  | HASP      | HAST       | HAHOA               | HAOO        | HASEL        | HAOSC                 | HAJHC                    | HASAM                  | HALS              | HAJOJC                   | HAOOL                | HAAM             | HAFLR                       | HAOC            | HALH          | HARST       | HASPD       | HASS            | HAEST                | HABYP        | HALLS                  | HARDY       | HAPOS          |



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|    |                          | ELEMENT | TRANSMITTER | TRANSMITTER INDICATING | INDICATOR | RECORDER | CONTROLLER | CONTROLLER INDICATING | CONTROLLER RECORDING | SWITCH | SWITCH LOW-LOW | SWITCH LOW | SWITCH HIGH | SWITCH HIGH-HIGH | SWITCH HIGH-LOW | ALARM LOW-LOW | ALARM LOW | ALARM HIGH | ALARM HIGH-HIGH | VALVE | GAUGE | LIGHT |  |
|----|--------------------------|---------|-------------|------------------------|-----------|----------|------------|-----------------------|----------------------|--------|----------------|------------|-------------|------------------|-----------------|---------------|-----------|------------|-----------------|-------|-------|-------|--|
| A  | ANALYSIS                 | AE      | AT          | AIT                    | AI        | AR       | AC         | AIC                   | ARC                  | AS     | ASLL           | ASL        | ASH         | ASHH             | ASHL            | AALL          | AAL       | AAH        | AAHH            |       |       | AL    |  |
| B  | BURNER, COMBUST.         | BE      | BT          | BIT                    | BI        | BR       | BC         | BIC                   | BRC                  | BS     | BSLL           | BSL        | BSH         | BSHH             | BSHL            | BALL          | BAL       | BAH        | BAHH            |       |       | BL    |  |
| C  | CONDUCTIVITY             | CE      | CT          | CIT                    | CI        | CR       | CC         | CIC                   | CRC                  | CS     | CSLL           | CSL        | CSH         | CSHH             | CSHL            | CALL          | CAL       | CAH        | CAHH            |       |       | CL    |  |
| D  | DENSITY                  | DE      | DT          | DIT                    | DI        | DR       | DC         | DIC                   | DRC                  | DS     | DSLL           | DSL        | DSH         | DSHH             | DSHL            | DALL          | DAL       | DAH        | DAHH            |       |       | DL    |  |
| F  | FLOW                     | FE      | FT          | FIT                    | FI        | FR       | FC         | FIC                   | FRC                  | FS     | FSLL           | FSL        | FSH         | FSHH             | FSHL            | FALL          | FAL       | FAH        | FAHH            | FCV   | FG    | FL    |  |
| FF | FLOW RATIO               |         |             |                        | FFI       |          |            | FFC                   | FFIC                 |        |                | FFS        |             |                  |                 |               |           |            |                 |       |       | FFL   |  |
| G  | GAUGE, DIMENSION         |         |             |                        |           |          |            |                       |                      |        |                |            |             |                  |                 |               |           |            |                 |       |       |       |  |
| I  | CURRENT                  |         | IT          | IIT                    | II        | IR       | IC         | IIC                   | IRC                  | IS     | ISLL           | ISL        | ISH         | ISHH             |                 | IALL          | IAL       | IAH        | IAHH            |       |       | IL    |  |
| P  | POWER                    |         |             |                        |           |          |            |                       |                      |        |                |            |             |                  |                 |               |           |            |                 |       |       |       |  |
| K  | TIME                     |         |             |                        | KI        | KR       | KC         | KIC                   | KRC                  | KS     | KSLL           | KSL        | KSH         | KSHH             |                 | KALL          | KAL       | KAH        | KAHH            | KCV   |       | KL    |  |
| L  | LEVEL                    | LE      | LT          | LIT                    | LI        | LR       | LC         | LIC                   | LRC                  | LS     | LSLL           | LSL        | LSH         | LSHH             |                 | LALL          | LAL       | LAH        | LAHH            | LCV   | LG    | LL    |  |
| M  | MOISTURE, HUMIDITY       | ME      | MT          | MIT                    | MI        | MR       | MC         | MIC                   | MRC                  | MS     | MSLL           | MSL        | MSH         | MSHH             |                 | MALL          | MAL       | MAH        | MAHH            |       |       | ML    |  |
| N  | EMERG. SHUTDOWN          |         |             |                        |           |          |            |                       |                      |        |                |            |             |                  |                 |               |           |            |                 |       |       |       |  |
| P  | PRESSURE                 | PE      | PT          | PIT                    | PI        | PR       | PC         | PIC                   | PRC                  | PS     | PSLL           | PSL        | PSH         | PSHH             | PSHL            | PALL          | PAL       | PAH        | PAHH            | PCV   |       | PL    |  |
| PD | PRESSURE DIFFERENTIAL    |         |             |                        | PDI       | PDR      | PDC        | PDIC                  | PDRC                 | PDS    | PDSLL          | PDSL       | PDSH        | PDSHH            |                 | PDALL         | PDAL      | PDAH       | PDAHH           | PDCV  |       | PDL   |  |
| Q  | QUANTITY                 | QE      | QT          | QIT                    | QI        | QR       |            |                       |                      | QS     | QSLL           | QSL        | QSH         | QSHH             |                 | QALL          | QAL       | QAH        | QAHH            |       |       |       |  |
| R  | RADIATION                |         |             |                        |           |          |            |                       |                      |        |                |            |             |                  |                 |               |           |            |                 |       |       |       |  |
| S  | SPEED                    | SE      | ST          | SIT                    | SI        | SR       | SC         | SIC                   | SRC                  | SS     | SSLL           | SSL        | SSH         | SSHH             |                 | SALL          | SAL       | SAH        | SAHH            |       |       |       |  |
| T  | TEMPERATURE              | TE      | TT          | TIT                    | TI        | TR       | TC         | TIC                   | TRC                  | TS     | TSLL           | TSL        | TSH         | TSHH             | TSHL            | TALL          | TAL       | TAH        | TAHH            | TCV   |       | TL    |  |
| TD | TEMPERATURE DIFFERENTIAL |         | TDI         | TDIT                   | TDI       | TDR      | TDC        | TDIC                  | TDRC                 | TDS    | TDSLL          | TDSL       | TDSH        | TDSHH            |                 | TDALL         | TDAL      | TDAH       | TDAHH           | TDCV  |       | TDL   |  |
| U  | MULTI-VARIABLE           |         | UI          | UII                    | UI        | UR       | UC         | UIC                   | URC                  | US     |                |            |             |                  |                 |               |           |            |                 |       |       | UL    |  |
| V  | VISCOSITY                | VE      | VT          | VIT                    | VI        | VR       | VC         | VIC                   | VRC                  | VS     | VSLL           | VSL        | VSH         | VSHH             |                 | VALL          | VAL       | VAH        | VAHH            |       |       | VL    |  |
| W  | WEIGHT                   | WE      | WT          | WIT                    | WI        | WR       |            | WS                    | WSL                  | WSH    | WSLL           | WSL        | WSH         | WSHH             |                 | WALL          | WAL       | WAH        | WAHH            |       |       | WL    |  |
| U  | UNCLASSIFIED             | XE      | XT          | XIT                    | XI        | XR       | XC         | XIC                   | XRC                  | XS     | XSLL           | XSL        | XSH         | XSHH             |                 | XALL          | XAL       | XAH        | XAHH            | XCV   | XG    | XL    |  |
| XV | VIBRATION                | XVE     | XVT         |                        | XVI       | XVR      |            |                       |                      | XVS    |                |            | XVSH        | XVSHH            |                 |               |           | XVAH       | XVAHH           |       |       | XVL   |  |
| Y  | STATUS                   |         |             |                        | YI        |          |            |                       |                      |        |                |            |             |                  |                 |               |           |            |                 |       |       | YL    |  |
| Z  | POSITION                 | ZE      | ZT          | ZIT                    | ZI        |          |            |                       |                      | ZS     |                |            |             |                  |                 |               |           |            |                 |       |       | ZL    |  |

GENERAL PROCESS INSTRUMENT DIAGRAM SYMBOLS

|   |  |                               |  |
|---|--|-------------------------------|--|
| MAIN PROCESS FLOW                         |  | HMI (HUMAN MACHINE INTERFACE) |  |
| SECONDARY PROCESS FLOW                    |  | PILOT LIGHT                   |  |
| INSTRUMENT OR CONNECTION TO PROCESS       |  | R = RED, A = AMBER, G = GREEN |  |
| PNEUMATIC SYMBOL                          |  | FLOWMETER                     |  |
| ELECTRICAL SIGNAL                         |  | BLOWER/FAN                    |  |
| GUIDE ELECTROMAGNETIC OR SONIC SIGNAL     |  | VERTICAL PUMP                 |  |
| NON-GUIDE ELECTROMAGNETIC OR SONIC SIGNAL |  | CENTRIFUGAL PUMP              |  |
| FIBER OPTIC ETHERNET                      |  | SUBMERSIBLE PUMP              |  |
| COPPER ETHERNET                           |  | CHEMICAL FEED/DOSING PUMP     |  |
| REMOTE I/O COMM BUS                       |  |                               |  |
| INTERNAL SYSTEM/PROGRAM LINK              |  |                               |  |
| ELECTRICAL FEED/CONNECTION                |  |                               |  |
| CONTINUATION TAG                          |  |                               |  |
| (1) UNIQUE I.D.                           |  |                               |  |
| (2) CONTINUATION FROM SHEET #             |  |                               |  |
| (3) CONTINUATION TO SHEET #               |  |                               |  |
| EQUIPMENT TAG                             |  |                               |  |
| VALVE (GENERAL)                           |  |                               |  |
| VALVE (GATE)                              |  |                               |  |
| CHECK VALVE (GENERAL)                     |  |                               |  |
| SOLENOID VALVE                            |  |                               |  |

INSTRUMENT DEVICE & FUNCTION SYMBOLS

| DESCRIPTION  | SYMBOL | DESCRIPTION FIELDS  | DESCRIPTION FIELD (1)                                     | DESCRIPTION FIELD (2)           | DESCRIPTION FIELD (3)   | DESCRIPTION FIELD (4) | DESCRIPTION FIELD (5) |
|--|--------|---|---|---------------------------------|---|-----------------------|-----------------------|
| SCADA/HMI  |        | (1) TAG LOOP #<br>(2) FUNCTION DESCRIPTION 1<br>(3) DESCRIPTION 2 | SEE INSTRUMENT & OPERATOR IDENTIFICATION LETTERS SCHEDULE | IDENTIFICATION NUMBER PER PLANS | ACTION ALARM NUM =NUMBER SET =SET POINT STATUS TREND                                      | DESCRIPTION           | DESCRIPTION           |
| MCC/PLC HMI  |        | (1) TAG LOOP #<br>(2) FUNCTION DESCRIPTION 1<br>(3) LOCATION      | SEE INSTRUMENT & OPERATOR IDENTIFICATION LETTERS SCHEDULE | IDENTIFICATION NUMBER PER PLANS | ACTION ALARM NUM =NUMBER SET =SET POINT STATUS  | DESCRIPTION           | DESCRIPTION           |
| CONTROL ELEMENT OPERATOR ACCESSIBLE                |        | (1) TAG LOOP #<br>(2) FUNCTION DESCRIPTION 1<br>(3) DESCRIPTION 2 | SEE OPERATOR IDENTIFICATION LETTERS SCHEDULE              | IDENTIFICATION NUMBER PER PLANS | LCP =LOCAL CONTROL PANEL<br>MCC =MOTOR CONTROL CENTER<br>VCP =VENDOR/3RD PARTY PANEL      | DESCRIPTION           | DESCRIPTION           |
| INSTRUMENT PRIMARY ELEMENT                         |        | (1) TAG LOOP #<br>(2) FUNCTION DESCRIPTION 1<br>(3) DESCRIPTION 2 | SEE INSTRUMENT IDENTIFICATION LETTERS SCHEDULE            | IDENTIFICATION NUMBER PER PLANS | INSTRUMENT READING VALUE/TYPE   | DESCRIPTION           | DESCRIPTION           |
| INSTRUMENT PRIMARY ELEMENT OPERATOR ACCESSIBLE     |        | (1) TAG LOOP #<br>(2) FUNCTION DESCRIPTION 1<br>(3) DESCRIPTION 2 | SEE INSTRUMENT IDENTIFICATION LETTERS SCHEDULE            | IDENTIFICATION NUMBER PER PLANS | INSTRUMENT READING VALUE/TYPE   | DESCRIPTION           | DESCRIPTION           |
| INSTRUMENT AUXILIARY ELEMENT OPERATOR ACCESSIBLE   |        | (1) TAG LOOP #<br>(2) FUNCTION DESCRIPTION 1<br>(3) DESCRIPTION 2 | SEE INSTRUMENT & OPERATOR IDENTIFICATION LETTERS SCHEDULE | IDENTIFICATION NUMBER PER PLANS | INSTRUMENT READING VALUE/TYPE   | DESCRIPTION           | DESCRIPTION           |
| INSTRUMENT PRIMARY ELEMENT OPERATOR INACCESSIBLE   |        | (1) TAG LOOP #<br>(2) FUNCTION DESCRIPTION 1<br>(3) DESCRIPTION 2 | SEE INSTRUMENT & OPERATOR IDENTIFICATION LETTERS SCHEDULE | IDENTIFICATION NUMBER PER PLANS | INSTRUMENT READING VALUE/TYPE   | DESCRIPTION           | DESCRIPTION           |
| INSTRUMENT AUXILIARY ELEMENT OPERATOR INACCESSIBLE |        | (1) TAG LOOP #<br>(2) FUNCTION DESCRIPTION 1<br>(3) DESCRIPTION 2 | SEE INSTRUMENT & OPERATOR IDENTIFICATION LETTERS SCHEDULE | IDENTIFICATION NUMBER PER PLANS | INSTRUMENT READING VALUE/TYPE   | DESCRIPTION           | DESCRIPTION           |
| PLC I/O  |        | (1) TAG LOOP #<br>(2) I/O FUNCTION DESCRIPTION 1                  | SEE INSTRUMENT & OPERATOR IDENTIFICATION LETTERS SCHEDULE | IDENTIFICATION NUMBER PER PLANS | SYMBOL TYPE<br>△ DISCRETE INPUT<br>▽ DISCRETE OUTPUT<br>▲ ANALOG INPUT<br>▼ ANALOG OUTPUT | DESCRIPTION           | N.A.                  |

BID SET 1/31/2024



WELL 8 TCP MITIGATION PROJECT  
CITY OF HUGHSON  
HUGHSON, CA  
ELECTRICAL INSTRUMENTATION COVER SHEET

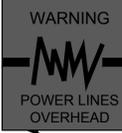
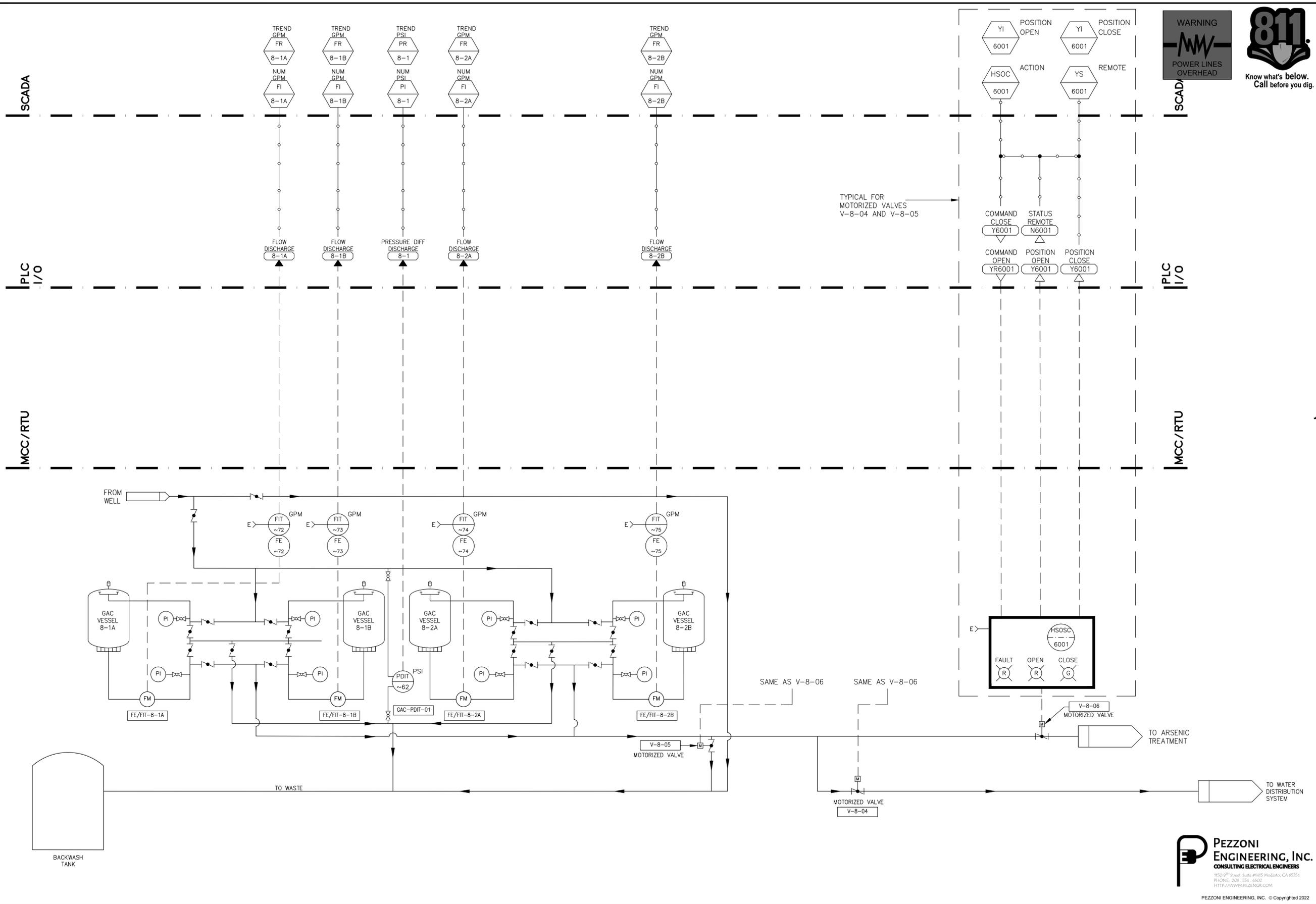
EST. 1968  
**PROVOST & PRITCHARD**  
CONSULTING GROUP  
All Employees Own-Company  
200 WEST CORNELL AVENUE  
FRESNO, CALIFORNIA 93711-6162  
559/449-2700 FAX 559/449-2715  
www.pegn.com

DESIGN ENGINEER: KLP  
LICENSE NO: 16269  
DRAFTED BY: FR  
CHECKED BY: KLP  
DATE: 1/31/2024  
JOB NO: 21-675



PHASE: -  
0 1"  
ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.  
SHEET 10.00  
34 OF 35

02/05/24 10:18:34 AM F:\21\675 HUGHSON TCP PROJECT\ENR\SHEETS\0.0 P&ID-INSTRUMENT PROCESS.DWG frangel



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|          |           |
|----------|-----------|
| BID SET  | 1/31/2024 |
| REVISION |           |
| BY       | DATE      |
| NO.      |           |



WELL 8 TCP MITIGATION PROJECT  
CITY OF HUGHSON  
HUGHSON, CA  
ELECTRICAL  
GAC AND MOTORIZED VALVES  
P&ID

EST. 1985  
**PRIVOST & PRITCHARD**  
CONSULTING GROUP  
All Employees Own-Company  
200 WEST COMWELL AVENUE  
FRESNO, CALIFORNIA 93711-6162  
559/449-2700 FAX 559/449-2715  
www.pezzoni.com

DESIGN ENGINEER: KLP  
LICENSE NO: 16269  
DRAFTED BY: FR  
CHECKED BY: KLP  
DATE: 1/31/2024  
JOB NO: 21-675

PHASE: -  
0 1"  
ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.

SHEET 10-10  
35 OF 35

**PEZZONI ENGINEERING, INC.**  
CONSULTING ELECTRICAL ENGINEERS  
1150 9<sup>TH</sup> STREET SUITE #1455 MADERA, CA 95354  
PHONE: 209-554-4800  
HTTP://WWW.PEZZONENGR.COM

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**CONTRACT DOCUMENTS**  
**FOR**  
**CITY OF HUGHSON**  
**WELL 8 TCP MITIGATION PROJECT**

Plans and Specifications Approved by the City:

**TBD**

CITY OF HUGHSON COMMUNITY  
DEVELOPMENT DEPARTMENT  
7018 PINE STREET  
PO BOX 9  
HUGHSON, CA 95326  
Phone: (209) 883-4054

COMMUNITY DEVELOPMENT DEPARTMENT

**PART I: BID**  
**FOR**  
**WELL 8 TCP MITIGATION PROJECT**

IN  
*HUGHSON, CALIFORNIA*

*Bids to Be Opened On:*

**TBD**  
**TBD**

CITY MANAGER  
Dominique  
Romo

MAYOR  
George Carr

MAYOR PRO-TEM  
Randy Crooker

COUNCIL MEMBERS

---

Samuel Rush

Julie Strain

Alan McFadon

Prepared By:  
Provost & Pritchard  
Consulting Group

Approved for Construction By:

\_\_\_\_\_  
Keith Mortensen, PE  
RCE#75865

\_\_\_\_\_  
Carla C. Jauregui  
COMMUNITY DEVELOPMENT DIRECTOR

---

For use in Connection with the 2018 Standard Specifications and Standard Plans of the California Department of Transportation, and the Labor Surcharge and Equipment Rental Rates in effect on the date the work is accomplished.

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(Some colored inks will not reproduce in copy machines, please use black ink to complete this bid.)

**BID**

BID TO THE CITY OF HUGHSON COMMUNITY

DEVELOPMENT DEPARTMENT

WELL 8 TCP MITIGATION PROJECT

NAME OF BIDDER \_\_\_\_\_  
BUSINESS P.O. BOX \_\_\_\_\_  
CITY, STATE, ZIP \_\_\_\_\_  
BUSINESS STREET ADDRESS \_\_\_\_\_  
*(Please include even if P.O. Box used)*  
CITY, STATE, ZIP \_\_\_\_\_  
TELEPHONE NO: AREA CODE ( ) \_\_\_\_\_  
FAX NO: AREA CODE ( ) \_\_\_\_\_  
CONTRACTOR LICENSE NO. \_\_\_\_\_  
EMAILADDRESS: \_\_\_\_\_

The work for which this bid is submitted is for construction in conformance with the special provisions (including less than the State general prevailing wage rates or Federal minimum wage rates), the project plans described below, including any addenda thereto, the contract annexed hereto, and in conformance with the California Department of Transportation Standard Plans, dated 2018, the Standard Specifications, dated 2018, and the Labor Surcharge and Equipment Rental Rates in effect on the date the work is accomplished.

The special provisions for the work to be done are dated **TBD**, and are entitled:

CITY OF HUGHSON  
COMMUNITY DEVELOPMENT DEPARTMENT  
NOTICE TO BIDDERS AND SPECIAL PROVISIONS FOR

*WELL 8 TCP MITIGATION PROJECT*

*IN*

*HUGHSON, CALIFORNIA*

The project plans for the work to be done were approved **TBD**, and are entitled:

CITY OF HUGHSON  
COMMUNITY DEVELOPMENT DEPARTMENT  
PROJECT PLANS FOR

*WELL 8 TCP MITIGATION PROJECT*

*IN*

*HUGHSON, CALIFORNIA*

City of Hughson  
Well 8 TCP Mitigation Project

Bids are to be submitted for the entire work. The amount of the bid for comparison purposes will be the total of all items.

The bidder shall set forth for each unit basis item of work a unit price and a total for the item, and for each lump sum item a total for the item, all in clearly legible figures in the respective spaces provided for that purpose. In the case of unit basis items, the amount set forth under the "Item Total" column shall be the product of the unit price bid and the estimated quantity for the item.

This is not a Federal-Aid project and therefore any Federal-Aid provisions do not apply.

In case of discrepancy between the unit price and the total set forth for a unit basis item, the unit price shall prevail, except as provided in (a) or (b), as follows:

(a) If the amount set forth as a unit price is unreadable or otherwise unclear, or is omitted, or is the same as the amount as the entry in the item total column, then the amount set forth in the item total column for the item shall prevail and shall be divided by the estimated quantity for the item and the price thus obtained shall be the unit price;

(b) (Decimal Errors) If the product of the entered unit price and the estimated quantity is exactly off by a factor of ten, one hundred, etc., or one-tenth, or one-hundredth, etc. from the entered total, the discrepancy will be resolved by using the entered unit price or item total, whichever most closely approximates percentage-wise the unit price or item total in the *CITY OF HUGHSON* Final Estimate of cost.

If both the unit price and the item total are unreadable or otherwise unclear, or are omitted, the bid may be deemed irregular. Likewise, if the item total for a lump sum item is unreadable or otherwise unclear, or is omitted, the bid may be deemed irregular unless the project being bid has only a single item and a clear, readable total bid been provided.

Symbols such as commas and dollar signs will be ignored and have no mathematical significance in establishing any unit price or item total or lump sums. Written unit prices, item totals and lump sums will be interpreted according to the number of digits and, if applicable, decimal placement. Cents symbols also have no significance in establishing any unit price or item total since all figures are assumed to be expressed in dollars and/or decimal fractions of a dollar. Bids on lump sum items shall be item totals only; if any unit price for a lump sum item is included in a bid and it differs from the item total, the items total shall prevail.

The foregoing provisions for the resolution of specific irregularities cannot be so comprehensive as to cover every omission, inconsistency, error or other irregularity which may occur in a bid. Any situation not specifically provided for will be determined in the discretion of the *CITY OF HUGHSON*, and that discretion will be exercised in the manner deemed by the *CITY OF HUGHSON* to best protect the public interest in the prompt and economical completion of the work. The decision of the *CITY OF HUGHSON* respecting the amount of a bid, or the existence or treatment of an irregularity in a bid, shall be final.

If this bid shall be accepted and the undersigned shall fail to enter into the contract and furnish the 2 bonds in the sums required by the Public Contract Code, with surety satisfactory to the *CITY OF HUGHSON*, within 8 days, not including Saturdays, Sundays and legal holidays, after the bidder has received notice from the *CITY OF HUGHSON* that the contract has been awarded, the *CITY OF HUGHSON* may, at its option, determine that the bidder has abandoned the contract, and thereupon this bid and the acceptance thereof shall be null and void and the forfeiture of the security accompanying this bid shall operate and the same shall be the property of the *CITY OF HUGHSON*.

The undersigned, as bidder, declares that the only persons or parties interested in this bid as principals are those named herein; that this bid is made without collusion with any other person, firm, or corporation; that he has carefully examined the location of the proposed work, the annexed proposed form of contract, and the plans therein referred to; and he proposes, and agrees if this bid is accepted, that he will contract with the *CITY OF HUGHSON*, in the form of the copy of the contract annexed hereto, to provide all necessary machinery, tools, apparatus and other means of construction, and to do all the work and furnish all the materials specified in the contract, in the manner and time therein prescribed, and according to the requirements of the Engineer as therein set forth, and that he will take in full payment therefor the following prices, to wit:

### BID SCHEDULE A

|                             |  |   |    |    |    |
|-----------------------------|--|---|----|----|----|
| 1                           | General Provisions, Mobilization         | 1 | LS | \$ | \$ |
| 2                           | Traffic Control                          | 1 | LS | \$ | \$ |
| 3                           | Dust Control                             | 1 | LS | \$ | \$ |
| 4                           | Worker Protection                        | 1 | LS | \$ | \$ |
| 5                           | Demolition Clearing and Grubbing         | 1 | LS | \$ | \$ |
| 6                           | Site Grading                             | 1 | LS | \$ | \$ |
| 7                           | Site Piping                              | 1 | LS | \$ | \$ |
| 8                           | GAC Vessels                              | 1 | LS | \$ | \$ |
| 9                           | GAC Vessel Foundation                    | 1 | LS | \$ | \$ |
| 10                          | Site Concrete and Paving                 | 1 | LS | \$ | \$ |
| 11                          | Washwater Disposal System                | 1 | LS | \$ | \$ |
| 12                          | Blockwall and Access Gates               | 1 | LS | \$ | \$ |
| 13                          | Electrical, Instrumentation and Controls | 1 | LS | \$ | \$ |
| <b>TOTAL BID SCHEDULE A</b> |  |   |    | \$ |    |

**Bid Schedule A Total \$** \_\_\_\_\_

**Bid Schedule A (in words):**

---

The Contractor shall be responsible for calculating and providing unit prices for the schedule. The proposal schedule shall include all costs for services, labor, materials, equipment, and installation associated with completing the work in place per the plans, specifications and details.

City of Hughson  
Well 8 TCP Mitigation Project

The City has the option to reject all bids with or without cause. The City also has the option to remove bid items at its discretion. If the City chooses to remove bid items, no bid price adjustment will be allowed.

**For the purposes of determining the lowest responsible bidder, the Bid Schedule A Total shall be considered.**

**LIST OF SUBCONTRACTORS**

The Bidder shall list the name and address of each subcontractor to whom the Bidder proposes to subcontract portions of the work, as required by the provisions in Section 2-1.33C, "General," of the special provisions.

| <b>Name and Address</b> | <b><u>Description of Portion of Work Subcontracted</u></b> |
|-------------------------|--|
|                         |  |
|                         |  |
|                         |  |
|                         |  |
|                         |  |
|                         |  |
|                         |  |
|                         |  |
|                         |  |

*(THE BIDDER'S EXECUTION ON THE SIGNATURE PORTION OF THIS BID SHALL ALSO CONSTITUTE AN ENDORSEMENT AND EXECUTION OF THOSE CERTIFICATIONS WHICH ARE A PART OF THIS BID)*

## PUBLIC CONTRACT CODE

### Public Contract Code Section 10285.1 Statement

In conformance with Public Contract Code Section 10285.1 (Chapter 376, Stats. 1985), the bidder hereby declares under penalty of perjury under the laws of the State of California that the bidder has \_\_\_\_\_, has not \_\_\_\_\_ been convicted within the preceding three years of any offenses referred to in that section, including any charge of fraud, bribery, collusion, conspiracy, or any other act in violation of any state or Federal antitrust law in connection with the bidding upon, award of, or performance of, any public works contract, as defined in Public Contract Code Section 1101, with any public entity, as defined in Public Contract Code Section 1100, including the Regents of the University of California or the Trustees of the California State University. The term "bidder" is understood to include any partner, member, officer, director, responsible managing officer, or responsible managing employee thereof, as referred to in Section 10285.1.

Note: The bidder must place a check mark after "has" or "has not" in one of the blank spaces provided. The above Statement is part of the Bid. Signing this Bid on the signature portion thereof shall also constitute signature of this Statement. Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

---

### Public Contract Code Section 10162 Questionnaire

In conformance with Public Contract Code Section 10162, the Bidder shall complete, under penalty of perjury, the following questionnaire:

Has the bidder, any officer of the bidder, or any employee of the bidder who has a proprietary interest in the bidder, ever been disqualified, removed, or otherwise prevented from bidding on, or completing a federal, state, or local government project because of a violation of law or a safety regulation?

Yes                      No

If the answer is yes, explain the circumstances in the following space.

**Public Contract Code 10232 Statement**

In conformance with Public Contract Code Section 10232, the Contractor, hereby states under penalty of perjury, that no more than one final unappealable finding of contempt of court by a federal court has been issued against the Contractor within the immediately preceding two-year period because of the Contractor's failure to comply with an order of a federal court which orders the Contractor to comply with an order of the National Labor Relations Board.

Note: The above Statement and Questionnaire are part of the Bid. Signing this Bid on the signature portion thereof shall also constitute signature of this Statement and Questionnaire. Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

---

**“NONCOLLUSION” AFFIDAVIT TO BE EXECUTED BY BIDDER AND  
SUBMITTED WITH BID**

**Public Contract Code § 7106**

State of California  
County of Stanislaus \_\_\_\_\_

I am the \_\_\_\_\_ of \_\_\_\_\_, the party making the foregoing bid.

The bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The bid is genuine and not collusive or sham. The bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid. The bidder has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or to refrain from bidding. The bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder. All statements contained in the bid are true. The bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof, to effectuate a collusive or sham bid, and has not paid, and will not pay, any person or entity for such purpose.

Any person executing this declaration on behalf of a bidder that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the bidder.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on \_\_\_\_\_ [date], at \_\_\_\_\_ [city], \_\_\_\_\_ [state].

BIDDER:

\_\_\_\_\_  
(Signature) (Date)

\_\_\_\_\_  
(Name and Title of Signatories)

\_\_\_\_\_  
(Legal Name Bidder)

\_\_\_\_\_  
(Address)

\_\_\_\_\_  
(Phone Number)

Accompanying this Bid is \_\_\_\_\_

*(NOTICE: INSERT THE WORDS "CASH(\$," "CASHIER'S CHECK," "CERTIFIED CHECK," OR "BIDDER'S BOND," AS THE CASE MAY BE.)*

in amount equal to at least ten percent (10%) of the total of the bid.

The names of all persons interested in the foregoing bid as principals are as follows:

### IMPORTANT NOTICE

If bidder or other interested person is a corporation, state legal name of corporation, also names of the president, secretary, treasurer, and manager thereof; if a co-partnership, state true name of firm, also names of all individual copartners composing firm; if bidder or other interested person is an individual, state first and last names in full.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Licensed in conformance with an act providing for the registration of Contractors,

License No. \_\_\_\_\_ Classification(s) \_\_\_\_\_

### ADDENDA

This Proposal is submitted with respect to the changes to the contract included in addenda number/s

*(Fill in addenda numbers if addenda have been received and insert, in this Proposal, any Engineer's Estimate sheets that were received as part of the addenda.)*

By my signature on this proposal I certify, under penalty of perjury under the laws of the State of California, that the foregoing questionnaire and statements of Public Contract Code Sections 10162, 10232 and 10285.1 are true and correct and that the bidder has complied with the requirements of Section 8103 of the Fair Employment and Housing Commission Regulations (Chapter 5, Title 2 of the California Administrative Code). By my signature on this proposal I further certify, under penalty of perjury under the laws of the State of California that the Noncollusion Affidavit, Public Contract Code Section 7106 is true and correct.

Date: \_\_\_\_\_

Sign Here: \_\_\_\_\_

\_\_\_\_\_

Signature and Title of Bidder

City of Hughson  
Well 8 TCP Mitigation Project

Business Address \_\_\_\_\_

Place of Business \_\_\_\_\_

Place of Residence \_\_\_\_\_

*CITY OF HUGHSON  
COMMUNITY  
DEVELOPMENT DEPARTMENT*

**BIDDER'S BOND  
WELL 8 TCP MITIGATION  
PROJECT**

-----  
----- as Principal, and

as Surety are bound unto the City of Hughson, State of California, hereafter referred to as "Obligee", in the penal sum of ten percent (10%) of the total amount of the bid of the Principal submitted to the Obligee for the work described below, for the payment of which sum we bind ourselves, jointly and severally,

THE CONDITION OF THIS OBLIGATION IS SUCH THAT

Whereas, the Principal is submitted to the oblige for: demolition, clearing, grubbing, sidewalk construction, and pavement work.

for which bids are to be opened at the office of the City Clerk of the City of Hughson, in City Hall, 7018 Pine Street, Hughson, CA 95326 on **TBD at TBD**.

NOW, THEREFORE, if the Principal is awarded the contract and, within the time and manner required under the specifications, after the prescribed forms are presented to him for signature, enters into a written contract, in the prescribed form, in conformance with the bid, and files two bonds with the Obligee, one to guarantee faithful performance of the contract and the other to guarantee payment for labor and materials as provided by law, then this obligation shall be null and void; otherwise, it shall remain in full force.

In the event suit is brought upon this bond by the Obligee and judgement is recovered, the Surety shall pay all costs incurred by the Obligee in such suit, including a reasonable attorney's fee to be fixed by the court.

Dated: \_\_\_\_\_, 20

\_\_\_\_\_  
Principal

\_\_\_\_\_  
Surety

\_\_\_\_\_  
Attorney-in-Fact

City of Hughson  
Well 8 TCP Mitigation Project

CERTIFICATE OF ACKNOWLEDGEMENT

City/County of \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_ in the year 20\_\_\_\_ before me

\_\_\_\_\_, personally appeared \_\_\_\_\_  
*Attorney-in-fact*

personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this instrument as the attorney-in-fact of \_\_\_\_\_, and acknowledged to me that he (she) subscribed the name of the said company thereto as surety, and his (her) own name as attorney-in-fact.

(SEAL)

\_\_\_\_\_  
*Notary Public*

**SAMPLE CONTRACT**  
CONSTRUCTION SERVICES AGREEMENT  
CONTRACT ID# \_\_\_\_\_  
(City of Hughson/[contractor])

DATE: \_\_\_\_\_

PARTIES:

CITY:

City of Hughson  
Post Office Box 9  
Hughson, CA 95326

CONTRACTOR:

[contractor name]  
[contractor address]  
[city, state zip]

THIS CONSTRUCTION SERVICES AGREEMENT ("Agreement") is entered into by and between the City of Hughson, a California municipal corporation ("City") and \_\_\_\_\_ ("Contractor").

RECITALS

WHEREAS, the City has determined that it requires certain construction services provided as set forth in this Agreement.

WHEREAS, this Agreement is for the provision of those construction services by Contractor to City.

WHEREAS, the Contractor represents that it is qualified and able to perform the construction services by virtue of its experience and the training, education, and professional ability of its principals and employees.

WHEREAS, the Contractor further represents that it is willing to accept responsibility for performing such construction services in accordance with the terms and conditions set forth in this Agreement.

NOW, THEREFORE, for and in consideration of the mutual covenants and conditions herein contained, City and Contractor agree as follows:

1. Definitions

1.1. "Chapter 1": Division 2, Part 7, Chapter 1 (commencing with section 1720) of the California Labor Code.

- 1.2. "Contract Documents": It is mutually agreed and understood that the complete Contract shall consist of this Agreement, and the following component documents, all of which are fully a part hereof as if herein set out in full, or if not attached, as if attached, and which together constitute the Contract Documents:
    - 1.2.1. Notice to Bidders
    - 1.2.2. Bidding Contractor's Proposal
    - 1.2.3. Accepted Bid
    - 1.2.4. Faithful Performance Bond and Labor and Materials Bond (if applicable)
    - 1.2.5. Special provisions
    - 1.2.6. Project Plans
    - 1.2.7. Revised standard specifications
    - 1.2.8. Standard specifications including City of Hughson Improvement Standards
    - 1.2.9. Revised standard plans including City of Hughson Standard Plans
    - 1.2.10. Standard Plans
    - 1.2.11. Supplemental project information
    - 1.2.12. Disadvantaged Business Enterprise Program
  - 1.3. "Contract Price": Price at which Contractor agrees to perform Scope of Services and City agrees to pay Contractor to perform Scope of Services.
  - 1.4. "DIR": Department of Industrial Relations
  - 1.5. "Project": SEWER IMPROVEMENTS ON TULLY ROAD AND SECOND STREET
  - 1.6. "Scope of Services": Such construction services as are set forth in the Contract Documents.
2. Scope of Construction Agreement
- 2.1. Contractor agrees to provide constructions services at \_\_\_\_\_ as described in Contract Documents.
  - 2.2. Failure of the Contractor to include any scope of work identified in the Contract Documents will not excuse Contractor's liability to perform such work, unless Contractor provides written notice that Contractor's bid does not include the scope of work defined in the Contract Documents and City accepts Contractor's bid with the understanding that Contractor will not be providing construction services for the scope of work specifically identified in Contractor's written notice to the City.
  - 2.3. Contractor agrees to do all the work and furnish all the labor, material, equipment and appliances to complete the work in accordance with the Contract Documents.
  - 2.4. Contractor agrees to do and perform said work diligently as directed by the City until completion is evidenced by written acceptance by the City.
  - 2.5. Contractor agrees to do and perform the work contemplated hereby and furnish all labor, material, appliances, equipment, tools and pay all taxes therefore, at the bid price specified in the Bid form submitted by the Contractor.
  - 2.6. Contractor agrees to remedy, at his expense, any defects in the work which shall appear within a period of twelve (12) months from the date of the final acceptance of the work.
  - 2.7. Contractor shall comply with all Federal, State, and local laws, regulations and requirements necessary for the provision of contracted services.
  - 2.8. Contractor shall comply with all laws applicable to wages and hours of employment, occupational safety, and to fire safety, health and sanitation.

2.9. Contractor shall maintain current throughout the life of this Agreement, all permits, licenses, certificates, and insurances that are necessary for the provision of contracted services.

3. Term of Agreement

3.1. This Agreement shall commence on the date of execution by the City, and continue until [date], unless said work is completed on a date prior thereto or unless terminated earlier as provided herein.

3.2. Contractor agrees to commence work on its Scope of Services within **10** calendar days after receipt of Notice to Proceed and to complete said work within **30** calendar days from date established by the Notice to Proceed.

3.3. Should the Contractor fail to complete the work included in the Scope of Services within the time limit agreed upon or such extensions thereof as may be granted, a deduction of One Thousand dollars (\$1,000.00) per day will be made from amounts otherwise due the Contractor for each and every calendar day, or fraction thereof, that the work, or each stated portion, remains incomplete after the date set for its completion.

4. Hours Worked

4.1. Contractor shall comply with and be bound by the provisions of Labor Code section 1810 acknowledging that eight (8) hours labor constitutes a legal day's work.

4.2. Contractor shall comply with and be bound by the provisions of Labor Code section 1813 concerning penalties for workers who work excess hours. The Contractor, shall as a penalty to the City, forfeit twenty-five dollars (\$25) for each worker employed in the performance of this Agreement by the Contractor or by any subcontractor for each calendar day during which such worker is required or permitted to work more than eight (8) hours in any one (1) calendar day and forty (40) hours in any one (1) calendar week in violation of the provisions of Division 2, Part 7, Chapter 1, Article 3 of the Labor Code.

4.3. Pursuant to Labor Code section 1815, work performed by employees of Contractor in excess of eight (8) hours per day, and forty (40) hours during any one (1) week shall be permitted upon public work upon compensation for all hours worked in excess of 8 (eight) hours per day at not less than one and one-half (1-1/2) times the basic rate of pay.

5. Compensation

The compensation shall not exceed the amount of \$ \_\_\_\_\_ for construction services performed pursuant to this Agreement paid in accordance with the following bid schedule:

[Bid Schedule to be inserted  
after award

| <b>Item</b> | <b>F</b> | <b>Description</b> | <b>Quantity</b> | <b>Units</b> | <b>Unit Price</b> | <b>Total</b> |
|-------------|----------|--------------------|-----------------|--------------|-------------------|--------------|
| 1           |          |                    |                 |              |                   |              |
| 2           |          |                    |                 |              |                   |              |

| <b>Item</b> | <b>F</b> | <b>Description</b> | <b>Quantity</b> | <b>Units</b> | <b>Unit Price</b> | <b>Total</b> |
|-------------|----------|--------------------|-----------------|--------------|-------------------|--------------|
| 3           |          |                    |                 |              |                   |              |
| 4           |          |                    |                 |              |                   |              |
| 5           |          |                    |                 |              |                   |              |
| 6           |          |                    |                 |              |                   |              |
| 7           |          |                    |                 |              |                   |              |

6. Invoicing

- 6.1. Contractor shall submit one original and one copy of each invoice to the City, Post Office Box 9, Hughson, California 95326 by the end of each month. The invoice must include the value of all work completed as of the 20th day of the current month. All invoices must reference this Contract ID Number and the services performed.
- 6.2. On or about the tenth day of each month after the commencement of work, an amount equal to ninety-five percent (95%) of the value of all work completed as of the 20th day of the preceding month, based on the quantities of work completed, as determined by the Engineer at the unit prices stated, less the aggregate of all previous payments made to the Contractor, will be paid by City to Contractor.
- 6.3. Thirty (30) days after completion of the Contract and its acceptance by the City, the balance of the Contract Price will be paid. Such final payment will not be made until completion of the entire project and acceptance of the whole by the City.
- 6.4. Contractor may substitute securities in lieu of retained funds in accordance with Public Contract Code section 22300.
- 6.5. It is further agreed by the parties that before each payment is made as provided above, receipts and releases of liens of all kinds for all labor and materials and all other indebtedness connected with the work shall be presented to the City by the Contractor upon the request of the City.

7. Contractor's Status

- 7.1. Prior to submitting a bid, the Contractor and subcontractors must be registered with the DIR and qualified to perform public work pursuant to Labor Code section 1725.5, subject to limited legal exceptions under Labor Code section 1771.1.
- 7.2. No contractor or subcontractor may be awarded a contract for public work on a public works project unless registered with the DIR pursuant to Labor Code section 1725.5.

8. Contractor Responsibility for Employees and Subcontractors

- 8.1. California Labor Code Sections 1860 and 3700 provide that every employer will be required to secure the payment of compensation to its employees. In accordance with the provisions of California Labor Code Section 1861, Contractor hereby certifies as follows:

"I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this contract."

- 8.2. For every subcontractor who will perform work on the Project, Contractor shall be responsible for such subcontractor's compliance with Chapter 1 and Labor Code Sections 1860 and 3700, and Contractor shall include in the written contract between it and each subcontractor a copy of those statutory provisions and a requirement that each subcontractor shall comply with those statutory provisions. Contractor shall be required to take all actions necessary to enforce such contractual provisions and ensure subcontractor's compliance, including without limitation, conducting a periodic review of the certified payroll records of the subcontractor and upon becoming aware of the failure of the subcontractor to pay his or her workers the specified prevailing rate of wages. Contractor shall diligently take corrective action to halt or rectify any failure.
- 8.3. By executing the Contract, the contractor certifies that every subcontractor who will perform work on the Project is not ineligible pursuant to Labor code Sections 1777.1 or 1777.7. In accordance with Public Contract Code Section 6109, any contractors who are ineligible to perform work on public works project pursuant to Labor Code Sections 1777.1 or 1777.7 may neither bid on, be awarded, or perform work on this Project. To the full extent permitted by law he Contractor shall hold harmless and indemnify the City from and against any and all damages, costs, and liability arising from or as a consequence of any violation of Public Contract Code Section 6109.
- 8.4. The City has full authority to compromise or otherwise settle any claim relating to the Project at any time. However, the City shall notify Contractor of the receipt of any third-party claim relating to the Project.

#### 9. Bonding Requirements

If this total bid amount as set forth in the Bid is in excess of \$25,000, then Contractor shall provide a Faithful Performance Bond and a Labor and Materials Bond, in the sum of 100% of the contract price; the Faithful Performance Bond will be retained by the City for twelve (12) months following final acceptance by the City of the improvements constructed to guarantee correction of failures attributable to workmanship and materials. Upon the final acceptance by the City, the amount of the Faithful Performance Bond may be reduced to twenty percent (20%) of the actual improvement construction costs.

#### 10. Public Work Acknowledgment

- 10.1. Contractor acknowledges that the project as defined in the Contract Documents between Contractor and City is a "public work" as defined in Division 2, Part 7, Chapter 1 (commencing with section 1720) of the California Labor Code ("Chapter 1"), and that this Agreement is subject to:
  - 10.1.1. Chapter 1, including without limitation Labor Code section 1771; and
  - 10.1.2. The rules and regulations established by the Director of Industrial Relations implementing such statutes. Contractor shall perform all work on the project as public work. Contractor shall comply with and be bound by all the terms, rules and regulations described in 10.1.1 and 10.1.2 as though set forth in full herein.
- 10.2. California law requires inclusion of specific Labor Code provisions in certain contracts. The inclusion of such specific provisions in this Agreement, whether or not required by California law, does not alter the meaning or scope of Section 10 of this Agreement.

### 11. Labor Compliance Monitoring

- 11.1. Pursuant to Labor Code section 1771.4, Contractor's services are subject to labor compliance monitoring and enforcement by the DIR. Contractor shall post job site notices, as prescribed by DIR regulations.
- 11.2. Contractor shall comply with and be bound by the provisions of Labor Code section 1776, which requires Contractor and each subcontractor to:
  - 11.2.1. Keep accurate payroll records and verify such records in writing under penalty of perjury, as specified in Section 1776; and
  - 11.2.2. Certify and make such payroll records available for inspection as provided by Section 1776; and
  - 11.2.3. Inform the City of the location of the records.
- 11.3. Payment to Contractor shall not be made when payroll records are delinquent or inadequate.

### 12. Prevailing Wage Requirements

- 12.1. Pursuant to Labor Code section 1773.2, copies of the prevailing rate of per diem wages for each craft, classification, or type of worker needed to perform the Scope of Services are on file at City Hall and will be made available to any interested party on request. Contractor acknowledges receipt of a copy of the DIR determination of such prevailing rate of per diem wages, and Contractor shall post such rates at each job site covered by this Contract.
- 12.2. Contractor shall comply with and be bound by the provisions of Labor Code sections 1774 and 1775 concerning the payment of prevailing rates of wages to workers and the penalties for failure to pay prevailing wages. The Contractor shall, as a penalty to the City, forfeit two hundred dollars (\$200) for each calendar day, or portion thereof, for each worker paid less than the prevailing rates as determined by the DIR for the work or craft in which the worker is employed for any public work done pursuant to this Contract by Contractor or by any subcontractor.
- 12.3. Contractor shall comply with and be bound by the provisions of Labor Code sections 1777.5, 1777.6 and 1777.7 and California Administrative Code title 8, section 200 et seq. concerning the employment of apprentices on public works projects. Contractor shall be responsible for compliance with these aforementioned sections for all apprenticeable occupations. Prior to commencing work under this Agreement, Contractor shall provide City with a copy of the information submitted to any applicable apprenticeship program. Within sixty (60) days after concluding work pursuant to this Agreement, Contractor and each of its subcontractors shall submit to the City a verified statement of the journeyman and apprentice hours performed under this Agreement.
- 12.4. The statutory provisions for penalties for failing to comply with the State of California wage and labor laws will be enforced, as well as that for failing to pay prevailing wages.

### 13. Indemnification

To the maximum extent permitted by law, Contractor shall indemnify, hold harmless and defend (at Contractor's expense with counsel reasonably acceptable to the City) the City, its officials, officers, employees, agents and independent contractors serving in the role of City's



16. Discrimination

Contractor shall not discriminate against any individual based on race, color, religion, nationality, sex, age, or handicap condition.

17. Notices

Any notice required to be given pursuant to the terms and provisions hereof shall be in writing and shall be affected by personal delivery or by first class mail, registered or certified, postage prepaid, return receipt requested. Unless otherwise designated by either party in writing, such notices shall be mailed to Post Office Box 9, Hughson, California 95236.

18. Termination

If the Contractor breaches or habitually neglects the Contractor's duties under this Agreement without curing such breach or neglect upon fifteen (15) working days written notice, the City may, by written notices, immediately terminate this Agreement without prejudice to any other remedy to which the City may be entitled, either at law, in equity, or under this Agreement. In addition, either party may terminate this Agreement upon sixty (60) calendar days written notice to other party.

19. Conflict of Interest Statement

- 19.1. Contractor covenants that Contractor, its officers or employees or their immediate family, presently has no interest, including, but not limited to, other projects or independent contracts, and shall not acquire any such interest, direct or indirect, which would conflict in any manner or degree with the performance of services required to be performed under this Agreement.
- 19.2. Contractor further covenants that in the performance of this Agreement no person having any such interest shall be employed or retained by Contractor under this Agreement
- 19.3. Contractor shall not hire City's employees to perform any portion of the work or services provided for herein, including secretarial, clerical, and similar incidental services except upon the written approval of the City.
- 19.4. Performance of services under this Agreement by associates or employees of Contractor shall not relieve Contractor from any responsibility under this Agreement.

20. Drug Free Workplace

Contractor shall comply with the provisions of Government Code section 8350 et seq., otherwise known as the Drug-Free Workplace Act.

21. Force Majeure

It is agreed that neither party shall be responsible for delays in delivery or acceptance of delivery or failure to perform when such delay or failure is attributable to Acts of God, war, strikes, riots, lockouts, accidents, rules or regulations of any governmental agencies or other matters or conditions beyond the control of either the seller/contractor or the purchaser.

22. Forum Law

The Laws of the State of California shall govern this Agreement. Venue is Stanislaus County. The provision of this paragraph shall survive expiration or other termination of this Agreement regardless of the cause of such termination.

23. Entire Agreement and Modification

This Agreement supersedes all previous Agreements either oral or in writing and constitutes the entire understanding of the parties hereto. No changes, amendments, or alterations shall be effective unless in writing and signed by both parties.

24. Attorneys' Fees

In any litigation, arbitration, or other proceeding by which one party either seeks to enforce its rights under this Agreement (whether in contract, tort, or both) or seeks a declaration of any rights or obligations under this Agreement, the prevailing party shall be awarded reasonable attorney fees, together with any costs and expenses, to resolve the dispute and to enforce the final judgment.

IN WITNESS WHEREOF, City and Contractor have executed this Agreement on the day and year first written above.

Contractor

By: \_\_\_\_\_  
[Official name]  
[Official title]

Date: \_\_\_\_\_

Approved as to Form:

By: \_\_\_\_\_

Tom Terpstra  
City Attorney

City

City of Hughson  
Post Office Box 9  
Hughson, CA 95326

City of Hughson  
Well 8 TCP Mitigation Project

By: \_\_\_\_\_

\_\_\_\_\_  
Dominique Romo  
City Manager

Date: \_\_\_\_\_

CITY OF HUGHSON  
COMMUNITY DEVELOPMENT DEPARTMENT

**SAMPLE PAYMENT BOND**  
(Section 3247, Civil Code)

WHEREAS, The City of Hughson, acting by and through the Community Development Department, hereafter referred to as "Obligee", has awarded to Contractor \_\_\_\_\_ hereafter designated as the "Principal", a contract for the work described as follows:

The work generally consists of, but is not limited to, the following: a d j u s t water and sewer services, roadway excavation and grading, asphalt grinding/milling, roadway paving and street striping. The contractor shall include in his bid and provide all labor, tools and materials for a complete project in conformance with the intent shown on the drawings and specified herein.

AND WHEREAS, said Principal is required to furnish a bond in connection with said contract, to secure the payment of claims of laborers, mechanics, materialmen and other persons as provided by law.  
NOW, THEREFORE, we the undersigned Principal and Surety are bound unto the Obligee in the sum of \_\_\_\_\_ dollars (\$) \_\_\_\_\_), for which payment, we bind ourselves, jointly and severally.

THE CONDITION OF THIS OBLIGATION IS SUCH,

That if said Principal or its subcontractors shall fail to pay any of the persons named in Civil Code Section 3181, or amounts due under the Unemployment Insurance Code with respect to work or labor performed by such claimant, or any amounts required to be deducted, withheld, and paid over to the Franchise Tax Board for the wages of employees of the Principal and his subcontractors pursuant to Section 18806 of the Revenue and Taxation Code, with respect to such work and labor, that the surety herein will pay for the same in an amount not exceeding the sum specified in this bond, otherwise the above obligation shall be void. In case suit is brought upon this bond, the surety will pay a reasonable attorney's fee to fixed by the court. This bond shall inure to the benefit of any of the persons named in Civil Code Section 3181 as to give a right of action to such persons or their assigns in any suit brought upon this bond.

Dated: \_\_\_\_\_, 20

Correspondence or claims relating to this bond should be sent to the surety at the following address:  
  
\_\_\_\_\_  
  
\_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
Principal  
\_\_\_\_\_  
Surety (SEAL)  
\_\_\_\_\_  
By: Attorney-in-Fact

NOTE: Signatures of those executing for the surety must be properly acknowledged.

CERTIFICATE OF ACKNOWLEDGEMENT

State of California  
City / County of \_\_\_\_\_

On this day of \_\_\_\_\_, 20\_\_ before me \_\_\_\_\_ personally appeared \_\_\_\_\_ personally known to me (or proved to me on the basis of satisfactory evidence) \_\_\_\_\_ Attorney-in-Fact to be the person whose name is subscribed to this instrument as the attorney-in-fact of \_\_\_\_\_ and acknowledged to me that he/she subscribed the name of the said company thereto as surety, and his/her own name as attorney-in-fact.

CITY OF HUGHSON  
COMMUNITY DEVELOPMENT DEPARTMENT  
**SAMPLE PERFORMANCE**

**BOND**

(To Accompany Contract)

Bond No. \_\_\_\_\_

WHEREAS, the City of Hughson, acting by and through the Community Development Department, has awarded to Contractor \_\_\_\_\_ hereafter designated as the "Contractor", a contract for the work described as follows:

The work generally consists of, but is not limited to, the following: adding GAC treatment to the existing Well 8 treatment system, demolition and grading, and, paving. The contractor shall include in his/her bid and provide all labor, tools and materials for a complete project in conformance with the intent shown on the drawings and specified herein.

AND WHEREAS, the Contractor is required to furnish a bond in connection with said contract, guaranteeing the faithful performance thereof:

NOW, THEREFORE, we the undersigned Contractor and Surety are held firmly bound to the City of Hughson in the sum of \$ \_\_\_\_\_ dollars, to be paid to said City or its certain attorney, its successors and assigns: for which payment, well and truly to be made, we bind ourselves, our heirs, executors and administrators, successors or assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH,

That if the above bound Contractor, its heirs, executors, administrators, successors or assigns, shall in all things stand to and abide by, and well and truly keep and perform the covenants, conditions and agreements in the foregoing contract and any alteration thereof made as therein provided, on his or their part to be kept and performed at the time and in the manner therein specified, and in all respects according to their intent and meaning, and shall indemnify and save harmless the City / County of \_\_\_\_\_, its officers and agents, as therein stipulated, then this obligation shall become and be null and void; otherwise it shall be and remain in full force and virtue.

IN WITNESS WHEREOF, We have hereunto set our hands and seals on this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_

Correspondence or claims relating to this bond should be sent to the surety at the following address:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Contractor

\_\_\_\_\_  
\_\_\_\_\_

Name of Surety (SEAL)

\_\_\_\_\_  
\_\_\_\_\_

By: Attorney-in-Fact

NOTE: Signatures of those executing for the surety must be properly acknowledged.

CERTIFICATE OF ACKNOWLEDGEMENT

State of California, City / County of \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_ in the year 20\_\_ before me \_\_\_\_\_, a notary public in and for the City / County of \_\_\_\_\_

\_\_\_\_\_, a personally appeared

\_\_\_\_\_ known to me to be the person whose name is subscribed to this

*Attorney-in-fact*

instrument and known to me to be the attorney-in-fact of \_\_\_\_\_ and acknowledged to me that he/she subscribed the name of the said company thereto as surety, and his/her own name as attorney-in-fact.

\_\_\_\_\_  
(SEAL) Notary Public



*CITY OF HUGHSON  
COMMUNITY DEVELOPMENT DEPARTMENT*

## **PART II: NOTICE TO BIDDERS & SPECIAL PROVISIONS**

FOR  
WELL 8 TCP MITIGATION PROJECT

BID OPENING- **TBD**, IMMEDIATELY AFTER **TBD**.

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For use in Connection with federally funded Local Assistance construction projects administered under the Standard Specifications Dated 2018 and Standard Plans Dated 2018 of the California Department of Transportation; and the Labor Surcharge and Equipment Rental Rates in effect on the date the work is accomplished; and the City of Hughson Improvement Standards dated October 10, 2007, insofar as the same may apply and in accordance with the Special Provisions.

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## **DOCUMENT ORGANIZATION**

STANDARD PLANS LIST

NOTICE TO BIDDERS

SPECIAL PROVISIONS

ORGANIZATION

DIVISION I GENERAL PROVISIONS

1. GENERAL
2. BIDDING
3. CONTRACT AWARD AND EXECUTION
4. SCOPE OF WORK
5. CONTROL OF WORK
6. CONTROL OF MATERIALS
7. LEGAL RELATIONS AND RESPONSIBILITY TO THE PUBLIC
8. PROSECUTION AND PROGRESS
9. PAYMENT

## CALTRANS 2018 STANDARD PLANS LIST

The standard plan sheets applicable to this Contract include those listed below. The applicable revised standard plans (RSPs) listed below are included in the project plans.

### ABBREVIATIONS, LINES, SYMBOLS AND LEGEND

|          |                                  |
|----------|----------------------------------|
| A10A     | Abbreviations (Sheet 1 of 2)     |
| RSP A10B | Abbreviations (Sheet 2 of 2)     |
| A10C     | Lines and Symbols (Sheet 1 of 3) |
| A10D     | Lines and Symbols (Sheet 2 of 3) |
| A10E     | Lines and Symbols (Sheet 3 of 3) |

### PAVEMENT MARKERS, TRAFFIC LINES, AND PAVEMENT MARKINGS

|           |   |
|-----------|---|
| A2.0A     | Pavement Markers and Traffic Lines, Typical Details |
| A2.0B     | Pavement Markers and Traffic Lines, Typical Details |
| RSP A20C  | Pavement Markers and Traffic Lines, Typical Details |
| A2.0D     | Pavement Markers and Traffic Lines, Typical Details |
| RSP A2.4A | Pavement Markings - Arrows                          |
| A2.4B     | Pavement Markings - Arrows and Symbols              |
| RSP A2.4C | Pavement Markings - Symbols and Numerals            |
| A2.4D     | Pavement Markings- Words                            |
| RSP A2.4E | Pavement Markings- Words, Limit and Yield Lines     |
| RSP A24F  | Pavement Markings- Crosswalks                       |

### CURBS, DRIVEWAYS, DIKES, CURB RAMPS AND ACCESSIBLE PARKING

|         |   |
|---------|---|
| RSPA87A | Curbs and Driveways                     |
| RSPA87B | Hot Mix Asphalt Dikes                   |
| RSPABBA | Curb Ramp Details                       |
| RSPABBB | Curb Ramp and Island Passageway Details |

### TEMPORARY WATER POLLUTION CONTROL Temporary Water

|     |   |
|-----|---|
| T51 | Pollution Control Details (Temporary Silt Fence)                                |
| T56 | Temporary Water Pollution Control Details (Temporary Fiber Roll)                |
| T61 | Temporary Water Pollution Control Details (Temporary Drainage Inlet Protection) |
| T62 | Temporary Water Pollution Control Details (Temporary Drainage Inlet Protection) |
| T63 | Temporary Water Pollution Control Details (Temporary Drainage Inlet Protection) |
| T64 | Temporary Water Pollution Control Details (Temporary Drainage Inlet Protection) |

CITY OF HUGHSON  
COMMUNITY DEVELOPMENT DEPARTMENT

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## NOTICE TO BIDDERS

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Sealed bids will be received at the Office of the City Clerk of the City of Hughson, in City Hall, 7018 Pine Street, Hughson, CA 95326 until **TBD** on **TBD**, for **WELL 8 TCP MITIGATION PROJECT**, at which time they will be publicly opened and read.

The work generally consists of, but is not limited to the following: demolition, clearing, grubbing, drainage improvements, concrete flatwork, roadway excavation and grading, roadway paving, and striping. The contractor shall include in his bid to provide all labor, tools and materials for a complete project in conformance with the intent shown on the drawings and specified herein.

**Procurement of Plans and Special Provisions:** The contract documents are entitled **WELL 8 TCP MITIGATION PROJECT**. All contract documents, plans, and specifications must be obtained electronically from the City of Hughson's **XXXXXXXX**, (Contact: **XXXXX (XXX)xxx-xxxx**). Plans and specifications will be available for electronic download at no cost. Contact **XXXXX** at **XXXXXXXXX.com** for access to electronic documents. Upon contacting, **XXXXX** will add the contractor to the Registered Plan Holders List. Only registered plan holders will be permitted to submit a bid for the project.

Plans and special conditions are based on the use of the 2018 Caltrans Standard Specifications and all supplements.

**Bid Bond:** Bids, accompanied by a cash deposit or a certified check or a bid bond payable to the City of Hughson in the amount of ten percent (10%) of the total amount of the bid, must be in the hands of Community Development Director, City Hall, 7018 Pine Street, Hughson, CA 95326, prior to the hour advertised for the opening of bids. All bids will be opened at the noticed hour.

**Pre-Bid Meeting:** A non-mandatory pre-bid meeting is scheduled for **TBD**, location will be the Well 8 Project Site in Hughson, CA 95326.

**Required Contractor's License(s):** Under Public Contract Code section 3300 and Business and Professions Code section 7028.15(e), the City of Hughson requires that the contractor possess a valid **Class A** contractor's license at the time that the contract is awarded. Failure to possess the specified license will render the bid non-responsive and will bar the award of the contract to any bidder not possessing such license at the time of the award.

**Required Contractor and Subcontractor DIR Registration:** The City of Hughson will accept bids only from bidders that (along with all subcontractors listed) are currently registered and qualified to perform public work pursuant to Labor Code section 1725.5; provided, however, that if a bidder is a joint venture (Business & Professions Code § 7029.1) then City of Hughson may accept a non-complying bid provided that the bidder and all listed subcontractors are registered at the time the contract is awarded. Please provide a State issued Department of Industrial Relations (DIR) registration number with the bid proposal. Information on registration with the DIR is available at: <https://efiling.dir.ca.gov/PWCR>. This is a separate requirement from the Contractors State License Board licensing requirement.

**Form of Bid:** Each bid must be submitted on the Bid Proposal and bid forms furnished by the City of Hughson, and each bid must include all the items shown on these forms. Substitute forms may be used if specified in this Notice. All bids must be submitted in conformance with this Notice and with the instructions contained in Caltrans Standard Specifications for Construction, which by this reference is made a part of the Notice Inviting Bids.

**Substitution of Securities:** In accordance with Public Contract Code section 22300, substitution of eligible and equivalent securities for any moneys withheld to ensure performance under the contract for the work to be performed will be permitted at the request and expense of the successful bidder. Such equivalent securities must be deposited with City of Hughson or with a state or federally chartered bank as the escrow agent who will then pay such moneys to the contractor. Upon satisfactory completion of the contract, the securities will be returned to the contractor. Securities eligible for investment include those listed in Government Code section 16430, bank or savings and loan certificates of deposit, interest bearing demand deposit accounts, standby letters of credit, or any other security mutually agreed to by the contractor and City of Hughson. The contractor will be the beneficial owner of any securities used to secure its performance. Any escrow agreement will be substantially similar to the form set forth in Public Contract Code section 22300.

**Labor Code Compliance:** Any contract entered into pursuant to this Notice will incorporate the applicable provisions of the California Labor Code.

**Prevailing Wage Laws:** The successful bidder must comply with all prevailing wage laws applicable to the project, and related requirements contained in the contract documents. Copies of the general prevailing rates of per diem wages for each craft, classification, or type of worker needed to execute the contract, as determined by Director of the State of California Department of Industrial Relations, are on file at the City of Hughson, and may be obtained from the DIR website: <http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>. Upon request, City of Hughson will make available copies to any interested party. Also, the successful bidder must post the applicable prevailing wage rates at the work site.

**Payroll Records and Prevailing Wage Monitoring:** This project is subject to prevailing wage compliance monitoring and enforcement by the Department of Industrial Relations. (Labor Code § 1771.4.). Each contractor and subcontractor must keep an accurate payroll record, showing the name, address, social security number, work classification, straight time and overtime hours worked each day and week, and actual per diem wages paid to each journeyman, apprentice, worker, or other employee employed by the contractor or subcontractor in connection with the public work. These records must be certified and made available for inspection at all reasonable hours at the principal place of the contractor as required by Labor Code section 1776. In the case of state-funded public works projects, certified payroll reports must be provided to City of Hughson on a weekly basis.

**Reservation of Rights:** The City Board reserves the right to reject any or all bids, waive any irregularities in the bids, and to make an award or any rejection in what it alone considers to be in the best interest of the City.

**Bid Protest Procedure:** Any bid protest must be in writing and received by City at 7018 Pine Street, Hughson California, before 5:00 p.m. no later than two working days following bid opening (the "Bid Protest Deadline") and must strictly comply with the requirements set forth in this Bid Protest Procedure.

1. **General.** Only a bidder who has actually submitted a responsive bid proposal is eligible to submit a bid protest against another bidder. Subcontractors are not

eligible to submit bid protests. A bidder may not rely on the bid protest submitted by another bidder, but must timely pursue its own protest.

2. **Protest Contents.** The bid protest must contain a complete statement of the basis for the protest and all supporting documentation. Material submitted after the Bid Protest Deadline will not be considered. The protest must refer to the specific portion or portions of the Bid Form, Contract Documents, or bidding documents upon which the protest is based. The protest must include the name, address, email address, and telephone number of the person representing the protesting bidder if different from the protesting bidder.
3. **Copy to Protested Bidder.** A copy of the protest and all supporting documents must be concurrently transmitted by fax or by email, by or before the Bid Protest Deadline, to the protested bidder and any other bidder who has a reasonable prospect of receiving an award depending upon the outcome of the protest.
4. **Response to Protest.** The protested bidder may submit a written response to the protest, provided the response is received by City before 5:00 p.m., within two working days after the Bid Protest Deadline or after actual receipt of the bid protest, whichever is sooner (the "Response Deadline"). The response must include all supporting documentation. Material submitted after the Response Deadline will not be considered. The response must include the name, address, email address, and telephone number of the person representing the protested bidder if different from the protested bidder.
5. **Copy to Protesting Bidder.** A copy of the response and all supporting documents must be concurrently transmitted by fax or by email, by or before the Response Deadline, to the protesting bidder and any other bidder who has a reasonable prospect of receiving an award depending upon the outcome of the protest.
6. **City's Decision.** The scope of the bid protest considered by the City shall be limited to the issues set forth in the bid protest timely filed pursuant to this Policy. The City may take any action on the bid protest that is authorized by law, including adoption of City staff's recommended determination of the bid protest, adoption of a determination different from that recommended by City staff, or the rejection of all bids without deciding the bid protest. The decision of the City on a bid protest shall be the final administrative action on the protest and shall exhaust the protesting bidder's administrative remedies.
7. **Exclusive Remedy.** The procedure and time limits set forth in this Bid Protest Procedure are mandatory and are the bidder's sole and exclusive remedy in the event of bid protest. A bidder's failure to comply with these procedures will

constitute a waiver of any right to further pursue a bid protest, including filing a Government Code Claim or initiation of legal proceedings.

8. **Right to Award.** The City Council reserves the right to award the Contract to the bidder it has determined to be the responsible bidder submitting the lowest responsive bid, and to issue a notice to proceed with the Work notwithstanding any pending or continuing challenge to its determination.
9. **Rejection of All Bids.** The filing of a bid protest shall not preclude the City from rejecting all bids. Rejecting all bids shall render a protest moot and terminate all protest proceedings.

The Number of Working Days for this project is **120**. Bids are required for the entire work described herein

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Date

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Ashton Gose  
City Clerk  
City of Hughson

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**CITY OF HUGHSON COMMUNITY  
DEVELOPMENT DEPARTMENT**

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**SPECIAL PROVISIONS**

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**ORGANIZATION**

Special provisions are under headings that correspond with the main-section headings of the *Standard Specifications*. A main-section heading is a heading shown in the table of contents of the *Standard Specifications*.

Each special provision begins with a revision clause that describes or introduces a revision to the *Standard Specifications* as revised by any revised standard specification.

Any paragraph added or deleted by a revision clause does not change the paragraph numbering of the *Standard Specifications* for any other reference to a paragraph of the *Standard Specifications*.

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## DIVISION I GENERAL PROVISIONS

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### 1 GENERAL

- **Add to section 1-1.05:**

Whenever in the Standard Specifications, Special Provisions, Notice to Contractor, Proposal, Contract, or other contract documents the following terms are used, the intent and meaning shall be interpreted as follows:

|            |   |
|------------|---|
| State      | City of Hughson   |
| Department | City of Hughson   |
| Director   | City Council, City of Hughson   |
| Engineer   | City Engineer, City of Hughson, acting either directly or through properly authorized agent or consultants. |
| City       | The Community Development Department, City of Hughson   |

- **Add to Section 1-1.01**

The following abbreviations apply to this list:

City denotes City of Hughson Improvement Standards

SP denotes Project Special Provisions





### **5-1.26A (2)**

#### **Definitions**

You must follow all procedures, methods, and typical stake markings under Chapter 12, Construction Surveys, of the Caltrans publication "Surveys Manual." Copies of the "Survey Manual" may be purchased from Caltrans Publications Unit 1900 Royal Oaks Drive, Sacramento, California 95815, (916) 445-3520.

### **5-1.26A (3)**

#### **Submittals**

You must submit all computations necessary to establish the exact position of the work from the control points on the plans. All computations, survey notes, and other records necessary to accomplish the work must be neat, legible, and accurate. Copies of such computation, notes and other records must be furnished to the Engineer prior to beginning work that requires their use. Upon completion of construction staking and prior to acceptance of the contract, all computations, survey notes, and other data used to accomplish the work must be submitted to the Engineer and will become the property of the City.

Before starting any surveying work, you must submit the name and professional history of the land surveyor designated by you as its project surveyor.

### **5-1.26B MATERIALS**

Not used.

### **5-1.26C CONSTRUCTION**

Construction stakes and marks (including paint marks) must be removed from the site of work when no longer needed.

You are responsible for generating the grades for the work as required for the completion of this work.

You are responsible for the preservation of all Survey Monuments within the project limits. Any Survey Monuments that potentially may be disturbed by construction activity must be located and referenced by a Licensed Land Surveyor, and a Corner Record or Record of Survey filed with the County Surveyor. Any Survey Monuments disturbed during the course of construction must be reestablished by a Licensed Land Surveyor, a new monument set, and another Corner Record or Record of Survey filed with the County Surveyor. (Land Surveyors' Act Section 8771).

### **5-1.26D PAYMENT**

The Department pays you for construction staking as follows:

1. A total of 90 percent of the item total over the life of the contract
2. A total of 100 percent of the item upon submission of final computations, notes and other data.

- **Delete paragraphs 2 through 5 of Section 5-1.27E.**
- **Delete Section 5-1.43E**





## **DIVISION II GENERAL CONSTRUCTION CONSTRUCTION SPECIAL PROVISIONS**

### **STANDARD SPECIFICATIONS AND STANDARD PLANS**

Where the term "Standard Specifications" is used, it refers to the Standard Specifications of the California Department of Transportation, 2018 edition. "Standard Plans" means the Standard Plans of the same Agency, 2018 edition.

### **REVISED STANDARD SPECIFICATIONS**

Revised Standard Specifications set forth in these special provisions shall be considered as part of the Standard Specifications for the purposes set forth in Section 5-1.02, "Contract Components," of the Standard Specifications. Whenever either the term "Standard Specifications is amended" or the term "Standard Specifications are amended" is used in the special provisions, the text or table following the term shall be considered an amendment to the Standard Specifications. In case of conflict between such amendments and the Standard Specifications, the amendments shall take precedence over and be used in lieu of the conflicting portions.

A copy of the current amendments is available at

<http://ppmoe.dot.ca.gov/hq/esc/oe/construction%20contract%20standards/std%20specs/2018%20StdSpecs/2018> Std Specs.pdf. Or by contacting the City of Hughson.

### **SECTION 9. (BLANK)**

### **SECTION 10. CONSTRUCTION DETAILS**

#### **10-1.01 GENERAL**

The Contractor's attention is directed to Section 5-1.36, "Property and Facility Preservation," of the Standard Specifications and these Special Provisions.

The Contractor will be required to work around public utility facilities and other improvements that are to remain in place within the construction area or that are to be relocated and relocation operations have not been completed, and in accordance with the provisions of Sections 5-1.36 and 7-1.02 of the Standard Specifications, he will be liable to owners of such facilities and improvements for any damage or interference with service resulting from his/her operations. The Contractor shall ascertain the exact locations of underground facilities and improvements within the construction area before using equipment that may damage such facilities or interfere with the services. Other forces may be engaged in moving or removing utility facilities or other improvements or maintaining services of utilities and the Contractor shall cooperate with such forces and conduct his/her operations in such a manner as to avoid any unnecessary delay or hindrance to the work being performed by such other forces.

The Contractor is required to notify all property owners, businesses, residences, etc. in letter form in both English and Spanish of the construction dates and times, at least 5 days prior to the beginning of work. This public notification must be submitted to the City and Engineer for review and approval prior to distribution. A copy of this notification letter must also be sent to the City Engineer. Contractor shall also post "Temporary No Parking" signs, a minimum of 72 hours prior to the commencing removals, cold milling, and paving operations of the street adjacent to their property. The notification shall be by posting visible signs at the edge of the curbs and gutters. The signs which will be posted must be on their own lath or attached to delineator cones, or pylons, and not stapled or nailed to any tree, utility pole or street signs. Trees must be protected from being scarred or broken during construction and must be repaired or replaced at Contractor's expense if damage is done.

In the event that vehicles are on the street at the time construction is to begin, the contractor shall take appropriate action to notify the owner/s of said vehicle to have it moved. If this is not possible, or the vehicle is inoperable and the owner is not capable of moving the vehicle, the contractor shall inform the Project Engineer, who will notify the County Sheriff's Office to have the vehicle towed at the owner's expense. Note: The above action may take place only if the "Temporary No Parking" signs have been in place, and placement has been verified by the Project Engineer, for the required 48 hour time period. Removal of said signs by the property owners or vandals will not constitute Non-compliance with this section.

The Contractor will be held responsible for any damage he may do to existing installations that are to remain in place.

The Contractor shall ensure that all striping and road markings are repainted as specified on the PLANS.

All property to remain shall be properly protected from injury or damage. Should any such property be damaged, it shall be repaired and/or replaced with material, fixtures, or equipment of the same kind, quality and size or better.

Full compensation for performing all of the work required under these Special Provisions shall be considered as included in the prices paid for the various Contract items of work involved and no separate payment will be made therefore

#### **10-1.02 ORDER OF WORK**

Order of work shall conform to the provisions in Section 5, "Control of Work," of the Standard Specifications and these special provisions.

The Contractor shall phase the work according to the following:

- 1) Per the Plans and Technical Specifications

### **10-1.03 MOBILIZATION/DE-MOBILIZATION**

The scope of the work for Mobilization shall include moving onto the site of all equipment; and the furnishing and erecting of plants, temporary buildings, and other construction facilities; all as required for the proper performance and completion of the Work. Mobilization shall include, but not be limited to, the following principal items:

1. Moving on to the site of all Contractor's equipment required for first month's operations.
2. Installing temporary construction power, wiring, and lighting facilities per Section entitled "Temporary Utilities."
3. Establishing fire protection system per Section entitled "Temporary Utilities."
4. Developing and installing construction water supply per Section entitled "Temporary Utilities."
5. Providing on-site sanitary facilities and potable water facilities as specified per Section entitled "Temporary Utilities."
6. Furnishing, installing, and maintaining all storage buildings or sheds required for temporary storage of products, equipment, or materials that have not yet been installed in the Work. All such storage shall meet manufacturer's specified storage requirements, and the specific provisions of the specifications, including temperature and humidity control, if recommended by the manufacturer, and for all security per Section entitled "Materials and Equipment," and Section entitled "Delivery, Storage, and Handling," as applicable.
7. Arranging for and erection of Contractor's work and storage yard per Section entitled "Site Access and Parking."
8. Obtaining and paying for all required permits.
9. Posting all OSHA required notices and establishment of safety programs.
10. Coordination with utility agencies.
11. Have the Contractor's superintendent at the job site full time.
12. Submittal of required Construction Schedule as specified in Section entitled "Contractor Submittals."

In addition to the requirements specified above, all submittals shall conform to the applicable requirements of Section entitled "Contractor Submittals."

De-mobilization shall consist of the completion of all final construction and administration work required to secure the project for termination and acceptance by the Engineer, including but not limited to the following:

1. Removal of all temporary facilities, construction office, temporary utilities, plant, equipment, and similar from project limits and adjacent property, as required and as directed by the Engineer.
2. Completion of record drawings (as-builts), to the satisfaction of the Engineer.
3. Completion of the requirements of permits issued by other agencies.
4. Submission of signed 1-year material and workmanship guarantee.
5. Satisfactory completion of all other contractually and legally required construction and administrative items of work.

De-mobilization shall include the satisfactory completion of all items of work, but shall not be

constructed as being a separate payment for work that is paid under separate contract items. The contract item for De-Mobilization is intended for proper close-out activities.

**Mobilization bid cost is not to exceed 10% of the total bid.**

Measurement for payment for Mobilization/De-mobilization will be based upon completion of such work as a lump sum pay item and shall require completion of all the listed items in this Section.

Payment for Mobilization/De-mobilization will be made at the lump sum allowance named in the Bid Sheets, which price shall constitute full compensation for all such work.

Payment for Mobilization will be made in the form of a single, lump sum equal to 50% of the contract lump sum price for Mobilization/De-mobilization, no part of which will be approved for payment under the Contract until all mobilization items listed herein have been completed as specified.

Payment for De-mobilization will be made in the form of a single, lump sum equal to 50% of the contract lump sum price for Mobilization/De-mobilization, no part of which will be approved for payment under the Contract until all de-mobilization items listed herein have been completed as specified. Payment for De-Mobilization will be included in the final pay estimate and payment.

**10-1.04 NOT USED**

**10-1.05 CONTRACTOR SUBMITTALS**

**GENERAL**

Wherever submittals are required hereunder, all such submittals by the Contractor shall be submitted to the Engineer through the Resident Project Representative for recording and forwarding to the Engineer. A Submittal is defined as any drawing, calculation, specification, product data, samples, manuals, requests for substitutes, spare parts, photographs, survey data, traffic control plans, record drawings, bonds, or similar items required to be submitted to the City or the Engineer under the terms of the contract.

Submittals Required Within 7 Days After Notice to Proceed: Within 7 days after the date of commencement as stated in the Notice to Proceed, the Contractor shall submit the following items to the Engineer for review:

1. A Preliminary Construction Schedule indicating the starting and completion dates of the various stages of the Work, and in accordance the Contract Documents.
2. A preliminary schedule of Shop Drawing and Sample submittals.
3. A list of all permits and licenses the Contractor shall be obtained indicating the agency required to grant the permit and the expected date of submittal for the permit and required date for receipt of the permit.

Submittals of Substitutes Required Prior to Award As provided under Section 3400 of the California Public Contracts Code, the Contractor shall, within 10 days prior to award of the contract,

submit to the Engineer all proposed Substitutes or "Or Equal" products for the Engineer's review and approval. All such submittals shall be in conformance with the requirements of this Section.

The Contractor hereby agrees that failure to submit alternative product requests within the stipulated time period shall act as a waiver of any future rights to offer such substitutes, and the Contractor hereby agrees to provide one of the specific products called for in the Contract Documents.

## **CONTRACTOR'S SCHEDULE**

Time of Submittals: Within 7 days of the commencement date stated in the Notice to Proceed, the Contractor shall submit for acceptance by the Engineer, a Preliminary Construction Schedule for the Work, showing its general plan for orderly completion of the Work and showing in detail its planned mobilization of equipment, sequence of early operations, and timing of procurement of materials and equipment. The Preliminary Construction Schedule produced and submitted shall indicate a project completion date on or before the contract completion date. The Engineer within 7 days after receipt of the Preliminary Construction Schedule, shall meet with a representative of the Contractor to review the preliminary plan and construction schedule.

Within 7 days after the conclusion of the Engineer's review period, the Contractor shall revise the Preliminary Construction Schedule as required, and resubmit to the Engineer for review. The Preliminary Construction Schedule will be revised and/or approved or rejected by the Engineer within 7 calendar days after receipt. Said schedule, when accepted by the Engineer shall constitute the Initial Construction Schedule until later revised schedules are submitted due to delays beyond the control and without the fault or negligence of the Contractor.

Acceptance: When the Initial Construction Schedule has been accepted, the Contractor shall submit to the Engineer 4 copies of the accepted schedule.

Schedule Updates with Progress Payment Applications: The Contractor shall submit updated construction schedules with each payment application.

Additional Revised Construction Schedules: The Contractor, if requested by the Engineer, shall provide a Revised Construction Schedule if, at any time, the Engineer considers the completion date to be in jeopardy because of any portion of the work falling behind schedule. The Revised Construction Schedule shall show how the Contractor intends to accomplish the Work to meet the completion date. The form and method employed by the Contractor shall be the same as required for the Initial Construction Schedule.

Construction Schedule Revisions: The Contractor shall modify any portions of the construction schedule that becomes unfeasible because of portions of the Work falling behind schedule, or for any other valid reason. Any portion of the work that cannot be completed by its originally-scheduled completion date shall be deemed to be behind schedule.

## **PROPOSED SUBSTITUTES OR "OR-EQUAL" ITEMS**

For convenience in designation in the Contract Documents, any material, product, or equipment to be incorporated in the Work may be designated under a brand or trade name or the name of a

manufacturer and its catalog information. The use of any substitute material, product, or equipment which is equal in quality and utility and possesses the required characteristics for the purpose intended will be permitted, subject to the following requirements:

1. The burden of proof as to the quality and utility of any such substitute material, product, or equipment shall be upon the Contractor.
2. The Engineer will be the sole judge as to the quality and utility of any such substitute material, product, or equipment and its decision shall be final.

Wherever in the Contract Documents the name or the name and address of a manufacturer or supplier is given for a material, product, or equipment, or if any other source of a material, product, or equipment is indicated therefore, such information is given for the convenience of the Contractor only, and no limit, restriction, or direction is indicated or intended thereby, nor is the accuracy or reliability of such information guaranteed. It shall be the responsibility of the Contractor to determine the accurate identity and location of any such manufacturer, supplier, or other source of any material, product, or equipment called for in the Contract Documents.

The Contractor may offer any material, product, or equipment that it considers equal to those specified. Unless otherwise provided by law or authorized in writing by the Engineer, the substantiation of any proposed substitute or "or equal" material, product, or equipment must be submitted prior to award of the contract. The Contractor, at its sole expense, shall furnish data concerning items it has offered as substitute or "or equal" to those specified. The Contractor shall provide the data required by the Engineer to determine that the quality, strength, physical, chemical, or other characteristics, including durability, finish, efficiency, dimensions, service, and suitability are such that the substitute or "or equal" item will fulfill its intended function.

The Contractor's attention is further directed to the requirement that its failure to submit data substantiating a request for a substitution of an "or equal" item during the time between the opening of bids and the date of award shall be deemed to mean that the Contractor intends to furnish one of the specific brand or trade-named material, product, or equipment specified in the Contract Documents and the Contractor does hereby waive all rights to offer or use substitute materials, products, or equipment in each such case. Wherever a proposed substitute material, product, or equipment has not been submitted within the time specified above, or wherever the submission of a proposed substitute material, product, or equipment fails to meet the requirements of the Specifications and an acceptable resubmittal is not received by the Engineer within said specified time period, the Contractor shall furnish only one of the materials, products, or equipment originally-named in the Contract Documents. Approval by the Engineer of a substitute item proposed by the Contractor shall not relieve Contractor of the responsibility for full compliance with the Contract Documents and for adequacy of the substituted item. The Contractor shall also be responsible for resultant changes and all additional costs which the substitution requires in its work, the work of its subcontractors and of other contractors and shall effect such changes without cost to City.

## **RECORD DRAWINGS**

General: The Contractor shall keep and maintain, at the job site, one record set of Contract Drawings. On these Contract Drawings, Contractor shall mark all project conditions, locations,

configurations, and any other changes or deviations which may vary from the details represented on the original Contract Drawings, including buried or concealed construction and utility features which are revealed during the course of construction.

Special attention shall be given to recording the horizontal and vertical location of all buried utilities that differ from the locations indicated, or which were not indicated on the Contract Drawings. Said Record Drawings shall be supplemented by any detailed sketches as necessary or directed to fully indicate the Work as actually constructed.

These master Record Drawings of the Contractor's representation of "as-built" conditions, including all revisions made necessary by addenda, change orders, and the like, shall be maintained up-to-date during the progress of the Work.

In the case of those drawings which depict the detail requirement for equipment to be assembled and wired in the factory, the record drawings shall be updated by indicating those portions which are superseded by change order drawings or final shop drawings, and by including appropriate reference information describing the change orders by number and the shop drawings by manufacturer, drawing, and revision numbers.

Record Drawings prepared by the Contractor shall be accessible to the Engineer at all times during the construction period and shall be delivered to the Engineer upon completion of the work.

Effect on Progress Payments: Requests for partial payments will not be approved if the record drawings are not kept current. All such Record Drawings will be inspected by the Engineer each month, showing all variations between the Work as actually constructed and as originally shown on the Contract Drawings or other Contract Documents, and the City will not process monthly payment requests until such drawings are made current each month.

Final Record Drawings: Upon substantial completion of the Work and prior to final acceptance by the City, the Contractor shall complete and deliver the completed set of Record Drawings to the Engineer for transmittal to the City, conforming to the construction records of the Contractor. This set of drawings shall consist of corrected plans showing the reported location of the Work. The information submitted by the Contractor and incorporated by the Engineer into the Record Drawings will be assumed to be reliable, and the Engineer will not be responsible for the accuracy of such information, or for any errors or omissions, which may appear on the Record Drawings as a result.

Effect on Final Payment: Final payment will not be approved until the Contractor-prepared Final Record Drawings have been delivered to the Engineer. Said up-to-date, Record Drawings may be in the form of a set of prints with carefully plotted information overlaid in pencil.

Full compensation for Contractor Submittals shall be considered as included in the prices paid for the various items of work and no separate payment will be made therefore.

#### **10-1.06 MATERIALS AND EQUIPMENT**

The word "Products," as used herein, is defined to include purchased items for incorporation into the Work, regardless of whether specifically purchased for project or taken from Contractor's stock

of previously purchased products. The word "Materials," is defined as products which must be substantially cut, shaped, worked, mixed, finished, refined, or otherwise fabricated, processed, installed, or applied to form units of work. The word "Equipment" is defined as products with operational parts, regardless of whether motorized or manually operated, and particularly including products with service connections (wiring, piping, etc.). Definitions in this paragraph are not intended to negate the meaning of other terms used in Contract Documents, including "specialties," "systems," "structure," "finishes," "accessories," "furnishings," "special construction," and similar terms, which are self-explanatory and have recognized meanings in the construction industry.

Source Limitations: To the greatest extent possible for each unit of work, the Contractor shall provide products, materials, or equipment of a singular generic kind from a single source.

Compatibility of Options: Where more than one choice is available as options for Contractor's selection of a product, material, or equipment, the Contractor shall select an option which is compatible with other products, materials, or equipment already selected. Compatibility is a basic general requirement of product/material selections.

All equipment designated to be installed in the Work, whether temporarily stored at the site or installed in place, shall be serviced on a regularly scheduled basis, and a written log of services shall be maintained and submitted as a record document to the Engineer.

Full compensation for Materials and Equipment shall be considered as included in the prices paid for the various items of work and no separate payment will be made therefore.

#### **10-1.07 DELIVERY, STORAGE, AND HANDLING**

The Contractor shall confine all operations (including storage of materials) on City premises to areas authorized or approved by the City. The Contractor shall hold and save the City, its officers and agents, free and harmless from liability of any nature occasioned by the Contractor's performance.

Temporary buildings (e.g., storage sheds, shops, offices) and utilities may be erected by the Contractor only with the approval of the City and shall be built with labor and materials furnished by the Contractor without expense to the City. The temporary buildings and utilities shall remain the property of the Contractor and shall be removed by the Contractor at its expense upon completion of the Work. With the written consent of the Engineer, the buildings and utilities may be abandoned and need not be removed.

The Contractor shall make its own arrangements for any necessary off-site storage or shop areas necessary for the proper execution of the Work.

The Contractor shall deliver, handle, and store products in accordance with manufacturer's written recommendations and by methods and means that will prevent damage, deterioration, and loss including theft. Delivery schedules shall be controlled to minimize long-term storage of products at site and overcrowding of construction spaces. In particular, the Contractor shall provide delivery/installation coordination to ensure minimum holding or storage times for products recognized to be flammable, hazardous, easily damaged, or sensitive to deterioration, theft, and other sources of loss.

Products shall be transported by methods to avoid product damage and shall be delivered in undamaged condition in manufacturer's dry, unopened containers or packaging.

The Contractor shall provide equipment and personnel to handle products, materials, and equipment including those provided by City by methods to prevent soiling and damage.

The Contractor shall provide additional protection during handling to prevent marring and otherwise damaging products, packaging, and surrounding surfaces.

Products shall be stored in accordance with manufacturer's written instructions, with seals and labels intact and legible. Sensitive products shall be stored in weather-tight enclosures and temperature and humidity ranges shall be maintained within those required by the manufacturer's written instructions.

Storage shall be arranged to provide access for inspection. The Contractor shall periodically inspect to assure products are undamaged and are maintained under required conditions.

Products subject to discoloration or deterioration from exposure to the elements shall be covered with impervious sheet material. Ventilation shall be provided to avoid condensation.

Loose granular materials shall be stored on clean, solid surfaces such as pavement, or on rigid sheet materials to prevent mixing with foreign matter.

Surface drainage shall be provided to prevent erosion and ponding of water.

Full compensation for Delivery, Storage, and Handling shall be considered as included in the prices paid for the various items of work and no separate payment will be made therefore.

#### **10-1.08 COOPERATION**

It is anticipated that work by another various utility owners will need to be conducted in coordination with the construction of the designation improvement to adjust existing manholes and valve covers to new grades. The contractor shall furnish access and coordinate construction operations to accommodate this work.

It shall be the responsibility of the contractor to work with the local utility companies to locate all underground utility service lines within the project limits prior to any excavation work. The Contractors attention is directed to the Section entitled "Compliance With One Call Underground Service Alert," elsewhere in these Specifications

**[Underground Service Alert-Northern California \(USA\)](#)**  
**[Telephone: 1 \(800\) 422-4133 or 1 \(800\) 227-2600](#)**

Comply with Section 5-1.20, "Coordination with Other Entities," of the Standard Specifications.

Full compensation for Cooperation shall be considered as included in the prices paid for the various items of work and no separate payment will be made, therefore.

### **10-1.09 PROGRESS SCHEDULE (Not Used)**

### **10-1.10 TEMPORARY UTILITIES**

It shall be the Contractor's responsibility to provide equipment that is adequate for the performance of the Work under this Contract within the time specified. All equipment shall be kept in satisfactory operating condition, shall be capable of safely and efficiently performing required Work, and shall be subject to inspection and approval by the City's representative at any time within the duration of the Contract. All work hereunder shall conform to the applicable requirements of Cal-OSHA Construction Safety Orders.

All Work conducted at night or under conditions of deficient daylight when authorized by the Engineer, shall be suitably lighted to ensure proper Work and to afford adequate facilities for inspection and safe working conditions

All temporary connections for electricity shall be subject to approval of the Engineer and the power company representative and shall be removed in like manner at the Contractor's expense prior to final acceptance of the Work by the City.

Unless otherwise permitted by the Engineer, circuits separate from lighting circuits shall be used for all power purposes.

All wiring for temporary electric light and power shall be properly installed and maintained and shall be securely fastened in place.

Contractor shall be responsible for providing construction water. If the Contractor intends to use water from the Water Provider's fire hydrants, the Contractor will be required to apply for a water construction meter and pay for all charges required by the Water Provider. The Contractor shall provide all facilities necessary to convey the water from the water source to the points of use in accordance with the requirements of the Contract Documents.

The Contractor will be responsible for all water charges from the Water Provider's fire hydrants during construction.

The Contractor shall not make connection to, or draw water from, any fire hydrant or pipeline without first obtaining permission of the Water Provider for the use of said fire hydrant or pipeline. For each such connection made, the Contractor shall first attach to the fire hydrant or pipeline a valve and a meter of a size and type acceptable to the Water Provider. The Contractor shall contact the Water Provider for specific requirements for water usage and charges.

Contractor shall be solely responsible for the adequate functioning of its water supply system and shall be solely liable for any claims arising from the use of same, including discharge or waste of water therefrom.

Before final acceptance of the Work on the project, all temporary connections and piping installed by the Contractor shall be entirely removed, and all affected improvements shall be restored to their original condition, or better, to the satisfaction of Engineer, the City, and/or other agency

owning the affected utility.

Fixed or portable chemical toilets shall be provided wherever needed for the use of employees.

The Contractor shall establish a regular daily collection of all sanitary and organic wastes. All wastes and refuse from sanitary facilities provided by the Contractor or organic material wastes from any other source related to the Contractor's operations shall be disposed of away from the site in a manner satisfactory to the Engineer and in accordance with all laws and regulations pertaining thereto.

Full compensation for providing, maintaining, and removing Temporary Utilities shall be considered as included in the contract price paid for under the lump sum Contract bid item for Mobilization/De-Mobilization, and no separate payment will be made, therefore.

#### **10-1.11 NOT USED**

#### **10-1.12 DUST CONTROL**

Dust control shall conform to the provisions of Section 10-5, "Dust Control", of the Standard Specifications and these special Provisions.

Full compensation for dust control shall be considered as included in the prices paid for the various items of work and no separate payment will be made therefore.

#### **10-1.13 SITE ACCESS AND PARKING**

The Contractor shall take all necessary precautions for the protection of the Work and the safety of the public. All barricades and obstructions shall be illuminated at night, and all lights shall be kept burning from sunset until sunrise. The Contractor shall station such guards or flaggers and shall conform to such special safety regulations relating to traffic control as may be required by the public authorities within their respective jurisdictions. All signs, signals, and barricades shall conform to the requirements of Article 11 of Cal-OSHA Construction Safety Orders.

The Contractor shall make its own investigation of the condition of available public and private roads and of clearances, restrictions, bridge load limits, and other limitations affecting transportation and ingress and egress to and from the site of the Work. It shall be the Contractor's responsibility to construct and maintain any access or haul roads required for its construction operations.

Nothing herein shall be construed to entitle the Contractor to the exclusive use of any public street, alley, way, or parking area during the performance of the Work hereunder, and it shall so conduct its operations so as not to interfere unnecessarily with the authorized work of the City, utility companies, or other agencies in such streets, alleys, ways, or parking areas.

No street shall be closed to the public without first obtaining the permission of the Engineer, the

City, and other proper governmental authority, where applicable. Where excavation is being performed in primary streets or highways, one lane of traffic shall be kept open in each direction at all times unless otherwise provided in the Contract Documents or under the terms of the permits issued by the City, County, State, or other public agencies, as required.

Toe boards shall be provided to restrict movement of excavated material if required by the Engineer, the City, or other Agency having jurisdiction over the affected street or highway.

Fire hydrants on or adjacent to the Work shall be kept accessible to firefighting equipment at all times.

Temporary provisions shall be made by the Contractor to assure the use of sidewalks and the proper functioning of all gutters, sewer inlets, and other drainage facilities.

Wherever necessary or required for the convenience of the public or individual residents or business places at street or highway crossings, private driveways, or elsewhere, the Contractor shall provide suitable temporary bridges or steel plates over unfilled excavations, except in such cases as the Contractor shall secure the written consent of the individuals or authorities concerned to omit such temporary bridges or steel plates, which written consent shall be delivered to the Engineer prior to beginning the excavation. All such bridges or steel plates shall be maintained in service until access is provided across the backfilled excavation.

For the protection of traffic in public or private streets and ways, the Contractor shall provide, place, and maintain all necessary barricades, traffic cones, warning signs, lights, and other safety devices in accordance with the requirements of the current edition of California Manual of Uniform Traffic Control Devices as published by State of California, Department of Transportation. Traffic control shall be subject to the requirements of Article 11 of Cal-OSHA Construction Safety Orders and these Contract Documents.

If closure of any street is required during construction, a formal application for a street closure shall be made to the City at least 30 days prior to the required street closure in order for the City to determine the necessary signing and detour requirements to be provided by the Contractor.

Full compensation for site access and parking shall be considered as included in the contract price paid for under the lump sum Contract bid item for Mobilization/De-Mobilization, and no separate payment will be made therefore.

## **10-1.14 WATER POLLUTION CONTROL**

### **GENERAL**

#### **SUMMARY**

Contractor shall be responsible for preparation and implementation of a BMP (Best Management Practices) List, subject to approval by the City Engineer. The list shall include practices to protect areas receiving storm water runoff from the project site or construction support facilities. The plan may utilize the practices recommended in the latest California Storm Water Best Management Practices Construction Handbook available at [www.casqa.com](http://www.casqa.com).

## **SUBMITTALS**

If you operate construction support facilities, protect storm water systems or receiving waters from the discharge of potential pollutants by using WPC Best Management Practices (BMPs).

Construction support facilities include:

1. Staging areas
2. Storage yards for equipment and materials
3. Mobile operations
4. Batch plants for PCC and HMA
5. Crushing plants for rock and aggregate
6. Other facilities installed for your convenience such as haul roads

## **IMPLEMENTATION REQUIREMENTS**

### **BMP IMPLEMENTATION**

Monitor the National Weather Service Forecast Office on a daily basis.

Whenever you or the Engineer identifies a deficiency in the implementation of the approved BMP list:

1. Correct the deficiency immediately, unless the Engineer agrees to a later date for making the correction
2. Correct the deficiency before precipitation occurs

If you fail to correct the deficiency by the agreed date or before the onset of precipitation, the Department may correct the deficiency and deduct the cost of correcting the deficiency from payment.

Continue BMP implementation during any temporary suspension of work activities.

Install BMP practices within 15 days or before predicted precipitation, whichever occurs first.

### **INSPECTION**

The BMP Manager must prepare BMP status reports that include the following:

1. Location and quantity of installed BMP practices
2. Location and quantity of disturbed soil for the active or inactive areas

Within 24 hours of finishing the weekly inspection, the BMP Manager must submit:

1. Copy of the completed site inspection report
2. Copy of the BMP status report

### **PAYMENT**

Full compensation for water pollution control shall be considered as included in the prices paid for

the various items of work and no separate payment will be made, therefore.

#### **10-1.15 CONSTRUCTION AREA TRAFFIC CONTROL DEVICES**

Flagging, signs, and temporary traffic control devices furnished, installed, maintained, and removed when no longer required shall conform to the provisions of the latest edition of the California Manual of Uniform Traffic Control Devices (CAMUTCD) and these special provisions.

All traffic control devices including cones, barricades, signs, etc. shall be new or unblemished.

Category 1 temporary traffic control devices are defined as small and lightweight (less than 45 kg) devices. These devices shall be certified as crashworthy by crash testing, crash testing of similar devices, or years of demonstrable safe performance. Category 1 temporary traffic control devices include traffic cones, plastic drums, portable delineators, and channelizers.

If requested by the Engineer, the Contractor shall provide written self-certification for crashworthiness of Category 1 temporary traffic control devices at least 5 days before beginning any work using the devices or within 2 days after the request if the devices are already in use. Self-certification shall be provided by the manufacturer or Contractor and shall include the following:

- A. Date,
- B. Federal Aid number (if applicable),
- C. Contract number, City, county, route and kilometer post of project limits,
- D. Company name of certifying vendor, street address, city, state and zip code,
- E. Printed name, signature and title of certifying person; and
- F. Category 1 temporary traffic control devices that will be used on the project.

The Contractor may obtain a standard form for self-certification from the Engineer.

Category 2 temporary traffic control devices are defined as small and lightweight (less than 45 kg) devices that are not expected to produce significant vehicular velocity change, but may cause potential harm to impacting vehicles. Category 2 temporary traffic control devices include barricades and portable sign supports.

Category 2 temporary traffic control devices shall be on the Federal Highway Administration's (FHWA) list of Acceptable Crashworthy Category 2 Hardware for Work Zones.

Category 2 temporary traffic control devices that have not received FHWA acceptance shall not be used. Category 2 temporary traffic control devices in use that have received FHWA acceptance shall be labeled with the FHWA acceptance letter number and the name of the manufacturer. The label shall be readable and permanently affixed by the manufacturer. Category 2 temporary traffic control devices without a label shall not be used.

If requested by the Engineer, the Contractor shall provide a written list of Category 2 temporary traffic control devices to be used on the project at least 5 days before beginning any work using the devices or within 2 days after the request if the devices are already in use.

Full compensation for providing self-certification for crashworthiness of Category 1 temporary

traffic control devices and for providing a list of Category 2 temporary traffic control devices used on the project shall be considered as included in the contract price paid for Traffic Control Plan and Implementation System, and no additional compensation will be allowed therefore.

#### **10-1.16 TRAFFIC CONTROL PLAN AND IMPLEMENTATION**

**Please note that all Flagging Costs for Traffic Control will be paid solely by the Contractor and full compensation for performing this work will be paid under the lump sum bid item for TRAFFIC CONTROL PLAN AND IMPLEMENTATION and no additional compensation will be allowed therefore.**

#### **CONSTRUCTION AREA SIGNS**

Construction area signs for temporary traffic control shall be furnished, installed, maintained, and removed when no longer required in conformance with the provisions of California Manual of Uniform Traffic Control Devices (CAMUTCD) and these special provisions.

All construction area signs shall be new or unblemished.

One C18 sign and One C13 sign shall be posted on each approach/departure from the construction work area. Locations of the signs shall be approved by the Engineer.

Signs may be ported on temporary post supported by cross braces, rather than by digging holes for posts. Where such cross braces are used, no braces shall extend into the traveled way or a sidewalk.

Unless otherwise shown on the plans or specified in these special provisions, the color of construction area warning and guide signs shall have black legend and border on orange background, except W10-1 or W47(CA) (Highway-Rail Grade Crossing Advance Warning) sign shall have black legend and border on yellow background.

Orange background on construction area signs shall be fluorescent orange.

Repair to construction area sign panels will not be allowed, except when approved by the Engineer. At nighttime under vehicular headlight illumination, sign panels that exhibit irregular luminance, shadowing or dark blotches shall be immediately replaced at the Contractor's expense.

The Contractor shall notify the appropriate regional notification center for operations of subsurface installations at least 2 working days, but not more than 14 calendar days, prior to commencing any excavation for construction area sign posts. The regional notification centers include but are not limited to the following:

Underground Service Alert-

Northern California (USA)

Telephone: 1 (800) 227-2600

All excavation required to install construction area signs shall be performed by the hand methods without the use of power equipment; except that power equipment may be used if it is determined there are no utility facilities in the area of the proposed post holes.

The Contractor shall maintain accurate information on construction area signs. Signs that are no longer required shall be immediately covered or removed. Signs that convey inaccurate

information shall be immediately replaced or the information shall be corrected. Covers shall be replaced when they no longer cover the signs properly. The Contractor shall immediately restore to the original position and location any sign that is displaced or overturned, from any cause, during the progress of work.

Construction area signs shown on the plans, unless otherwise specified in the special provisions, will be paid for on a lump sum basis, which lump sum price shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in furnishing construction area signs required for the direction of public traffic through or around the work and for erecting or placing, maintaining (including covering and uncovering as needed) and, when no longer required, removing construction area signs at locations shown on the plans.

Full compensation for furnishing, erecting, maintaining and removing any additional construction area signs the Contractor may deem necessary will be considered as included in the **lump sum** price paid for **Traffic Control Plan and Implementation System** and no additional compensation will be allowed therefore.

#### **10-1.17 MAINTAINING TRAFFIC**

Attention is directed to Sections 7-1.03, "Public Convenience," 7-1.04, "Public Safety," and Section 12" Temporary Traffic Control," of the Standard Specifications and to the Section entitled, "Public Safety," elsewhere in these special provisions, and these special provisions. Nothing in these special provisions shall be construed as relieving the Contractor from his responsibility as provided in said Section 7-1.04.

The Contractor will not be allowed to close streets. One lane of through traffic shall be maintained at all times with appropriate Signage, Personnel and safety equipment to safely direct traffic through the construction area, unless the contractor submits to the City Engineer a proposed detour plan.

Detour plan shall meet the criteria for detour plans as shown in the latest edition of the California Department of Transportation Manual of Traffic Controls for Construction and Maintenance Zones. The City Engineer, and the Director of Public Works; shall approve Detour Plan, copies shall be sent to the Sheriff's Department and Local Fire Agencies and Emergency Organizations, i.e. Hospitals and Ambulance services. Said Detour Plan shall clearly state the dates and times of closure. Closures shall only be allowed during working hours, and the roadway shall be made passable for passenger type vehicles at the close of the work each day.

The Contractor shall be responsible for all barricades, delineators, cones, reflective media, signs and other traffic control measures necessary for the safe control of traffic and protection of the work. by the construction, 5 days prior to the beginning of construction. The public notice shall be submitted to the City and Engineer for review and approval prior to distribution.

The Contractor shall also place "TEMPORARY NO PARKING" signs, in the areas of construction a minimum of 48 hours prior to beginning work for, AC Paving, and Curb and Gutter Replacement, as necessary for striping and placement of signs.

The Contractor shall notify in writing all residents, commercial establishments and others affected

The Contractor is responsible for the repair of any damage done by emergency or other vehicles, inadvertent or not.

The Contractor shall review with the City Engineer, Project Engineer and the Chief of Police, his/her proposed method of barricading and signing in the field and shall comply with any request they may make. Said review shall be at least 48 hours in advance of construction. Contractor shall also notify in writing the City Engineer, the County Fire Departments, and Sheriffs Department of his/her proposed construction schedule.

Personal vehicles of the Contractor's employees shall not be parked on the traveled way or shoulders including any section closed to public traffic.

The Contractor shall notify local authorities of the Contractor's intent to begin work at least 5 days before work is begun. The Contractor shall cooperate with local authorities relative to handling traffic through the area and shall make arrangements relative to keeping the working area clear of parked vehicles.

Whenever work vehicles or equipment are parked on the shoulder within 1.8 m (6 ft) of a traffic lane, the shoulder area shall be closed with fluorescent orange traffic cones or portable delineators placed on a taper in advance of the parked vehicles or equipment and along the edge of the pavement at 7.5-meter (24-ft) intervals to a point not less than 7.5 m (24 ft) past the last vehicle or piece of equipment. A minimum of 9 traffic cones or portable delineators shall be used for the taper. A W20-1 (ROAD WORK AHEAD) or W21-5b (RIGHT/LEFT SHOULDER CLOSED AHEAD) or C24(CA) (SHOULDER WORK AHEAD) sign shall be mounted on a portable sign stand with flags. The sign shall be placed where designated by the Engineer. The sign shall be a minimum of 1200 mm x 1200 mm (48in x 48in) in size. The Contractor shall immediately restore to the original position and location a traffic cone or delineator that is displaced or overturned, during the progress of work.

The Contractor shall use new flashing barricades where work is to be delineated or protected during nights and weekends.

A minimum of one traffic lane, not less than **10 ft wide**, shall be open for use by public traffic in each direction of travel.

**The contractor shall provide a traffic control plan for approval prior to beginning work on the project. Traffic control plans shall be specific to the project area, showing appropriate lane usage, turn pockets and side streets, and shall conform to the provisions of the CAMUTCD.**

Full compensation for performing all of the work required under these Special Provisions shall be paid under the lump sum bid item for **Traffic Control Plan and Implementation System** and no additional compensation will be allowed, therefore.

#### **10-1.18 EXISTING HIGHWAY FACILITIES**

The work performed in connection with various existing facilities shall conform to the provisions in Section 15, "Existing Facilities," of the Standard Specifications and these special provisions.

#### **PROTECTION OF EXISTING UTILITIES**

The Contractor shall be responsible for the protection of existing pipelines, manholes, catch basins, valve boxes and other utility structures that are to remain within the roadway work area. Any such utility facilities that are damaged from roadway excavation work performed by the Contractor shall be either repaired or replaced to the satisfaction of the Engineer at no cost to the City, in accordance with Section 7-1.11, "Preservation of Property." of the State Standard Specifications.

## **PROTECT MISCELLANEOUS FACILITIES**

All existing facilities that are located outside of the limits of new construction, including adjacent facilities or facilities to be joined to, and all existing facilities called out to "Protect" on the construction drawings, shall be protected in place as indicated. All existing miscellaneous facilities shall be protected in place or relocated to nearby locations appropriate for accommodating pedestrian traffic through the newly constructed facilities. All buildings and store fronts, including miscellaneous facilities that are a part of the store frontages, shall be protected in place unless otherwise noted on the construction drawings. All existing trees shall be protected in place, unless otherwise noted on the plans.

Full compensation for furnishing all labor, materials, tools equipment, and incidentals required to protect miscellaneous facilities shall be considered as included in the contract price paid per the various items of work involved and no additional compensation will be allowed therefore.

## **REMOVE MISCELLANEOUS FACILITIES**

All existing facilities that are located within the limits of new construction and are called out to "Remove" on the construction drawings, or will require removal in order to install new improvements and is not designated for protection or relocation, shall be removed and disposed of by the contractor.

Full compensation for all work under this section shall be considered as included in the prices paid for the various items of work and no separate payment will be made, therefore.

## **10-1.19 PRESERVATION OF PROPERTY**

Attention is directed to the provisions in Section 5-1.36, "Property and Facility Preservation," of the Standard Specifications and these special provisions.

## **PROTECTION**

The Contractor shall protect all private and public property and shall replace, repair, or pay for any damage thereto.

## **NOTICE TO PROPERTY OWNERS AND TENANTS**

The Contractor shall give a written notice to all property owners adjacent to and affected by his/her work at least five (5) working days in advance of beginning the work, indicating the work to be performed and the approximate length of time that the property owner or tenant will be affected by his/her operations.

## **ACCESS**

Access shall be provided to all businesses and residences at all times. The Contractor shall conduct his/her operations so as to cause the least inconvenience to both vehicular and pedestrian access.

Existing trees, shrubs and other plants, that are not to be removed as shown on the plans or specified elsewhere in these special provisions and are injured or damaged by reason of the Contractor's operations, shall be replaced by the Contractor. Damaged or injured plants shall be removed and disposed of.

Replacement planting of injured or damaged trees, shrubs and other plants shall be completed not less than 20 working days prior to acceptance of the contract. Replacement plants shall be watered as necessary to maintain the plants in a healthy condition.

Full compensation for all work under this section shall be considered as included in the prices paid for the various items of work and no separate payment will be made, therefore.

#### **10-1.20 UTILITIES**

It shall be the obligation of the Contractor to notify the various utility companies at least three (3) days in advance of closing and/or tearing up of the street affecting said utility companies.

It shall be the obligation of the Contractor to immediately notify the affected utility company if relocation of any utilities will be required.

Refer to Section 5-1.36C, "Nonhighway Facilities," of the Standard Specifications and these special provisions (including Utilities) for utility coordination scheduling details.

Full compensation for providing utility notifications, potholing, and coordination shall be considered as included in the prices paid for the various items of work and no separate payment will be made therefore.

#### **10-1.21 DEMOLITION, CLEARING AND GRUBBING**

Demolition, Clearing and Grubbing shall conform to the provisions in Section 16, "Clearing and Grubbing," of the Standard Specifications and these special provisions.

Vegetation shall be cleared and grubbed only within the excavation and embankment slope lines.

Existing vegetation outside the areas to be cleared and grubbed shall be protected from injury or damage resulting from the Contractor's operations.

Activities controlled by the Contractor, except cleanup or other required work, shall be confined within the graded areas of the roadway.

Nothing herein shall be construed as relieving the Contractor of the Contractor's responsibility for final cleanup of the street as provided in Section 4-1.13, "Cleanup," of the Standard Specifications.

Full compensation for demolition, clearing and grubbing, and site demolition of the facilities specified herein shall be considered as included in the prices paid for the various items of work and no separate payment will be made therefore.

**APPENDIX A  
STANDARD PLANS**