



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-PwkdIrKoMmOJDzBSodu6A?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

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 55th 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.

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

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:

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

===== CITY OF HUGHSON =====

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.

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.

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

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

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:

CROOKER	RUSH	STRAIN	McFADON	CARR
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:

CROOKER	RUSH	STRAIN	McFADON	CARR
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:

CROOKER	RUSH	STRAIN	McFADON	CARR
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

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	
Bank Code: Payable Bank-Payable Bank						
01257	1ST SECURITY & SOUND INC	04/04/2024	Regular	0.00	149.85	57893
0236516	Invoice	04/01/2024	MONITORING	0.00	149.85	
00016	ABS PRESORT	04/04/2024	Regular	0.00	1,681.86	57894
135114	Invoice	03/11/2024	BILL PRINTING- FEB	0.00	1,681.86	
00032	AFLAC	04/04/2024	Regular	0.00	322.45	57895
277277	Invoice	04/01/2024	AFLAC	0.00	322.45	
01603	Amazon Capital Services, Inc.	04/04/2024	Regular	0.00	96.74	57896
11NQ-MH9R-M3...	Invoice	04/03/2024	camera brackets	0.00	96.74	
00109	BADGER METER, INC	04/04/2024	Regular	0.00	2,338.49	57897
80151111	Invoice	04/02/2024	badger january service	0.00	4.68	
80151747	Invoice	04/02/2024	February services	0.00	2,333.81	
00123	BAY ALARM CO	04/04/2024	Regular	0.00	450.00	57898
21278679	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
INV-0867	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
171385	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
INV0010956	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
8715670	Invoice	04/02/2024	cleaning supplies	0.00	2,177.92	
00288	CHOICE LIGHTING SUPPLY	04/04/2024	Regular	0.00	123.79	57903
351589	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
35132575	Invoice	04/02/2024	PEST CONTROL	0.00	137.00	
35133336	Invoice	04/02/2024	PEST CONTROL	0.00	82.00	
01538	Colonial Life	04/04/2024	Regular	0.00	298.75	57905
54059070301605	Invoice	03/01/2024	Colonial Life	0.00	298.75	
00406	Department of Conservation	04/04/2024	Regular	0.00	1,010.33	57906
INV0010955	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
INV0010954	Invoice	04/02/2024	Damage Deposit - Beltran	0.00	464.00	
00462	EWING IRRIGATION PRODUCTS	04/04/2024	Regular	0.00	880.32	57908
012472638	Invoice	03/20/2024	landscape parts/supplies (blanket PO)	0.00	410.51	
21748718	Invoice	03/15/2024	landscape parts/supplies (blanket PO)	0.00	265.56	
21748775	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
43945	Invoice	04/01/2024	IT SERVICES	0.00	600.00	
43954	Invoice	04/02/2024	IT SERVICES	0.00	1,195.45	
TS43898	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	
J3K2804	Invoice	04/02/2024	water blanket Geoanalytical	0.00	212.00	
J3L0507	Invoice	04/02/2024	WW Blanket Geoanalytical	0.00	65.00	
K4A0212	Invoice	04/02/2024	WW Blanket Geoanalytical	0.00	65.00	
K4A0213	Invoice	04/02/2024	water blanket Geoanalytical	0.00	1,182.00	
K4A1605	Invoice	04/02/2024	water blanket Geoanalytical	0.00	167.00	
K4A2304	Invoice	04/02/2024	WW Blanket Geoanalytical	0.00	65.00	
K4A2305	Invoice	04/02/2024	water blanket Geoanalytical	0.00	220.00	
K4A3006	Invoice	04/02/2024	water blanket Geoanalytical	0.00	254.40	
K4A3007	Invoice	04/02/2024	WW Blanket Geoanalytical	0.00	65.00	
K4B0600	Invoice	04/02/2024	water blanket Geoanalytical	0.00	110.00	
K4B2909	Invoice	04/02/2024	water blanket Geoanalytical	0.00	118.00	
K4C0413	Invoice	04/02/2024	water blanket Geoanalytical	0.00	1,332.00	
K4C0414	Invoice	04/02/2024	WW Blanket Geoanalytical	0.00	219.00	
K4C0523	Invoice	04/02/2024	WW Blanket Geoanalytical	0.00	65.00	
K4C0524	Invoice	04/02/2024	water blanket Geoanalytical	0.00	541.00	
K4C0619	Invoice	04/02/2024	water blanket Geoanalytical	0.00	284.00	
K4C0711	Invoice	04/02/2024	water blanket Geoanalytical	0.00	191.00	
K4C1815	Invoice	04/02/2024	WW Blanket Geoanalytical	0.00	249.00	
K4C1916	Invoice	04/02/2024	water blanket Geoanalytical	0.00	292.80	
K4C1917	Invoice	04/02/2024	water blanket Geoanalytical	0.00	273.00	
K4C2039	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
HUGHSS-092	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
103123-4	Invoice	04/03/2024	tires for UT1	0.00	647.09	
00879	PG & E	04/04/2024	Regular	0.00	887.98	57913
INV0010953	Invoice	03/26/2024	UTILITIES	0.00	887.98	
01885	RecruitGigs	04/04/2024	Regular	0.00	1,782.00	57914
68815	Invoice	03/22/2024	Extra Help - PW	0.00	792.00	
68879	Invoice	03/29/2024	Extra Help - PW	0.00	990.00	
01633	Robert Delarm	04/04/2024	Regular	0.00	98.00	57915
INV0010994	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
1187260	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
4678693779	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
I-24-767	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
INV00289280	Invoice	04/02/2024	lab supplies	0.00	130.04	
01264	VERIZON WIRELESS	04/04/2024	Regular	0.00	380.10	57920
9960007332	Invoice	04/03/2024	MIFI DEVICES/ CAMERAS	0.00	152.04	
9960007333	Invoice	04/03/2024	MIFI DEVICES/ CAMERAS	0.00	228.06	
01192	VISION SERVICE PLAN	04/04/2024	Regular	0.00	514.17	57921
820111286	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
010965-00	Invoice	03/26/2024	MISC OFFICE SUPPLIES	0.00	29.11	
01220	WESTURF INC.	04/04/2024	Regular	0.00	445.16	57923
00010000093176	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	
INV0011027	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
INV0011078	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
W290937	Invoice	04/09/2024	Preventative well8 generator	0.00	1,303.39	
W290939	Invoice	04/09/2024	preventative Well3 genarator	0.00	557.00	
W290941	Invoice	04/09/2024	preventative WWTP generator	0.00	514.15	
W292447	Invoice	04/09/2024	major prev well3 gen	0.00	2,168.16	
W292449	Invoice	04/09/2024	major prev well4 gen	0.00	1,683.17	
W292641	Invoice	04/09/2024	Major prev well8 gen	0.00	1,985.25	
W292671	Invoice	04/09/2024	Major prev hatch gen	0.00	1,362.30	
W292937	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
INV0010996	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
INV0010997	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
INV0010995	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
14625	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
February 2024	Invoice	02/29/2024	GARBAGE SERVICE- Feb 2024	0.00	73,304.69	
January 2024	Invoice	01/31/2024	GARBAGE SERVICE Jan 2024	0.00	76,918.84	
March 2024	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
H485147	Invoice	04/10/2024	farm supply blanket	0.00	50.06	
H485230`	Invoice	04/10/2024	farm supply blanket	0.00	20.33	
H485269	Invoice	04/10/2024	farm supply blanket	0.00	58.82	
H485283	Invoice	03/08/2024	Farm supply blanket PO	0.00	12.92	
H485477	Invoice	03/08/2024	Farm supply blanket PO	0.00	17.25	
H485479	Invoice	03/11/2024	Water Supplies (Blanket)	0.00	112.10	
H485487	Invoice	04/10/2024	farm supply blanket	0.00	58.22	
H485501	Invoice	03/07/2024	Farm supply blanket PO	0.00	33.81	
H485512	Invoice	03/11/2024	Water Supplies (Blanket)	0.00	8.61	
H485526	Invoice	03/11/2024	Water Supplies (Blanket)	0.00	34.70	
H485559	Invoice	04/10/2024	farm supply blanket	0.00	7.10	
H485630	Invoice	03/07/2024	Farm supply blanket PO	0.00	24.36	
H485745	Invoice	03/13/2024	Water Supplies (Blanket)	0.00	32.43	
H485750	Invoice	04/10/2024	farm supply blanket	0.00	60.49	
H485872	Invoice	03/07/2024	Farm supply blanket PO	0.00	17.25	
H485920	Invoice	04/10/2024	farm supply blanket	0.00	100.62	
H485988	Invoice	03/07/2024	Farm supply blanket PO	0.00	34.51	
H486116	Invoice	03/07/2024	Farm supply blanket PO	0.00	48.53	
H486218	Invoice	04/10/2024	farm supply blanket	0.00	94.46	
H486302	Invoice	04/10/2024	farm supply blanket	0.00	208.90	
H486334	Invoice	03/08/2024	Farm supply blanket PO	0.00	32.31	
H486430	Invoice	03/07/2024	Farm supply blanket PO	0.00	44.18	
H486476	Invoice	03/08/2024	Farm supply blanket PO	0.00	39.16	
H486679	Invoice	03/07/2024	Farm supply blanket PO	0.00	0.87	
H486691	Invoice	03/21/2024	Water Supplies (Blanket)	0.00	14.00	
H486729	Credit Memo	03/21/2024	WATER SUPPLIES	0.00	-14.00	
H486792	Invoice	04/09/2024	cleaning supplies	0.00	214.50	
H486830	Invoice	03/06/2024	Farm supply blanket PO	0.00	1.55	
H487389	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
380239	Invoice	03/07/2024	parts and supplies (blanket PO)	0.00	7.28	
380305	Invoice	03/08/2024	parts and supplies (blanket PO)	0.00	16.79	
380443	Invoice	03/11/2024	parts and supplies (blanket PO)	0.00	2.36	
380670	Invoice	03/14/2024	parts and supplies (blanket PO)	0.00	26.91	
380747	Invoice	03/15/2024	parts and supplies (blanket PO)	0.00	22.64	
380860	Invoice	03/18/2024	parts and supplies (blanket PO)	0.00	13.92	
380876	Invoice	03/18/2024	parts and supplies (blanket PO)	0.00	4.08	
380881	Invoice	03/18/2024	parts and supplies (blanket PO)	0.00	35.77	
380888	Invoice	03/18/2024	parts and supplies (blanket PO)	0.00	4.39	
380899	Invoice	03/18/2024	parts and supplies (blanket PO)	0.00	15.47	
380908	Invoice	03/18/2024	parts and supplies (blanket PO)	0.00	22.37	
380914	Invoice	03/18/2024	parts and supplies (blanket PO)	0.00	7.51	
381002	Invoice	03/19/2024	parts and supplies (blanket PO)	0.00	7.62	
381035	Invoice	03/20/2024	fleet maintenance (blanket PO)	0.00	106.79	
381055	Invoice	03/20/2024	parts and supplies (blanket PO)	0.00	149.26	
381219	Invoice	03/22/2024	parts and supplies (blanket PO)	0.00	3.65	
381334	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
020124HUGH	Invoice	02/01/2024	General Planning Services	0.00	5,049.58	
030124HUGH	Invoice	03/01/2024	General Planning Services	0.00	2,665.50	
040124HUGH	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
691534614623	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
347371	Invoice	03/27/2024	LEGAL SERVICES	0.00	1,600.00	
347548	Invoice	03/28/2024	General Administration	0.00	4,497.96	
347549	Invoice	03/28/2024	Personnel Matters	0.00	825.00	
01884	PACIFIC STORAGE COMPANY	04/11/2024	Regular	0.00	71.99	57943
2217699	Invoice	03/31/2024	RECORDS STORAGE	0.00	71.99	
01950	Premier Pools & Spas	04/11/2024	Regular	0.00	500.00	57944
INV0011079	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
34539	Invoice	02/28/2024	Progress invoice #2 for the T&M estimate ...	0.00	25,230.75	
34685	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
68940	Invoice	04/05/2024	Extra Help - PW	0.00	990.00	
01048	STANISLAUS COUNTY	04/11/2024	Regular	0.00	347.00	57947
471589	Invoice	04/09/2024	corp yard HM permit	0.00	347.00	
01048	STANISLAUS COUNTY	04/11/2024	Regular	0.00	161.00	57948
472655	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	
INV0011077	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
	137	51	0.00	940,042.31

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
	137	51	0.00	940,042.31

Fund Summary

Fund	Name	Period	Amount
999	POOLED CASH/CONSOLIDATED CASH	4/2024	940,042.31
			940,042.31



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
Total Refunds: 5				Total Refunded Amount:	591.10			

Revenue Code Summary

Revenue Code	Amount
996 - UNAPPLIED CREDITS	591.10
Revenue Total:	591.10

General Ledger Distribution

Posting Date: 04/08/2024

	Account Number	Account Name	Posting Amount	IFT
Fund:	510 - WATER/SEWER DEPOSIT			
	510-10001	CLAIM ON CASH-WATER/SEWER DEPOSIT	-591.10	Yes
	510-11040	CUSTOMER CREDITS	591.10	
	510 Total:		0.00	
Fund:	999 - POOLED CASH/CONSOLIDATED CASH			
	999-10010	CASH IN BANK-MONEY MARKET	-591.10	
	999-20000	DUE TO OTHER FUNDS (POOLED CASH)	591.10	Yes
	999 Total:		0.00	
	Distribution Total:		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
Total Refunds: 1		Total Refunded Amount:		9,583.92				

Revenue Code Summary

Revenue Code	Amount
996 - UNAPPLIED CREDITS	9583.92
Revenue Total:	9583.92

General Ledger Distribution

Posting Date: 04/08/2024

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

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:

Office	Incumbent	Compensation	Term
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 22nd 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 5th 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 88th day before the Election), the voters shall have until the 83rd 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.

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 22nd 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>
Department	
ADMINISTRATION	
Executive Assistant/City Clerk	
City Clerk/Assistant to the City Manager	2
Management Analyst	2
BOARDS/COMMISSIONS/COMMITTEES	
Administrative Appeals Board	1
Budget and Finance Subcommittee Members	1
Parks, Recreation and Entertainment Commissioners	1
Successor Agency to the RDA Committee Members	1
COMMUNITY DEVELOPMENT DEPARTMENT	
Director of Community Development	1
CITY ATTORNEY'S OFFICE	
City Attorney	1
Deputy City Attorney	1
FINANCE DEPARTMENT	
Director of Finance & Administrative Services	1
Accounting Manager	4
PUBLIC WORKS	
Parks and Recreation Manager	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

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 2nd Street Sidewalk Infill Project will complete the remainder of the sidewalks on 2nd 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 2nd Street between Fox Road and Walker Lane. The 2024-2025 project goal is to complete the public improvements on 2nd 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 2nd 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 22nd, 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 2nd 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 22nd 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.

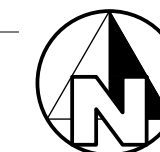
Additionally, since this project will alter the appearance and footprint of the well site, City staff has conducted a public outreach to City residents located within 300' of the Well 8 facility,

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.

WELL 8 TCP MITIGATION PROJECT



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 & 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		
E1.0	31	ELECTRICAL LEGEND, ABBREV, GENERAL, NOTES & OVERALL SITE PLAN
E1.1	32	ELECTRICAL PLAN
E2.0	33	ELECTRICAL DETAIL CONDUIT & CABLE SCHEDULE
I0.00	34	INSTRUMENTATION COVER SHEET
I0.10	35	GAC AND MOTORIZED VALVES P&ID

[illegible]

1. 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.

1. CONTRACTOR MAY OBTAIN COPIES OF APPROVED CITY STANDARD SPECIFICATIONS FROM THE CITY OF HUGHSON FOR A NOMINAL FEE.
3. CONTRACTOR SHALL CONSTRUCT FRONTAGE IMPROVEMENTS IN ACCORDANCE WITH ALL APPLICABLE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT.
4. 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.
5. 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.
6. 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.
7. 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.
8. PERMITS MUST BE OBTAINED AND FEES PAID IN ACCORDANCE WITH THE CITY OF HUGHSON.
9. TRAFFIC REQUIREMENTS:
 - A) ALL SIGNING, DETOURING, AND BARRICADING SHALL CONFORM TO THE MANUAL TRAFFIC CONTROLS AND AMENDMENTS ISSUED BY THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION.
 - B) ALL SIGNS SHALL BE REFLECTORIZED FOR NIGHT TIME VISIBILITY.
 - C) HIGH LEVEL WARNING DEVICES SHALL BE USED ON ALL APPROACHES TO THE CONSTRUCTION AREA.
 - D) ONE TWELVE FOOT DRIVING LANE MUST BE MAINTAINED IN EACH DIRECTION AT ALL TIMES.
 - E) NO PUBLIC STREET SHALL BE CLOSED WITHOUT PRIOR APPROVAL FROM THE CITY ENGINEER.
 - F) 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 CONTRACTOR WILL PERFORM THEIR OPERATIONS IN COMPLIANCE WITH THE ABOVE REQUIREMENTS, INCLUDING THE CONDITIONS OF THE STREET WORK PERMIT.
10. EXISTING PAVEMENT SHALL NOT BE REMOVED UNTIL SUCH TIME AS ALL UTILITIES ARE COMPLETE AND PAVING CONTRACTOR IS READY TO REPAIR.
11. 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.
12. TWO WORKING DAYS PRIOR TO COMMENCING EXCAVATION, THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (U.S.A.). CALL TOLL FREE AT 811.
13. 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.
14. CONTRACTOR SHALL REPAIR OR REPLACE ANY CONCRETE IMPROVEMENTS THAT ARE BROKEN OR DAMAGED IN ANY MANNER BY HIS OPERATIONS.

1. THE CONTRACTOR SHALL REPLACE ALL LANDSCAPE IRRIGATION COMPONENTS (E.G. IRRIGATION PIPE, VALVES, CONTROLS, CONTROL WIRING, SPRAY HEADS, ETC.) DISTURBED DURING CONSTRUCTION.
2. 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.

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

1. 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.

2. CONTRACTOR SHALL NOTIFY AND COORDINATE ALL RELATED WORK WITH THE FOLLOWING AGENCIES:
 1. CITY OF HUGHSON PUBLIC WORKS DEPARTMENT
 2. CITY OF HUGHSON
 3. COUNTY OF STANISLAUS PUBLIC WORKS DEPARTMENT
 4. PG&E
3. 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.
4. THE CONTRACTOR SHALL PROVIDE RECORD DRAWINGS FOR ALL PROJECT IMPROVEMENTS.
5. 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.
6. 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.
7. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS SHALL HAVE PRECEDENCE OVER SCALED DRAWINGS.
8. 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.
9. 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.
10. BUILDING PERMITS MUST BE OBTAINED BEFORE STARTING CONSTRUCTION.
11. ALL WORK SHALL CONFORM TO THE LATEST APPLICABLE CONSTRUCTION SAFETY REQUIREMENTS OF OSHA AND ANY OTHER GOVERNMENTAL ENTITY HAVING JURISDICTION.
12. 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.
13. 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 WILL BE PERFORMED SEPARATE TO DURING THE ACT 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.

1. PIPE MATERIALS
 - a) ALL BURIED PRESSURE PIPING WITHIN THE SITE PROPERTY LINES SHALL BE DUCTILE IRON PIPE CONFORMING TO SPECIFICATION 40 05 00 UNLESS OTHERWISE NOTED.
 - b) ALL 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
 - c) ALL STORM DRAIN PIPING WITHIN THE PUBLIC RIGHT OF WAY SHALL BE ASTM C76 CLASS 3 RUBBER GASKETED PIPE UNLESS OTHERWISE NOTED.
 - d) ALL SODIUM HYPOCHLORITE PIPING SHALL BE 1/2-INCH POLYETHYLENE TUBING INSIDE OF EPVC CONDUIT CONFORMING TO SPECIFICATION 40 05 00 UNLESS OTHERWISE NOTED.
 - e) DRAIN PIPING 4 INCHES AND SMALLER SHALL BE ASTM D 3034, SDR 35, UNLESS NOTED OTHERWISE.
2. RESTRAIN ALL ON-SITE PRESSURE PIPING IN ACCORDANCE WITH SPECIFICATION 40 05 00, PARAGRAPH 3.5. THRUST BLOCKS WILL NOT BE ACCEPTABLE.

3. ALL VALVES WHICH IN THE OPEN POSITION WOULD ALLOW UNTREATED WATER TO BYPASS THE EXISTING TREATMENT PROCESS SHALL BE EQUIPPED WITH A LOCKOUT DEVICE:
 - a) BURIED GATE VALVES SHALL BE EQUIPPED WITH A LOCKING DEBRIS CAP. SW SERVICES LOCKING DEBRIS CAP OR EQUAL.
 - b) ABOVE-GRADE VALVE HANDWHEELS SHALL BE EQUIPPED WITH A LOCKOUT DEVICE. ULINE, BRAND LOCKING COVER OR EQUAL.
 - c) LOCKOUT DEVICE LABELS SHALL STATE "CONTACT THE CITY OF HUGHSON WATER DIVISION PRIOR TO OPENING THIS VALVE".
4. THE WORK CONTAINED HEREIN SHALL COMPLY WITH TITLE 22 SECTION 64572 OF THE CALIFORNIA CODE OF REGULATIONS. REFER TO WATER MAIN SEPARATION REQUIREMENTS DETAIL.
5. ALL ABOVE GRADE PIPE SHALL BE PAINTED WITH THE COATING SYSTEM SPECIFIED IN SECTION 09 90 00 OF THE SPECIFICATIONS. PIPE COLOR SHALL BE AS SELECTED BY THE OWNER.
6. ALL HARDWARE FOR BURIED PIPE CONNECTIONS SHALL BE STAINLESS STEEL REGARDLESS OF TYPE (RESTRAINED MJ, FLANGE, ETC.).
7. 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.

1. THE WORK EMBRACED HEREIN SHALL BE DONE IN ACCORDANCE WITH THE APPROPRIATE PROVISIONS OF CHAPTER 33 OF 2022 CALIFORNIA BUILDING CODE AS ADOPTED.

3. 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.
3. A GRADING PERMIT OR VOUCHER SHALL BE OBTAINED FROM THE CITY OF HUGHSON PRIOR TO ANY GRADING AND PAVING WORK FOR THIS PROJECT.
4. 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.
5. 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.
6. 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.
7. PROVIDE THE CITY OF HUGHSON WITH "AS BUILT" PLANS UPON COMPLETION OF GRADING
8. 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.
9. DIFFERENTIALS LESS THAN TWELVE (12) INCHES ARE TO HAVE A MAXIMUM SLOPE OF ONE (1) VERTICAL TO TWO (2) HORIZONTAL.
10. GRADING CONTRACTOR SHALL REMOVE ALL ORGANIC MATTER, DEBRIS, AND OTHER DELETERIOUS OR EXCESS MATERIAL FROM THE SITE AND DISPOSE OF AT AN APPROVED LOCATION.
11. ANY SURVEY MONUMENTS WITHIN THE AREA OF WORK SHALL BE PRESERVED OR RESET BY A LICENSED LAND SURVEYOR.
12. 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.
13. 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.
14. 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.
15. THE COSTS OF ALL REPEAT TESTING REQUIRED FOR ACCEPTANCE OF WORK SHALL BE FULLY BORNE BY THE CONTRACTOR.
16. PERMANENT TRENCH RESURFACING TO BE PER CITY STANDARD, OR AS DETAILED.
17. TEMPORARY TRENCH RESURFACING TO BE A MINIMUM 4" THICK COLD MIX.
18. 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.

1. ALL CHEMICALS USED IN THE WATER SYSTEM, INCLUDING CHLORINE, SHALL BE CERTIFIED UNDER NSF/ANSI STANDARD 60.
2. 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							
	PVCG	POLYVINYL CHLORIDE	GRAVITY	MJ	MECHANICAL JOINT	CM	CEMENT MORTAR PER AWWA C104	PEE	POLYETHYLENE ENCASEMENT §40 05 00 PER AWWA		
	WSP	WELDED STEEL PIPE	PO	PUSH ON JOINT		EP	EPOXY POLYURETHANE §09 99 00 SYSTEM 2				



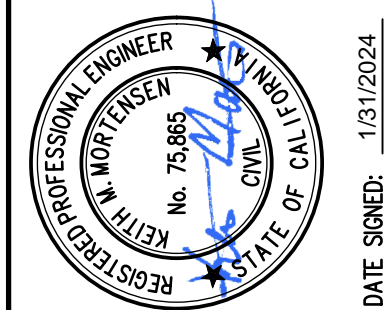
1. ALL CONCRETE SHALL BE NORMAL WEIGHT CONSISTING OF TYPE II/V PORTLAND CEMENT, FINE AGGREGATE, COARSE AGGREGATE, AND WATER (SLUMP SHALL NOT EXCEED 4 INCHES ±1 INCH). THE CONCRETE SHALL BE PLACED WITHIN ONE AND ONE-HALF HOURS FROM THE TIME WATER IS INTRODUCED TO YIELD AT 28 DAYS A MINIMUM COMPRESSIVE 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 | 2,500 PSI, F0, S0, W1, C1 |
| STRUCTURAL FOOTINGS AND INTERIOR SLABS | 3,000 PSI, F0, S0, W1, C1 |
| ALL OTHER STRUCTURAL CONCRETE | 4,000 PSI, F0, S0, W0, C0 |
2. CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 318 (LATEST EDITION).
 3. CONCRETE MIXING SHALL COMPLY WITH ASTM C94.
 4. 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" ACHUTE.
 5. 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.
 6. 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.
 7. 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.
 8. ALL EXTERIOR SLABS SHALL BE SLOPED TO ALLOW DRAINAGE OF RUNOFF WATER TO PREVENT PONDING.
 9. 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.
 10. ALL SLABS SHALL HAVE A TROWELED FINISH WITH A FF=35 AND A FL=25 MINIMUM UNO.

© 2024 BY PROVEST & PRITCHARD ENGINEERING GROUP, INC. ALL RIGHTS RESERVED.

The firm of Provest & Pritchard Engineering Group, Inc. expressly reserves its common law copyright and all other applicable property rights in these plans. These plans are not to be reproduced, changed, or copied in any manner without the prior written permission of Provest & Pritchard Engineering Group, Inc. In the event of unauthorized reuse of these plans by a third party, the third party shall hold the firm of Provest & Pritchard Engineering Group, Inc. harmless and shall bear the cost of Provest & Pritchard Engineering Group, Inc.'s legal fees associated with defending and enforcing these rights.

BID SET
1/31/2024



WELL 8 TCP MITIGATION PROJECT

CITY OF HUGHSON

GENERAL

GENERAL NOTES

2/1/2024 11:42 AM G:\Hughson_City of-2654\265421001-TCP Treatment Design\300 CAD\340 Sheet Sets\01_General\G-3 GENERAL NOTES.dwg - Jennifer Bonilla

EST. 1968

**PROVOST &
PRITCHARD**

CONSULTING GROUP

An Employee Owned Company

DESIGN ENGINEER:
KMM
LICENSE NO:
75865

DRAFTED BY:	CH
JB	

DATE: 1/31,

JOB NO: 2654

PHASE:

A horizontal number line with a tick mark labeled 0.

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			*ADHESIVE ANCHORS IN OVERHEAD OR HORIZONTAL CONDITION SHALL BE CONTINUOUS INSPECTION	
4.2 HOLE DRILLING METHOD				
4.3 ANCHOR EDGE DISTANCE AND SPACING				
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 ASTM C81 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] 2213A.1
2. INSPECTION OF HIGH-STRENGTH BOLTING				
A. SNUG-TIGHT JOINTS		X	RCSC: 7-9, AISC 360: J3.1, J3.2, M2.5 & N5.6	1705A.2.6, 2204A.2, [DSA-SS/ CC] 2204.2
B. PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OFF-NUT WITH MATCHMARKING, TWIST-OFF BOLT OR DIRECT TENSION INDICATOR METHODS OF INSTALLATION		X		
C. PRETENSIONED AND SLIP-CRITICAL JOINTS USING TURN-OFF-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		AISC 360: J2, M2.4, & M4.5, AWS D1.1 & D1.8	1705A.2.1, 1705A2.5
2) MULTIPASS FILLET WELDS	X			
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	1705A2.5, [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				TABLE 1705A.3, ITEM 2
6. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE				
A. DETAILS SUCH AS BRACING AND STIFFENERS		X	AISC 360: N5.8	1705A.2.1
B. MEMBER LOCATIONS		X		
C. APPLICATION OF JOINT DETAILS AT EACH CONNECTION		X		
a. WHERE APPLICABLE, SEE ALSO SECTION 1705A.13, SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE				

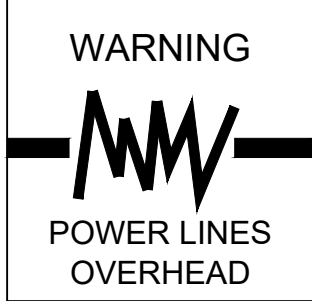
REINFORCING STEEL NOTES

- 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 I_w 1.0
ULTIMATE DESIGN WIND SPEED 100 MPH
EXPOSURE C
INTERNAL PRESSURE COEFFICIENT N/A
COMPONENTS & CLADDING N/A
DESIGN WIND PRESSURE TDB PSF
ROOF TDB PSF
WALL N/A
- SEISMIC LOAD:
SPECTRAL RESPONSE ACCELERATION S_a 0.611 g
SPECTRAL RESPONSE ACCELERATION S₁ 0.25 g
SPECTRAL RESPONSE COEFFICIENTS S_{DS} 0.534 g
SPECTRAL RESPONSE COEFFICIENT S_{D1} N/A
SEISMIC IMPORTANCE FACTOR I_s 1.25
SITE CLASS D
SEISMIC DESIGN CATEGORY D
SEISMIC FORCE RESISTING SYSTEM NONBUILDING STRUCTURE
DESIGN BASE SHEAR VARIES
SEISMIC RESPONSE COEFFICIENT C_s 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

EST. 1968

PROVOST & PRITCHARD

CONSULTING GROUP

An Employee Owned Company

555 W. FAY AVENUE
CLOVIS, CALIFORNIA 93611
559.462.7007 FAX 559.469.2715
https://www.provostpritchard.com

DESIGN ENGINEER:
K/M

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-4

4

OF

35

WELL 8 TCP MITIGATION PROJECT

CITY OF HUGHSON
HUGHSON, CA
GENERAL

BID SET
1/31/2024

REVISION

BY

DATE

No.

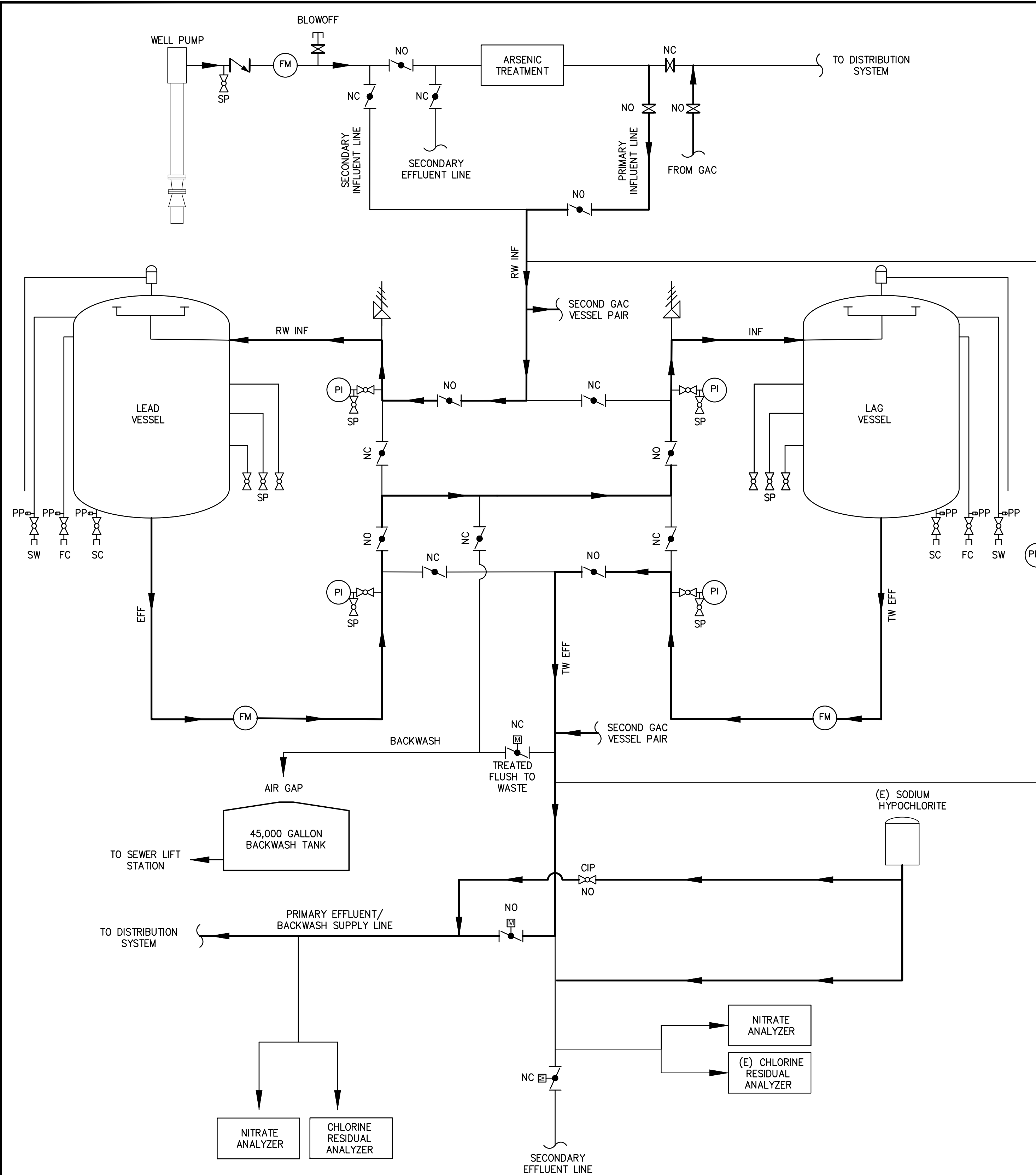
DATE SIGNED: 1/31/2024

PROFESSIONAL ENGINEER
KATHY MONTGOMERY
No. 75865
CIVIL
STATE OF CALIF.

GENERAL NOTES

COPYRIGHT 2024 BY PROVOST & PRITCHARD CONSULTING GROUP. ALL RIGHTS RESERVED. ENGINEERING GROUP, A DIVISION OF PROVOST & PRITCHARD CONSULTING GROUP, INC., EXPRESSLY RESERVES ITS COMMON LAW COPYRIGHT AND ALL OTHER RIGHTS IN THIS DRAWING. THESE PLANS ARE NOT TO BE REPRODUCED, CHANGED, OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE USED FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY THE WRITTEN PERMISSION AND CONSENT OF PROVOST & PRITCHARD ENGINEERING GROUP, INC. IN THE EVENT OF A DISPUTE, THE USER AGREES TO BIND ANY AND ALL DISPUTES TO THE JURISDICTION OF THE COURTS OF THE STATE OF CALIFORNIA. THE USER AGREES TO HOLD THE FIRM OF PROVOST & PRITCHARD ENGINEERING GROUP, INC. HARMLESS FROM AND DEFEND AND INDEMNIFY PROVOST & PRITCHARD ENGINEERING GROUP, INC.'S LEGAL FEES ASSOCIATED WITH DEFENDING AND ENFORCEING THESE RIGHTS.

2/7/2024 11:43 AM G:\Hughson_City of-2654\265421001--TCP Treatment Design\300 CAD\340 Sheet Sets\01_General\G-4 GENERAL NOTES.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

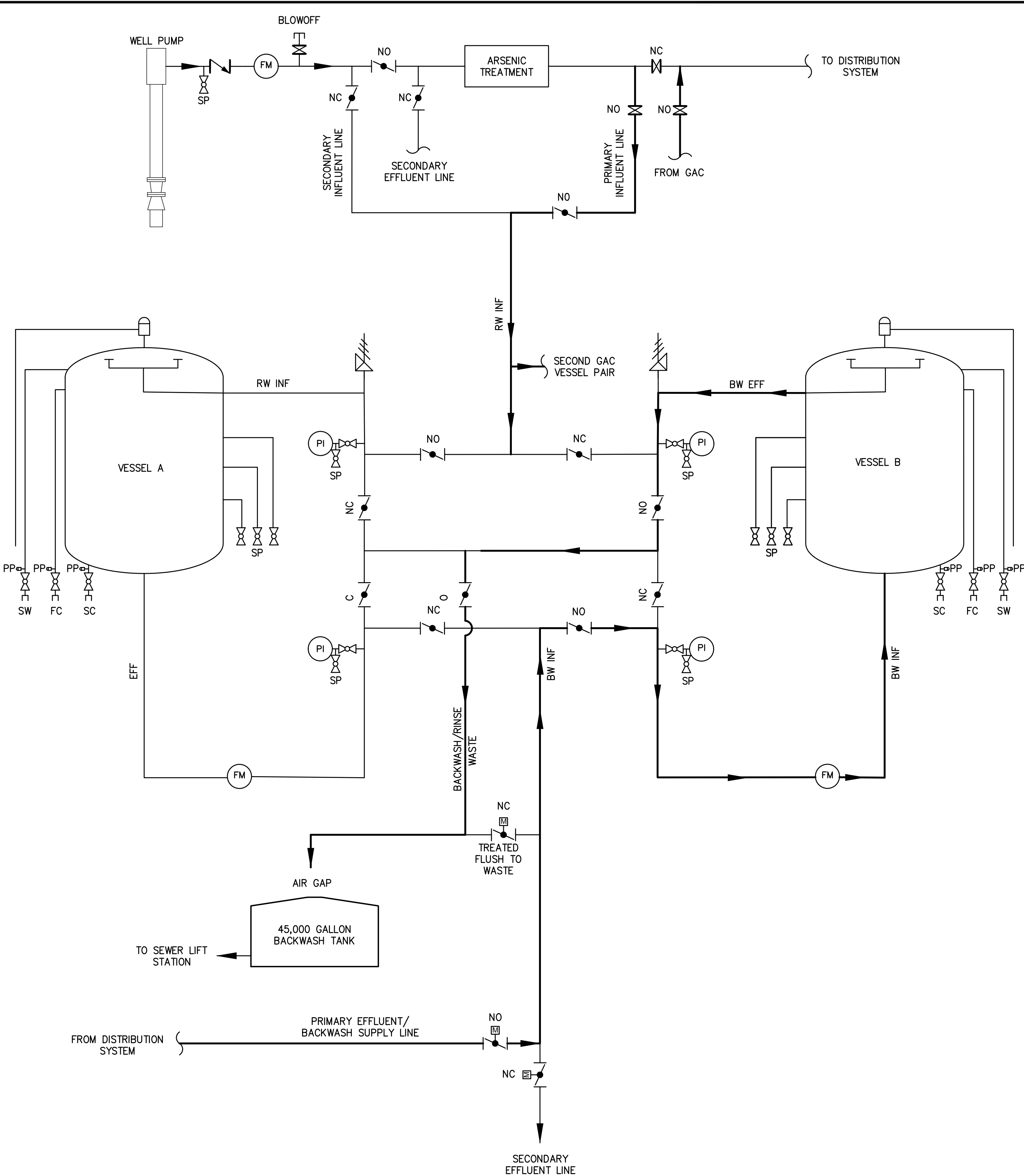
COMBINATION AIR RELEASE AND VACUUM VALVE
DIFFERENTIAL PRESSURE TRANSMITTER
PRESSURE RELIEF VALVE

EQUIPMENT LEGEND

FLOW METER
GATE VALVE
HOSE CONNECTION
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

COPYRIGHT 2024 BY PROVEST & PRITCHARD ENGINEERING GROUP, INC. ALL RIGHTS RESERVED. PROVEST & PRITCHARD ENGINEERING GROUP, INC. EXPRESSLY RESERVES ITS COMMON LAW COPYRIGHT AND OTHER RIGHTS IN THIS DOCUMENT. NO PART OF THIS DOCUMENT IS TO BE REPRODUCED, CHANGED, OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE USED IN ANY MANNER WHATSOEVER WITHOUT THE WRITTEN PERMISSION AND CONSENT OF PROVEST & PRITCHARD ENGINEERING GROUP, INC. THE THIRD PARTY SHALL HOLD THE FIRM OF PROVEST & PRITCHARD ENGINEERING GROUP, INC. HARMLESS FROM ALL CLAIMS, DAMAGES, LOSSES, AND EXPENSES, INCLUDING REASONABLE ATTORNEY'S FEES, ARISING OUT OF OR RESULTING FROM THE USE OF THIS DOCUMENT. PROVEST & PRITCHARD ENGINEERING GROUP, INC.'S LEGAL FEES ASSOCIATED WITH DEFENDING AND ENFORCING THESE RIGHTS.

BID SET
1/31/2024

PROFESSIONAL ENGINEER
KATHY M. JOHNSON
No. 75865
CIVIL
STATE OF CALIFORNIA

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

PROVEST & PRITCHARD
CONSULTING GROUP
An Employee Owned Company
EST. 1968
CLOVIS, CALIFORNIA 95311
5094462700 FAX 5094462715
https://provestandpritchard.com

DESIGN ENGINEER:
KMM
LICENSE NO:
75865

DRAFTED BY: JB
CHECKED BY: RKB

DATE: 1/31/2024
JOB NO: 265421001

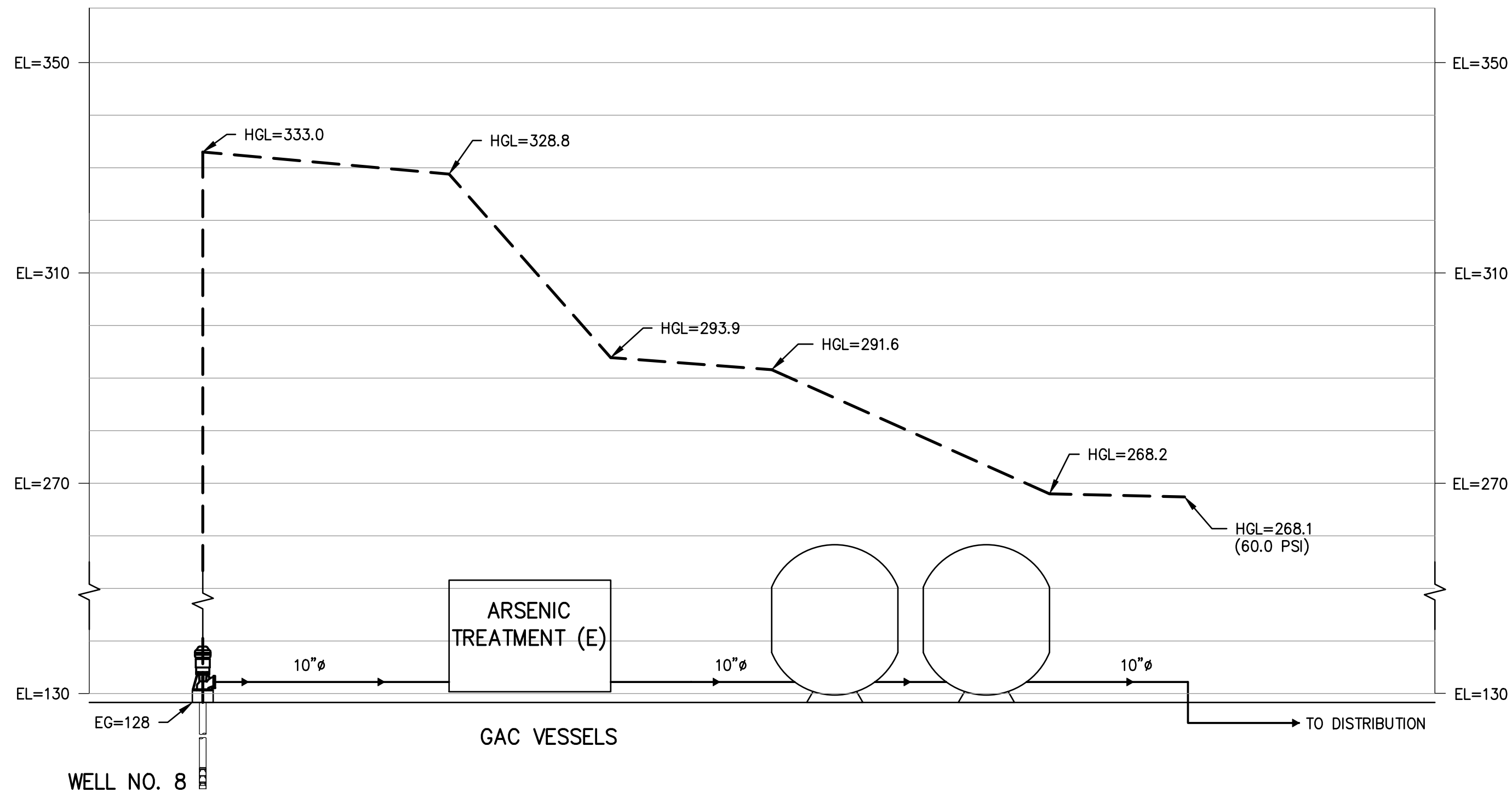
PROJECT NO:
PHASE:

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

SHEET **G-6**

6 OF 35

2/1/2024 11:43 AM G:\hughson_city of-2654\265421001-TCP Treatment Design\300 CAD\340 Sheet Sets\01_General\G-6 PROCESS FLOW DIAGRAMS.dwg -Jennifer Bonilla



WELL 8 TCP TREATMENT HYDRAULIC PROFILE

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

EST. 1968

PROVOST & PRITCHARD

CONSULTING GROUP

An Employee Owned Company

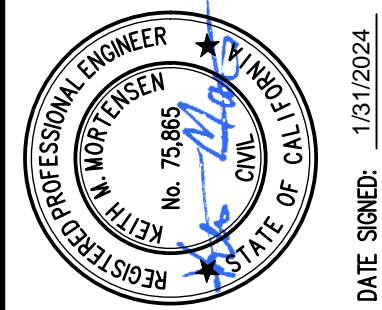
1455 W. FRANKLIN AVE.
CLOVIS, CALIFORNIA 93611
559.449.2700 FAX 559.449.2715
https://www.provostandpritchard.com

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-7**
7 OF 35

WELL 8 TCP MITIGATION PROJECT

CITY OF HUGHSON
HUGHSON, CA
GENERAL

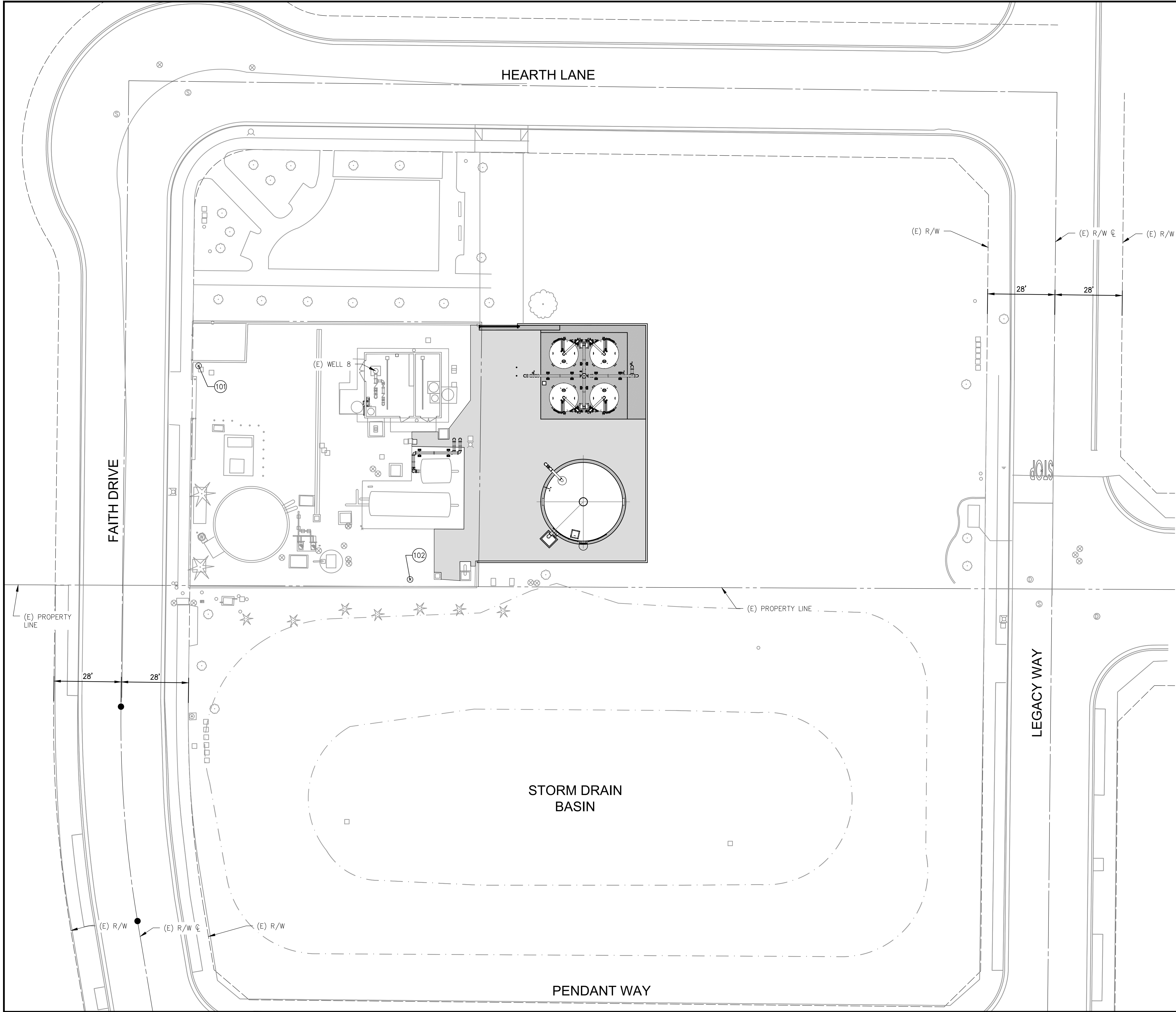
HYDRAULIC PROFILE



BID SET
1/31/2024

No.	REVISION	BY	DATE
-----	----------	----	------

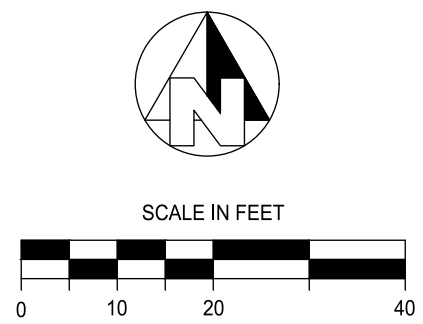
COPYRIGHT 2024 BY PROVOST & PRITCHARD ENGINEERING GROUP. ALL RIGHTS RESERVED. PROVOST & PRITCHARD ENGINEERING GROUP, INC. EXPRESSLY RESERVES ITS COMMON LAW COPYRIGHT AND OTHER RIGHTS IN THIS DOCUMENT. THESE PLANS ARE NOT TO BE REPRODUCED, CHANGED, OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE USED FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY THE WRITTEN PERMISSION AND CONSENT OF PROVOST & PRITCHARD ENGINEERING GROUP, INC. IN THE EVENT OF A DISPUTE, THE THIRD PARTY SHALL HOLD THE FIRM OF PROVOST & PRITCHARD ENGINEERING GROUP, INC. HARMLESS. PROVOST & PRITCHARD ENGINEERING GROUP, INC.'S LEGAL FEES ASSOCIATED WITH DEFENDING AND ENFORCING THESE RIGHTS.



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

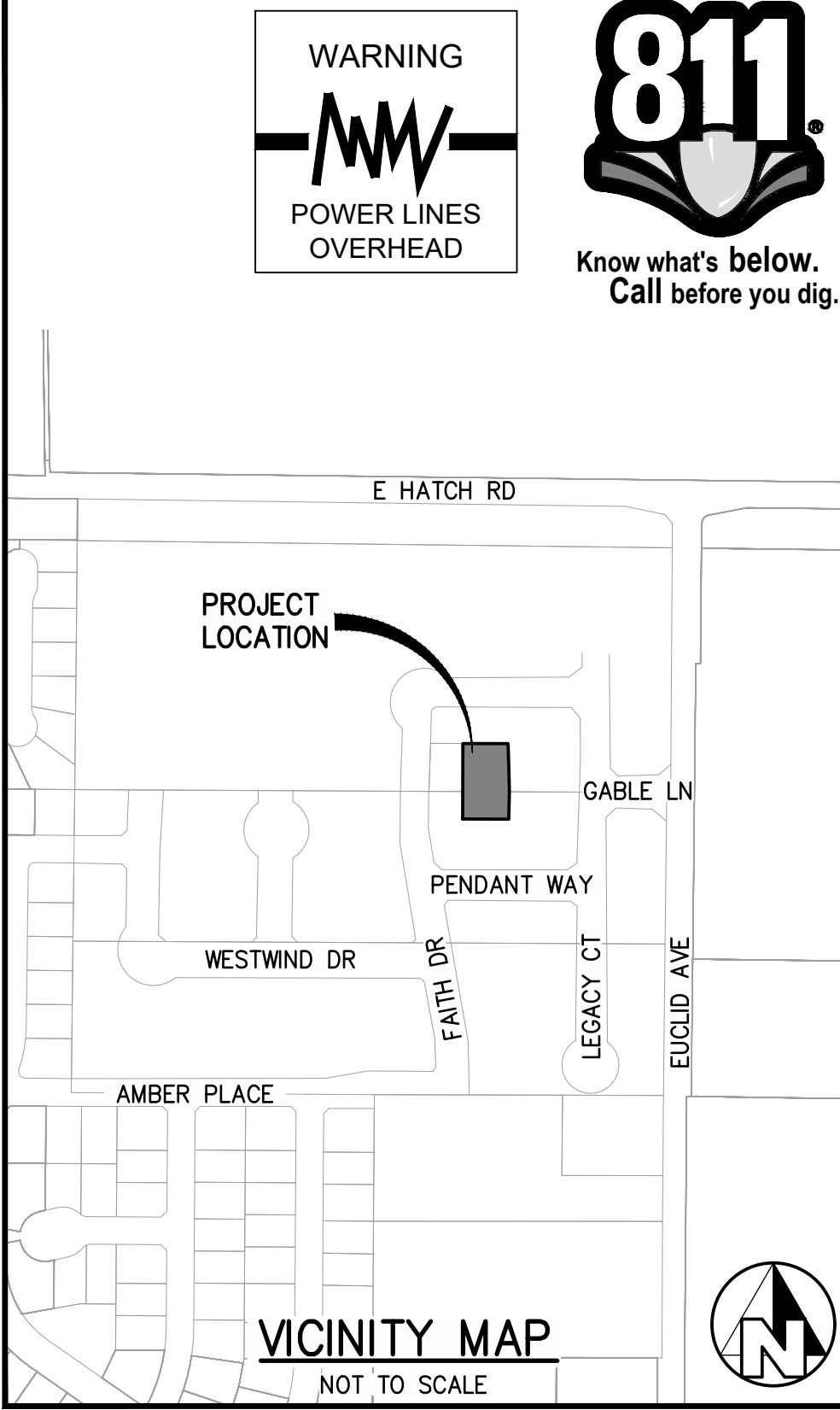


DATE SIGNED: 1/31/2024



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.



EST. 1968

PROVOST & PRITCHARD

CONSULTING GROUP

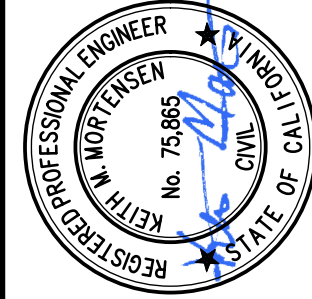
An Employee Owned Company

455 W. FAIR AVENUE
CLOVIS, CALIFORNIA 93611
5594462700 FAX 55944692715
https://provostandpritchard.com

DESIGN ENGINEER:
KMM
LICENSE NO:
75865
DRAFTED BY:
JB
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

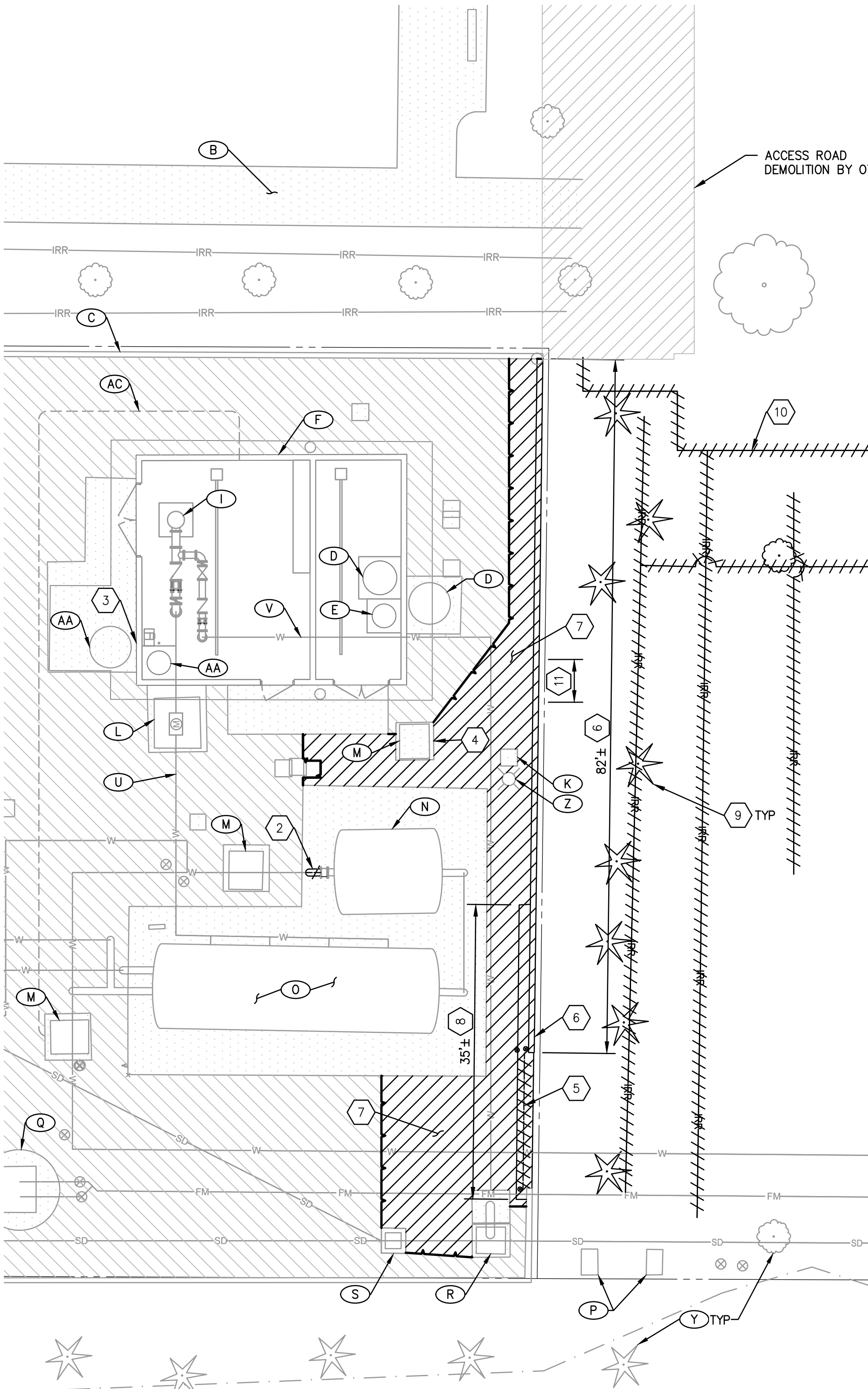
WELL 8 TCP MITIGATION PROJECT
CITY OF HUGHSON
HUGHSON, CA
WELL 8 GAC TREATMENT
HORIZONTAL CONTROL PLAN



BID SET
1/31/2024

No.	REVISION	BY	DATE

COPYRIGHT 2024 BY PROVOST & PRITCHARD CONSULTING GROUP. ALL RIGHTS RESERVED. ENGINEERING GROUP, INC. AND ITS EMPLOYEES, INC. EXPRESSLY RESERVES ITS COMMON LAW COPYRIGHT AND OTHER RIGHTS IN THIS DOCUMENT. THESE PLANS ARE NOT TO BE REPRODUCED, CHANGED, OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE USED FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY THE WRITTEN PERMISSION AND CONSENT OF PROVOST & PRITCHARD ENGINEERING GROUP, INC. IN THE EVENT OF A DISPUTE, THE THIRD PARTY SHALL HOLD THE FIRM OF PROVOST & PRITCHARD ENGINEERING GROUP, INC. HARMLESS. PROVOST & PRITCHARD ENGINEERING GROUP, INC.'S LEGAL FEES ASSOCIATED WITH DEFENDING AND ENFORCING THESE RIGHTS.



NOTES

- DEMOLITION TO BE COORDINATED WITH CITY OF HUGHSON, COUNTY OF STANISLAUS, PG&E AND ADJACENT LANDOWNERS.
- 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.
- ALL EQUIPMENT AND MATERIALS TO BE REMOVED AND/OR DEMOLISHED SHALL BE DISPOSED OF OFFSITE BY THE CONTRACTOR.
- ANY SURFACING THAT IS DISTURBED OUTSIDE THE LIMITS SHOWN SHALL BE REMOVED AND REPLACED.
- 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.
- PROVIDE PERMANENT OR TEMPORARY FENCING AT ALL TIMES.
- SEE COORDINATE SHEET C-7 FOR REMOVAL LIMIT LOCATIONS TYPICAL.

LEGEND

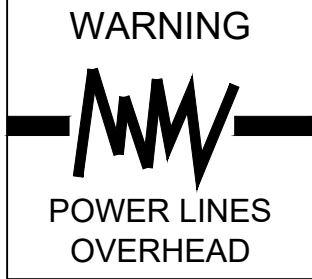
- (//) (APPROXIMATE LIMITS OF AREA TO BE DEMOLISHED)
- (-/-/-) (APPROXIMATE LOCATION TO DEMOLISH UTILITY OR GATE)
- (---) SAWCUT LINE, TYPICAL AT EDGES WHERE AC OR CONCRETE IS DEMOLISHED

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 | |

DEMOLITION CALLOUTS

- REMOVE AND DISPOSE OF (E) 12" WATER LINE (PORTION REQUIRED FOR PROPOSED VALVES AND TEE CONNECTIONS)
- REMOVE AND DISPOSE OF (E) 10" WATER LINE SEE DETAIL 1 - PIPING CONNECTION ELEVATION VIEW SHEET C-9
- 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
- DRILL HOLE THROUGH (E) CHEMICAL FEED CONCRETE VAULT. AND REMOVE AND DISPOSE OF FERRIC CHLORIDE LINE. SEE DETAIL 1 SHEET D-4
- REMOVE (E) ROLLING GATE (17'±) AND ALL PARTS. STORE FOR REINSTALLATION
- REMOVE AND DISPOSE OF (E) CMU WALL AND VERTICAL PORTION OF FOOTING REQUIRED FOR PROPOSED CONSTR.
- REMOVE AND DISPOSE OF (E) AC PAVEMENT
- REMOVE AND DISPOSE OF (E) CONCRETE GATE SUPPORT STRIPE
- RELOCATE OR REMOVE AND DISPOSE OF (E) TREES/SHRUBS PER CITY OF HUGHSON
- 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.
- REMOVE AND DISPOSE OF (E) CONCRETE WALL FOOTING WHERE REQUIRED FOR PROPOSED PIPING, TYPICAL



COPYRIGHT 2024 BY PROVEST & PRITCHARD ENGINEERING GROUP, INC. ALL RIGHTS RESERVED. PROVEST & PRITCHARD ENGINEERING GROUP, INC. expressly reserves its common law copyright and moral rights in this drawing. No part of this drawing may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission and consent of Provest & Pritchard Engineering Group, Inc. in the event of a conflict between this statement and any other statement, this statement shall control. The third party shall hold the firm of Provest & Pritchard Engineering Group, Inc. harmless from and defend, protect, and indemnify the firm of Provest & Pritchard Engineering Group, Inc. from and against all claims, damages, losses, and expenses, including reasonable attorneys' fees, arising from or in connection with the use of this drawing.

BID SET
1/31/2024



WELL 8 TCP MITIGATION PROJECT

CITY OF HUGHSON
HUGHSON, CA

WELL 8 GAC TREATMENT

DEMOLITION PLAN

EST. 1968
PROVEST & PRITCHARD
CONSULTING GROUP
An Employee Owned Company
455 W. FRAVENE
CLOVIS, CALIFORNIA 93811
559.446.2700 FAX 559.449.2715
info@provestpritchard.com

DESIGN ENGINEER:

KMM
LICENSE NO:
75865

DRAFTED BY:
JB

CHECKED BY:
RKB

DATE: 1/31/2024

JOB NO: 265421001

PROJECT NO:

PHASE:

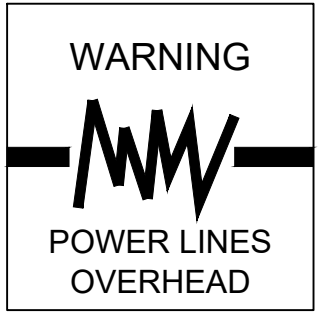
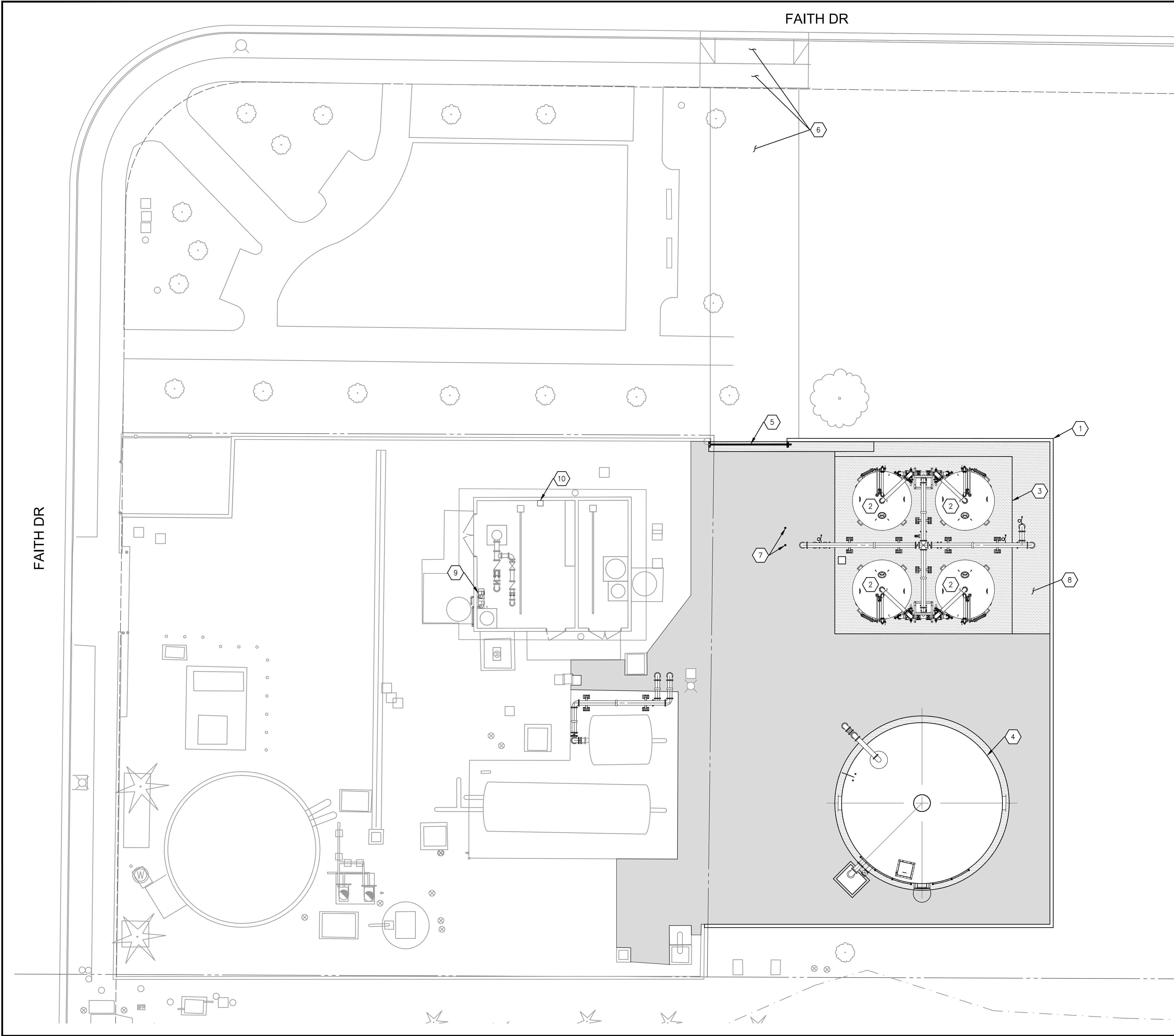
ORIGINAL SCALE SHOWN IS
ONE INCH. ADJUST SCALE FOR
REDUCED OR ENLARGED PLANS.

SHEET

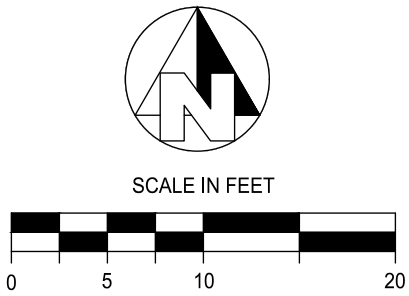
9

OF

35



- 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)



EST. 1968
PROVOST & PRITCHARD
CONSULTING GROUP
An Employee Owned Company
455 W. FAIRVIEW
CLOVIS, CALIFORNIA 93811
559.449.2700 FAX 559.449.2715
https://provostandpritchard.com

DESIGN ENGINEER:

KMM
LICENSE NO: 75865

DRAFTED BY: JJB
CHECKED BY: RKB

DATE: 1/31/2024
JOB NO: 265421001

PROJECT NO:

PHASE:

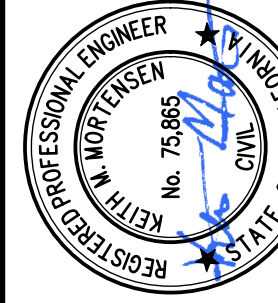
ORIGINAL SCALE SHOWN IS
ONE INCH. ADJUST SCALE FOR
REDUCED OR ENLARGED PLANS.

SHEET **C-3**

10 OF 35

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

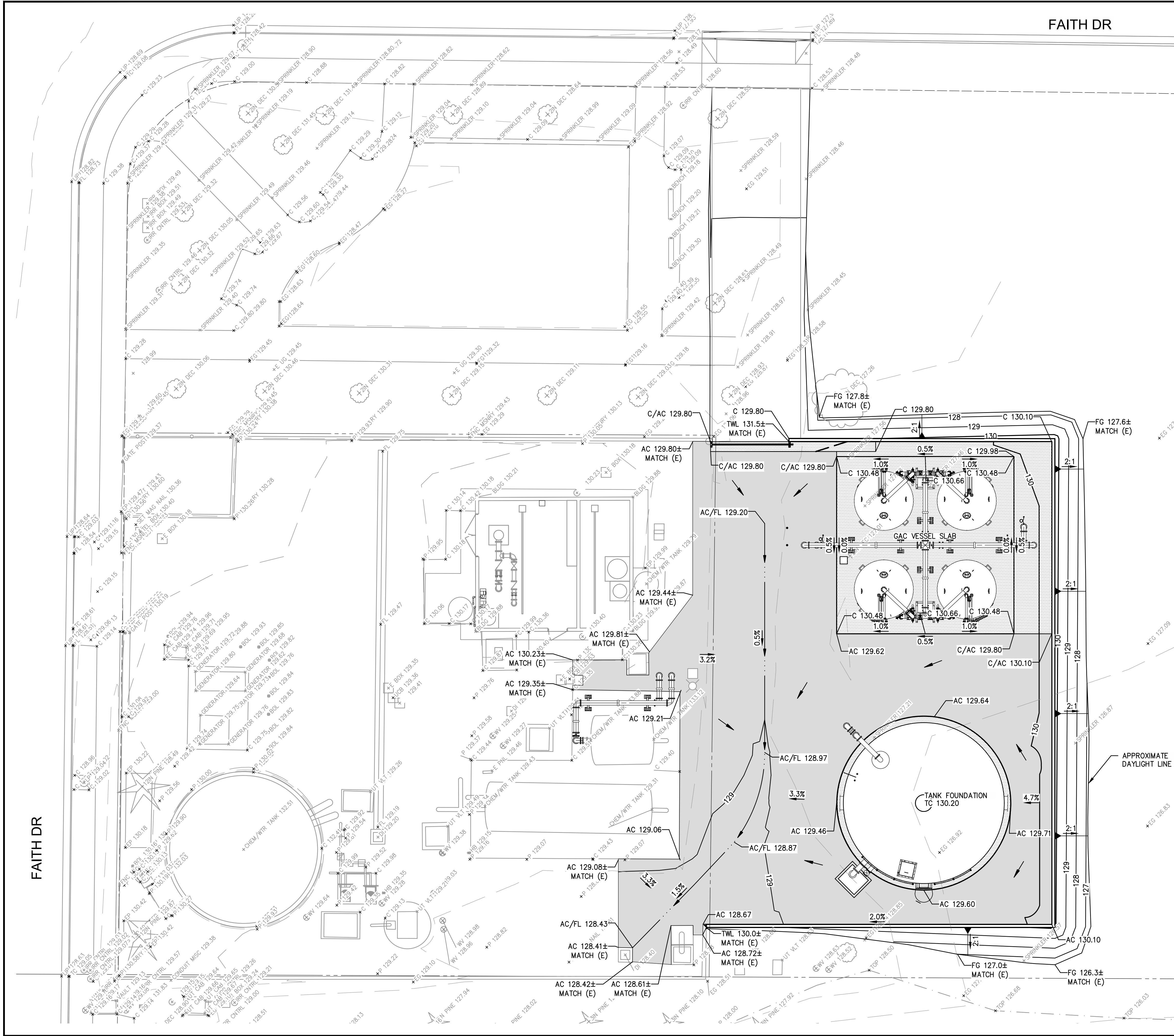
SITE PLAN



BID SET
1/31/2024

COPYRIGHT 2024 BY PROVOST & PRITCHARD CONSULTING GROUP, INC. ALL RIGHTS RESERVED. PROVOST & PRITCHARD CONSULTING GROUP, INC. EXPRESSLY RESERVES ITS COMMON LAW COPYRIGHT AND OTHER RIGHTS IN THIS DESIGN. THIS DESIGN AND ANY PLANS ARE NOT TO BE REPRODUCED, CHANGED, OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE USED FOR ANY PURPOSE WITHOUT THE WRITTEN PERMISSION AND CONSENT OF PROVOST & PRITCHARD CONSULTING GROUP, INC. IN THE EVENT OF A DISPUTE, THE THIRD PARTY SHALL HOLD THE FIRM OF PROVOST & PRITCHARD CONSULTING GROUP, INC. HARMLESS FROM ALL CLAIMS, DAMAGES, LOSSES, AND EXPENSES, INCLUDING REASONABLE ATTORNEY'S FEES, INCURRED BY PROVOST & PRITCHARD CONSULTING GROUP, INC.'S LEGAL TEAM ASSOCIATED WITH DEFENDING AND ENFORCING THESE RIGHTS.

NO.	REVISION	BY	DATE

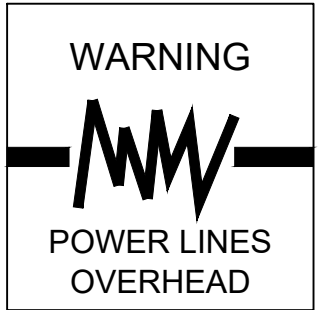


LEGEND

- 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

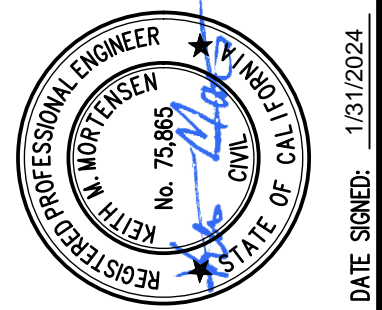
NOTES

- 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



COPYRIGHT 2024 BY PROVOST & PRITCHARD ENGINEERING GROUP, INC. ALL RIGHTS RESERVED. ENGINEERING GROUP, INC. EXPRESSLY RESERVES ITS COMMON LAW COPYRIGHT AND OTHER RIGHTS IN THIS DOCUMENT. THESE PLANS ARE NOT TO BE REPRODUCED, CHANGED, OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE USED FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY THE WRITTEN PERMISSION AND CONSENT OF PROVOST & PRITCHARD ENGINEERING GROUP, INC. IN THE EVENT OF A DISCREPANCY BETWEEN THESE PLANS AND ANY OTHER DOCUMENTS, THESE PLANS SHALL CONTROL. THE THIRD PARTY SHALL HOLD THE FIRM OF PROVOST & PRITCHARD ENGINEERING GROUP, INC. HARMLESS FROM AND AGAINST ALL CLAIMS, DAMAGES, LOSSES, AND EXPENSES, INCLUDING REASONABLE ATTORNEY'S FEES, INCURRED BY PROVOST & PRITCHARD ENGINEERING GROUP, INC.'S LEGAL FEES ASSOCIATED WITH DEFENDING AND ENFORCEMENT OF THESE RIGHTS.

BID SET
1/31/2024



WELL 8 TCP MITIGATION PROJECT

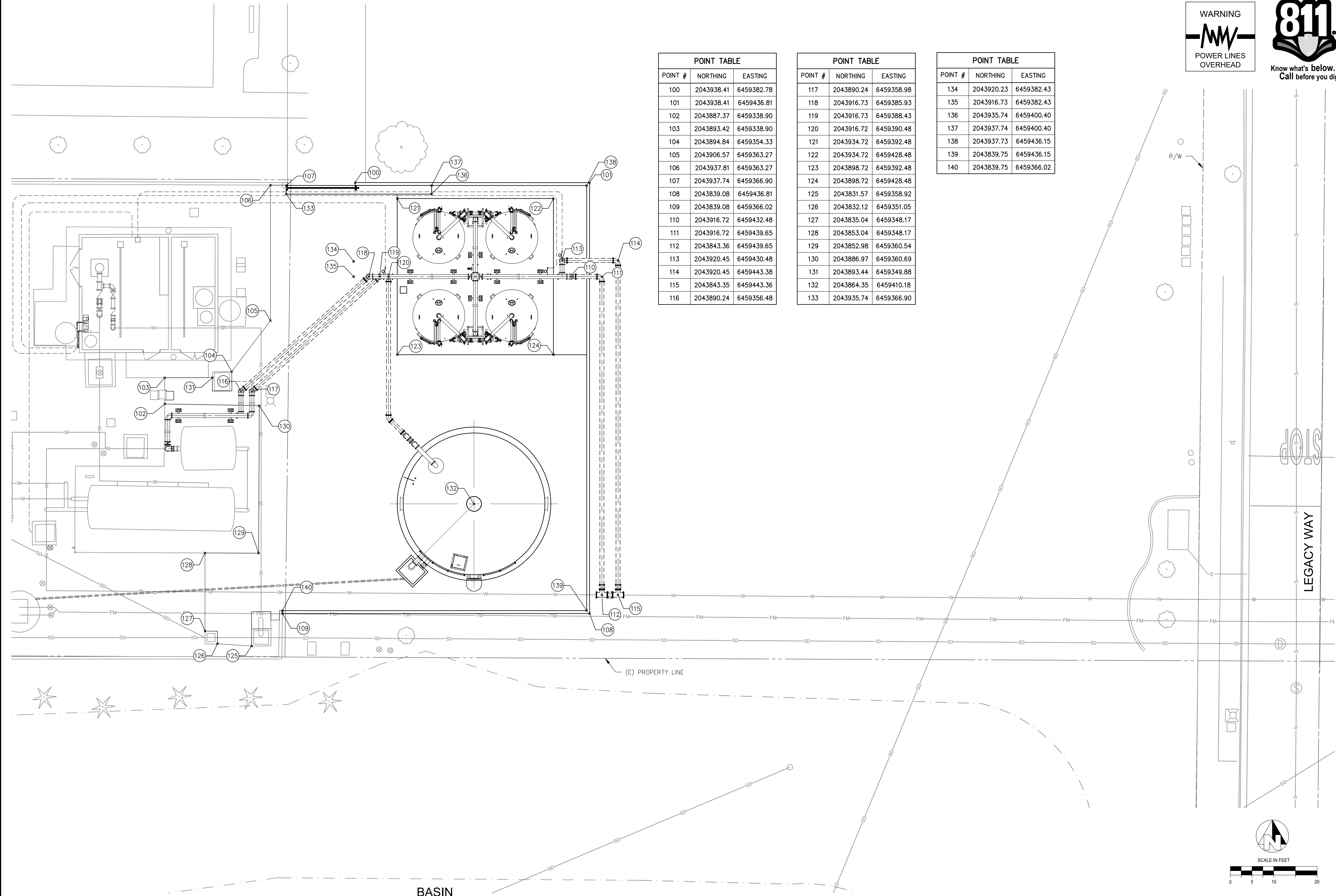
CITY OF HUGHSON
HUGHSON, CA
WELL 8 GAC TREATMENT

GRADING PLAN

EST. 1968
PROVOST & PRITCHARD
CONSULTING GROUP
An Employee Owned Company
465 W. FRAVENE
CLOVIS, CALIFORNIA 93611
559-462-2000 FAX 559-469-2715
https://provestandpritchard.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-4

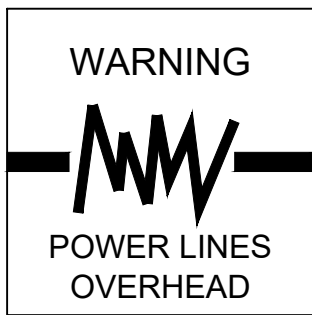
11 OF 35



POINT TABLE		
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

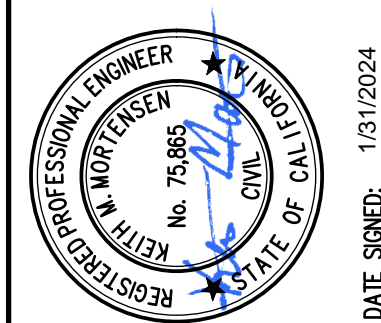
POINT TABLE		
POINT #	NORTHING	EASTING
117	2043890.24	6459358.98
118	2043916.73	6459385.93
119	2043916.73	6459388.43
120	2043916.72	6459390.48
121	2043934.72	6459392.48
122	2043934.72	6459428.48
123	2043898.72	6459392.48
124	2043898.72	6459428.48
125	2043831.57	6459358.92
126	2043832.12	6459351.05
127	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 TABLE		
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



COPYRIGHT 2024 BY PROVOST & PRITCHARD ENGINEERING GROUP, INC. ALL RIGHTS RESERVED. PROVOST & PRITCHARD ENGINEERING GROUP, INC. EXPRESSLY RESERVES ITS COMMON LAW COPYRIGHT AND ALL OTHER RIGHTS IN THIS DOCUMENT. THESE PLANS ARE NOT TO BE REPRODUCED, CHANGED, OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE USED FOR ANY PURPOSE OTHER THAN THAT AUTHORIZED BY THE WRITTEN PERMISSION AND CONSENT OF PROVOST & PRITCHARD ENGINEERING GROUP, INC. IN THE EVENT OF A DISCREPANCY BETWEEN THESE PLANS AND ANY OTHER DOCUMENTS, THESE PLANS SHALL HOLD THE FIRM OF PROVOST & PRITCHARD ENGINEERING GROUP, INC. AS THE AUTHORITY. PROVOST & PRITCHARD ENGINEERING GROUP, INC.'S LEGAL FEES ASSOCIATED WITH DEFENDING AND ENFORCEING THESE RIGHTS.

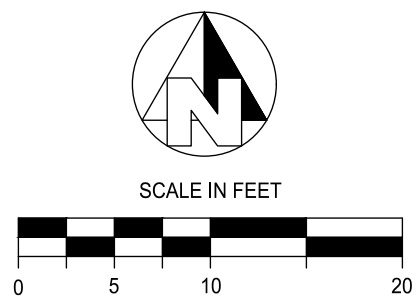
BID SET
1/31/2024

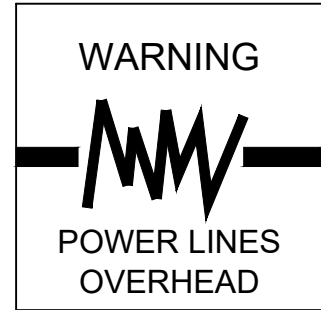
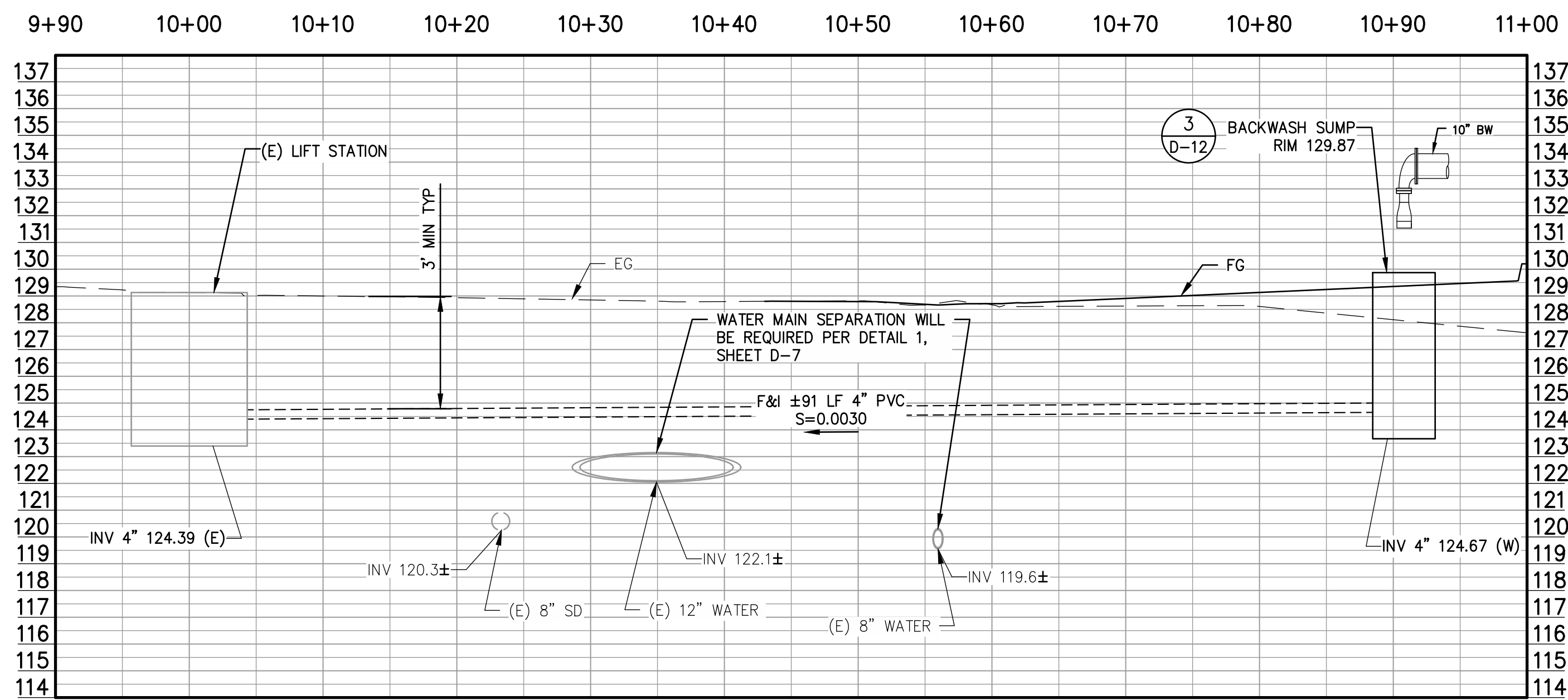
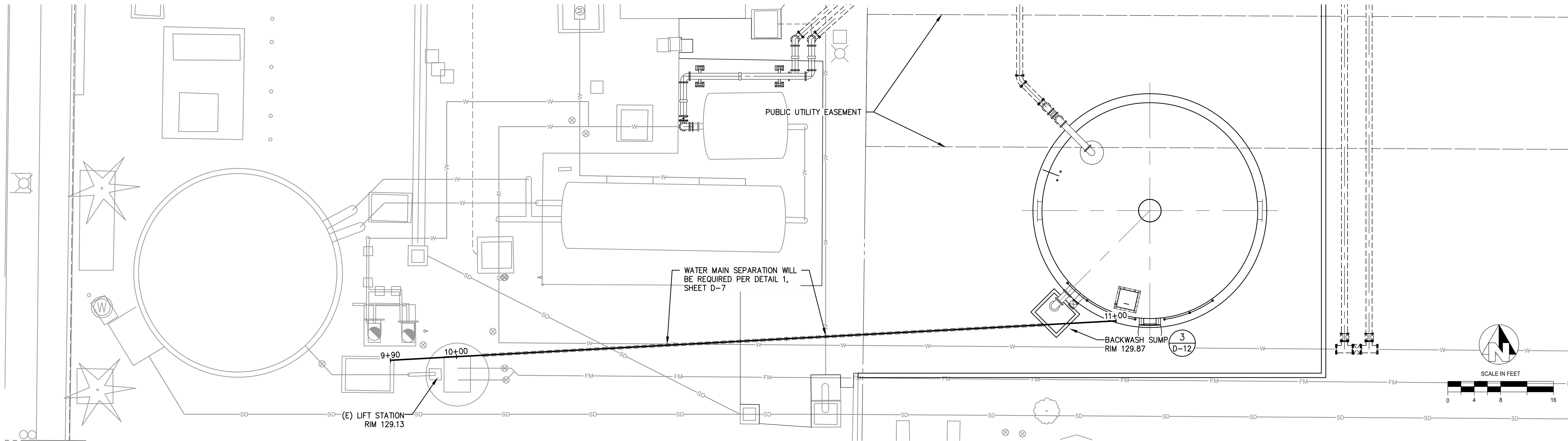


WELL 8 TCP MITIGATION PROJECT
CITY OF HUGHSON
HUGHSON, CA
WELL 8 GAC TREATMENT
SITE COORDINATES

EST. 1968
PROVOST & PRITCHARD
CONSULTING GROUP
An Employee Owned Company
455 W. FRANKLIN AVE.
CLOVIS, CALIFORNIA 93611
559.446.2700 FAX 559.446.2715
https://provostandpritchard.com

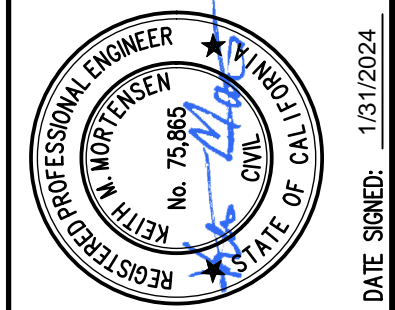
DESIGN ENGINEER:
KMM
LICENSE NO:
75865
DRAFTED BY:
JB
CHECKED BY:
RKB
DATE: 1/31/2024
JOB NO: 265421001
PROJECT NO:
PHASE:
ORIGINAL SCALE SHOWN IS
ONE INCH. ADJUST SCALE FOR
REDUCED OR ENLARGED PLANS.
SHEET
C-6
13 OF 35





COPYRIGHT 2024 BY PROVOST & PRITCHARD ENGINEERING GROUP, INC. ALL RIGHTS RESERVED. PROVOST & PRITCHARD ENGINEERING GROUP, INC. EXPRESSLY RESERVES ITS COMMON LAW COPYRIGHT AND ALL OTHER RIGHTS IN THIS DOCUMENT. NO PART OF THIS DOCUMENT IS TO BE REPRODUCED, COPIED, OR REPRODUCED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE TRANSMITTED IN ANY MANNER WHATSOEVER, WITHOUT THE WRITTEN PERMISSION AND CONSENT OF PROVOST & PRITCHARD ENGINEERING GROUP, INC. IN THE EVENT OF A DISPUTE, THE THIRD PARTY SHALL HOLD THE FIRM OF PROVOST & PRITCHARD ENGINEERING GROUP, INC. HARMLESS FROM AND AGAINST ALL CLAIMS, DAMAGES, LOSSES, AND EXPENSES, INCLUDING REASONABLE ATTORNEY'S FEES, INCURRED BY PROVOST & PRITCHARD ENGINEERING GROUP, INC.'S LEGAL FEES ASSOCIATED WITH DEFENDING AND ENFORCING THESE RIGHTS.

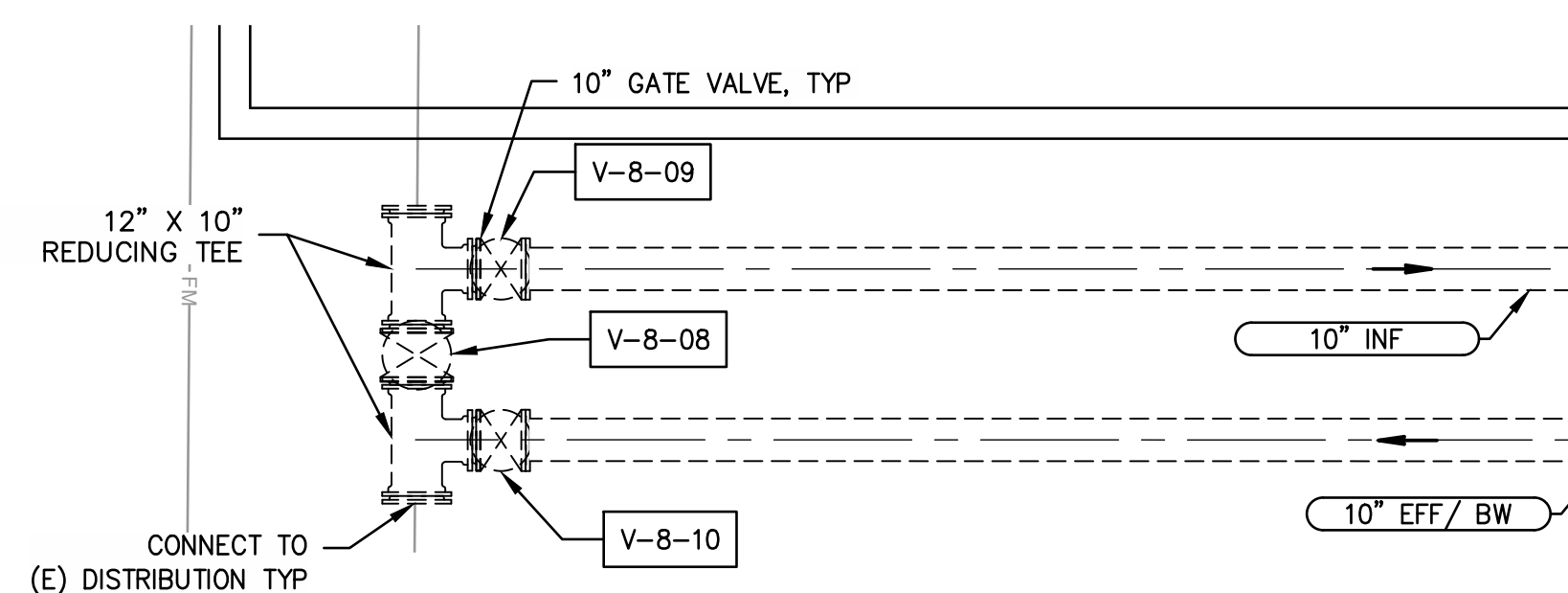
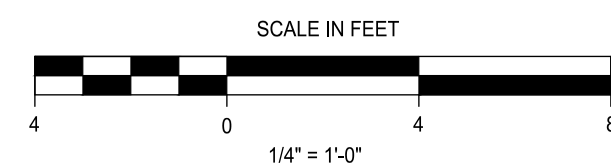
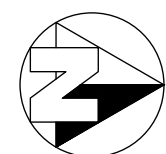
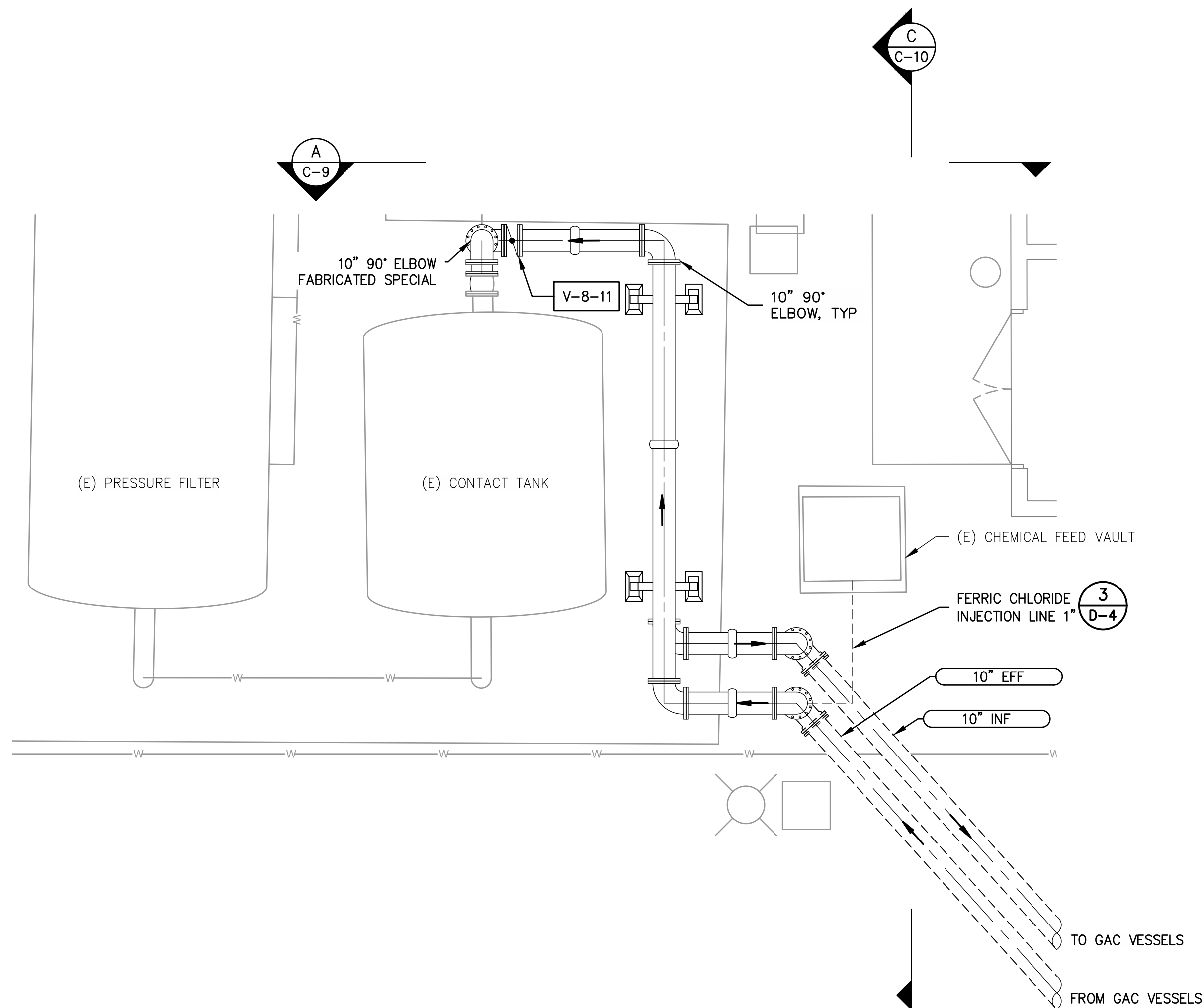
BID SET
1/31/2024



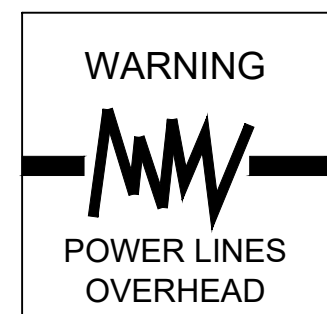
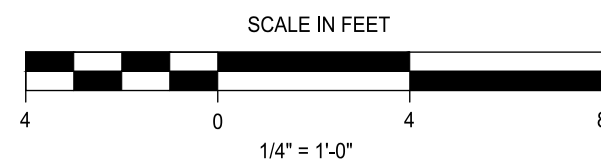
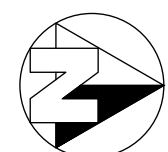
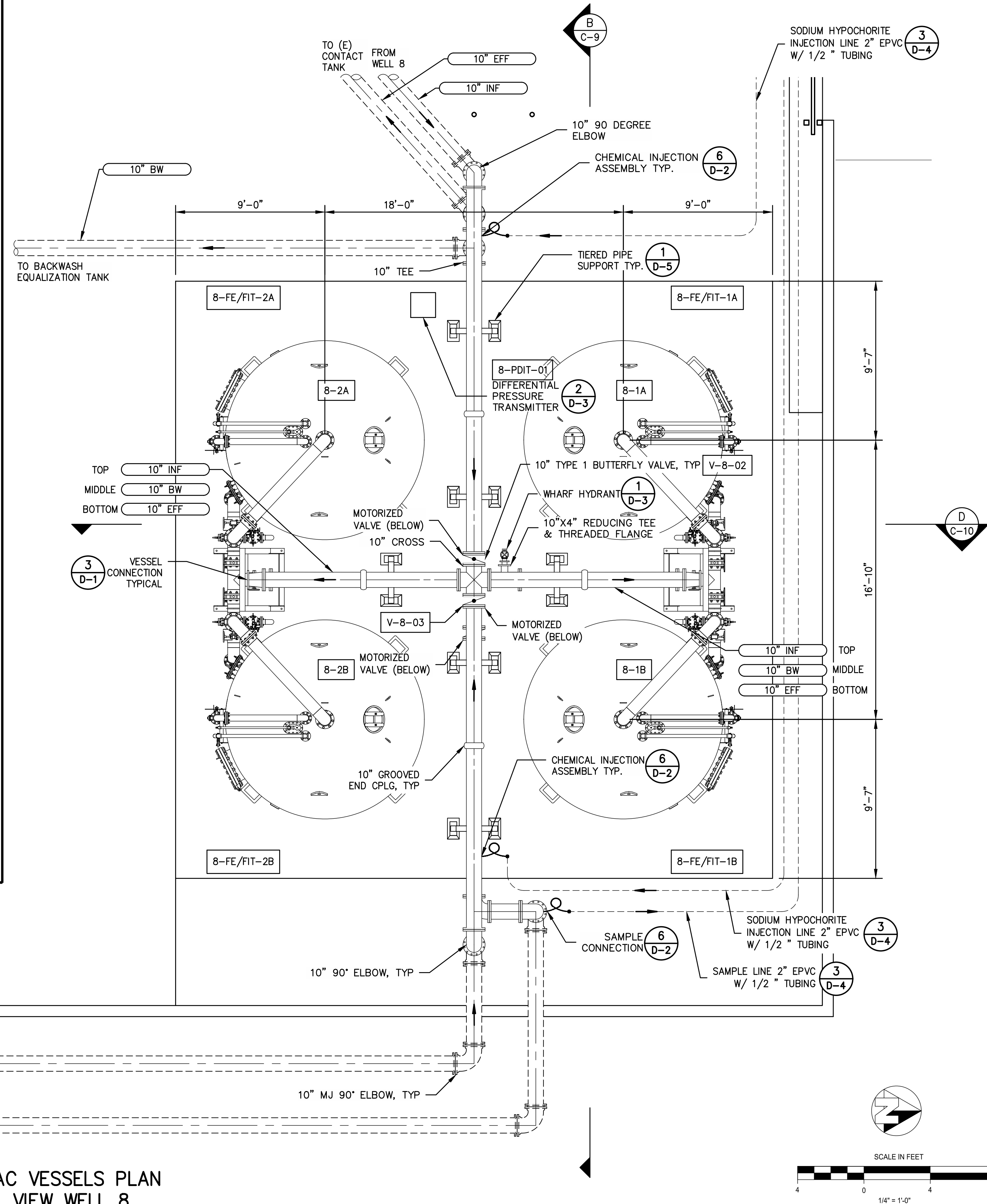
WELL 8 TCP MITIGATION PROJECT
CITY OF HUGHSON
HUGHSON, CA
WELL 8 GAC TREATMENT
STORM DRAIN PIPING PLAN

EST. 1968
PROVOST & PRITCHARD
CONSULTING GROUP
An Employee Owned Company
CLOVIS, CALIFORNIA 93811
559.449.2700 FAX 559.449.2715
https://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-7
14 OF 35

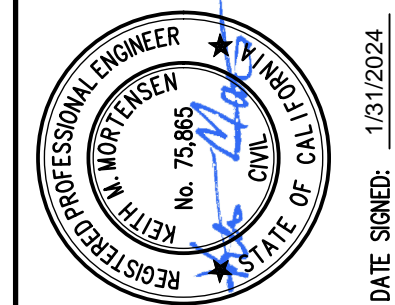


GAC VESSELS PLAN
VIEW WELL 8



COPYRIGHT 2024 BY PROVOST & PRITCHARD CONSULTING GROUP, INC. ALL RIGHTS RESERVED. ENGINEERING GROUP, INC. EXPRESSLY RESERVES ITS COMMON LAW COPYRIGHT AND OTHER RIGHTS IN THIS DOCUMENT. THIS DOCUMENT IS THE PROPERTY OF PROVOST & PRITCHARD CONSULTING GROUP, INC. AND IS NOT TO BE REPRODUCED, CHANGED, OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE USED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION AND CONSENT OF PROVOST & PRITCHARD CONSULTING GROUP, INC. THE THIRD PARTY SHALL HOLD THE FIRM OF PROVOST & PRITCHARD CONSULTING GROUP, INC. LIABLE FOR ANY AND ALL DAMAGES, INCLUDING REASONABLE ATTORNEY'S FEES, AND SHALL INDEMNIFY AND HOLD HARMLESS PROVOST & PRITCHARD CONSULTING GROUP, INC.'S LEGAL FEES ASSOCIATED WITH DEFENDING AND ENFORCING THESE RIGHTS.

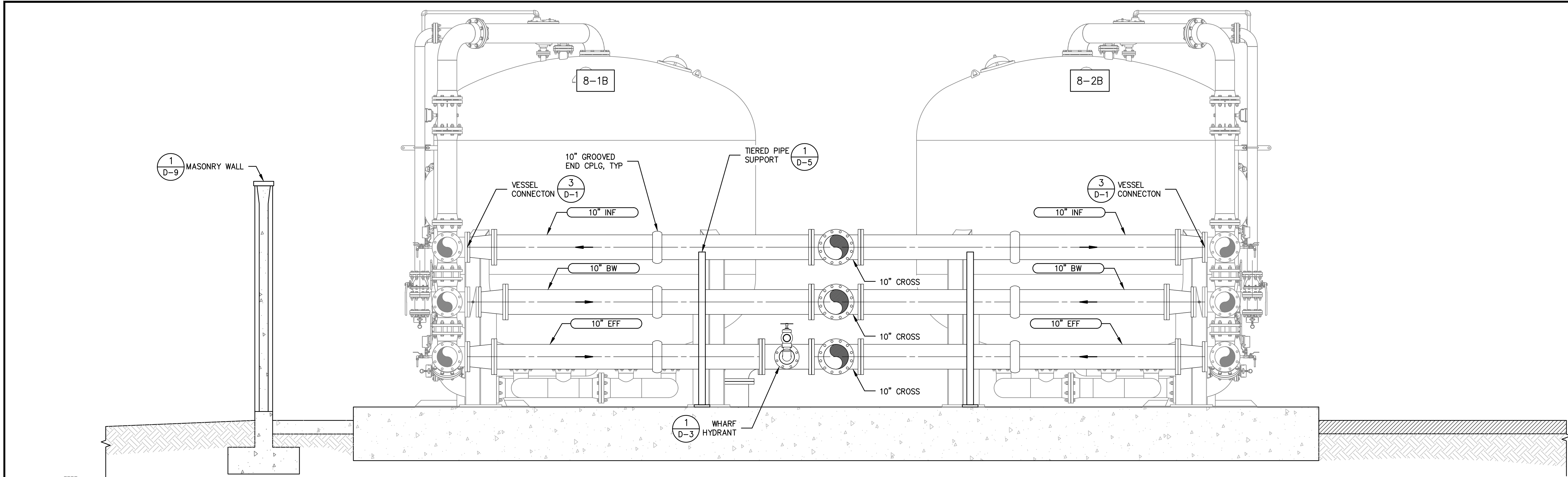
BID SET
1/31/2024



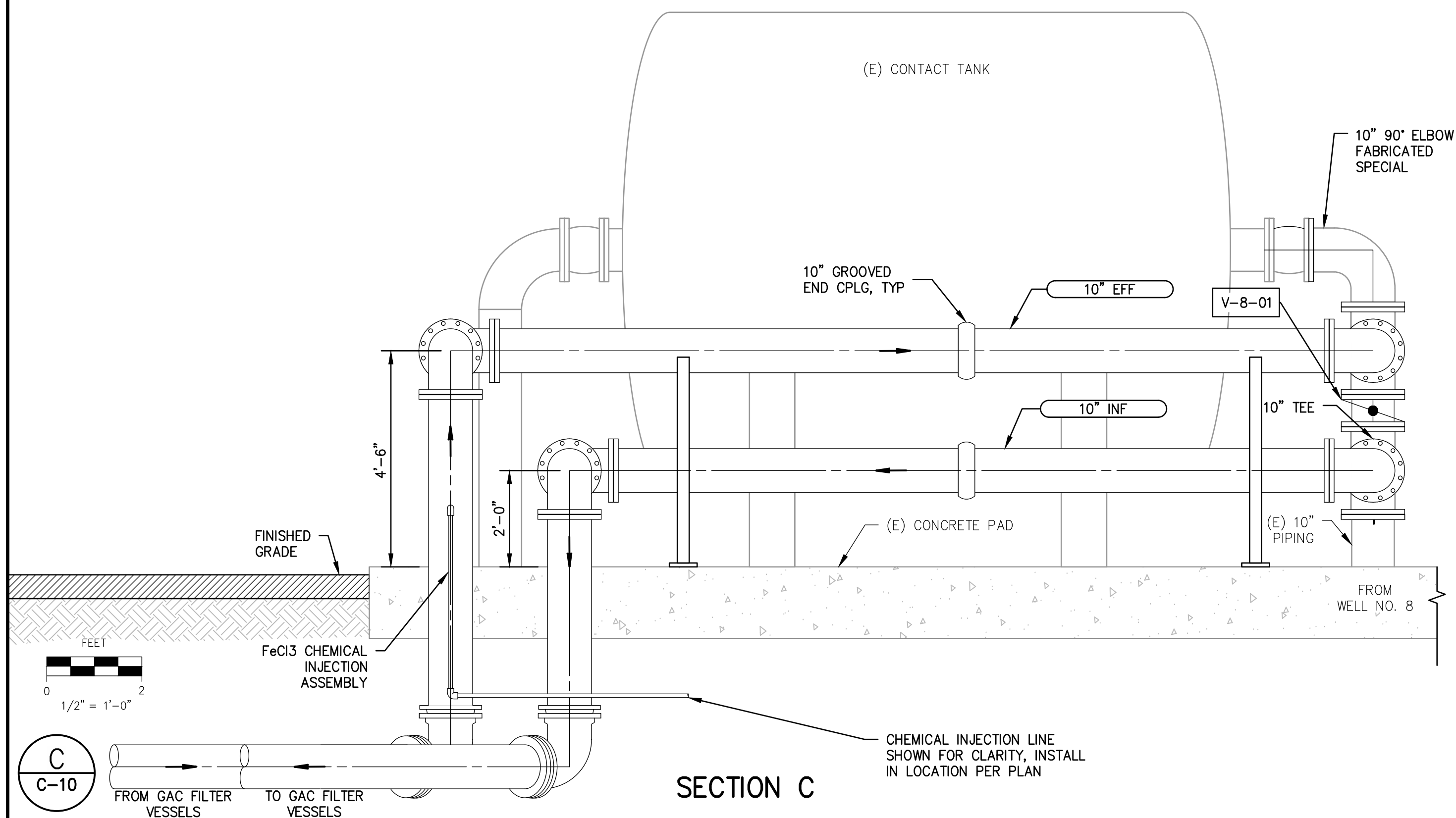
WELL 8 TCP MITIGATION PROJECT
CITY OF HUGHSON
HUGHSON, CA
WELL 8 GAC TREATMENT
VESSEL SLAB PLAN

EST. 1968
PROVOST & PRITCHARD
CONSULTING GROUP
An Employee Owned Company
455 W. FRAVIER AVENUE
CLOVIS, CALIFORNIA 93611
559.449.2700 FAX 559.449.2715
https://provostandpritchard.com

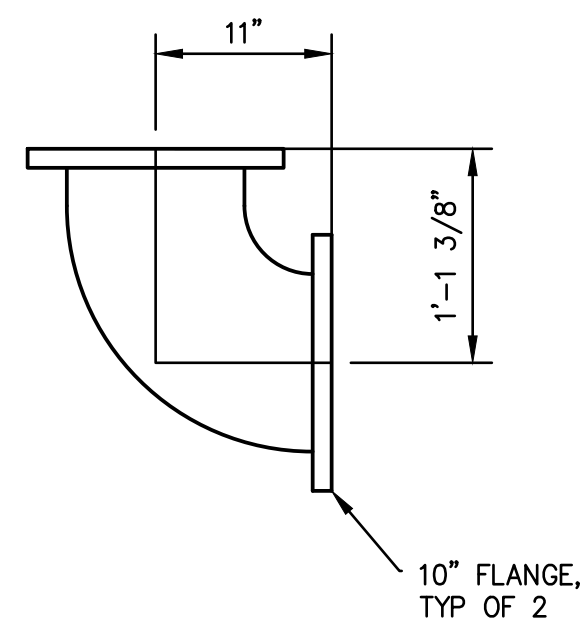
DESIGN ENGINEER:
KMM
LICENSE NO:
75865
DRAFTED BY:
JB
CHECKED BY:
RKB
DATE: 1/31/2024
JOB NO: 265421001
PROJECT NO:
PHASE:
ORIGINAL SCALE SHOWN IS
ONE INCH. ADJUST SCALE FOR
REDUCED OR ENLARGED PLANS.
SHEET
C-8
15 OF 35



SECTION D



SECTION C



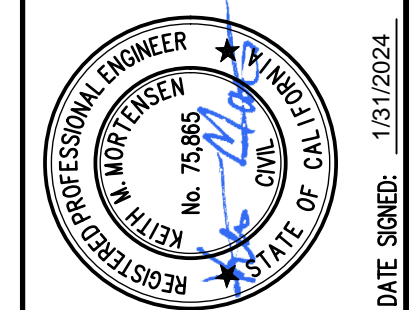
NOTES

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.

FABRICATED STEEL SPECIAL

COPYRIGHT 2024 BY PROVOST & PRITCHARD CONSULTING GROUP, INC. ALL RIGHTS RESERVED. ENGINEERING GROUP, INC. EXPRESSLY RESERVES ITS COMMON LAW COPYRIGHT AND MORAL RIGHTS IN THIS DOCUMENT. NO PART OF THIS DOCUMENT OR ITS CONTENTS MAY BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION AND CONSENT OF PROVOST & PRITCHARD CONSULTING GROUP, INC. IN THE EVENT OF A DISPUTE, THE THIRD PARTY SHALL HOLD THE FIRM OF PROVOST & PRITCHARD CONSULTING GROUP, INC. HARMLESS FROM ALL CLAIMS, DAMAGES, LOSSES, AND EXPENSES, INCLUDING ATTORNEY'S FEES, ARISING OUT OF OR RESULTING FROM THE USE OF THIS DOCUMENT. PROVOST & PRITCHARD CONSULTING GROUP, INC.'S LEGAL FEES ASSOCIATED WITH DEFENDING AND ENFORCEING THESE RIGHTS.

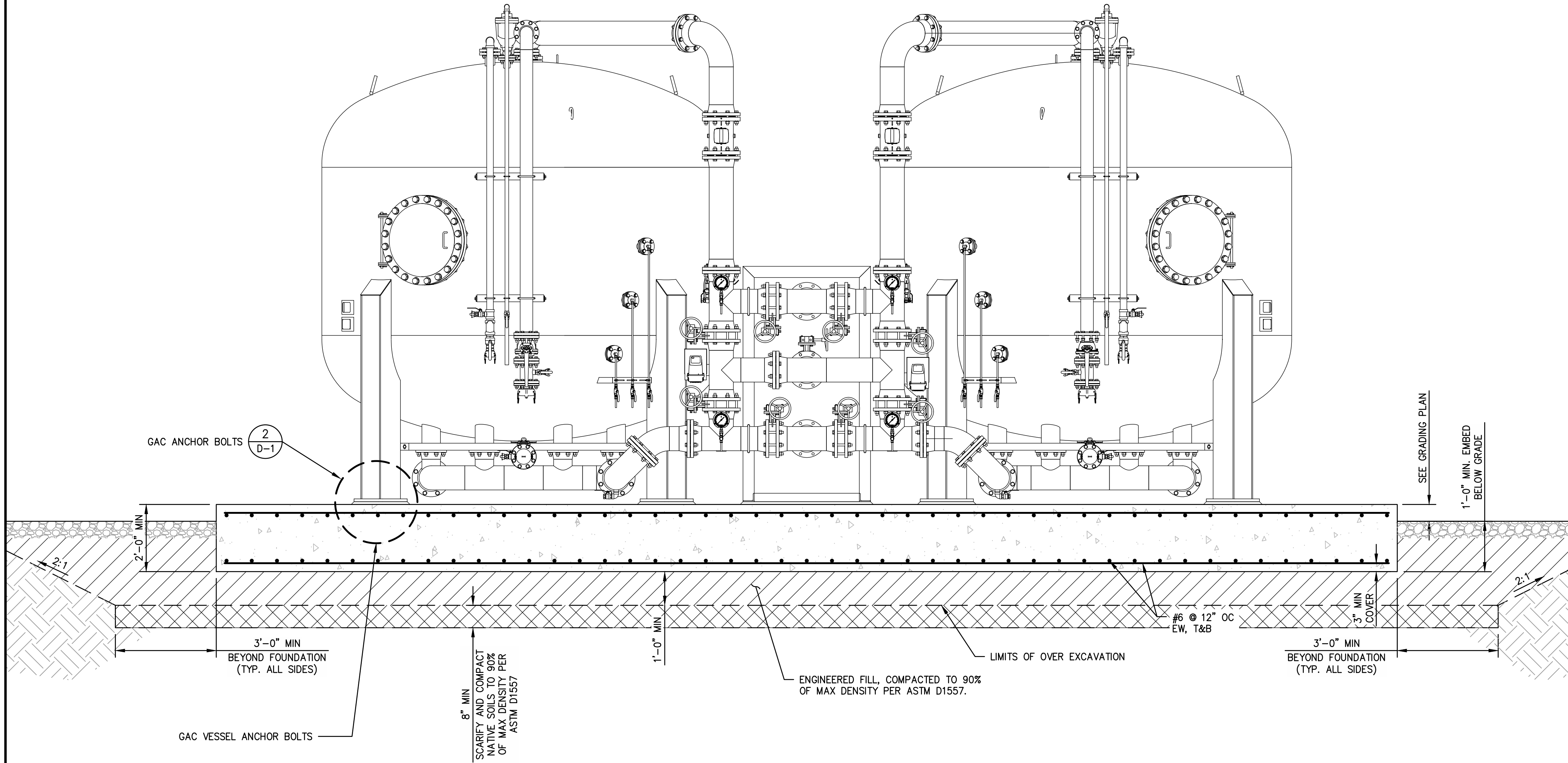
BID SET
1/31/2024



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

EST. 1968
PROVOST & PRITCHARD
CONSULTING GROUP
An Employee Owned Company
CLOVIS, CALIFORNIA 93811
559.442.2700 FAX 559.449.2715
https://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-10
17 OF 35

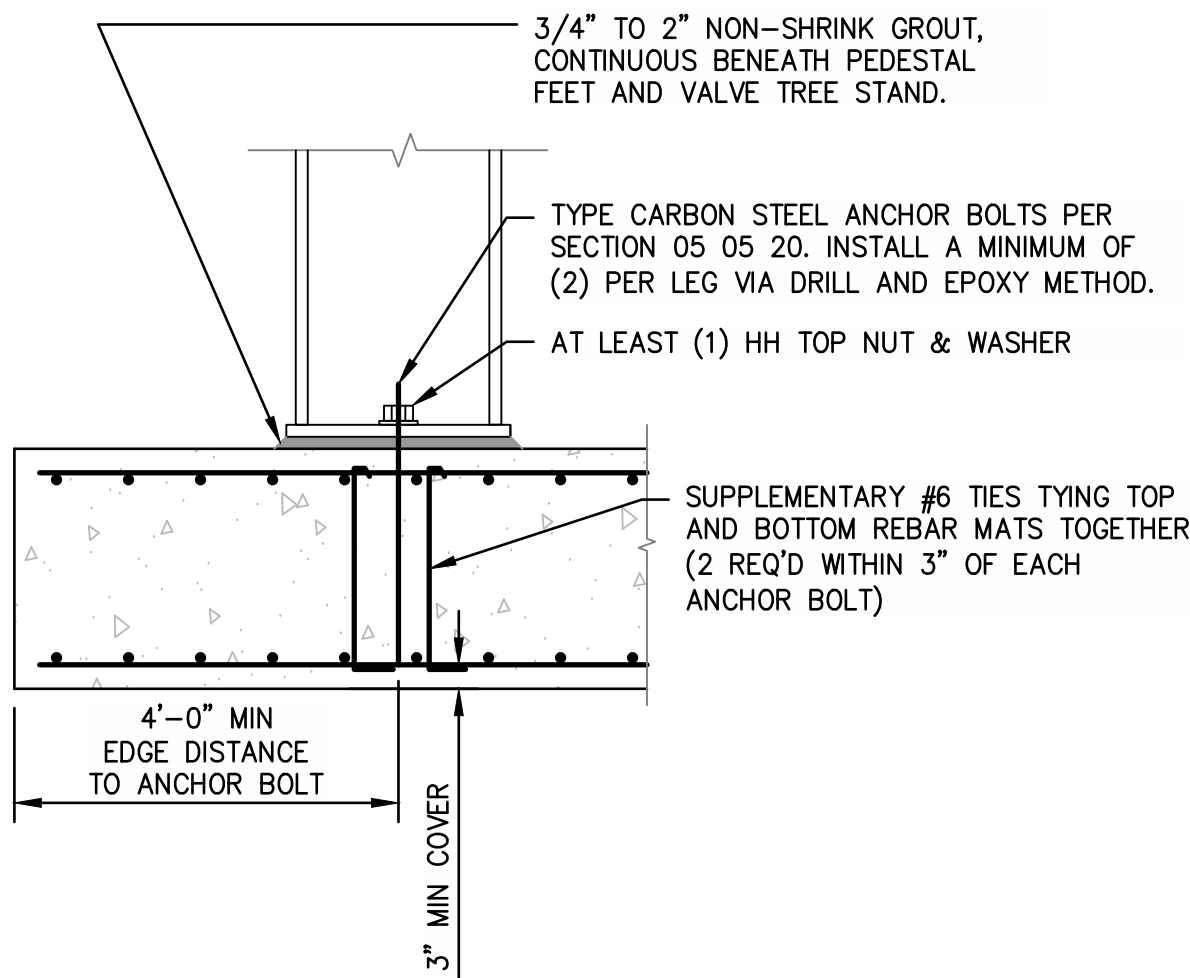


1
D-1

GAC VESSELS FRONT VIEW

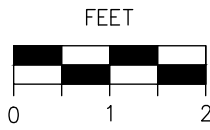
NOTES

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



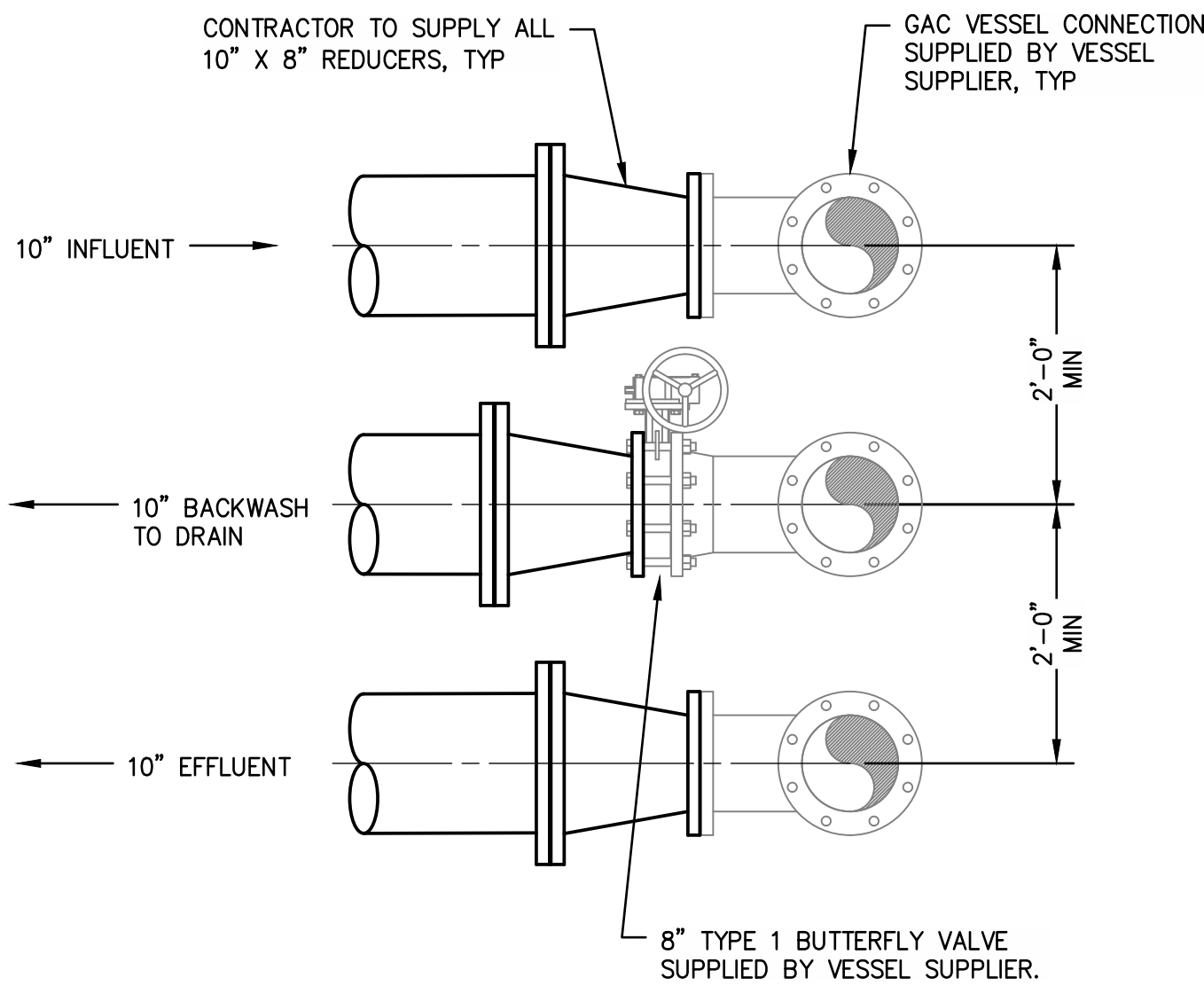
NOTES

- 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.

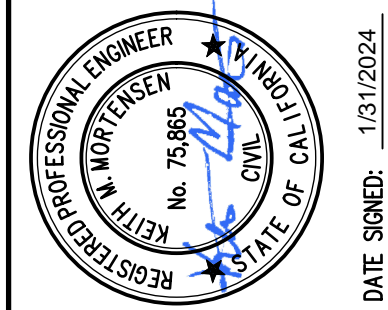
NOT TO SCALE

3
D-1

VESSEL PIPE CONNECTION

COPYRIGHT 2024 BY PROVOST & PRITCHARD ENGINEERING GROUP, INC. ALL RIGHTS RESERVED. PROVOST & PRITCHARD ENGINEERING GROUP, INC. EXPRESSLY RESERVES ITS COMMON LAW COPYRIGHT AND ALL OTHER RIGHTS IN THIS DOCUMENT. THESE PLANS ARE NOT TO BE REPRODUCED, CHANGED, OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE USED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION AND CONSENT OF PROVOST & PRITCHARD ENGINEERING GROUP, INC. IN THE EVENT OF A DISPUTE, THE THIRD PARTY SHALL HOLD THE FIRM OF PROVOST & PRITCHARD ENGINEERING GROUP, INC. HARMLESS FROM ALL SUCH CLAIMS AND DAMAGES. PROVOST & PRITCHARD ENGINEERING GROUP, INC.'S LEGAL FEES ASSOCIATED WITH DEFENDING AND ENFORCEMENT OF THESE RIGHTS.

BID SET
1/31/2024



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

EST. 1968
PROVOST & PRITCHARD
CONSULTING GROUP
An Employee Owned Company
455 W. AVE.
CLOVIS, CALIFORNIA 93611
559.449.2700 FAX 559.449.2715
https://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

2/1/2024 12:02 PM G:\Hughson-City of-2654\265421001-TCP Treatment Design\300 CAD\340 Sheet Sets\03_Details\D-1 GAC VESSELS.dwg -Jennifer Bonilla

THREADED OUTLET 1

THREADED OUTLET 2

TYPE 2 SAMPLE TAP

AIR RELEASE VALVE

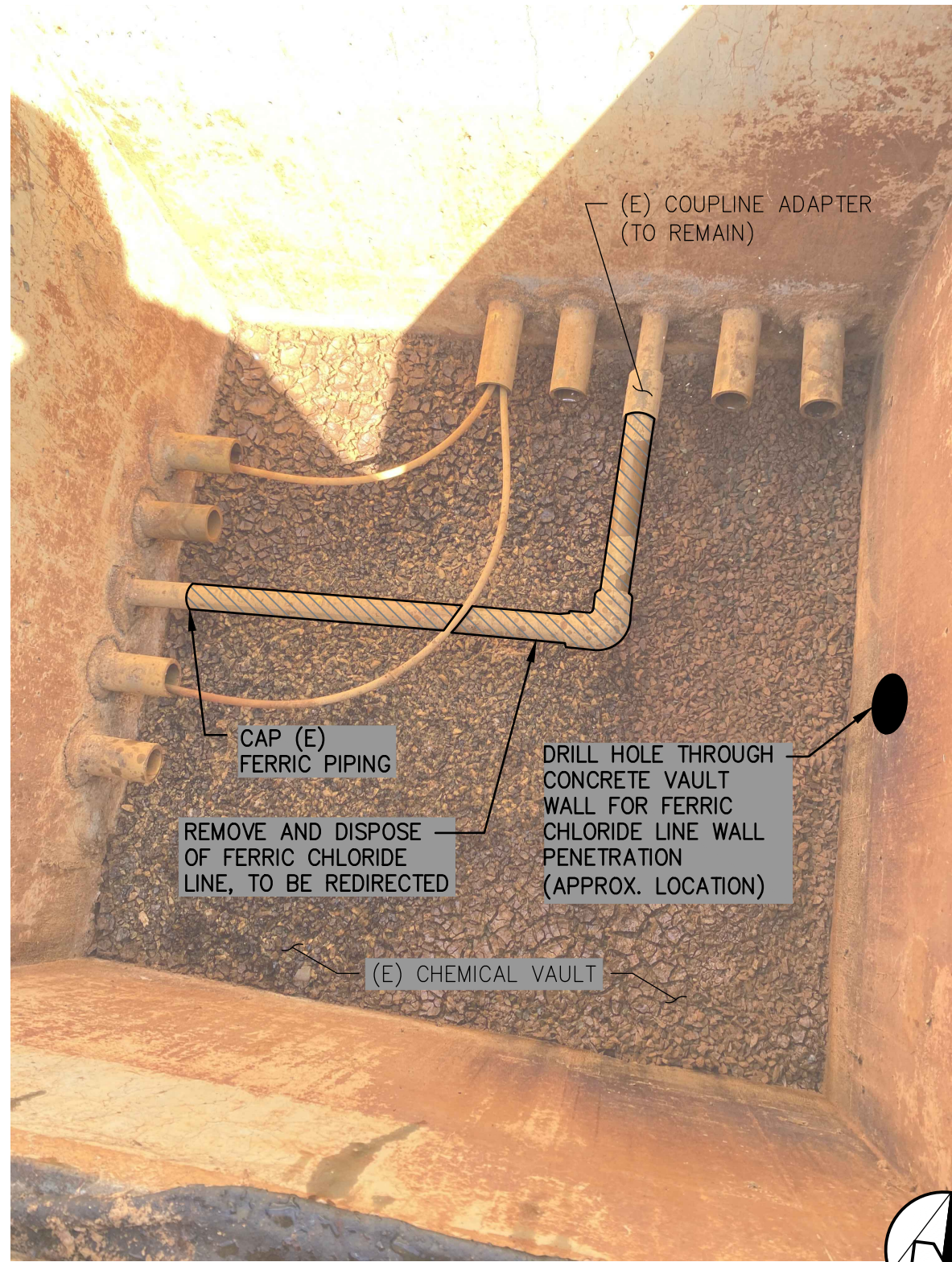
CHEMICAL INJECTION/SAMPLE TAP

CHEMICAL INJECTION/SAMPLE TAP CONNECTION



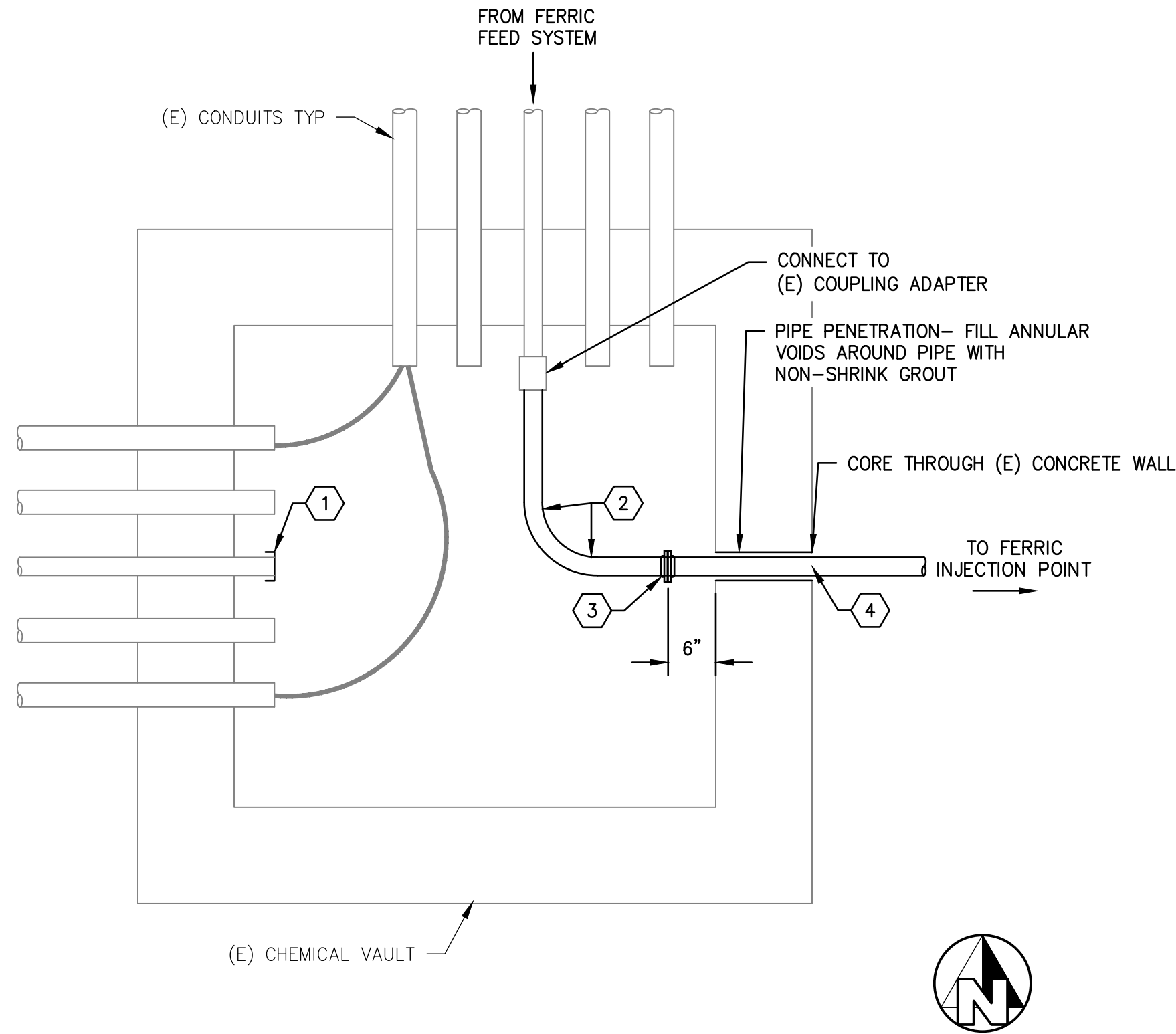
NOTES

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



1
D-4

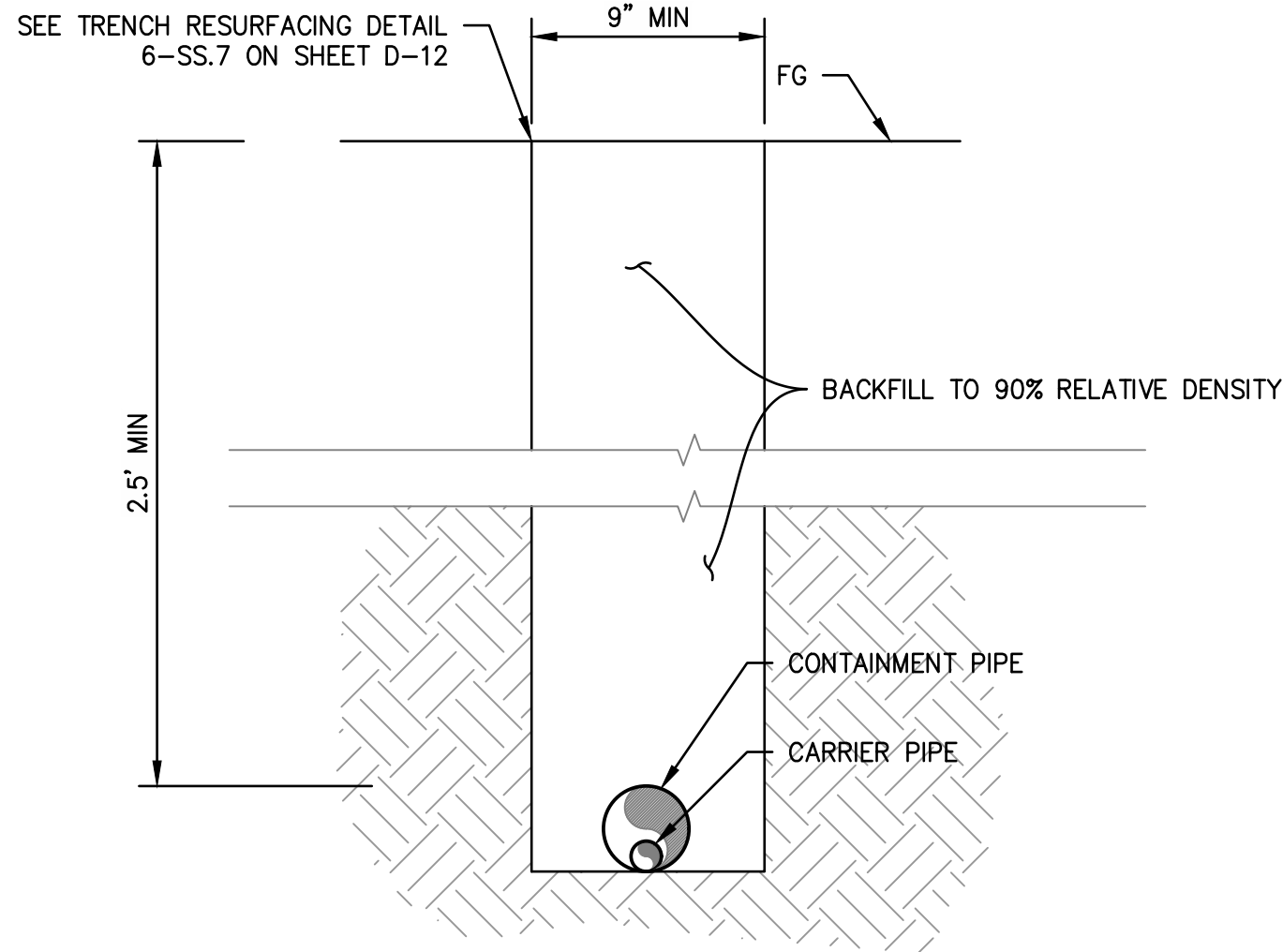
FERRIC CHLORIDE CONNECTION



2
D-4

FERRIC CHLORIDE DISCHARGE CONNECTION DETAIL

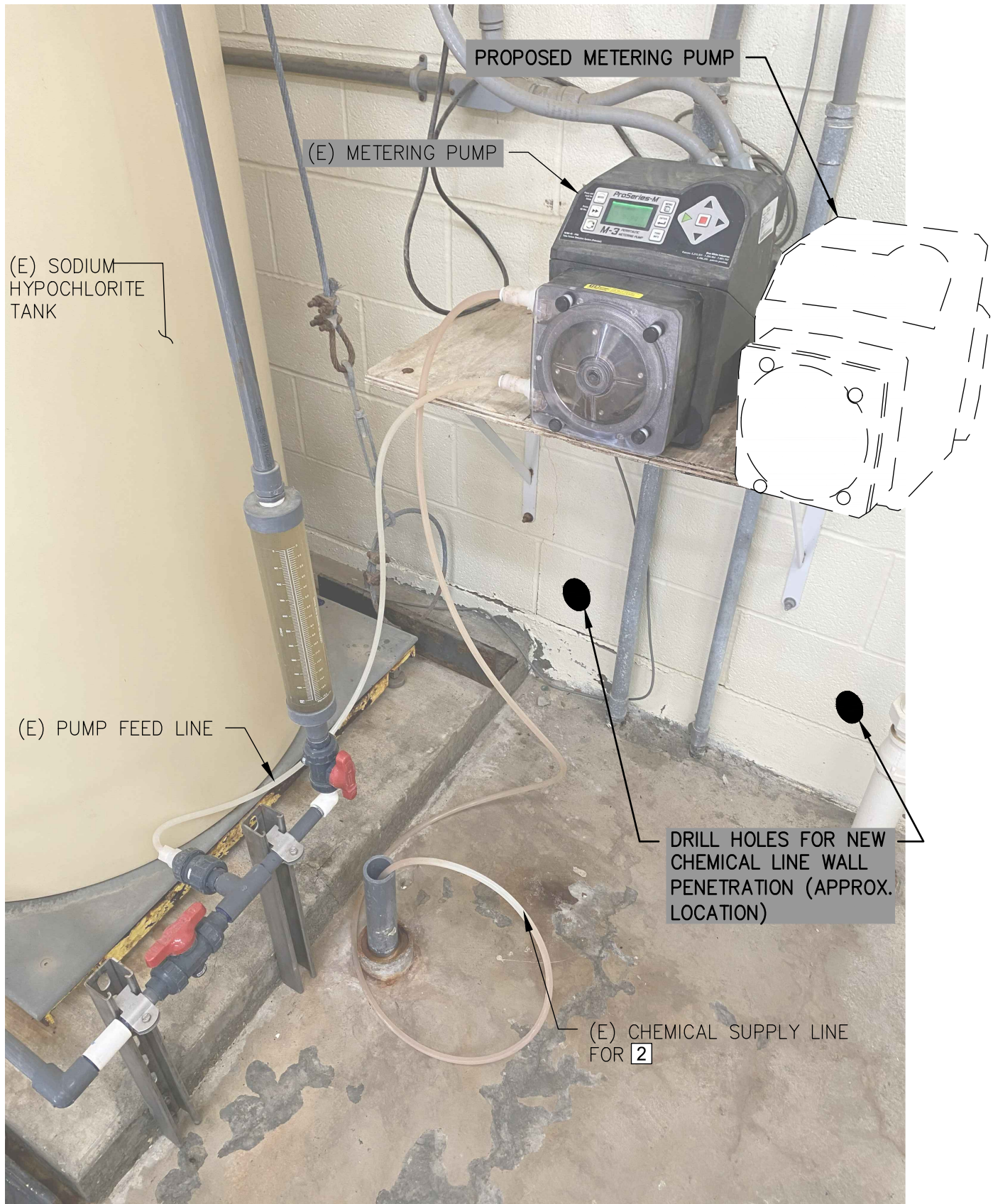
MATERIAL LIST	
ID	DESCRIPTION
1	1" Ø CAP
2	1" Ø SWEEP
3	1" Ø UNION
4	SEE PLANS FOR PIPE TYPE & SIZE



- NOTES
1. TRENCH MAY CONTAIN AS MANY SETS OF CONTAINMENT/CARRIER PIPES AS NECESSARY FOR CONSTRUCTION.
 2. CONTRACTOR TO CONTINUOUSLY SLOPE CHEMICAL INJECTION LINES TOWARD METERING PUMP.
 3. CONTRACTOR TO CONTINUOUSLY SLOPE SAMPLE LINES TOWARD ANALYZER.

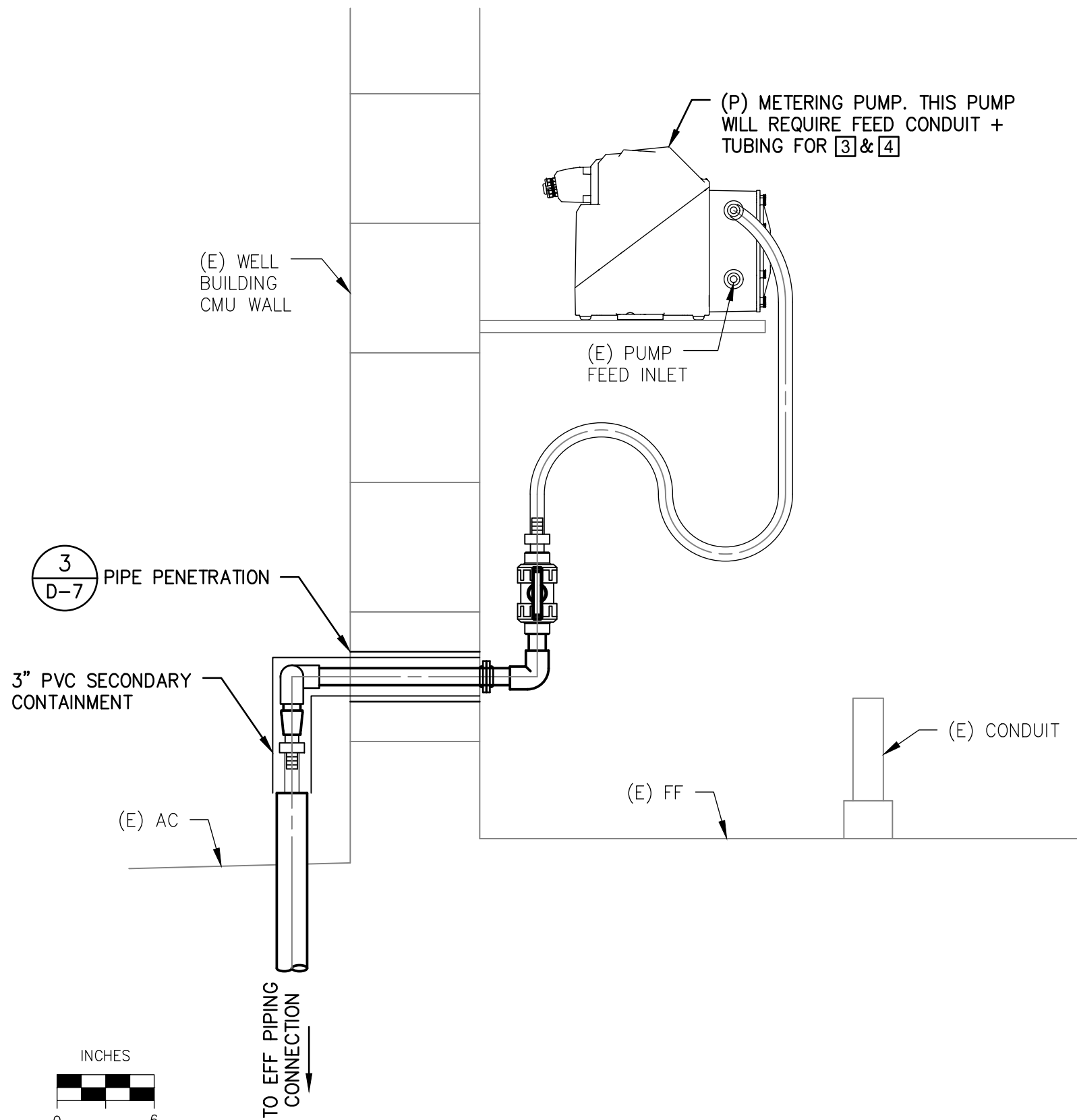
3
D-4

CHEMICAL AND SAMPLING PIPES



4
D-4

SODIUM HYPOCHLORITE CONNECTION



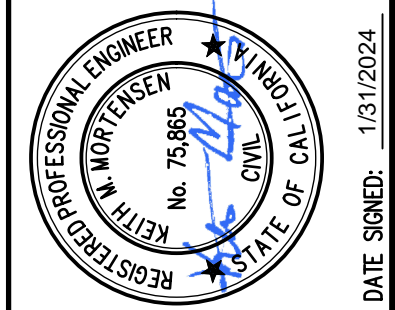
5
D-4

SODIUM HYPOCHLORITE DISCHARGE CONNECTION DETAIL SECTION

MATERIAL LIST	
ID	DESCRIPTION
1	1/2"Ø TYPE 6 BALL VALVE
2	3/4"Ø TYPE 6 BALL VALVE
3	1/2" HOSE BARB W/ WORM GEAR HOSE CLAMP
4	1/2"Ø TUBING
5	HOSE BARB W/ WORM GEAR HOSE CLAMP
6	3/4"Ø SCH 80 PVC PIPE
7	3/4"Ø SCH 80 PVC TEE
8	3/4"Ø SCH 80 PVC ELL
9	CHEMICAL TUBING
10	1-1/2"Ø SCH 40 PVC PIPE
11	3/4" x 1/2" REDUCER

COPYRIGHT 2024 BY PROVOST & PRITCHARD CONSULTING GROUP, INC. ALL RIGHTS RESERVED. ENGINEERING GROUP, INC. EXPRESSLY RESERVES ITS COMMON LAW COPYRIGHT AND ALL OTHER RIGHTS IN THIS DOCUMENT. NO PART OF THIS DOCUMENT OR ITS CONTENTS MAY BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION AND CONSENT OF PROVOST & PRITCHARD CONSULTING GROUP, INC. IN THE EVENT OF A DISPUTE, THE THIRD PARTY SHALL HOLD THE FIRM OF PROVOST & PRITCHARD CONSULTING GROUP, INC. HARMLESS FROM ALL CLAIMS, DAMAGES, LOSSES, AND EXPENSES, INCLUDING REASONABLE ATTORNEY'S FEES AND COSTS, INCURRED BY PROVOST & PRITCHARD CONSULTING GROUP, INC. IN ANY LEGAL ACTION ASSOCIATED WITH DEFENDING AND ENFORCING THESE RIGHTS.

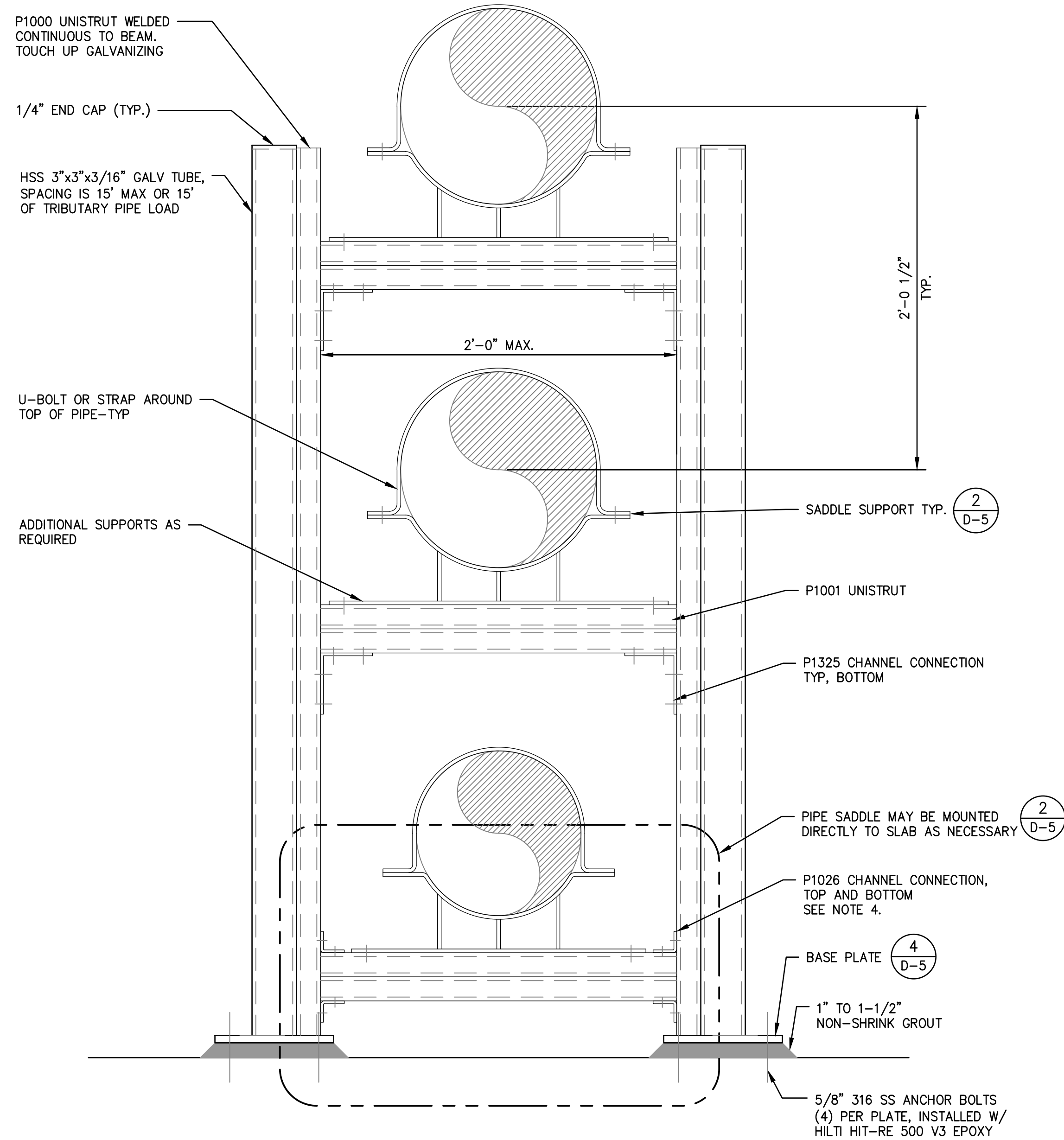
BID SET
1/31/2024



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



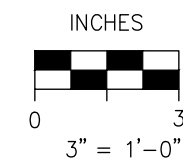
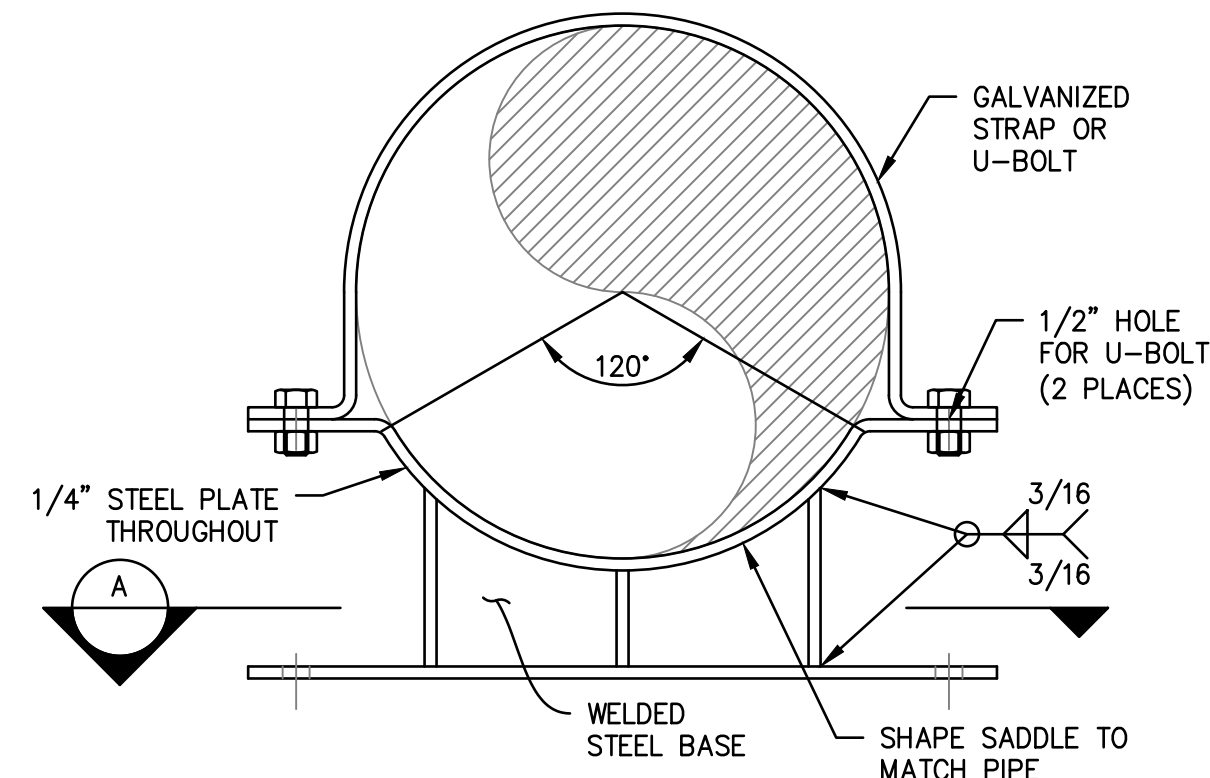
DESIGN ENGINEER:
KMM
LICENSE NO:
75865
DRAFTED BY:
JB
CHECKED BY:
RKB
DATE: 1/31/2024
JOB NO: 265421001
PROJECT NO:
PHASE:
ORIGINAL SCALE SHOWN IS
ONE INCH. ADJUST SCALE FOR
REDUCED OR ENLARGED PLANS.
SHEET
D-4
21 OF 35



NOTES

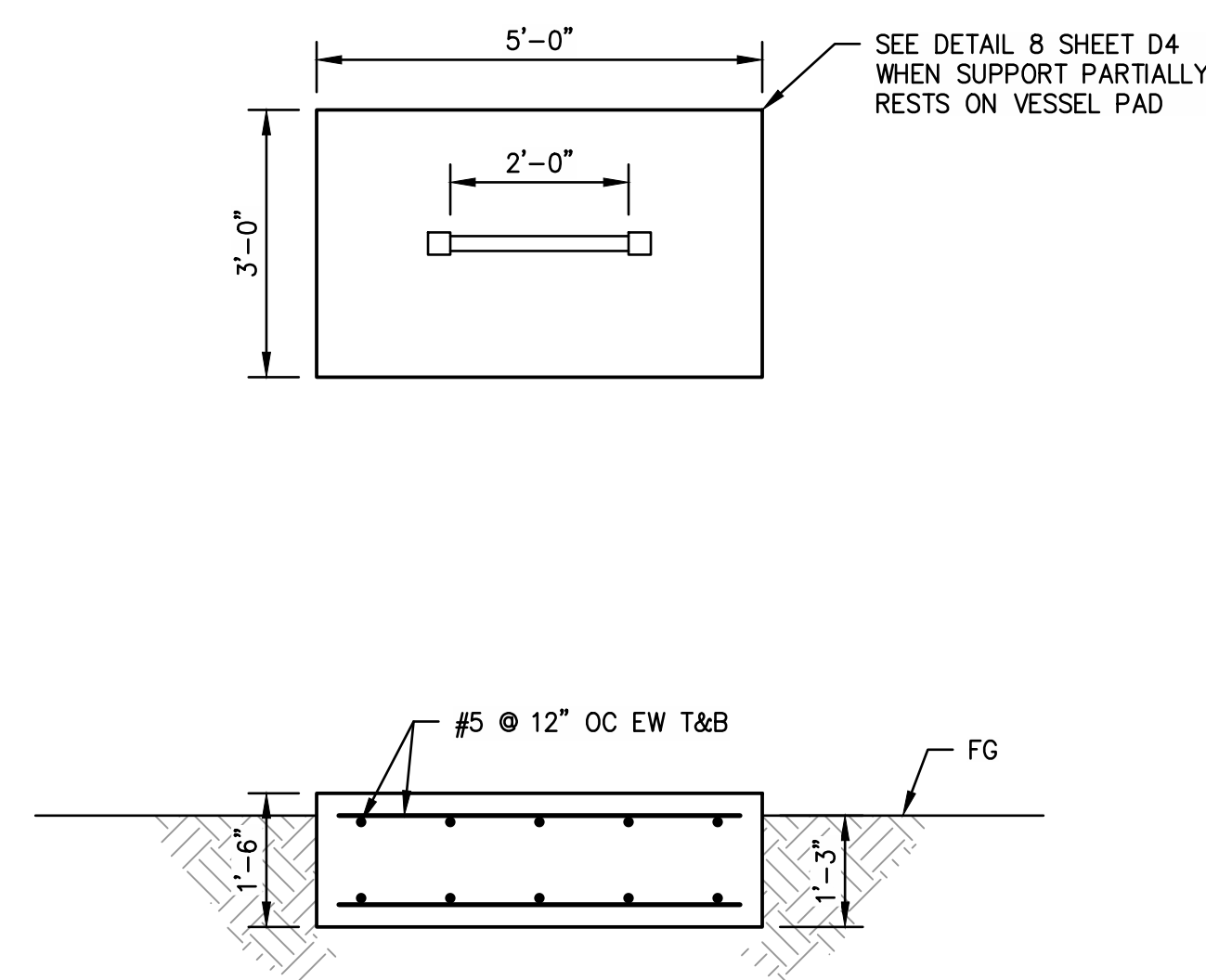
- PLACE 1/8" TEFLON PAD BETWEEN PIPE AND SADDLE.
- MODULAR FRAMING COMPONENTS SHALL BE UNISTRUT B-LINE, KUMAR OR EQUAL.
- USE A 2' DIAMETER 4.5' CAISSON UNDER EACH LEG WITH 6-#6 IN LOCATIONS WHERE LEG FALLS OUTSIDE OF THE GAC VESSEL PAD.
- P1026 IS ACCEPTABLE TOP AND BOTTOM IF P1325 DOES NOT FIT.
- CONTRACTOR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

NOT TO SCALE



$\frac{2}{D-5}$

PIPE SADDLE

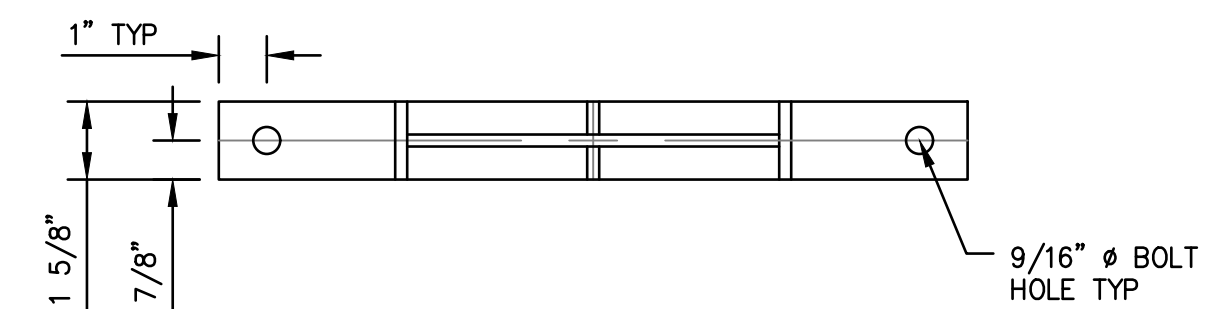


(APPLIES WHEN PIPE SUPPORT IS OFF OF VESSEL PAD)



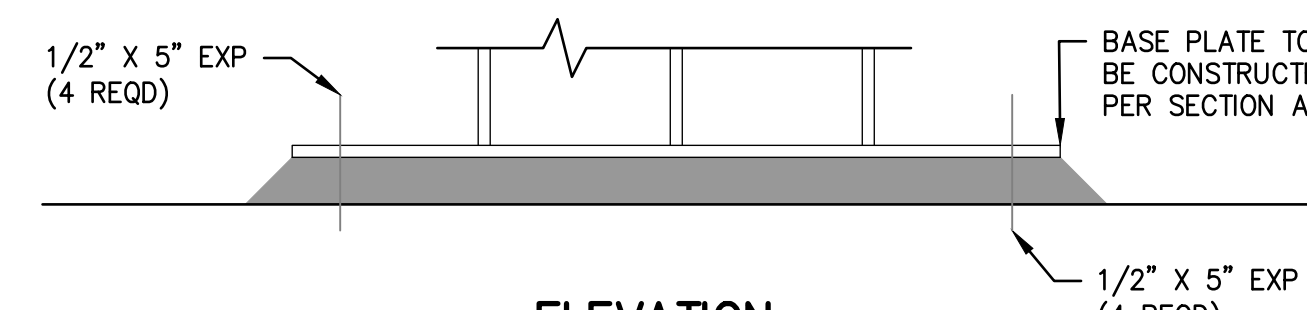
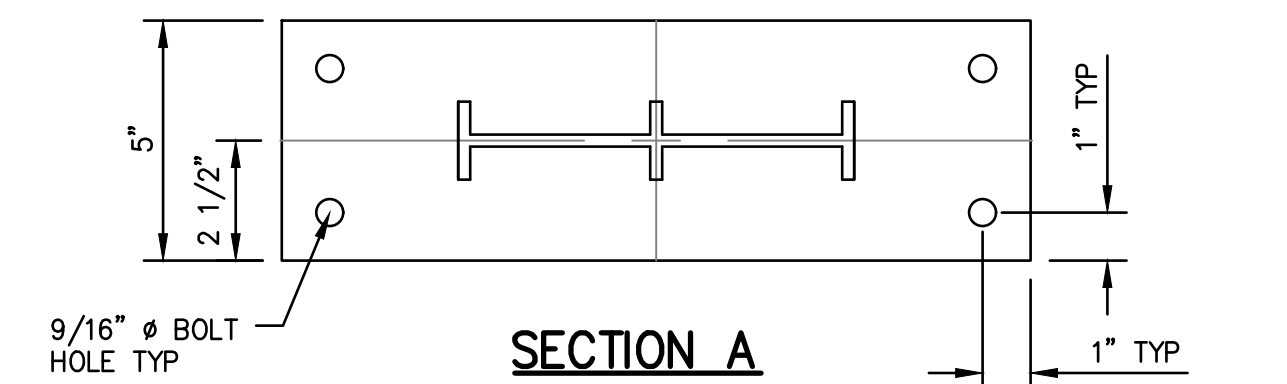
$\frac{3}{D-5}$

TIERED PIPE SUPPORT FOOTING



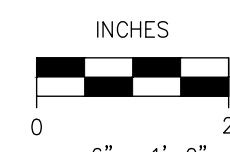
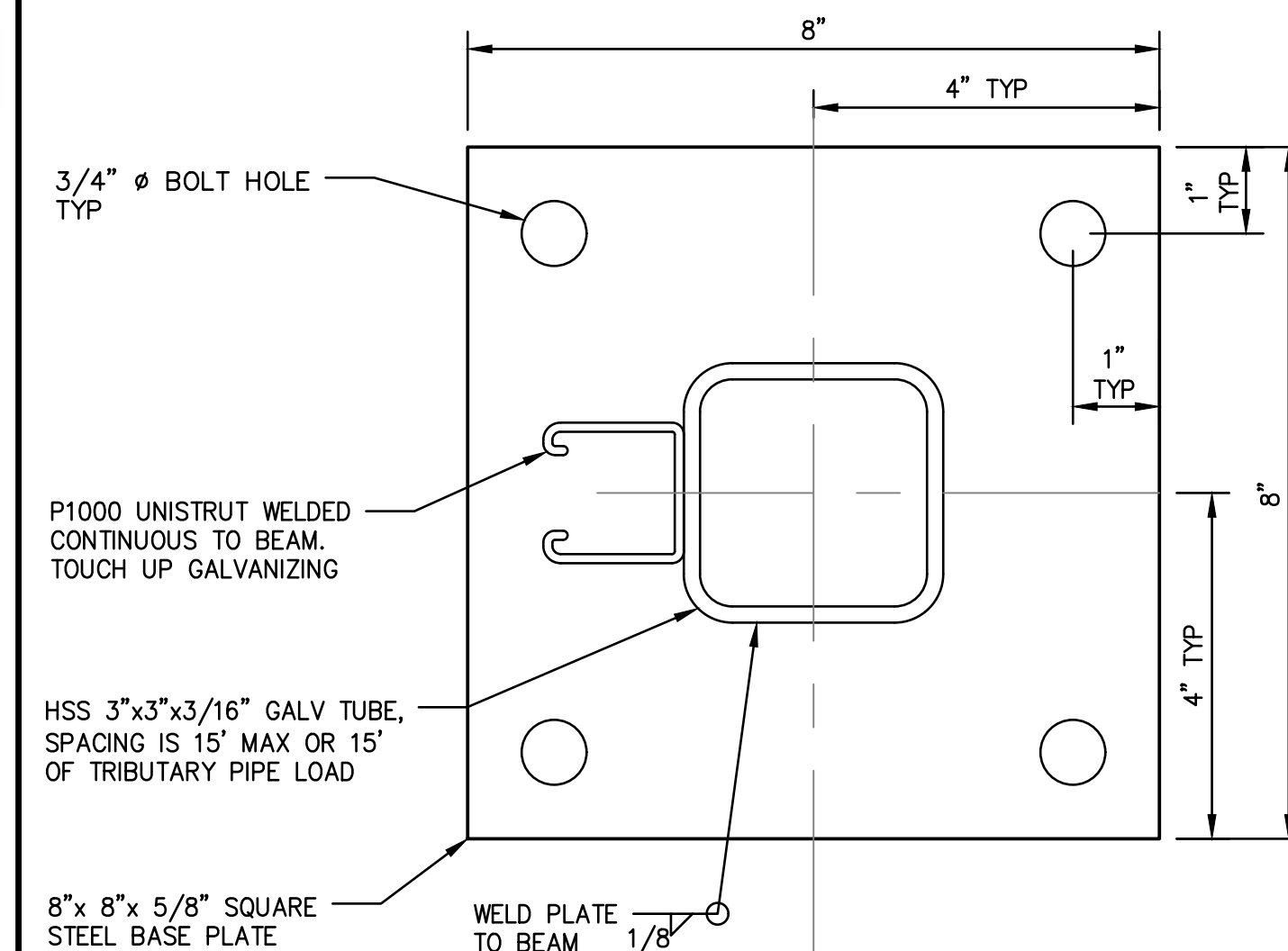
SECTION A

SUPPORT MOUNTING



ELEVATION

GROUND MOUNTING

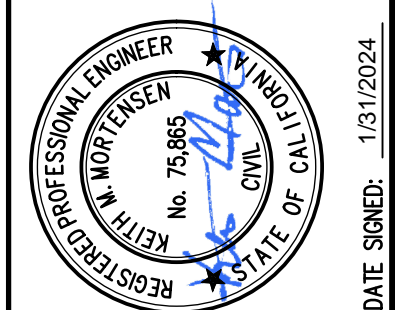


$\frac{4}{D-5}$

BASE PLATE DETAIL

COPYRIGHT 2024 BY PROVOST & PRITCHARD ENGINEERING GROUP. ALL RIGHTS RESERVED. PROVOST & PRITCHARD ENGINEERING GROUP, INC. EXPRESSLY RESERVES ITS COMMON LAW COPYRIGHT AND OTHER RIGHTS IN THE DESIGN, CONCEPTS, PLANS AND SPECIFICATIONS HEREIN. NO PART OF THIS DOCUMENT IS TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION AND CONSENT OF PROVOST & PRITCHARD ENGINEERING GROUP, INC. IN THE EVENT OF A DISPUTE, THE PARTIES SHALL AGREE THAT THE THIRD PARTY SHALL HOLD THE FIRM OF PROVOST & PRITCHARD ENGINEERING GROUP, INC. HARMLESS FROM ALL CLAIMS, DAMAGES, LOSSES, AND EXPENSES, INCLUDING ATTORNEY'S FEES, ARISING OUT OF OR RESULTING FROM THE USE OF THIS DOCUMENT. PROVOST & PRITCHARD ENGINEERING GROUP, INC.'S LEGAL FEES ASSOCIATED WITH DEFENDING AND ENFORCING THESE RIGHTS.

BID SET
1/31/2024



WELL 8 TCP MITIGATION PROJECT

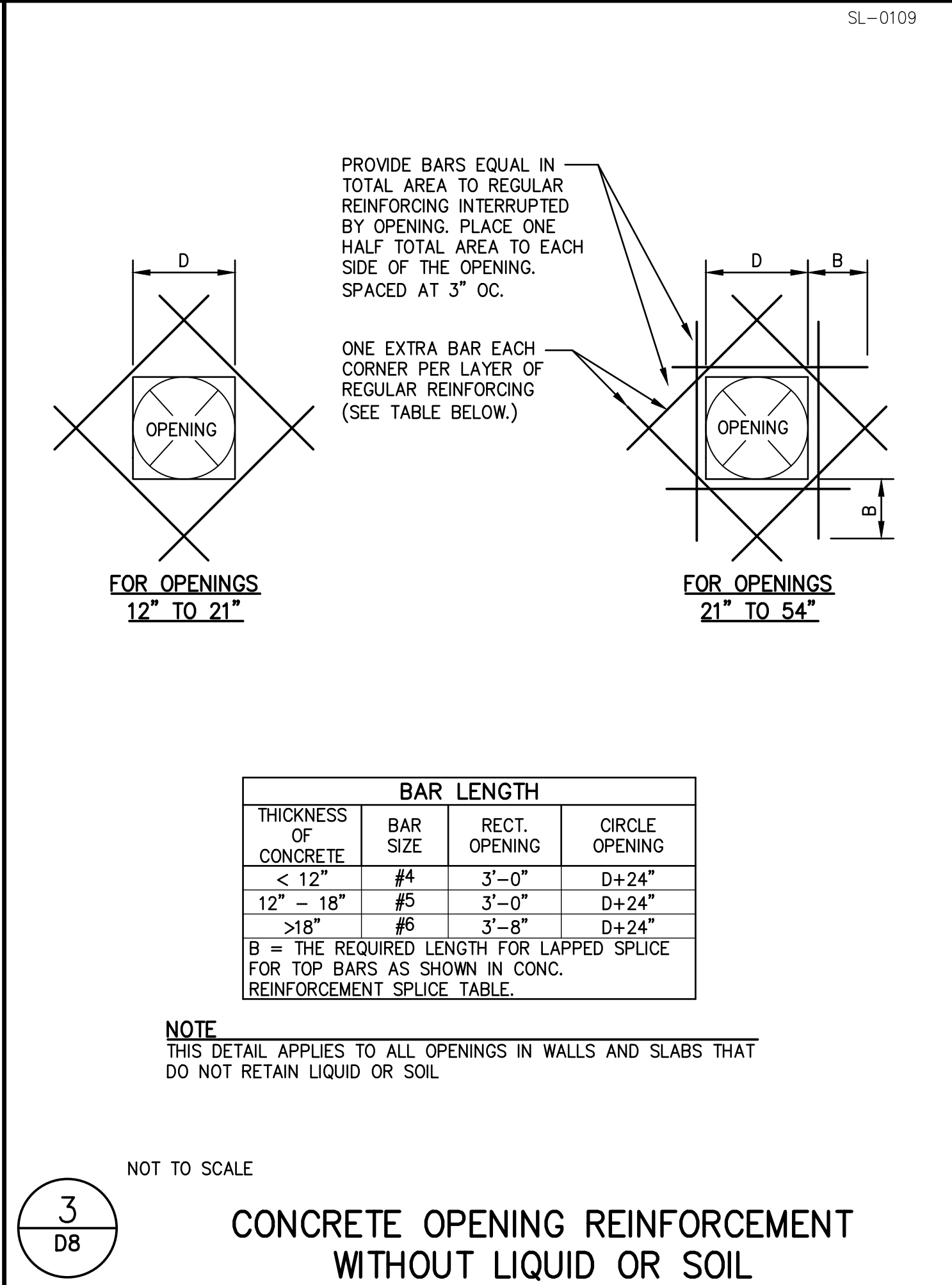
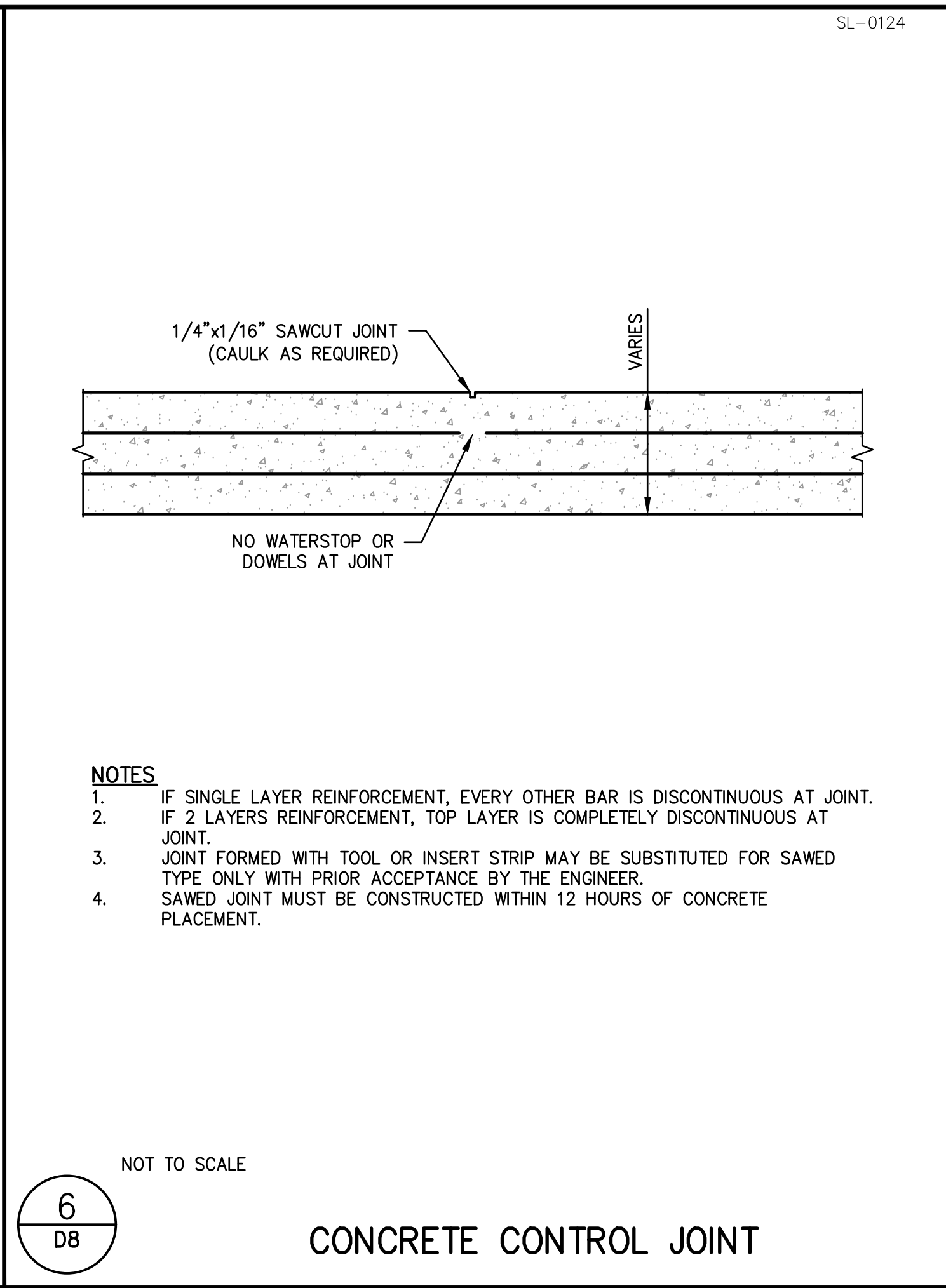
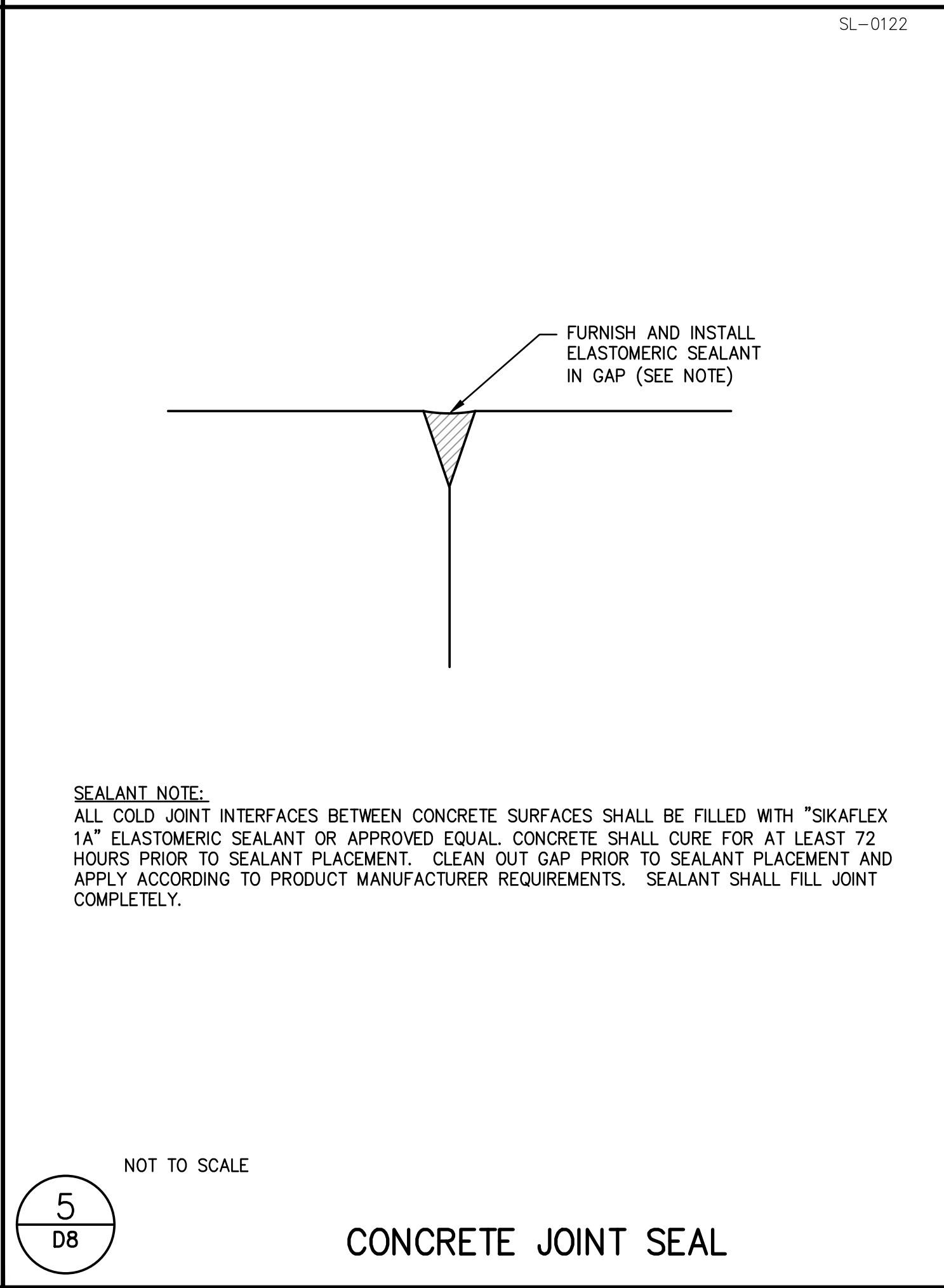
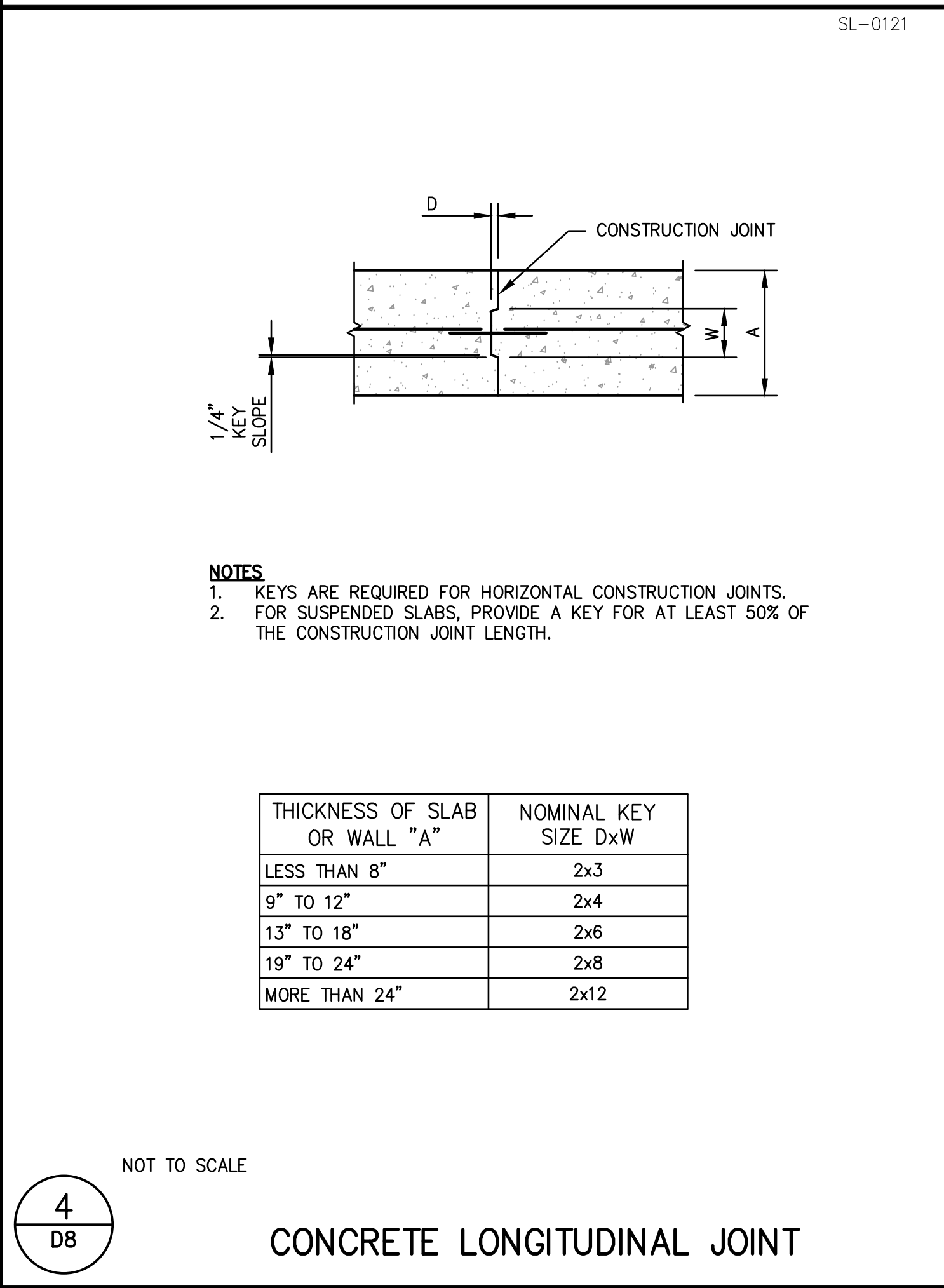
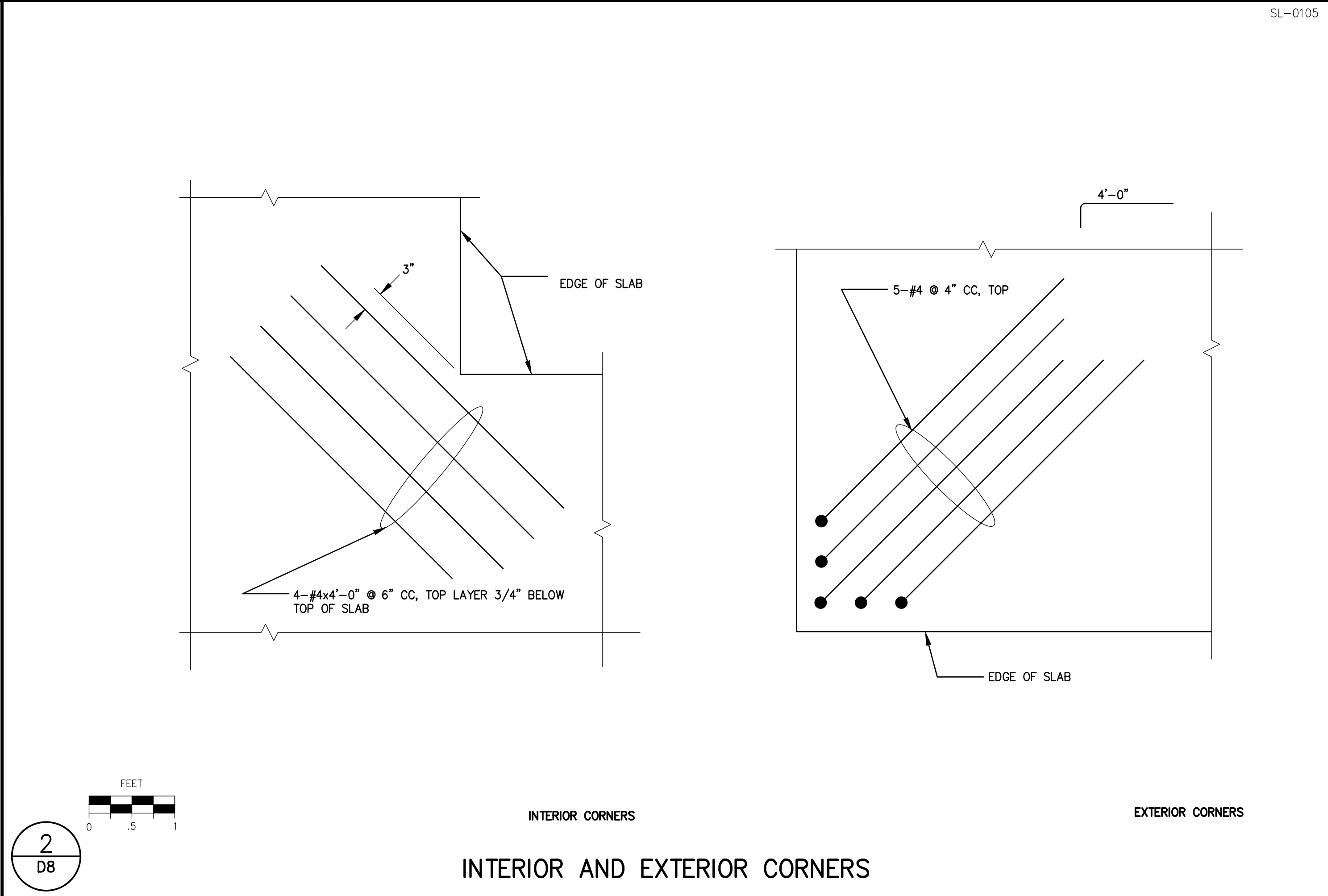
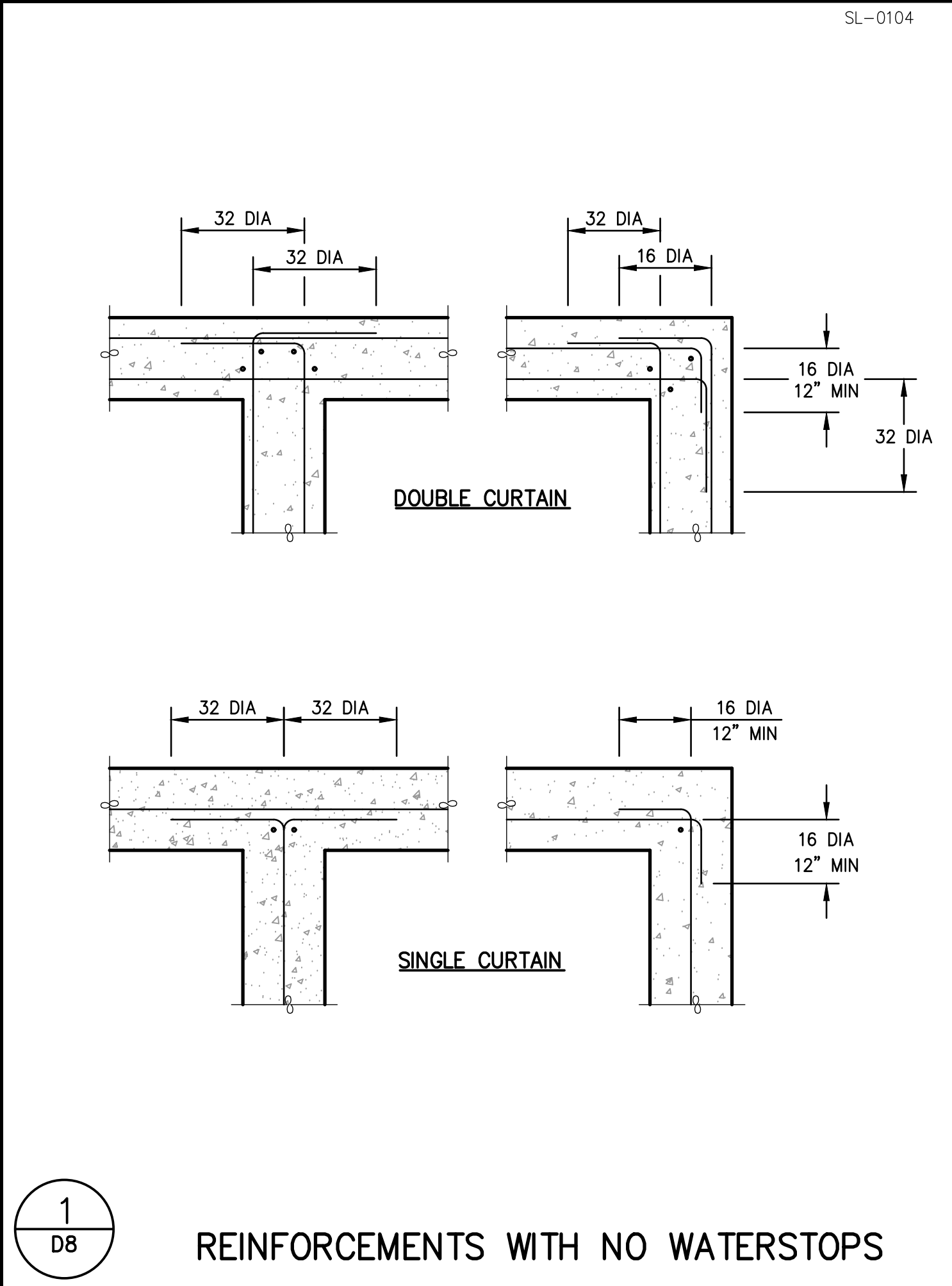
CITY OF HUGHSON
HUGHSON, CA

DETAILS
MISC. DETAILS

EST. 1968
PROVOST & PRITCHARD
CONSULTING GROUP
An Employee Owned Company
455 W. FRAVENE
CLOVIS, CALIFORNIA 93611
559.462.2000 FAX 559.469.2715
https://provostandpritchard.com

DESIGN ENGINEER:
KMM
LICENSE NO:
75865
DRAFTED BY: JCB
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



BID SET
1/31/2024

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

MISC. DETAILS

DESIGN ENGINEER:
KMM
LICENSE NO:
75865

DRAFTED BY:
JB
CHECKED BY:
RKB

DATE: 1/31/2024
JOB NO: 265421001

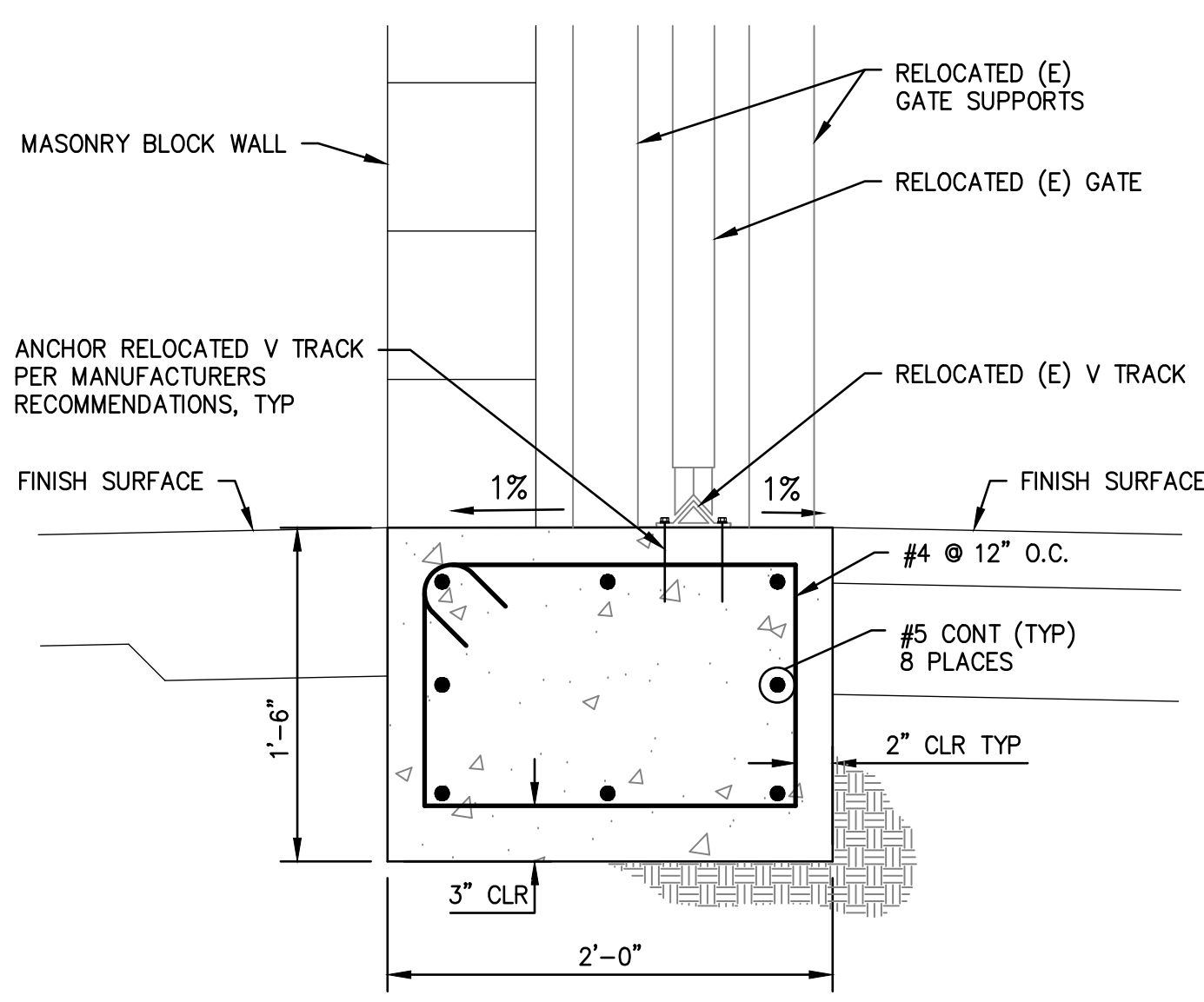
PROJECT NO:
PHASE:

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

SHEET
D-8

25 OF 35

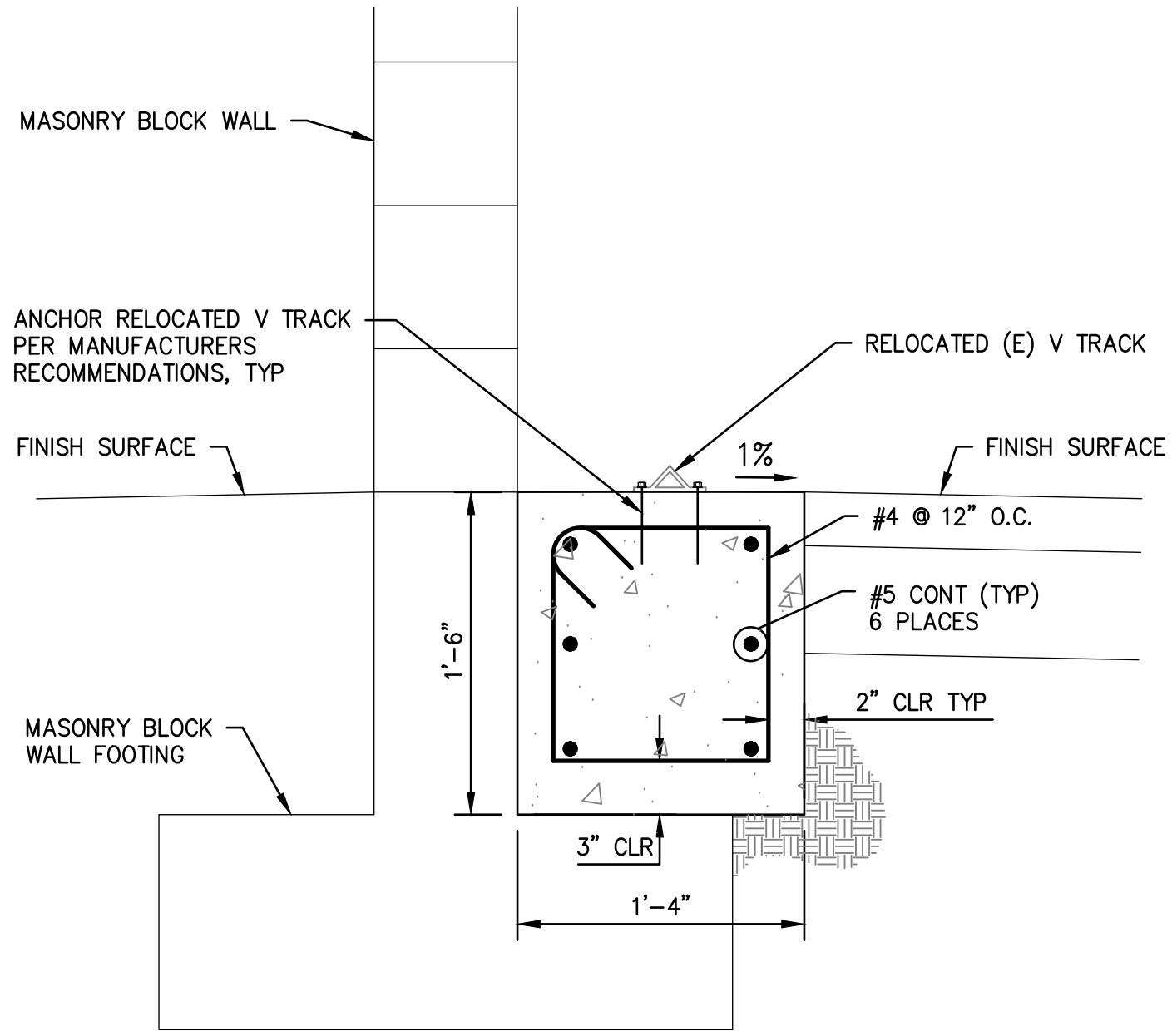
2/7/2024 12:21 PM G:\hughson_City of-2654\265421001-TCP Treatment Design\300 CAD\340 Sheet Sets\0-8 MISC DETAILS.dwg --Jennifer Bonilla



2
D-10

NOT TO SCALE

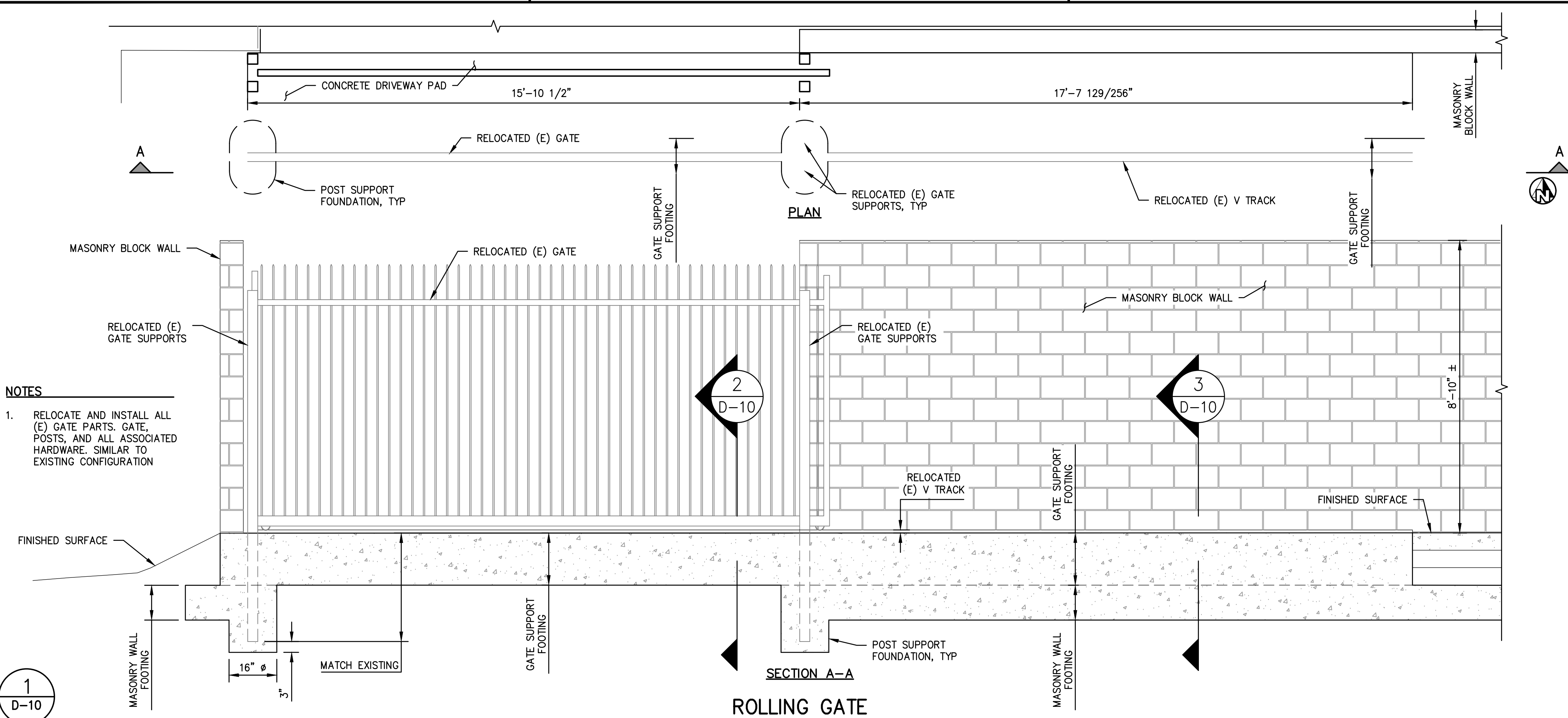
SECTION B



3
D-10

NOT TO SCALE

SECTION C



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

1
D-10

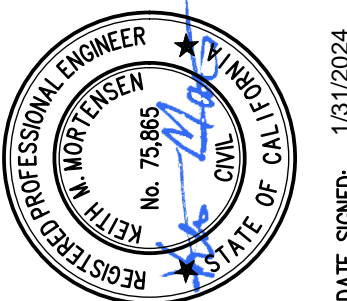
2
D-10

3
D-10

SECTION A-A
ROLLING GATE

COPYRIGHT 2024 BY PROVOST & PRITCHARD
ENGINEERING GROUP, INC. ALL RIGHTS RESERVED.
Provost & Pritchard Engineering Group, Inc. expressly reserves its common law copyright and other intellectual property rights in these plans. No part of these plans may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission and consent of Provost & Pritchard Engineering Group, Inc. In the event of a conflict between these terms and conditions and any other terms and conditions, these terms and conditions shall prevail. The third party shall hold the firm of Provost & Pritchard Engineering Group, Inc. harmless from and defend and hold Provost & Pritchard Engineering Group, Inc. harmless from all claims and damages, including reasonable attorneys' fees, arising out of or from the use of these plans. Provost & Pritchard Engineering Group, Inc.'s legal fees associated with defending and enforcing these rights shall be paid by the client.

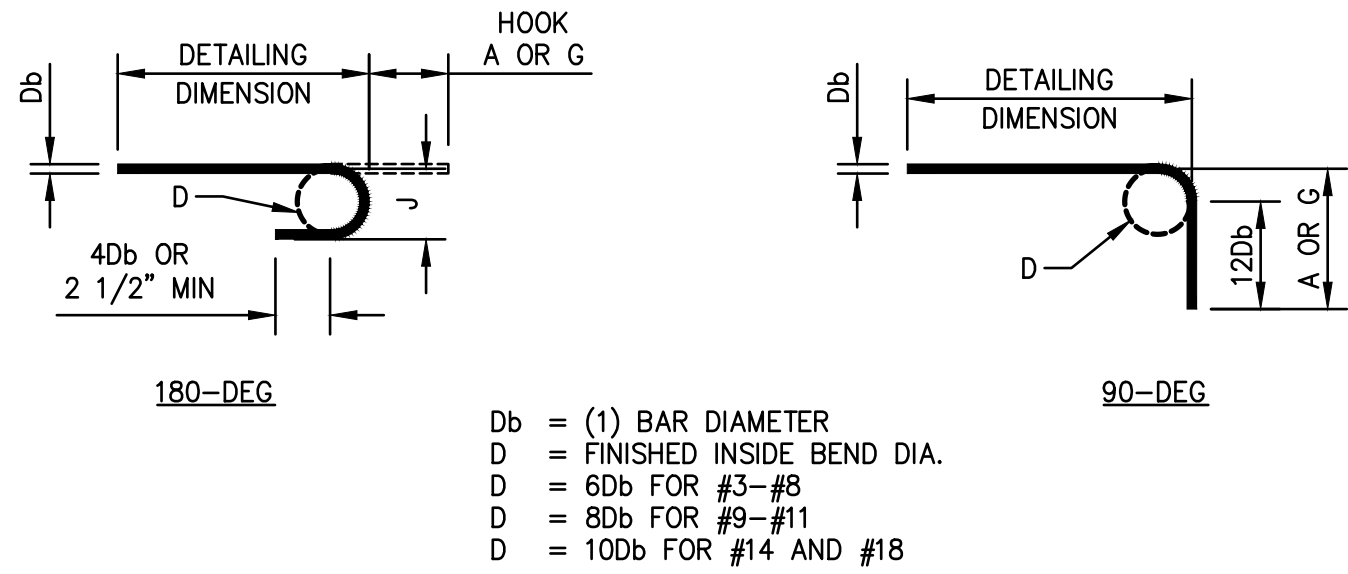
BID SET
1/31/2024



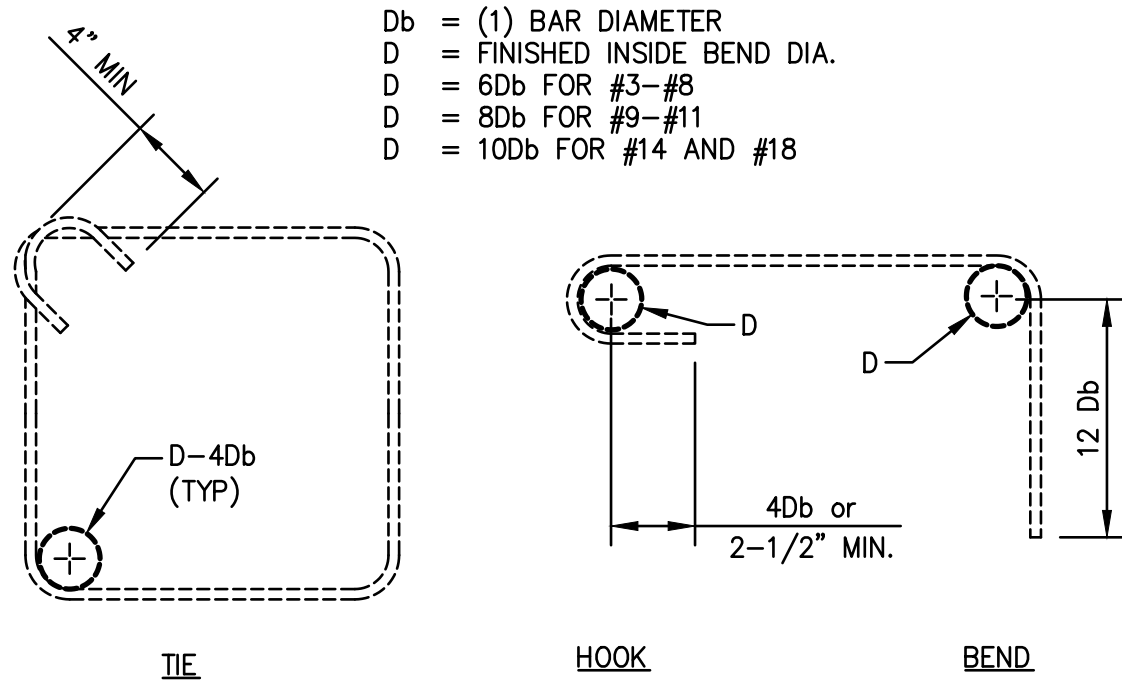
WELL 8 TCP MITIGATION PROJECT
CITY OF HUGHSON
HUGHSON, CA
DETAILS
MISC. DETAILS

EST. 1968
PROVOST & PRITCHARD
CONSULTING GROUP
An Employee Owned Company
455 W. FRAVENE
CLOVIS, CALIFORNIA 93611
559.462.200 FAX 559.469.2715
https://provostandpritchard.com

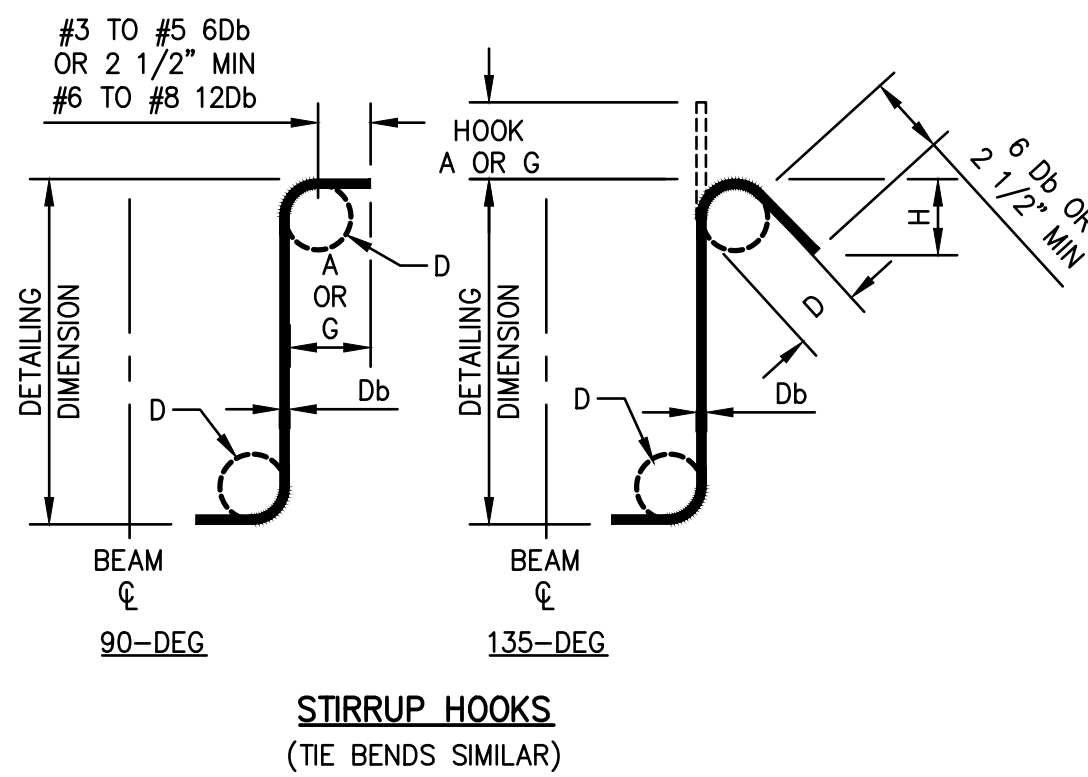
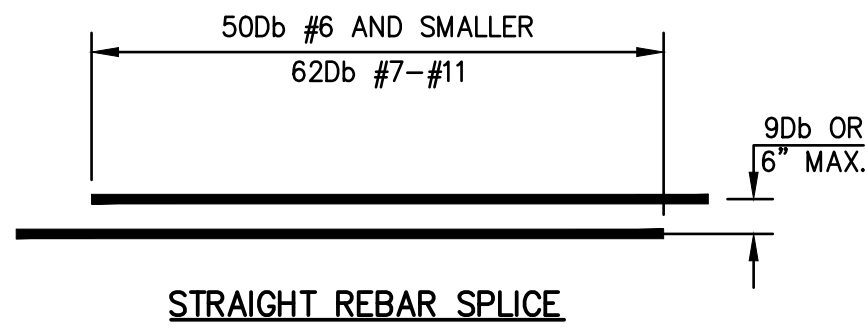
DESIGN ENGINEER:
KMM
LICENSE NO:
75865
DRAFTED BY:
JB
CHECKED BY:
RKB
DATE: 1/31/2024
JOB NO: 265421001
PROJECT NO:
PHASE:
ORIGINAL SCALE SHOWN IS
ONE INCH. ADJUST SCALE FOR
REDUCED OR ENLARGED PLANS.
SHEET
D-10
27 OF 35



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"



REINFORCEMENT BENDS



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"	

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

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

NOT TO SCALE

REINFORCEMENT BENDS & SPLICES

EST. 1968

PROVOST & PRITCHARD

CONSULTING GROUP

An Employee Owned Company

584462700 FAX 5844692715

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:

0 1"

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

SHEET

D-11

28 OF 35

WELL 8 TCP MITIGATION PROJECT

CITY OF HUGHSON
HUGHSON, CA

DETAILS

MISC. DETAILS

BID SET
1/31/2024

RES. ENG. PROFESSIONAL ENGINEER
KMM
No. 75865
CIVIL
STATE OF CALIF.

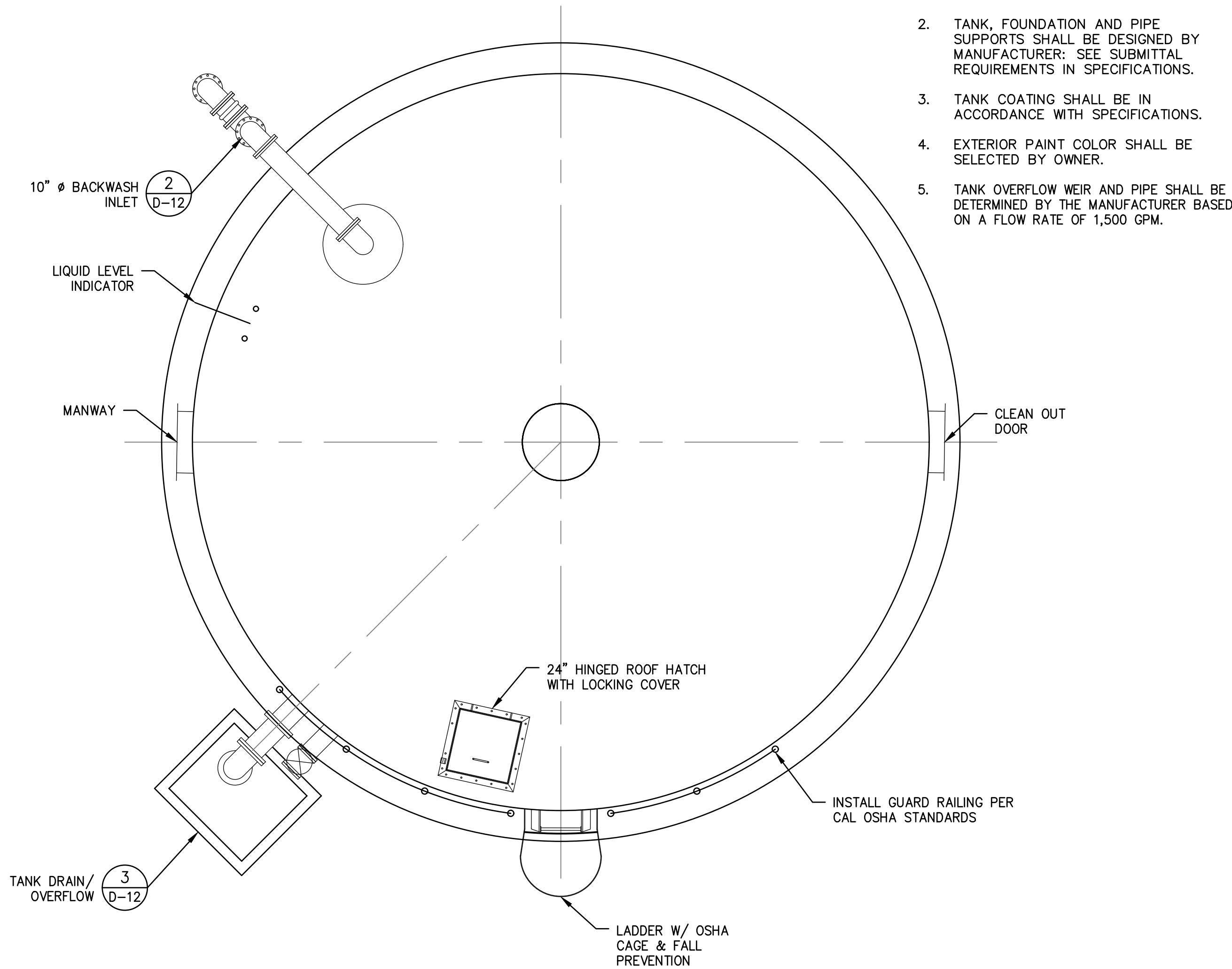
DATE SIGNED: 1/31/2024

NO.

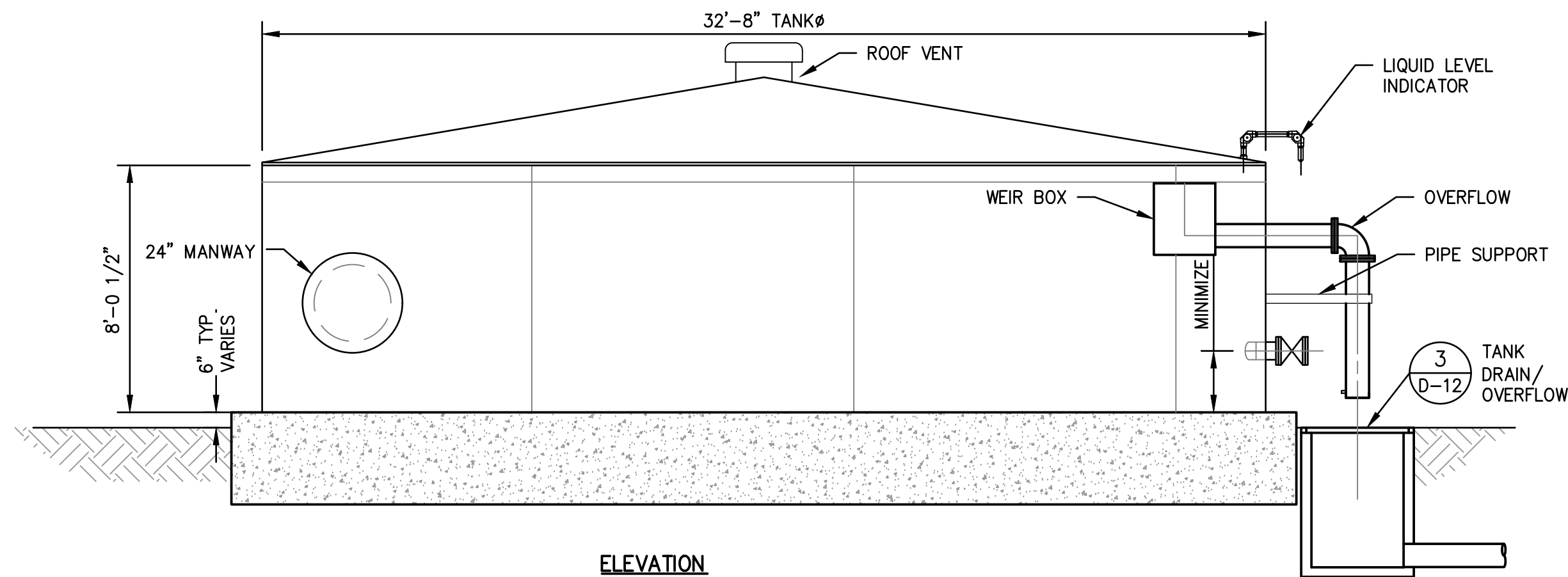
BY

DATE

2/1/2024 12:29 PM G:\Hughson-City of-2654\265421001-TCP Treatment Design\300 CAD\340 Sheet Sets\0-11 MISC DETAILS.dwg -Jemiller Bonilla



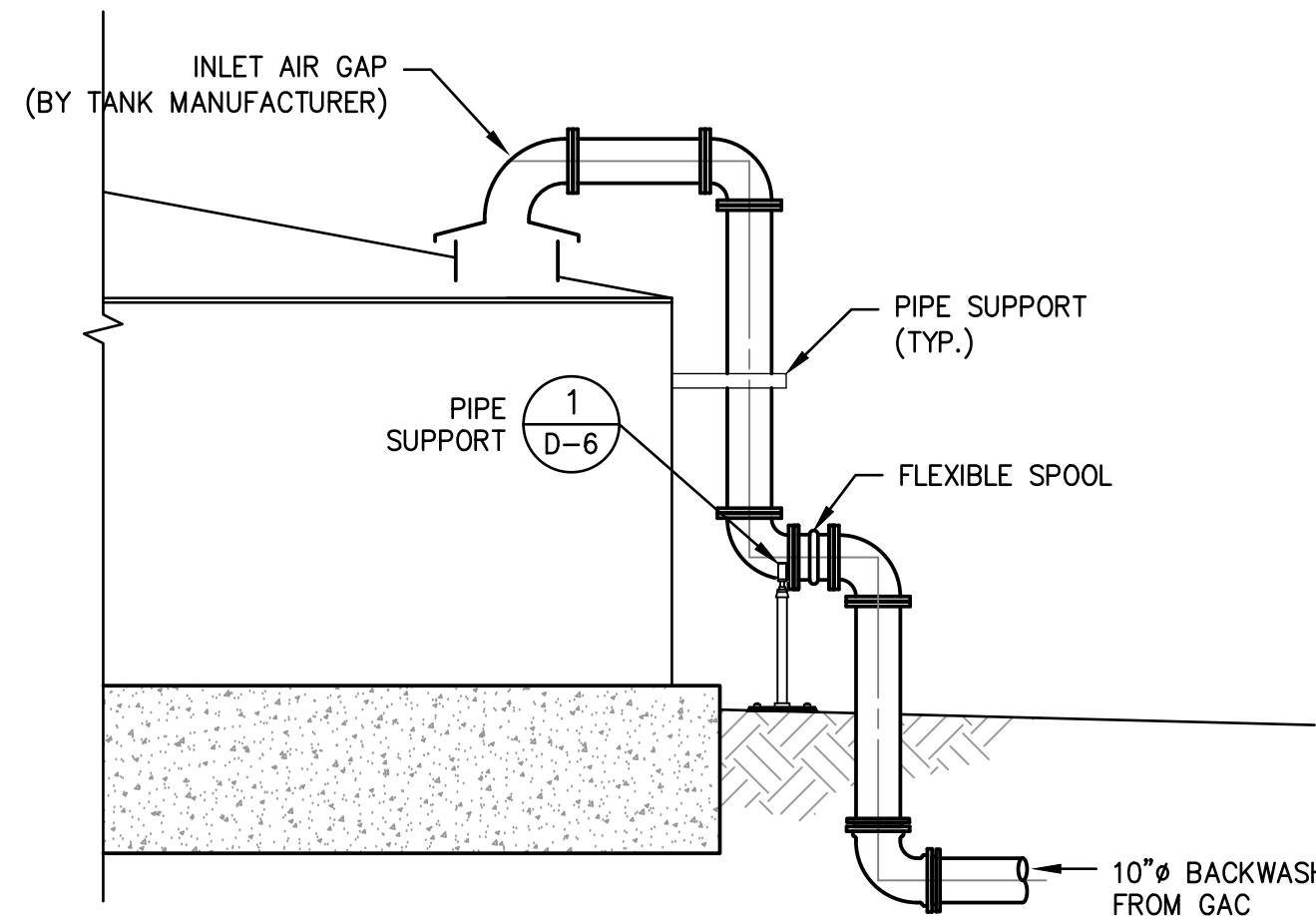
- NOTES**
1. LOCATION OF TANK NOZZLES, CLEAN OUT, MANWAY, AND LEVEL INDICATOR SHALL BE AS SHOWN ON THE INDIVIDUAL SITE PLANS.
 2. TANK, FOUNDATION AND PIPE SUPPORTS SHALL BE DESIGNED BY MANUFACTURER: SEE SUBMITTAL REQUIREMENTS IN SPECIFICATIONS.
 3. TANK COATING SHALL BE IN ACCORDANCE WITH SPECIFICATIONS.
 4. EXTERIOR PAINT COLOR SHALL BE SELECTED BY OWNER.
 5. TANK OVERFLOW WEIR AND PIPE SHALL BE DETERMINED BY THE MANUFACTURER BASED ON A FLOW RATE OF 1,500 GPM.



ELEVATION

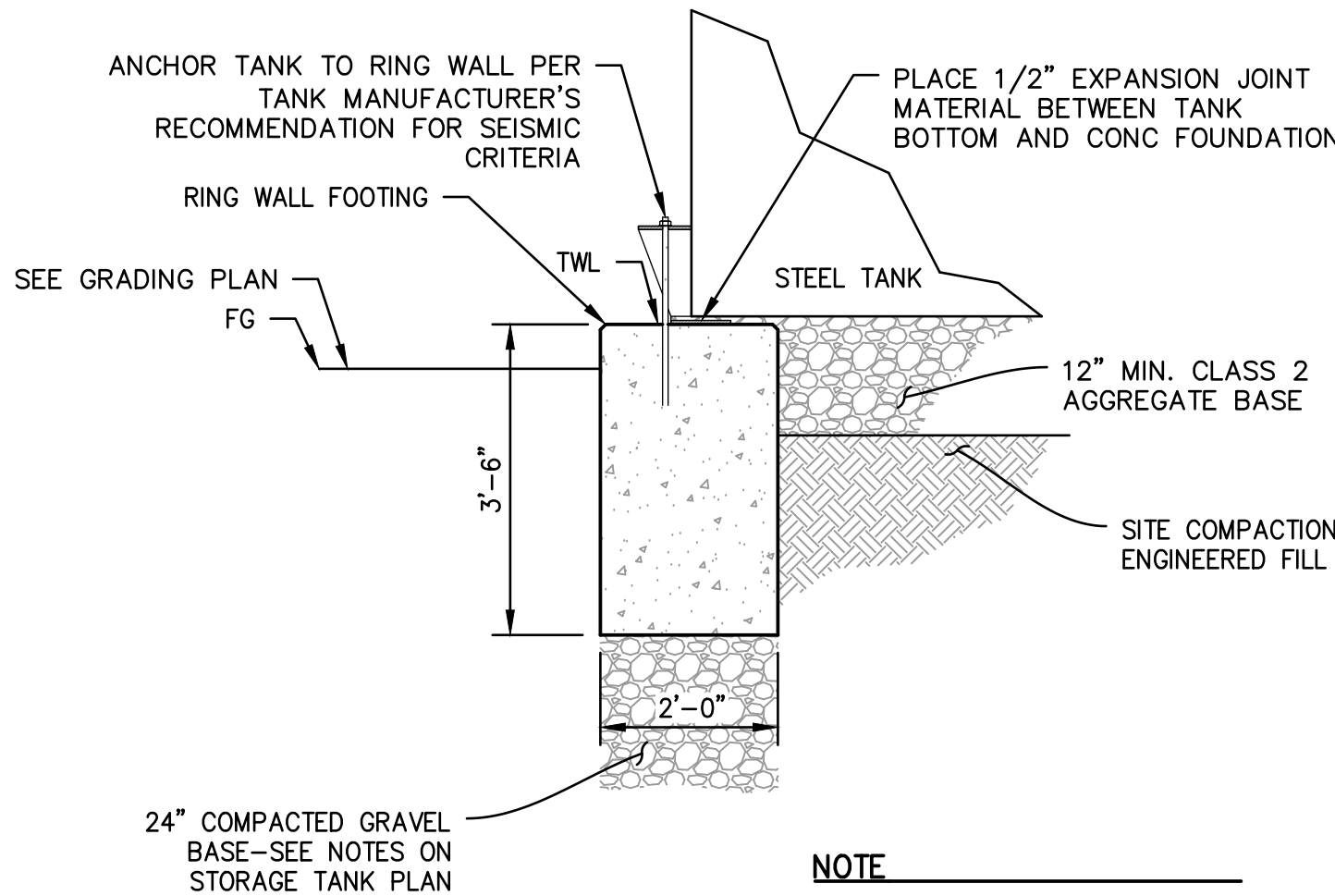
NOT TO SCALE

BACKWASH TANK



NOT TO SCALE

BACKWASH TANK INLET AIR GAP

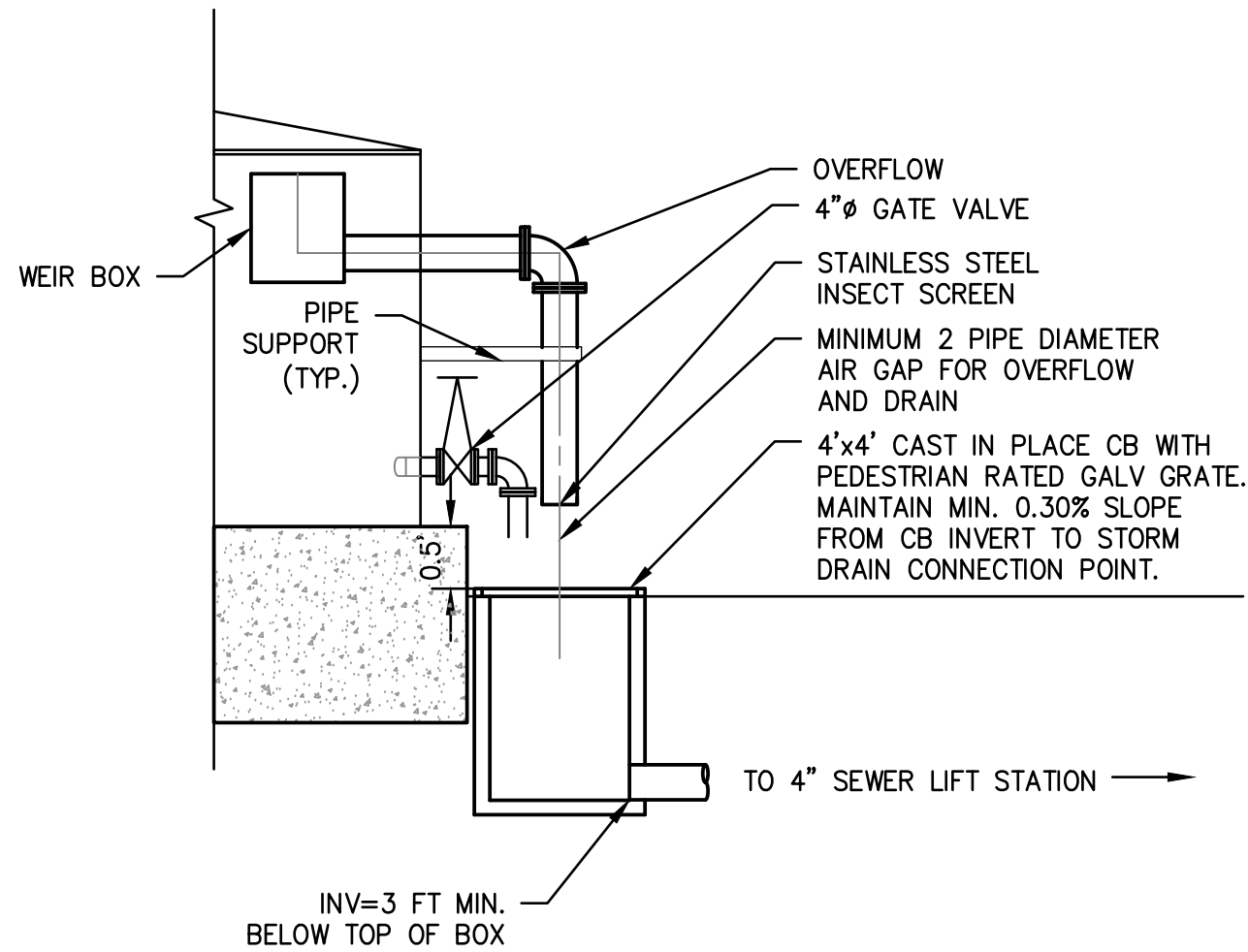


NOTE

1. FINAL FOUNDATION DESIGN SHALL BE DETERMINED BY TANK MANUFACTURER.

NOT TO SCALE

TANK FOOTING



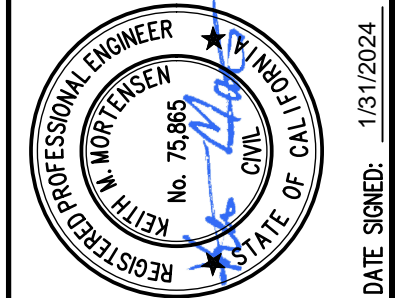
NOT TO SCALE

TANK DRAIN/OVERFLOW

- NOTES**
1. PIPE SUPPORTS SHALL BE DESIGNED BY MANUFACTURER: SEE SUBMITTAL REQUIREMENTS IN SPECIFICATIONS.

COPYRIGHT 2024 BY PROVOST & PRITCHARD ENGINEERING GROUP, INC. ALL RIGHTS RESERVED. PROVOST & PRITCHARD ENGINEERING GROUP, INC. EXPRESSLY RESERVES ITS COMMON LAW COPYRIGHT AND ALL OTHER RIGHTS IN THIS DOCUMENT. NO PART OF THIS DOCUMENT IS TO BE REPRODUCED, COPIED, OR REPRODUCED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE TRANSMITTED IN ANY FORM OR MANNER WITHOUT THE WRITTEN PERMISSION AND CONSENT OF PROVOST & PRITCHARD ENGINEERING GROUP, INC. IN THE EVENT OF A DISPUTE, THE THIRD PARTY SHALL HOLD THE FIRM OF PROVOST & PRITCHARD ENGINEERING GROUP, INC. HARMLESS AND SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGES, INCLUDING ATTORNEY'S FEES, INCURRED BY PROVOST & PRITCHARD ENGINEERING GROUP, INC.'S LEGAL FEES ASSOCIATED WITH DEFENDING AND ENFORCING THESE RIGHTS.

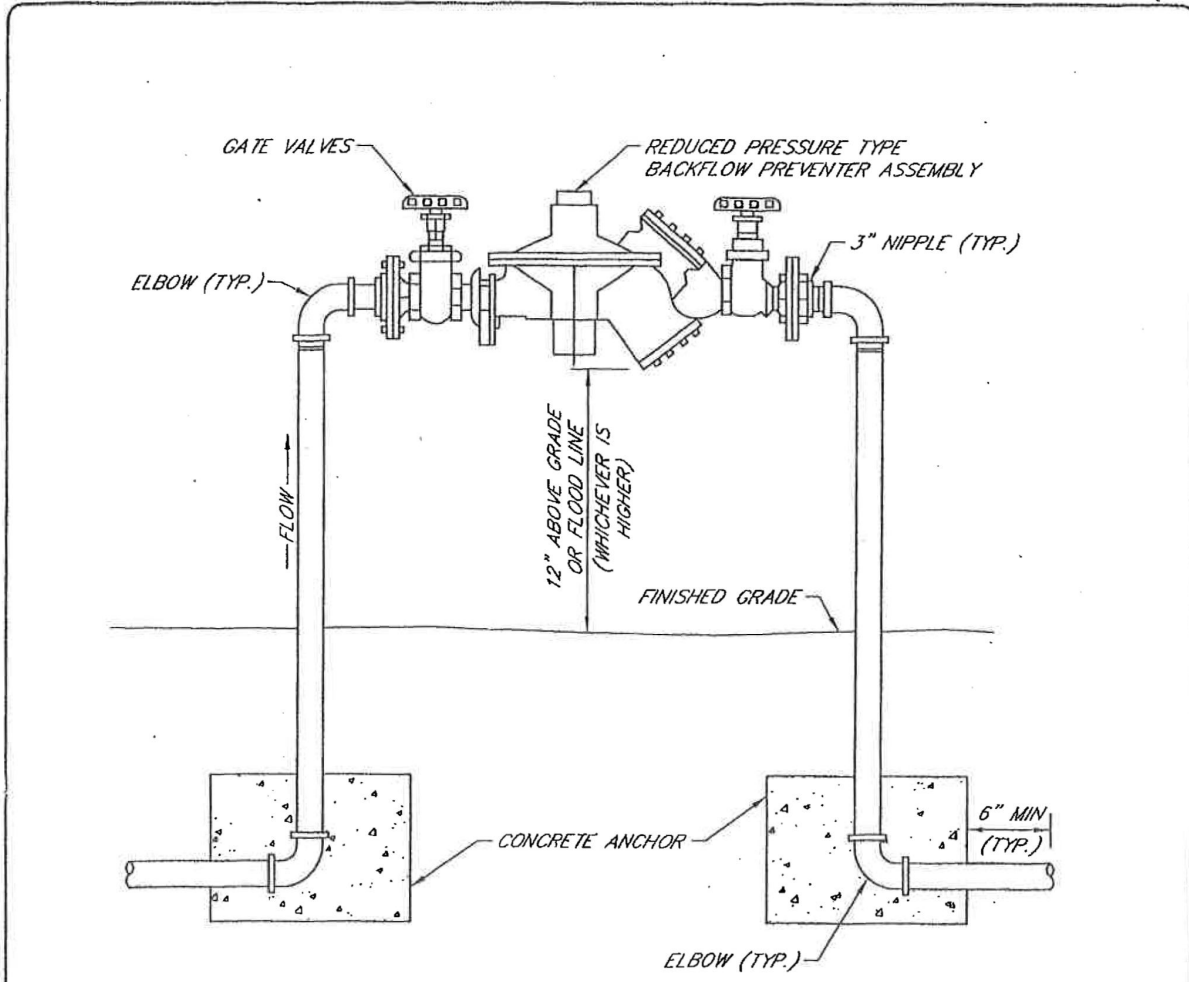
BID SET
1/31/2024



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

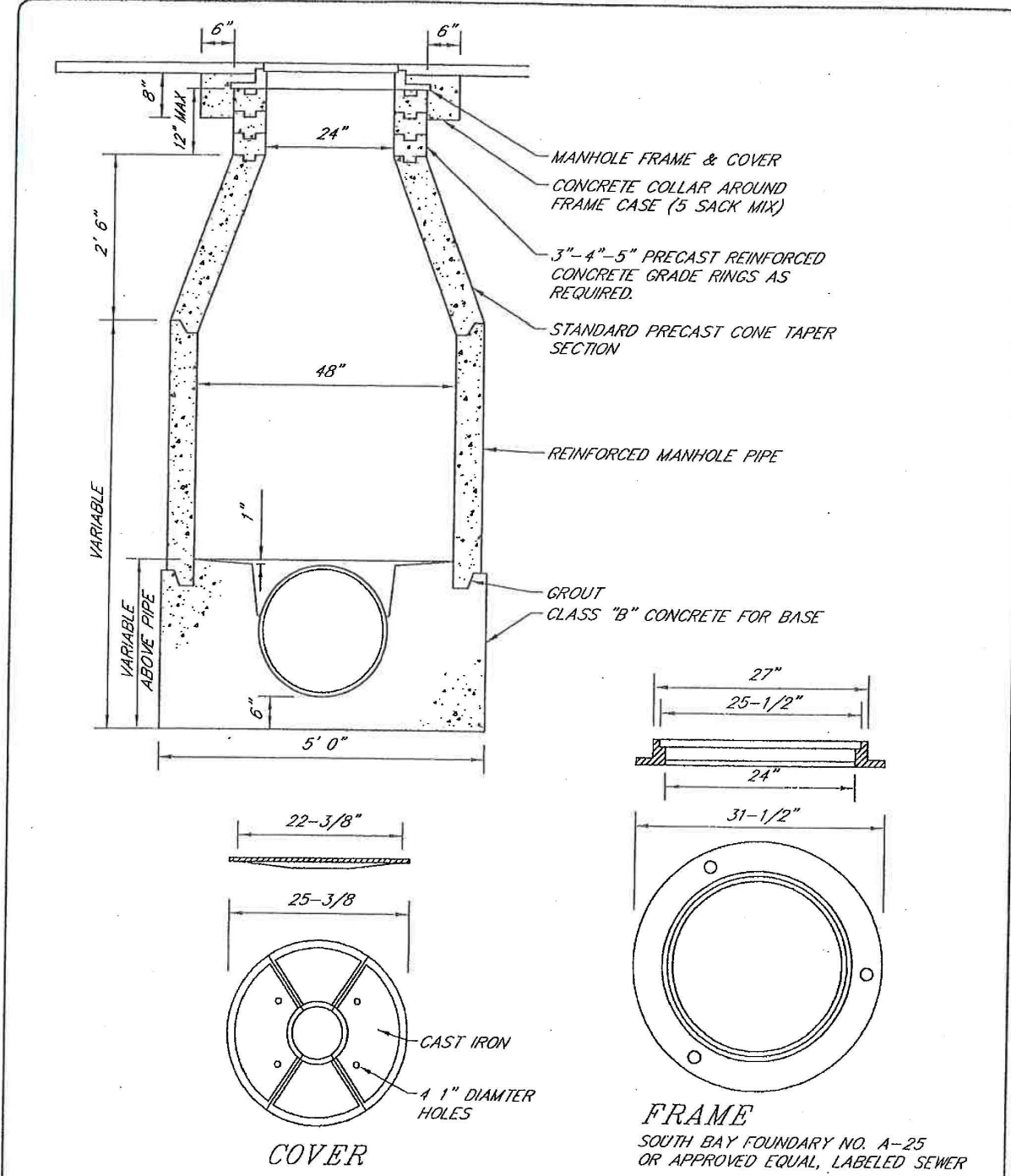
EST. 1968
PROVOST & PRITCHARD
CONSULTING GROUP
An Employee Owned Company
485 W. FRAVENE
CLOVIS, CALIFORNIA 93611
559.462.2000 FAX 559.469.2715
https://provostandpritchard.com

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-12
29 OF 35

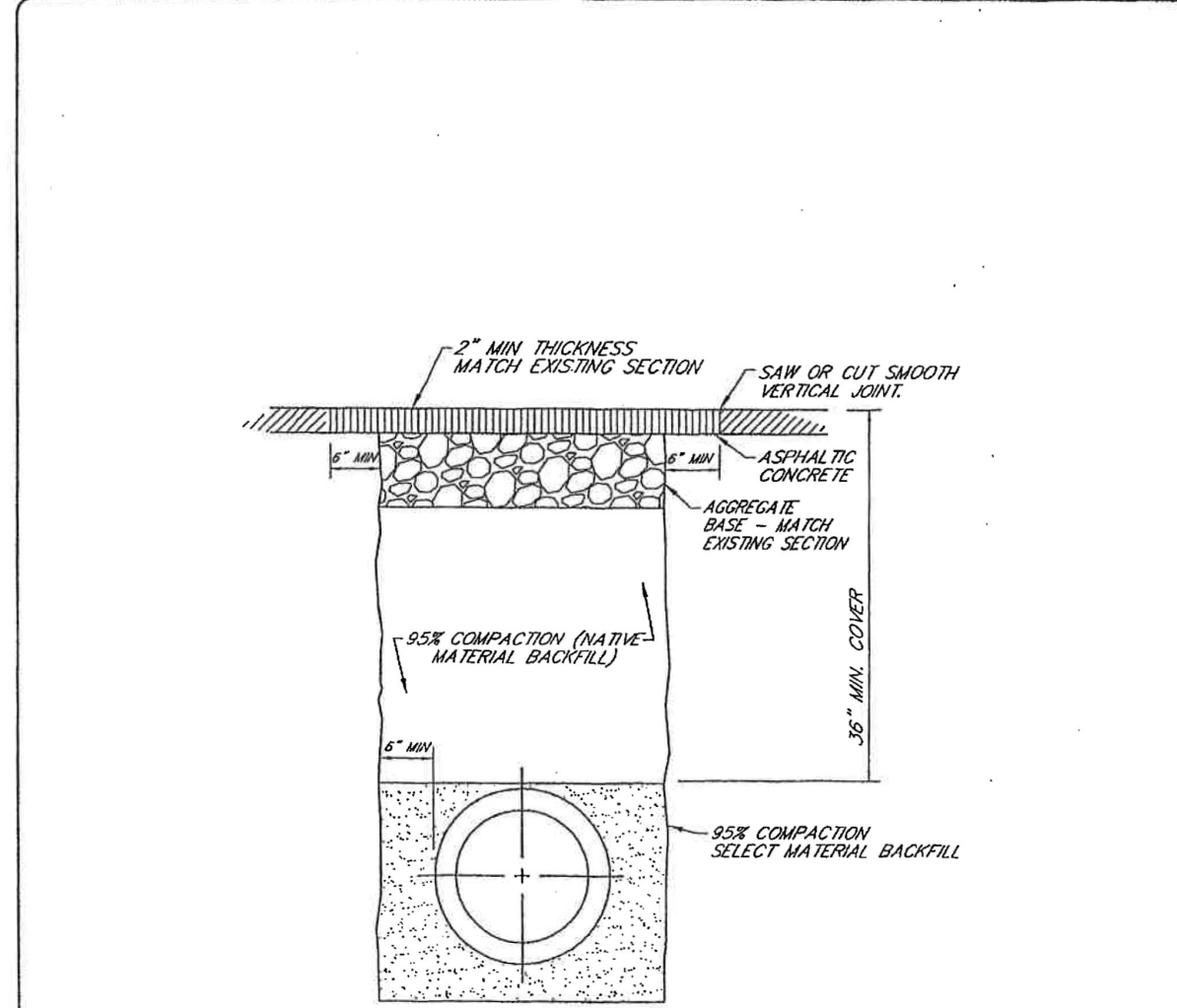


1. ALL PIPE FITTINGS SHALL BE SCHEDULE 40, GALVANIZED STEEL UNLESS OTHERWISE SPECIFIED.
2. CONCRETE SHALL BE 420-C-2000.
3. THE BACKFLOW PREVENTER DEVICES AND INSTALLATIONS SHALL BE APPROVED BY A.H.W.A. AND THE CITY.
4. VALVE ASSEMBLIES MAY HAVE SCREENED OR FLANGED FITTINGS.
5. COAT ALL EXPOSED THREADS WITH AN APPROVED RUST INHIBITING SEALANT.
6. APPROVED PLASTIC TAPE 1/2\"/>

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



	SANITARY SEWER MANHOLE	DRAWN BY: A.D.R. CHECKED BY: R.H.K. SCALE: NONE DATE: 1/24
APPROVED BY:	CITY OF HUGHSON	STANDARD DETAIL 6-SS.1
DATE APPROVED: 6/24/23		



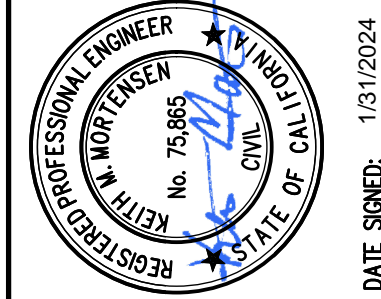
	BACKFILL AND STREET EXCAVATION	DRAWN BY: A.D.R. CHECKED BY: R.H.K. SCALE: NONE DATE: 1/24
APPROVED BY:	CITY OF HUGHSON	STANDARD DETAIL 6-SS.7
DATE APPROVED: 1/5/24		

EST. 1968
PROVOST & PRITCHARD
CONSULTING GROUP
An Employee Owned Company
485 W. FRAVENE
CLOVIS, CALIFORNIA 93811
5584492700 FAX 5584492715
https://provostandpritchard.com

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-13	

30 OF 35

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



BID SET
1/31/2024

COPYRIGHT 2024 BY PROVOST & PRITCHARD CONSULTING GROUP. ALL RIGHTS RESERVED. ENGINEERING GROUP, INC. AND ITS EMPLOYEES, INC. expressly reserves its common law copyright and other intellectual property rights in these plans. These plans are not to be reproduced, changed, or copied in any form or manner whatsoever, nor are they to be used for any purpose other than that authorized in writing by the firm of Provost & Pritchard Engineering Group, Inc. In the event of any dispute, the third party shall hold the firm of Provost & Pritchard Engineering Group, Inc. harmless. The firm of Provost & Pritchard Engineering Group, Inc. is not responsible for any errors or omissions in these plans. The firm of Provost & Pritchard Engineering Group, Inc. is not responsible for any errors or omissions in these plans. The firm of Provost & Pritchard Engineering Group, Inc. is not responsible for any errors or omissions in these plans.

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 -WIEMOLD RFB4 OR EQUAL
	RECESSED FLOOR JUNCTION BOX -WIEMOLD 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 #LMPL-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

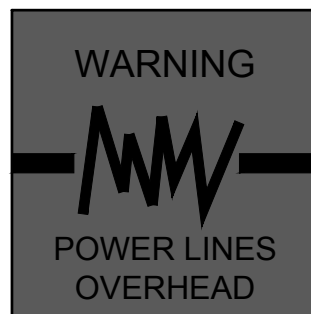
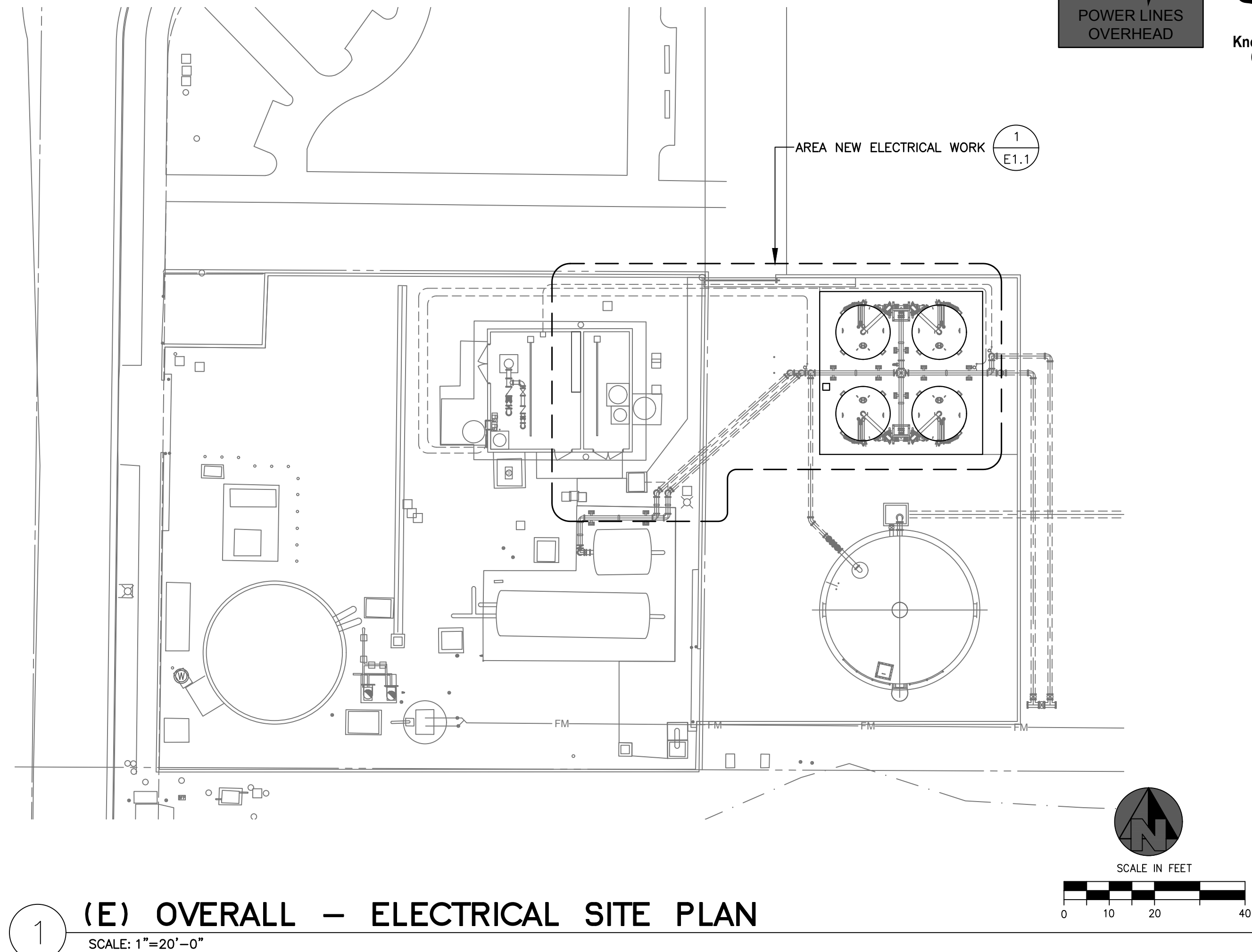
DESIG.	SYMBOL	LAMP	DESCRIPTION	MANUFACTURER
		QTY/WATTS		
A		5900LM LED 59W EACH HEAD	RETROFIT (E) SINGLE HEAD POLE LIGHT w/(N) LED DOUBLE HEAD POLE LIGHT ON (E) POLE & BASE.	LEOTECK AR13 48N MV NW 3 DB 060 MSL3 RPA

GENERAL ELECTRICAL NOTES

- 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.
- 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.
- 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.
- CONDUCTORS SHALL BE COPPER CONDUCTORS TYPE AS NOTED ON CONSTRUCTION DOCUMENTS.
- 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.
- 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.
- 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.
- 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.
- ALL WORK TO BE IN ACCORDANCE WITH REQUIREMENTS OF STATE & GOVERNING LOCAL FIRE CODES AND BUILDING CODES.
- WHERE EXISTING CONSTRUCTION IS CUT, DAMAGED, OR REMODELED, PATCH WITH MATERIALS TO MATCH IN KIND, QUALITY, AND PERFORMANCE.
- WORK SHALL BE EXECUTED IN A CAREFUL AND ORDERLY MANNER WITH THE LEAST POSSIBLE DISTURBANCE TO PUBLIC AND TO OCCUPANTS OF EXISTING BUILDING.
- 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.
- CLEAN ALL EXPOSED SURFACES AND NEW EQUIPMENT AFTER COMPLETION.
- 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.
- ALL CONDUIT SHALL BE TYPE EMT CONDUIT UNLESS OTHERWISE NOTED. TYPE MC CABLE SHALL NOT BE USED UNLESS SPECIFICALLY NOTED ON THE CONSTRUCTION DOCUMENTS.
- OPERATED DEVICES SUCH AS, BUT NOT LIMITED TO, TELE/DATE 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.
- 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.
- 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

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



COPYRIGHT 2021 BY PROVOST & PRITCHARD CONSULTING GROUP, INC. ALL RIGHTS RESERVED. PROVOST & PRITCHARD CONSULTING GROUP, INC. EXPRESSLY RESERVES ITS COMMON LAW COPYRIGHT AND TRADE DRESS IN THE DESIGN, CONCEPT, AND CONTENT OF THESE DRAWINGS. NO PART OF THESE DRAWINGS MAY BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION AND CONSENT OF PROVOST & PRITCHARD CONSULTING GROUP, INC. IN THE EVENT OF A DISPUTE, THE THIRD PARTY SHALL HOLD THE FIRM OF PROVOST & PRITCHARD CONSULTING GROUP, INC. HARMLESS, AND SHALL DEFEND AND HOLD THE FIRM OF PROVOST & PRITCHARD CONSULTING GROUP, INC. HARMLESS FROM AND AGAINST ALL SUCH CLAIMS AND DAMAGES, INCLUDING REASONABLE ATTORNEY'S FEES AND COSTS OF DEFENSE.

BID SET
1/31/2024



WELL 8 TCP MITIGATION PROJECT

CITY OF HUGHSON
HUGHSON, CA

ELECTRICAL
ELECTRICAL LEGEND, ABBREVIATIONS, GENERAL COMPLIANCE NOTES
AND OVERALL ELECTRICAL SITE PLAN

EST. 1965

PROVOST & PRITCHARD
CONSULTING GROUP
All Employees Owned Company
200 WEST CORNELL AVENUE
FRESNO, CALIFORNIA 93711-6162
559/449-2700 FAX 559/449-2715
www.peng.com

DESIGN ENGINEER: KLP

LICENSE NO: 16269

DRAFTED BY: FR
CHECKED BY: KLP

DATE: 1/31/2024

JOB NO: 21-675

PHASE: -

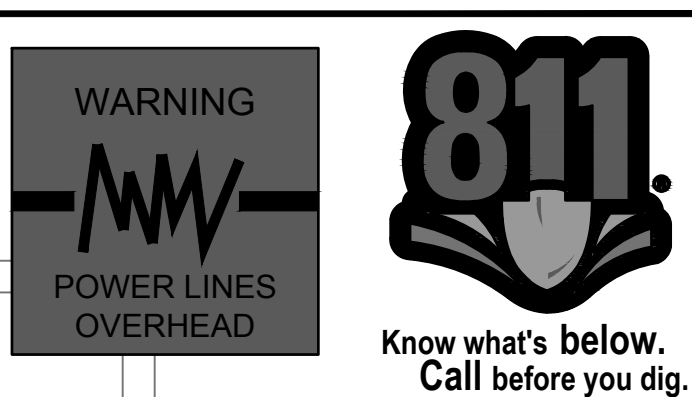
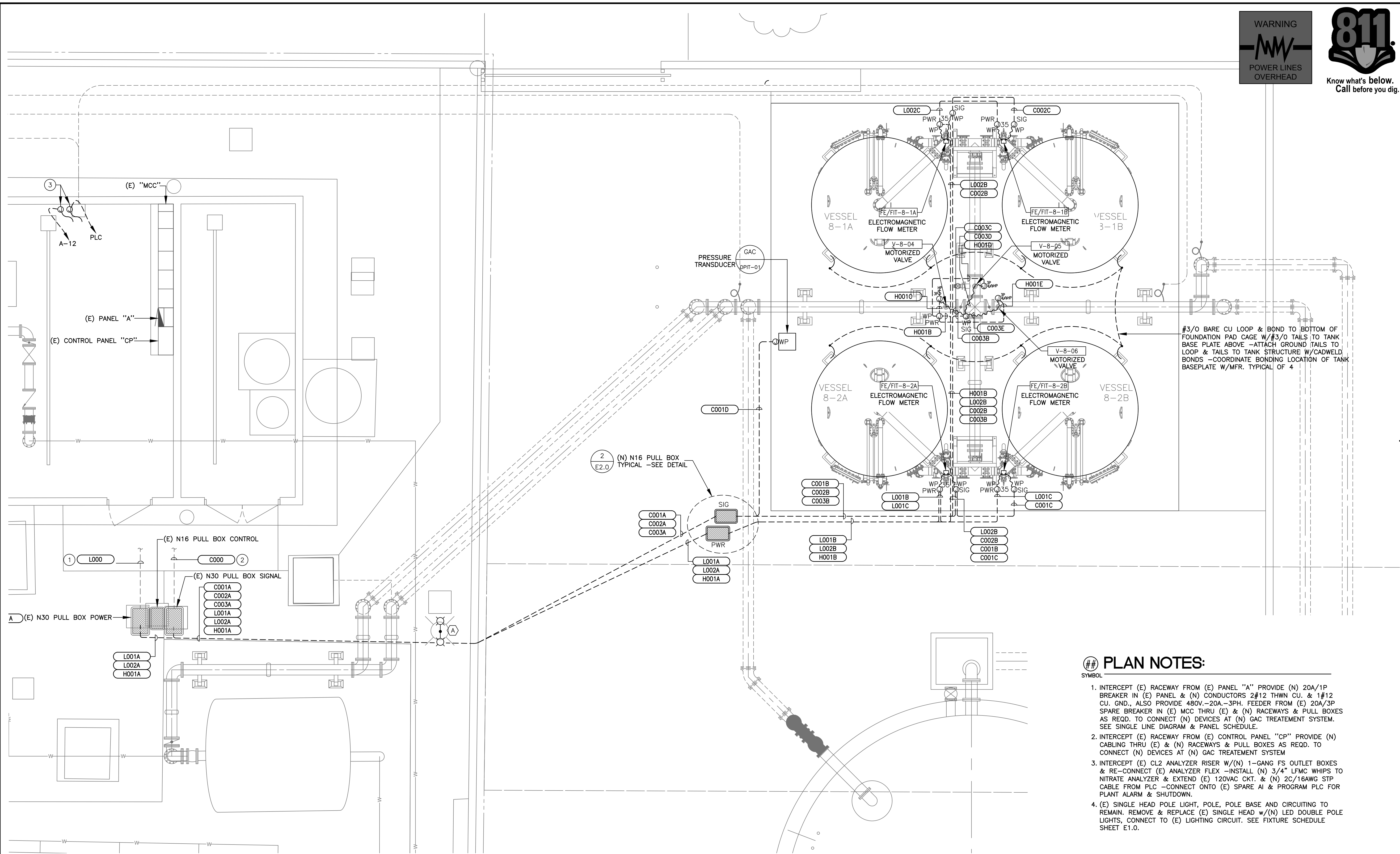
0 1"
ORIGINAL SCALE SHOWN IS
ONE INCH. ADJUST SCALE FOR
REDUCED OR ENLARGED PLANS.

SHEET
E1.0

31 OF 35

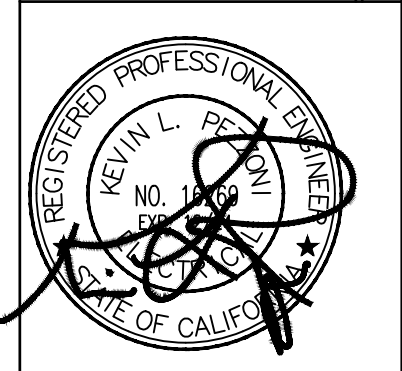


PEZZONI ENGINEERING, INC. © Copyrighted 2022



COPYRIGHT 2021 BY PROVOST & PRITCHARD CONSULTING GROUP, INC. ALL RIGHTS RESERVED. PROVOST & PRITCHARD CONSULTING GROUP, INC. expressly reserves its common law copyright and other intellectual property rights in these plans. These plans are not to be reproduced, stored in a retrieval system, or transmitted in any form or manner whatsoever, nor are they to be used for any purpose other than that for which they were prepared without the written permission and consent of Provost & Pritchard Consulting Group, Inc. In the event of a breach of this agreement, the third party shall hold the firm of Provost & Pritchard Consulting Group, Inc. harmless, and shall defend, protect, and indemnify the firm of Provost & Pritchard Consulting Group, Inc.'s legal fees associated with defending and enforcing these rights.

REVISION	BY	DATE
BID SET		1/31/2024

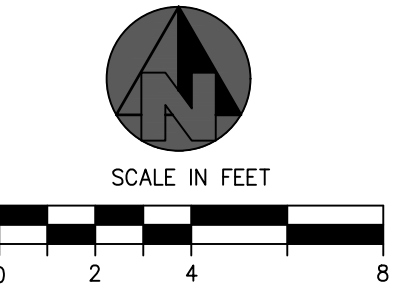


WELL 8 TCP MITIGATION PROJECT
CITY OF HUGHSON
HUGHSON, CA
ELECTRICAL
ELECTRICAL PLAN

EST. 1965 PROVOST & PRITCHARD CONSULTING GROUP All Employees Owned Company 200 WEST COMWELL AVENUE FRESNO, CALIFORNIA 93711-6162 559/448-2700 FAX 559/448-2715 www.pprng.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 E1.1 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.

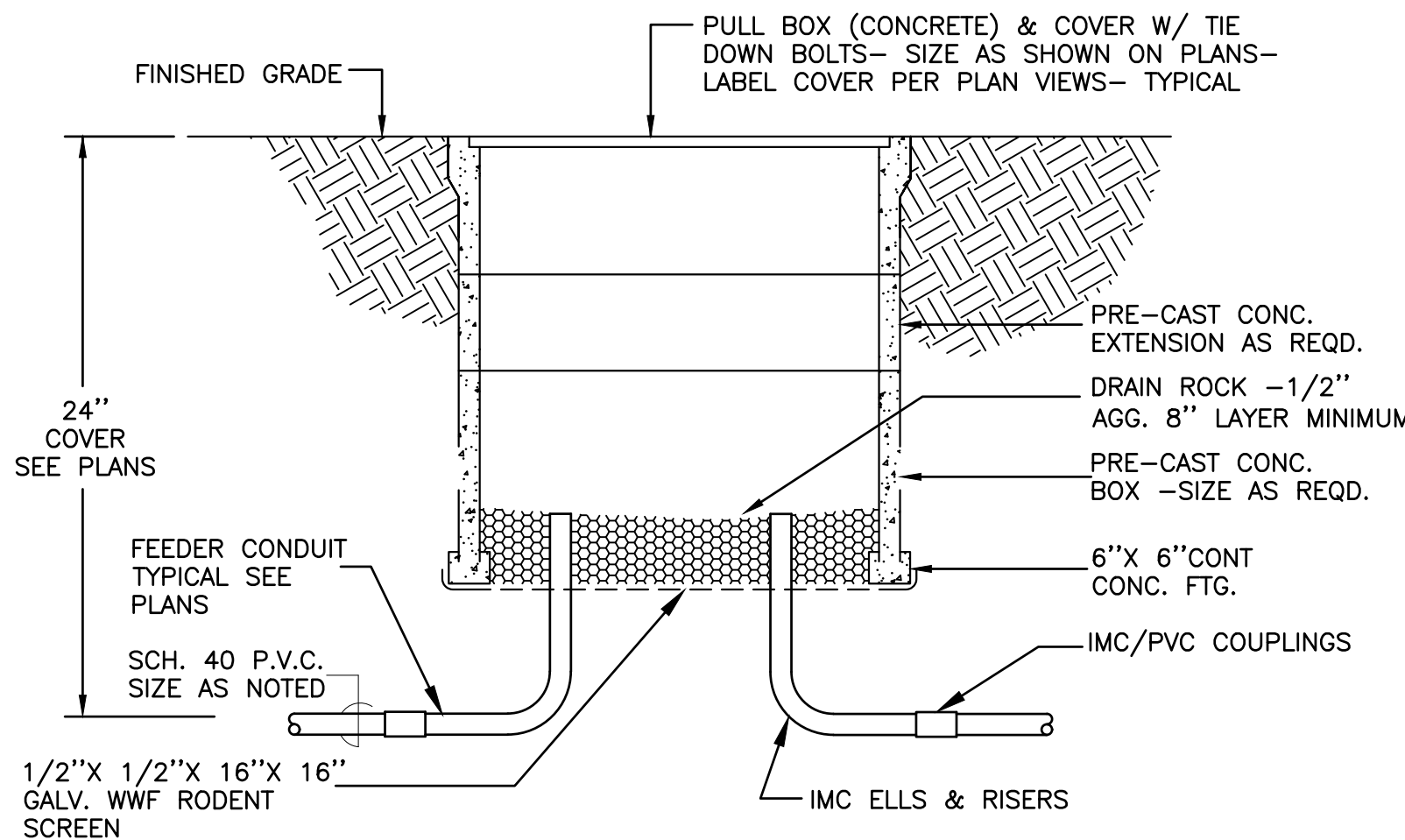


1 PARTIAL EXISTING SITE - ELECTRICAL PLAN
SCALE: 1/4"=1'-0"

PEZZONI
ENGINEERING, INC.
CONSULTING ELECTRICAL ENGINEERS
1150 9TH Street, Suite #1415 Modesto, CA 95354
PHONE: 209-554-4402
HTTP://WWW.PEZZONINGR.COM

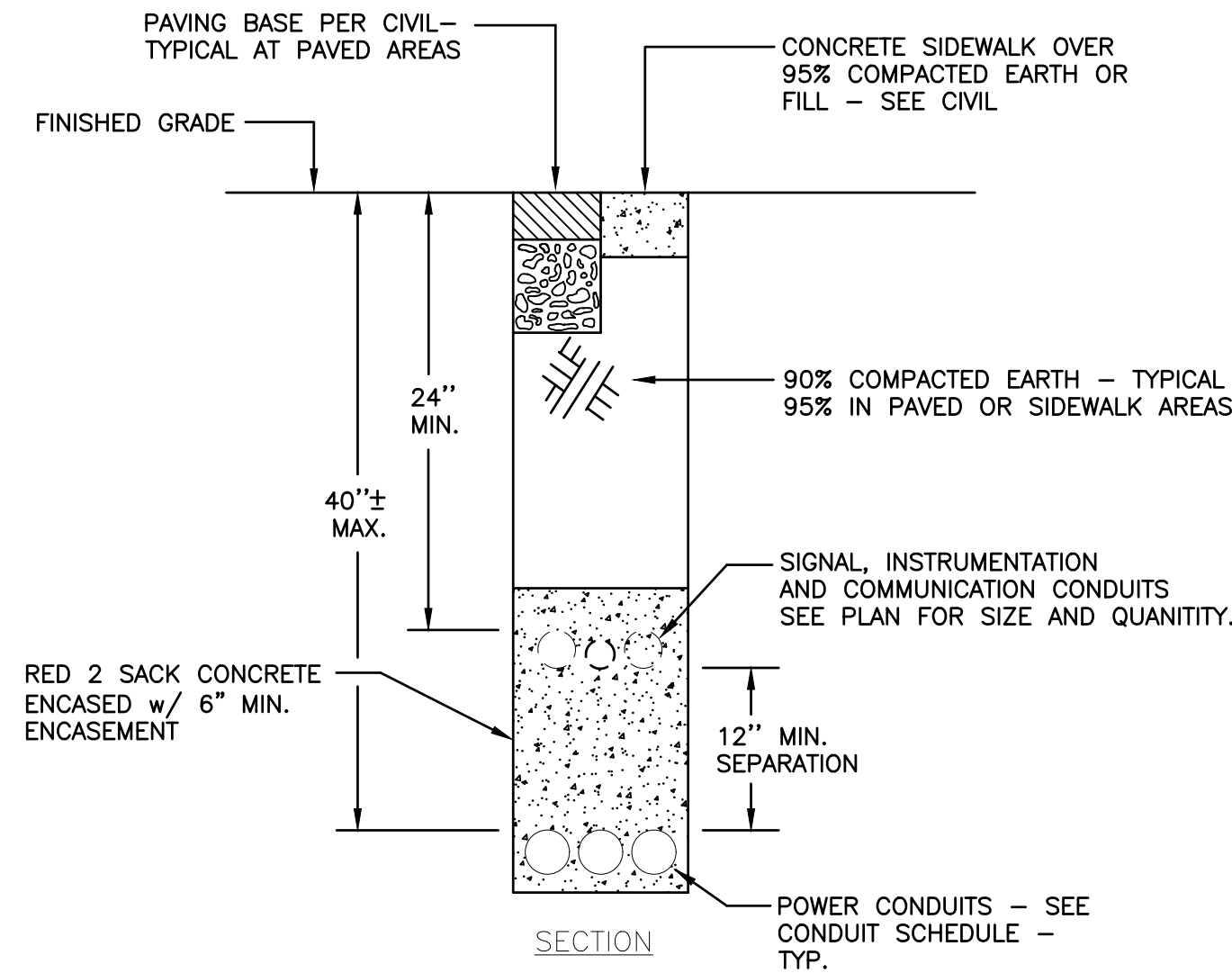
CONDUIT & CABLE SCHEDULE									
CONDUIT ID#	FROM	TO	QNTY	SIZE	TYPE	QNTY	SIZE	GND	NOTES
L 000	(E) PANEL	(E) N30 PULL BOX	1	(E)	(E)	2	#12	#12	FROM (E) PANEL "A" CKT. 35 THRU (E) RACEWAY
	AND (E) MCC					3	#12	#12	FROM (E) SPARE 20A/3P BREAKER IN (E) MCC THRU (E) 1" FROM (E) PANEL A
L 001 A	(E) N30 PULL 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)				[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



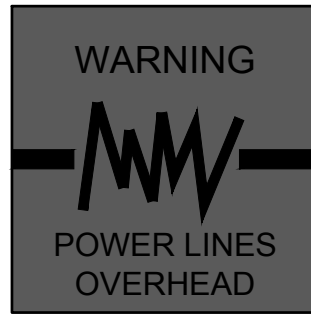
- NOTES:
- 1 TRAFFIC RATED CHRISTY "B" SERIES OR EQUAL MINIMUM BOX SIZE PER PLANS.
 - 2 ADD EXTENSIONS WHERE NECESSARY TO RAISE COVER TO FINISHED GRADE.
 - 3 GROUND COVER FRAME, COVER AND OTHER EXPOSED METAL PARTS TO #8 BARE COPPER GROUND CABLE

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.



COPYRIGHT 2021 BY PROVOST & PRITCHARD CONSULTING ELECTRICAL ENGINEERS, INC. ALL RIGHTS RESERVED. PROVOST & PRITCHARD CONSULTING ELECTRICAL ENGINEERS, INC. EXPRESSLY RESERVES ITS COMMON LAW COPYRIGHT AND TRADE DRESS IN THE DESIGN, CONCEPT, AND CONTENT OF THESE PLANS. THESE PLANS ARE THE PROPERTY OF PROVOST & PRITCHARD CONSULTING ELECTRICAL ENGINEERS, INC. AND ARE NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION AND CONSENT OF PROVOST & PRITCHARD CONSULTING ELECTRICAL ENGINEERS, INC. IN THE EVENT OF A DISPUTE, THE THIRD PARTY SHALL HOLD THE FIRM OF PROVOST & PRITCHARD CONSULTING ELECTRICAL ENGINEERS, INC. HARMLESS, AND SHALL DEFEND, INDEMNIFY, AND HOLD HARMLESS PROVOST & PRITCHARD CONSULTING ELECTRICAL ENGINEERS, INC. FROM AND AGAINST ALL SUCH CLAIMS, DAMAGES, LOSSES, AND EXPENSES, INCLUDING REASONABLE ATTORNEY'S FEES, INCURRED BY PROVOST & PRITCHARD CONSULTING ELECTRICAL ENGINEERS, INC. IN ENFORCEMENT OF THESE TERMS AND CONDITIONS.

BID SET
1/31/2024



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

EST. 1965
PROVOST & PRITCHARD
CONSULTING GROUP
An Employee Owned Company
200 WEST CORNELL AVENUE
FRESNO, CALIFORNIA 93711-6162
559/449-2700 FAX 559/449-2715
www.ppeeng.com

DESIGN ENGINEER: KLP
LICENSE NO: 16269
DRAFTED BY: FR
CHECKED BY: KLP
DATE: 1/31/2024
JOB NO: 21-675
PHASE: -
ORIGINAL SCALE SHOWN IS ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.
SHEET E2.0
33 OF 35

PEZZONI
ENGINEERING, INC.
CONSULTING ELECTRICAL ENGINEERS
1150 9TH Street, Suite #1415 Modesto, CA 95354
PHONE: 209-554-4402
HTTP://WWW.PEZZONIGR.COM

PEZZONI ENGINEERING, INC. © Copyrighted 2022

OPERATOR IDENTIFICATION LETTERS SCHEDULE																			
	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 (OJC)	ONLINE-OFFLINE (OLOL)	AUTO-MANUAL (AM)	FIXED RATE-LEVEL RATE (FLR)	OPEN-CLOSE (OC)	LOW-HIGH (LH)	RESET (RST)	SPEED (SPD)	START-STOP (SS)
	TEST EMERGENCY STOP	BYPASS (BYP)	LEAD-LAG-STANDBY (LLS)	READY (RDY)	POSITION (POS)														
HAND SWITCH/PILOT DEVICE	HSLOR	HSP	HSST	HSOA	HSOO	HSEL	HSOSC	HSJHC	HSSAM	HSL	HSJOJC	HSOLOL	HSAM	HSFLR	HSOC	HSLH	HSRST	HSPD	HSS
SCADA/HMI ACTION TAG	HALOR	HASP	HAST	HAOA	HAOO	HASEL	HAOSC	HAJHC	HASAM	HALS	HAJOJC	HAOLOL	HAAM	HAFLR	HAOC	HALH	HARST	HASPD	HASS

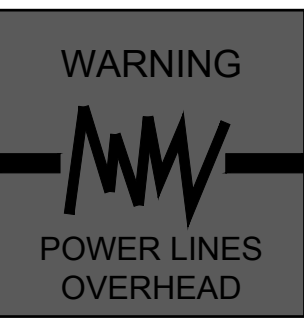
INSTRUMENT IDENTIFICATION LETTERS SCHEDULE																			
	ELEMENT	TRANSMITTER	TRANSMITTER INDICATING	INDICATOR	RECORDER	CONTROLLER	CONTROLLER INDICATING	CONTROLLER RECORDING	SWITCH	SWITCH LOW-LOW	SWITCH LOW	SWITCH HIGH	SWITCH HIGH-HIGH	SWITCH HIGH-LOW	ALARM LOW-LOW	ALARM LOW	ALARM HIGH	ALARM HIGH-HIGH	VALVE
	GAUGE	GAUGE	GAUGE	GAUGE	GAUGE	GAUGE	GAUGE	GAUGE	GAUGE	GAUGE	GAUGE	GAUGE	GAUGE	GAUGE	GAUGE	GAUGE	GAUGE	GAUGE	GAUGE
A ANALYSIS	AE	AT	AIT	AI	AR	AC	AIC	ARC	AS	ASLL	ASL	ASH	ASHH	ASHL	AALL	AAL	AAH	AAHH	
B BURNER, COMBUST.	BE	BT	BIT	BI	BR	BC	BIC	BRC	BS	BSLL	BSL	BSH	BSHH	BSHL	BALL	BAL	BAH	BAHH	
C CONDUCTIVITY	CE	CT	CIT	CI	CR	CC	CIC	CRC	CS	CSLL	CSL	CSH	CSHH	CSHL	CALL	CAL	CAH	CAHH	
D DENSITY	DE	DT	DIT	DI	DR	DC	DIC	DRC	DS	DSLL	DSL	DSH	DSHH	DSHL	DALL	DAL	DAH	DAHH	
F FLOW	FE	FT	FIT	FI	FR	FC	FIC	FRC	FS	FSLL	FSL	FSH	FSHH	FSHL	FALL	FAL	FAH	FAHH	FCV
FF FLOW RATIO							FFC	FFIC		FFS									FG
G GAUGE, DIMENSION																			
I CURRENT		IT	IIT	II	IR	IC	IIC	IRC	IS	ISLL	ISL	ISH	ISHH		IALL	IAL	IAH	IAHH	
P POWER																			
K TIME				KI	KR	KC	KIC	KRC	KS	KSLL	KSL	KSH	KSHH		KALL	KAL	KAH	KAHH	KCV
L LEVEL	LE	LT	LIT	LI	LR	LC	LIC	LRC	LS	LSLL	LSL	LSH	LSHH		LALL	LAL	LAH	LAHH	LCV
M MOISTURE, HUMIDITY	ME	MT	MIT	MI	MR	MC	MIC	MRC	MS	MSLL	MSL	MSH	MSHH		MALL	MAL	MAH	MAHH	
N EMERG. SHUTDOWN																			
P PRESSURE	PE	PT	PIT	PI	PR	PC	PIC	PRC	PS	PSLL	PSL	PSH	PSHH	PSHL	PALL	PAL	PAH	PAHH	PCV
PD PRESSURE DIFFERENTIAL				PDI	PDR	PDC	PDIC	PDRC	PDS	PDSLL	PDSL	PDSH	PDSHH		PDALL	PDAL	PDAH	PDAHH	PDCV
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
TD TEMPERATURE DIFFERENTIAL		TDI	TDIT	TDI	TDR	TDC	TDIC	TDRC	TDS	TDSLL	TDSL	TDSH	TDSHH		TDALL	TDAL	TDH	TDHH	TDCV
U MULTI-VARIABLE				UI	UR	UC	UIC	URC	US										
V VISCOSITY	VE	VT	VIT	VI	VR	VC	VIC	VRC	VS	VSLL	VSL	VSH	VSHH		VALL	VAL	VAH	VAHH	
W WEIGHT	WE	WT	WIT	WI	WR				WS	WSLL	WSL	WSH	WSHH		WALL	WAL	WAH	WAHH	
U UNCLASSIFIED	XE	XT	XIT	XI	XR	XC	XIC	XRC	XS	XSLL	XSL	XSH	XSHH		XALL	XAL	XAH	XAHH	XCV
XV VIBRATION	XVE	XVT		XVI	XVR				XVS			XVSH	XVSHH				XVAH	XVAHH	
Y STATUS				YI															
Z POSITION	ZE	ZT	ZIT	ZI					ZS										

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 #			
CONTINUATION TAG			
(1) 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 # (2) FUNCTION (3) DESCRIPTION 1 (4) DESCRIPTION 2 (5)	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 # (2) FUNCTION (3) DESCRIPTION 1 (4) DESCRIPTION 2 (5)	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 # (2) FUNCTION (3) DESCRIPTION 1 (4) DESCRIPTION 2 (5)	SEE OPERATOR IDENTIFICATION LETTERS SCHEDULE	IDENTIFICATION NUMBER PER PLANS	LCP =LOCAL CONTROL PANEL MCC =MOTOR CONTROL CENTER VCP =VENDOR/3RD PARTY PANEL	DESCRIPTION	DESCRIPTION
INSTRUMENT PRIMARY ELEMENT		(1) TAG LOOP # (2) FUNCTION (3) DESCRIPTION 1 (4) DESCRIPTION 2 (5)	SEE INSTRUMENT IDENTIFICATION LETTERS SCHEDULE	IDENTIFICATION NUMBER PER PLANS	INSTRUMENT READING VALUE/TYPE	DESCRIPTION	DESCRIPTION
INSTRUMENT PRIMARY ELEMENT OPERATOR ACCESSIBLE		(1) TAG LOOP # (2) FUNCTION (3) DESCRIPTION 1 (4) DESCRIPTION 2 (5)	SEE INSTRUMENT IDENTIFICATION LETTERS SCHEDULE	IDENTIFICATION NUMBER PER PLANS	INSTRUMENT READING VALUE/TYPE	DESCRIPTION	DESCRIPTION
INSTRUMENT AUXILIARY ELEMENT OPERATOR ACCESSIBLE		(1) TAG LOOP # (2) FUNCTION (3) DESCRIPTION 1 (4) DESCRIPTION 2 (5)	SEE INSTRUMENT & OPERATOR IDENTIFICATION LETTERS SCHEDULE	IDENTIFICATION NUMBER PER PLANS	INSTRUMENT READING VALUE/TYPE	DESCRIPTION	DESCRIPTION
INSTRUMENT PRIMARY ELEMENT OPERATOR INACCESSIBLE		(1) TAG LOOP # (2) FUNCTION (3) DESCRIPTION 1 (4) DESCRIPTION 2 (5)	SEE INSTRUMENT & OPERATOR IDENTIFICATION LETTERS SCHEDULE	IDENTIFICATION NUMBER PER PLANS	INSTRUMENT READING VALUE/TYPE	DESCRIPTION	DESCRIPTION
INSTRUMENT AUXILIARY ELEMENT OPERATOR INACCESSIBLE		(1) TAG LOOP # (2) FUNCTION (3) DESCRIPTION 1 (4) DESCRIPTION 2 (5)	SEE INSTRUMENT & OPERATOR IDENTIFICATION LETTERS SCHEDULE	IDENTIFICATION NUMBER PER PLANS	INSTRUMENT READING VALUE/TYPE	DESCRIPTION	DESCRIPTION
PLC I/O		(1) TAG LOOP # (2) FUNCTION (3) DESCRIPTION 1 (4)	SEE INSTRUMENT & OPERATOR IDENTIFICATION LETTERS SCHEDULE	IDENTIFICATION NUMBER PER PLANS	SYMBOL TYPE △ DISCRETE INPUT ▽ DISCRETE OUTPUT ▲ ANALOG INPUT ▼ ANALOG OUTPUT	DESCRIPTION	N.A.

PEZZONI ENGINEERING, INC.
CONSULTING ELECTRICAL ENGINEERS
1150 9TH Street, Suite #1415 Modesto, CA 95354
PHONE: 209.554.4802
HTTP://WWW.PEZZONIGR.COM



PROVOST & PRITCHARD
CONSULTING GROUP, INC. ALL RIGHTS RESERVED.
This document is the property of Provost & Pritchard Consulting Group, Inc. and is not to be distributed, copied, or used in any form or manner without the written permission and consent of Provost & Pritchard Consulting Group, Inc. In the event of a dispute, the third party shall hold the firm of Provost & Pritchard Consulting Group, Inc. harmless, and shall defend, indemnify, and hold the firm of Provost & Pritchard Consulting Group, Inc. harmless from and against all claims, damages, and expenses, including reasonable attorneys' fees, associated with defending and enforcing these rights.

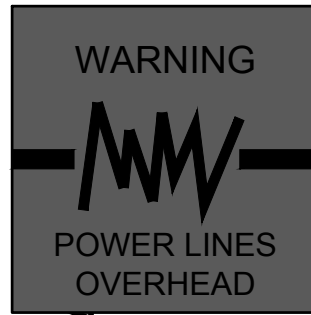
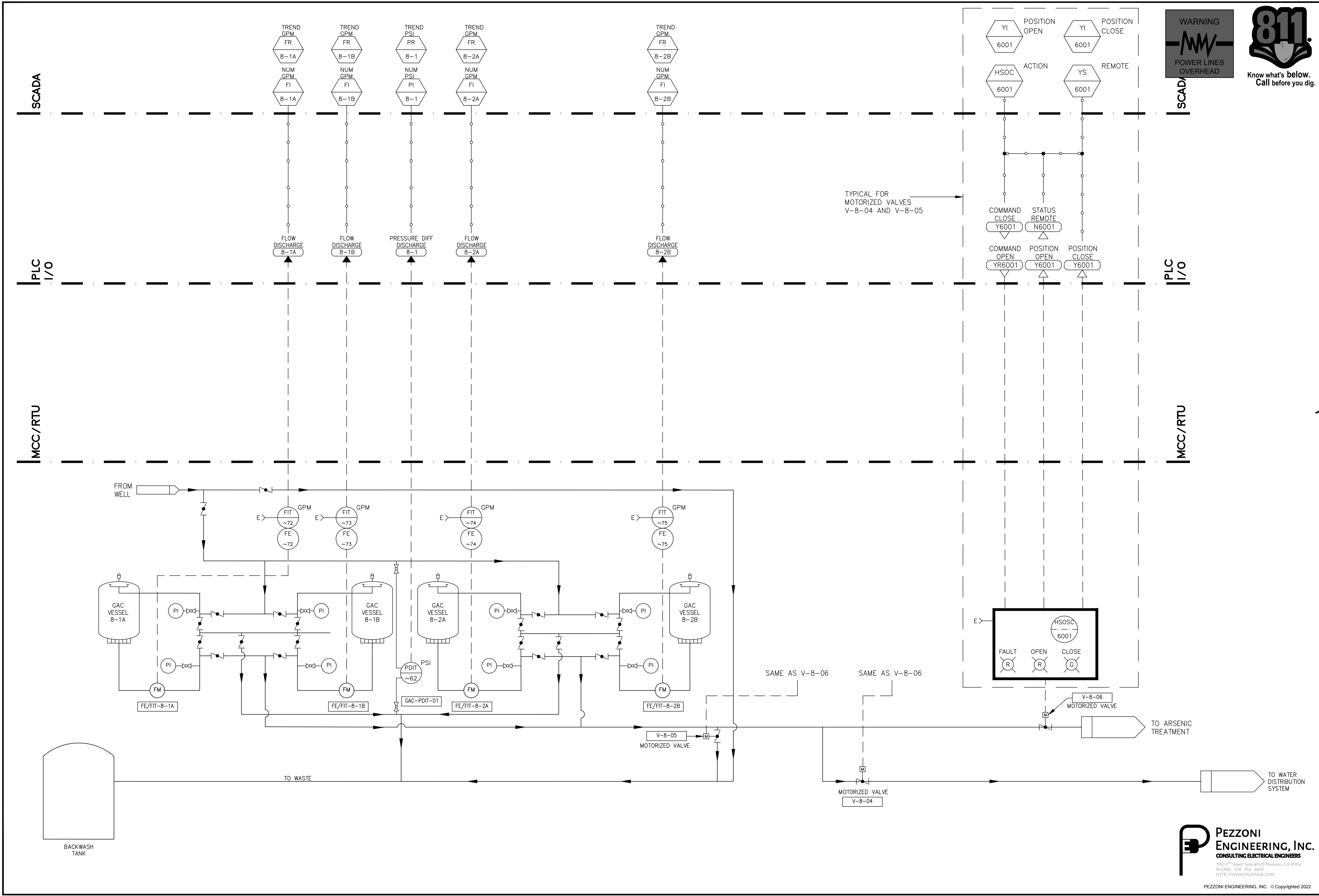
BID SET
1/31/2024



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

PROVOST & PRITCHARD
CONSULTING GROUP
All Employees Owns Company
200 WEST COMWELL AVENUE
FRESNO, CALIFORNIA 93711-6162
559/449-2700 FAX 559/449-2715
www.peng.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



WELL 8 TCP MITIGATION PROJECT		BID SET 1/31/2024	
CITY OF HUGHSON HUGHSON, CA		REVISION	
ELECTRICAL GAC AND MOTORIZED VALVES P&ID		BY: DATE	
EST. 1965 PROVOST & PRITCHARD CONSULTING ELECTRICAL ENGINEERS All Employees Owned Company FRESNO, CALIFORNIA 93711-6162 559/449-2700 FAX 559/449-2715 www.ppeeng.com		DESIGN ENGINEER: KLP LICENSE NO.: 16269	
		DRAFTED BY: FR	
		CHECKED BY: KLP	
		DATE: 1/31/2024	
		JOB NO: 21-675	
		PHASE: -	
		ORIGINAL SCALE SHOWN IS 0 1" ONE INCH. ADJUST SCALE FOR REDUCED OR ENLARGED PLANS.	
		SHEET 10-10	
		35 OF 35	



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.

TABLE OF CONTENTS

<u>Description</u>	<u>Page No.</u>
BID.....	3
BID SCHEDULE.....	5
LIST OF SUBCONTRACTORS.....	6
PUBLIC CONTRACT CODE.....	7
Public Contract Code Section 10285.1 Statement.....	7
Public Contract Code Section 10162 Questionnaire.....	7
Public Contract Code 10232 Statement.....	8
NONCOLLUSION AFFIDAVIT	9
BIDDER'S BOND	11
SAMPLE CONTRACT	12
SAMPLE PAYMENT BOND	22
SAMPLE PERFORMANCE BOND.....	23

(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	\$	\$
TOTAL BID SCHEDULE A				\$	

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.

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

(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)

City of Hughson
Well 8 TCP Mitigation Project

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

Item	F	Description	Quantity	Units	Unit Price	Total
1						
2						

Item	F	Description	Quantity	Units	Unit Price	Total
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

officials, and volunteers from and against any demand or claim for damages, compensation, fines, penalties or other amounts arising out of or incidental to any acts or omissions listed above by any person or entity (including Contractor, its subcontractors, and each of their officials, officers, employees and agents) in connection with any work undertaken or in connection with the Contract, including without limitation the payment of all consequential damages, attorneys' fees, and other related costs and expenses. This indemnity requirement applies to any claim, liability, compensation, fines, penalties, or other amounts arising from or incidental to any alleged defects in the content or manner of submission of the Contractor's bid for the Contract. All duties of Contractor under this Section shall survive termination of the Contract.

14. Assignment

Neither party may assign any of its rights or delegate any of its obligations hereunder without the prior written consent of the other party, which consent shall not be unreasonably withheld, conditioned or delayed. Any purported assignment or delegation in violation of this Section shall be null and void. No assignment or delegation shall relieve the assigning or delegating party of any of its obligations hereunder.

15. Insurance

- 15.1. Contractor, if required to work on City property during the contract period, shall submit proof of insurance to City showing City, its officers, agents, and employees named as Additional Insured and insurance policy shall contain provisions that such policy may not be cancelled except after thirty (30) days written notice to City, ten (10) day's notice if cancellation is due to nonpayment of premium.
- 15.2. Contractor agrees that Contractor is responsible to ensure that the requirements set forth in this section/paragraph are also met by Contractor's subcontractors/consultants who provide services pursuant to this Agreement. Copies of insurance certificates shall be filed with the City.
- 15.3. General Liability Limits
- | | |
|--|-----------------------|
| 15.3.1. BI & PD combined/per occurrence | \$1,000,000 |
| /Aggregate | \$1,000,000 |
| 15.3.2. Personal Injury/Aggregate | \$1,000,000 |
| 15.3.3. Workers' Compensation and Employer's Liability | Statutory requirement |

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.

(SEAL) Notary Public

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 _____ 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**.

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.

This Page Intentionally Blank

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

NOTICE TO BIDDERS

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 **XXXXXXX.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

Ashton Gose
City Clerk
City of Hughson

Date

This Page Intentionally Blank

**CITY OF HUGHSON COMMUNITY
DEVELOPMENT DEPARTMENT**

SPECIAL PROVISIONS

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*.

DIVISION I GENERAL PROVISIONS

A A

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

- **Add to Section 2-1.06B**

<u>Means</u>	<u>Description</u>
n/a	n/a

- [illegible]

- **Replace Submit Any Bid Protest To The Office Engineer section 3-1.04 with:**

- **Replace the table in the third paragraph (Contract Award Period) of section 3-1.04 with:**

- **Replace the provisions of Section 3-1.07 Insurance Policies with:**

- Page 40

- **Delete the provisions of Section 4-1.07 – Value Engineering**

- **Delete the provisions of Section 5-1.13C Disabled Veterans Business Enterprise:**
- **Delete the provisions of Section 5-1.13D Non-Small Businesses**
- **Modify the provisions of Section 5-1.23A as follows:**

- **Replace section 5-1.26 with:**

CONSTRUCTION SURVEYS

General

Summary

The Survey Plan, surveying calculations, survey notes, and other records submitted to establish the exact position of the work must be completed under the direction of and signed by a Professional Land Surveyor who is registered in the State of California.

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**

6 CONTROL OF MATERIALS

- **Delete the provisions of Section 6-2.03 – Department-Furnished Materials**

- **Delete the provisions of Section 6-2.05 – Buy America**

- **Replace the footnote to the table in the 2nd paragraph of section 6-3.05B with:**
Distance is air-line miles from Sacramento to the inspection source.

7 LEGAL RELATIONS AND RESPONSIBILITY TO THE PUBLIC

- **Replace the fifth paragraph of Section 7-1.02K (3) with:**

Submit payroll forms electronically to the Engineer and to the Department of Industrial Relations Electronic Certified Payroll Reporting System.

- Replace the table (Liability Limits) in Section 7-1.06D (2) with:

1.1. General Liability Limits	
1.1.1. BI & PD combined/per occurrence/Aggregate	\$1,000,000
1.1.2. Personal Injury/Aggregate	\$1,000,000
1.1.3. Workers' Compensation and Employer's Liability	\$1,000,000 Statutory requirement

8 PROSECUTION AND PROGRESS

- **Replace the paragraphs and subsections in section 8-1.02C (3) with:**

Use Microsoft Project for scheduling.

AA

9 PAYMENT

- **Delete section 9-1.07.**

- **Add to section 9-1.16C:**

The following items are eligible for progress payment even if they are not incorporated into the work:

None

- **Replace section 9-1.16F:**

The City retains 5% of all progress payments subject to the provisions of Public Contract Code § 9203. The City releases retention not sooner than 30 days after filing of the Notice of Completion with the Stanislaus County Recorder.

- **Add to section 9-1.17D(1):**

The City will pay the final estimate, subject to the other conditions in this section, within 30 days following final acceptance by the City of Hughson City Council. The Notice of Completion is filed after acceptance by the City Council.

- **Replace the paragraphs in section 9-1.22 with:**

Claims are processed following the requirements found in Public Contract Code § 10204 et seq.

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.

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