Kirkwood Meadows Public Utility District Operations Committee SPECIAL MEETING NOTICE

NOTICE IS HEREBY GIVEN that the Operations Committee of the Kirkwood Meadows Public Utility District has called a Special Meeting of the Committee to be held on Wednesday, July 5, 2023 2:00 p.m. via Zoom at: https://us02web.zoom.us/j/87574849196

HOW TO PARTICIPATE / OBSERVE THE MEETING:

Telephone: Call Zoom at (669) 900-6833 and enter Meeting ID# **875 7484 9196** followed by the pound (#) key.

Computer: Follow this link to join the meeting

automatically: https://us02web.zoom.us/j/87574849196

Mobile: Open the Zoom mobile app on a smartphone and enter Meeting ID# 875 7484 9196

ACCESSIBILITY INFORMATION:

Committee meetings are accessible to people with disabilities and others who need assistance. Individuals who need special assistance or a disability-related modification or accommodation (including auxiliary aids or services) to observe and/or participate in this meeting and access meeting-related materials should contact the District, at least 48-hours before the meeting at (209) 258-4444 or info@kmpud.com Advanced notification will enable the District to swiftly resolve such requests and ensure accessibility.

Distribution Date: June 28, 2023

Kirkwood Meadows Public Utility District Operations Committee SPECIAL MEETING NOTICE

AGENDA

- 1) Utility Updates.
 - a. Electric
 - b. Fire
 - c. Playground
 - d. Propane
 - e. Snow Removal
 - f. Solid Waste
 - g. Water
 - h. Wastewater
- 2) **WWTP Repair & Rehabilitation Project Notice of Award.** Discussion & possible action.
- 3) Electric Master Plan / EV Charging. Discussion & possible action.
- 4) Propane Master Plan & Intended Scope of Project. Discussion & possible action.
- 5) Future Topics.

Next Meeting/Staff Recommendation: Wednesday, August 23, 2023 - 2:00pm.

The Kirkwood Meadows Public Utility District is an Equal Opportunity Provider and Employer.

In compliance with the Americans with Disabilities Act, if you are a disabled person and you need a disability-related modification or accommodation to participate in this meeting, please contact the District at (209) 258-4444, by email to info@kmpud.com. Requests must be made as early as possible, and at least two business days before the meeting.

Distribution Date: June 28, 2023



Stantec Consulting Services Inc.

2250 Douglas Blvd, Suite 260, Roseville CA 95661

June 30, 2023 File: 184031686

Attention: Erik Christeson, PE

33540 Loop Road Kirkwood, CA 95646

Reference: KMPUD WWTP Improvements Project Bid Review

On June 29, 2023, Kirkwood Meadows PUD received bids from two general contractors for the Wastewater Treatment Plant Improvements Project. During the bid opening, the District announced the available funding limit for the project is \$6,000,000, which became the basis of evaluating the low bidder as defined in Contract Specification Section 00200. Bids were received from general contractors KG Walters Construction and Integrated Water Services, as summarized in the table below. Because the Total Base Bid from both contractors were above the funding limit, the deductive bid schedule was used to determine the lowest bidder.

BASE BID SCHEDULE				
Bid Item No.	Bid Item Description	KG Walters Construction	Integrated Water Services	
1	Lump Sum Bid	\$ 6,266,000	\$ 6,325,000	
2	Shoring	\$ 1,500	\$ 20,000	
3	Property Insurance	\$ 101,000	\$ 10,000	
	TOTAL BASE BID	\$ 6,368,500	\$ 6,355,000	

DEDUCTIVE BID ITEM SCHEDULE			
Deduct Bid Item No.	Deduct Description	KG Walters Construction	Integrated Water Services
·		\$ 1,437,000	\$ 1,150,000
TOTAL BI	D WITH DEDUCTIVE BID ITEM	\$ 4,931,500	\$ 5,205,000



June 30, 2023 Erik Christeson, PE Page 2 of 3

Reference: KMPUD WWTP Improvements Project Bid Review

The following forms required to be submitted within the bid documents were reviewed for completeness and acceptability and were used to determine the bidder responsiveness:

- 1. Bid Form (00410)
- 2. Addendum Acknowledgement (00410)
- 3. Bid Bond (00430) [notarized]
- 4. List of Subcontractors (00434)
- 5. List of Equipment Manufacturers (00436)
- 6. Compliance Statement (00440)
- 7. Certification Regarding Debarment (00450)
- 8. Construction Contractor's Qualification Statement (00451)
- 9. Contractor's Certificate Regarding Worker's Compensation (00457)
- 10. Certification for Contracts, Grants, and Loans (00460)
- 11. Iran Contracting Act Certification (00461)
- 12. Supplemental Information Required After Bid Opening (00410)
 - A. Certification of Electrical Subcontractors Experience and Qualifications (00452)
 - B. Certification of System Supplier Experience and Qualifications (00453)

After review of the bidders' documentation, the following items are of significance:

- All bids received were above the announced funding limit. Therefore, if an award is made, the award is based on the lowest monetary bid received (for a responsive, responsible, bidder) for the total bid with deductive bid item "A".
- Both bidders included the appropriate information within their bid.
- KG Walters (lowest bidder) has provided all supplemental bid documentation prior to the required deadline.



June 30, 2023 Erik Christeson, PE Page 3 of 3

Reference: KMPUD WWTP Improvements Project Bid Review

In accordance with the Contract Documents, Stantec confirmed the lowest bidder, KG Walters, and all of the named subcontractors hold a valid contractor's license, has the appropriate insurance and bonding capacity, are registered at the DIR, and have acceptable references. Although time has not allowed for contacting references, Stantec has worked with KG Walters and their electrical and instrumentation subcontractors (San Joaquin Electric and George T Hall) on previous projects and know they have specialized experience working on wastewater treatment facilities. Therefore, we have determined KG Walters is qualified to perform the work necessary to complete the KMPUD Wastewater Treatment Plant Improvements Project.

Based on the above assessment, and as defined by the Contract Specifications, KG Walters is the lowest, responsive, responsible bidder. According to the Public Contract Code, division 2, section 12102.2, the bid protest period officially ends five business days after notice of intent to award. Assuming no bid protests are received by the District and USDA approves the award, it is Stantec's recommendation that the District enter into a contractual agreement with KG Walters for the construction of the KMPUD Wastewater Treatment Plant Improvements Project.

Regards,

STANTEC CONSULTING SERVICES INC.

Beth Cohen, PE Principal Engineer Phone: (916) 773-8100

Fax: (916) 773-8448 Beth.Cohen@stantec.com

Attachment: KG Walters bid forms and supplemental bid documents

BID FORM



KIRKWOOD MEADOWS PUBLIC UTILITY DISTRICT WASTEWATER TREATMENT PLANT IMPROVEMENTS PROJECT

BY: 44

The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

ARTICLE 1—OWNER AND BIDDER

- 1.01 This Bid is submitted to Kirkwood Meadows Public Utility District, at a location and time noted in Section 00100 Advertisement to Bid.
- 1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

ARTICLE 2—ATTACHMENTS TO THIS BID

- 2.01 The following documents are submitted with and made a condition of this Bid:
 - A. Section 00420 Non Collusion Affidavit To Be Executed By Bidder and Submitted With Bid
 - B. Section 00430 Required Bid security
 - C. Section 00434 List of Proposed Subcontractors
 - D. Section 00436 List of Proposed Suppliers
 - E. Section 00440 Compliance Statement
 - F. Section 00450 Certification Regarding Debarment
 - G. Section 00451 Certification of Bidder Experience and Qualification
 - H. Section 00457 Contractor's Certificate Regarding Workers' Compensation
 - I. Section 00460 Certification For Contracts, Grants, and Loans
 - J. Section 00461 Iran Contracting Act Certification
- 2.02 The following documents shall be submitted after bid opening:
 - A. In evaluating Bidders, Owner may request supplemental information on the qualifications and experience of the subcontractors listed in Section 00434 and equipment manufacturers listed in Section 00436.
 - B. The undersigned Bidder understands that a Bidder will be potentially ineligible for an award of Contract unless the Bidder has furnished the required Electrical Subcontractor and System

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Name of Bidder

Integrator certifications within three (3) business days after receipt of bids as required in Sections 00452 and 00453, respectively.

ARTICLE 3—BASIS OF BID—LUMP SUM BID AND UNIT PRICES

3.01 Lump Sum and Unit Prices

Bidder will complete the Work in accordance with the Contract Documents for the following price(s); see Specification section 00200 for comparison and evaluation of bids:

Base Bid Schedule

Item No.	Description	Bid Amount
1	Lump Sum Bid: Costs for all work associated with the KMPUD Wastewater Treatment Plant Improvements Project, excluding work listed in other bid items. \$ Six Mulion two hundred Sixty - to then sand doman; wen Six (in words)	\$ 6,266,000 ** \$ (in figures)
2	Shoring: Sheeting, Shoring, and Bracing or equivalent method for the protection of life and limb in trenches and open excavations in conformance with all applicable safety orders. \$ One-thousand five-hundred dollars even	\$ 1,500,00 (in figures)
3	(in words) Property Insurance: Cost for providing Property (Builder's "All-Risk") Insurance in accordance with Section 00800. All other required insurance are to be included in Bid Item 1. \$ One hundred one thousand dollars even (in words)	\$ <u>101,000</u> -00 (in figures)

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item No.	Description	Bid Amount
1	SIX million three five thousand Six million three free handred dollar evan Six million three fine handred dollar evan Six million three hundred	6,368,500° \$
	Sixty Eight thousand live - hundred dollars	

Deductive Bid Item Schedule

Item No.	Description	Bid Amount
Α	Equalization Storage Tank: Remove from the Project scope of work the new EQ Storage Tank No.1 and associated EQ Tank inlet and outlet piping. Further, remove from the Project scope of work the demolition surrounding EQ Tank No.1 (demolition of existing EQ Tank No.1, EQ Tank No. 6, trees, and piping). Some mulian four hundred thirty seven thousand dollars even (in words)	\$ 1,437,006 (in figures)
	TOTAL BID WITH DEDUCTIVE BID ITEM "A" Sum of all contract services including Base Bid items 1-3 and deductive item A. \$ Four million nine hundred thirty- one thousand frue hundred downs lumber line hundred downs lumber line words)	\$ 4,931,500 — (in figures)

ARTICLE 4—TIME OF COMPLETION

- 4.01 Bidder agrees that the Work will be substantially complete and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.
- 4.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

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ARTICLE 5—BIDDER'S ACKNOWLEDGEMENTS: ACCEPTANCE PERIOD, INSTRUCTIONS, AND RECEIPT OF **ADDENDA**

- 5.01 Bid Acceptance Period
 - A. This Bid will remain subject to acceptance for 60 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.
- 5.02 Instructions to Bidders
 - A. Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security.
- 5.03 Receipt of Addenda
 - Bidder hereby acknowledges receipt of the following Addenda:

Addendum Number	Addendum Date
Addendun #1	June 14, 2023

ARTICLE 6—BIDDER'S REPRESENTATIONS AND CERTIFICATIONS

- 6.01 Bidder's Representations
 - A. In submitting this Bid, Bidder represents the following:
 - 1. Bidder has examined and carefully studied the Bidding Documents, including Addenda.
 - 2. Bidder has visited the Site, conducted a thorough visual examination of the Site and adjacent areas, and become familiar with the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
 - 3. Bidder is familiar with all Laws and Regulations that may affect cost, progress, and performance of the Work.
 - 4. Bidder has carefully studied the reports of explorations and tests of subsurface conditions at or adjacent to the Site and the drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, with respect to the Technical Data in such reports and drawings.
 - 5. Bidder has carefully studied the reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, with respect to Technical Data in such reports and drawings.
 - 6. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and the Technical Data identified in the Supplementary Conditions or by definition, with respect to the effect of such information, observations, and Technical Data on (a) the cost, progress, and

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184031686

Name of Bidder

- performance of the Work; (b) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, if selected as Contractor; and (c) Bidder's (Contractor's) safety precautions and programs.
- 7. Based on the information and observations referred to in the preceding paragraph, Bidder agrees that no further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract.
- 8. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
- 9. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and of discrepancies between Site conditions and the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.
- 10. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.
- 11. The submission of this Bid constitutes an incontrovertible representation by Bidder that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.

6.02 Bidder's Certifications

- A. The Bidder certifies the following:
 - 1. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation.
 - 2. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid.
 - 3. Bidder has not solicited or induced any individual or entity to refrain from bidding.
 - 4. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 8.02.A:
 - a. Corrupt practice means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process.
 - b. Fraudulent practice means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition.
 - c. Collusive practice means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels.
 - d. Coercive practice means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

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BIDDER hereby submits this Bid as set forth above:

Bidder's Contractor License No.: (if applicable)

Bidder: K	.G. Walters Construction Co., Inc.
By:	(typed or printed name of organization)
Name:	(individual's signature) Walt Johnson
Title:	(typed or printed) President
Date:	(typed or printed) 6/26/23
If Bidder is	(typed or printed) a corporation, a partnership, or a joint venture, attach evidence of authority to sign.
Attest:	Tuma Verneso
Name:	(individual's signature) Peggy Reynoso
Title:	(typed or printed) Secretary
Date:	(typed or printed)
	(typed or printed) or giving notices:
7144163316	P.O. Box 4359
	Santa Rosa, CA 95402
Bidder's C	ontact: Walt Johnson
Title:	(typed or printed) President
Phone:	(typed or printed) 707-527-9968
Email:	waltjohnson@kgwalters.com
Address:	195 Concourse Blvd. Suite A
8.5	Santa Rosa, CA 95403

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301314 AB, expires 6/30/25

DIR 1000000664 expires 6/30/25

NON COLLUSION AFFIDAVIT TO BE EXECUTED BY BIDDER AND SUBMITTED WITH BID

(Public Contract Code Section 7106)

State of California County of Sonoma Walt Johnson says that he or she is President the party making the foregoing bid, that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that 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 that anyone shall refrain from bidding; that 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, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and further that 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, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.
By WW
Subscribed and sworn to before me on
(date)
See attached
(Notary Public)
(SEAL)

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California	
County of Sonoma	
	Subscribed and sworn to (or affirmed) before me on
	this 26th day of June , 20 23, by Date Month Year
SUZETTE RANSOM Notary Public - California	(1) Walt Johnson
Sonoma County Commission # 2435356 My Comm. Expires Jan 29, 2027	(and (2)) Name(s) of Signer(s)
	proved to me on the basis of satisfactory evidence to be the person(s) who appeared before me.
Place Notary Seal and/or Stamp Above	Signature of Notary Public
OP	TIONAL ————————————————————————————————————
	deter alteration of the document or form to an unintended document.
Description of Attached Document	
Title or Type of Document:Non Collusion	Affidavit
	Number of Pages:
Signer(s) Other Than Named Above:	

BID BOND

Bidder	Surety			
Name: K.G. Walters Construction Co., Inc.	Name: Hartford Fire Insurance Company			
Address (principal place of business):	Address (principal place of business):			
195 Concourse Ave., #A Santa Rosa, CA 95403	One Hartford Plaza Hartford, CT 06155 - 0001			
Owner	Bid			
Name: Kirkwood Meadows Public Utility District Address (principal place of business): 33540 Loop Road Kirkwood, CA 95646	Project (name and location): KMPUD Wastewater Treatment Plant Improvements Project			
	Bid Due Date: June 29, 2023			
Bond Penal Sum: Ten Percent of Total Bid Amount Submitted				
Date of Bond: June 16, 2023				
Surety and Bidder, intending to be legally bound here do each cause this Bid Bond to be duly executed by a	eby, subject to the terms set forth in this Bid Bond, in authorized officer, agent, or representative.			
Bidder	Surety			
K.G. Walters Construction Co., Inc. Hartford Fire Insurance Company				
By: (Full formal name of Bidder) (Signature)	(Fulliformal name of Surety) (corporate seal) By: (Signature) (Attach Power of Attorney)			
Name: Walt Johnson	Name: Natalie K. Trofimoff (Printed or typed)			
Title: Aresident.	Title: Attorney-in-Fact Witness			
Attest: Leggy Regnoso	Atterest: (Rudie La (Signature)			
Name: Peagy Revnoso	Name: Andre' Perenishko (Printed or typed)			
(Printed br typed)	Title: Witness			
Title: Witness Notes: (1) Note: Addresses are to be used for giving any required notice. (2) Provide execution by any additional parties, such a				
joint venturers, if necessary.	a notice. (2) 110 rde encouron by any distribution parties, said			

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- Bidder and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to pay to Owner upon default of Bidder the penal sum set forth on the face of this Bond. Payment of the penal sum is the extent of Bidder's and Surety's liability. Recovery of such penal sum under the terms of this Bond will be Owner's sole and exclusive remedy upon default of Bidder.
- 2. Default of Bidder occurs upon the failure of Bidder to deliver within the time required by the Bidding Documents (or any extension thereof agreed to in writing by Owner) the executed Agreement required by the Bidding Documents and any performance and payment bonds required by the Bidding Documents.
- 3. This obligation will be null and void if:
 - 3.1. Owner accepts Bidder's Bid and Bidder delivers within the time required by the Bidding Documents (or any extension thereof agreed to in writing by Owner) the executed Agreement required by the Bidding Documents and any performance and payment bonds required by the Bidding Documents, or
 - 3.2. All Bids are rejected by Owner, or
 - 3.3. Owner fails to issue a Notice of Award to Bidder within the time specified in the Bidding Documents (or any extension thereof agreed to in writing by Bidder and, if applicable, consented to by Surety when required by Paragraph 5 hereof).
- 4. Payment under this Bond will be due and payable upon default of Bidder and within 30 calendar days after receipt by Bidder and Surety of written notice of default from Owner, which notice will be given with reasonable promptness, identifying this Bond and the Project and including a statement of the amount due.
- 5. Surety waives notice of any and all defenses based on or arising out of any time extension to issue Notice of Award agreed to in writing by Owner and Bidder, provided that the total time for issuing Notice of Award including extensions does not in the aggregate exceed 120 days from the Bid due date without Surety's written consent.
- 6. No suit or action will be commenced under this Bond prior to 30 calendar days after the notice of default required in Paragraph 4 above is received by Bidder and Surety, and in no case later than one year after the Bid due date.
- 7. Any suit or action under this Bond will be commenced only in a court of competent jurisdiction located in the state in which the Project is located.
- 8. Notices required hereunder must be in writing and sent to Bidder and Surety at their respective addresses shown on the face of this Bond. Such notices may be sent by personal delivery, commercial courier, or by United States Postal Service registered or certified mail, return receipt requested, postage pre-paid, and will be deemed to be effective upon receipt by the party concerned.
- 9. Surety shall cause to be attached to this Bond a current and effective Power of Attorney evidencing the authority of the officer, agent, or representative who executed this Bond on behalf of Surety to execute, seal, and deliver such Bond and bind the Surety thereby.
- 10. This Bond is intended to conform to all applicable statutory requirements. Any applicable requirement of any applicable statute that has been omitted from this Bond will be deemed to be included herein as if set forth at length. If any provision of this Bond conflicts with any applicable statute, then the provision of said statute governs and the remainder of this Bond that is not in conflict therewith continues in full force and effect.
- 11. The term "Bid" as used herein includes a Bid, offer, or proposal as applicable.

CALIFORNIA ACKNOWLEDGMENT

			ifies only the identity of the in s, accuracy, or validity of that	ndividual who signed the document document.
State of Ca		}	Suzette Ranso	om, Notary Public
On	Date	before me,		and Title of the Officer
norconolly		Walt Johnsor		The Thie of the Officer
personally	appeared		Name(s) of Signer(s)	
to the withi authorized	n instrument and ackn	owledged to me that by his/her/their sign	it he/she/they executed a ature(s) on the instrume	rhose name(s) is/are subscribed the same in his/her/their nt the person(s), or the entity
KNAA	SUZETTE RANSO Notary Public - Calif Sonoma County Commission # 243 My Comm. Expires Jan	ornia k 5356 r	-	
Plac	ce Notary Seal and/or S	tamp Above	0 -	nature of Notary Public
	Completing the		IONAL deter alteration of the a	document or
			form to an unintended (
	tion of Attached Doc Type of Document:			
1			N	Number of Pages:
Signer(s)	Other Than Named A	Above:		
Signer's □ Corpo □ Partne □ Individ □ Truste □ Other:		neral orney in Fact rdian or Conservator	☐ Corporate Officer - ☐ Partner - ☐ Limite ☐ Individual ☐ Trustee ☐ Other:	ed 🗆 General

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy or validity of that document.

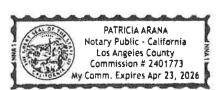
State of California)	
) ss	
County of Los Angeles)	
2 - 1/2		2.7.21

On ______, before me, <u>Patricia Arana, Notary Public</u>, personally appeared <u>Natalie K. Trofimoff</u>, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

(Seal)



Signature:

Patricia Arana, Notary Public

POWER OF ATTORNE

Direct Inquiries/Claims to: THE HARTFORD **BOND, T-11** One Hartford Plaza Hartford, Connecticut 06155 Bond.Claims@thehartford.com call: 888-266-3488 or fax: 860-757-5835

KNOW ALL PERSONS BY THESE PRESENTS THAT:

Х

X

Agency Name: ALLIANT INSURANCE SERVICES INC Agency Code: 72-256704 Hartford Fire Insurance Company, a corporation duly organized under the laws of the State of Connecticut Hartford Casualty Insurance Company, a corporation duly organized under the laws of the State of Indiana Hartford Accident and Indemnity Company, a corporation duly organized under the laws of the State of Connecticut Hartford Underwriters Insurance Company, a corporation duly organized under the laws of the State of Connecticut Twin City Fire Insurance Company, a corporation duly organized under the laws of the State of Indiana Hartford Insurance Company of Illinois, a corporation duly organized under the laws of the State of Illinois Hartford Insurance Company of the Midwest, a corporation duly organized under the laws of the State of Indiana Hartford insurance Company of the Southeast, a corporation duly organized under the laws of the State of Florida having their home office in Hartford, Connecticut, (hereinafter collectively referred to as the "Companies") do hereby make, constitute and appoint,

up to the amount of Unlimited :

Jessica Rosser of Dallas TX, E. S. Albrecht Jr., Patricia S. Arana, Virginia R Bradshaw, C.K. Nakamura, Maria Pena, Noemi Quiroz, Lisa L. Thornton, Tim M. Tomko, Natalie K. Trofimoff of LOS ANGELES, California

their true and lawful Attomey(s)-in-Fact, each in their separate capacity if more than one is named above, to sign its name as surety(ies) only as delineated above by [3], and to execute, seal and acknowledge any and all bonds, undertakings, contracts and other written instruments in the nature thereof, on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

In Witness Whereof, and as authorized by a Resolution of the Board of Directors of the Companies on May 23, 2016 the Companies have caused these presents to be signed by its Assistant Vice President and its corporate seals to be hereto affixed, duly attested by its Assistant Secretary. Further, pursuant to Resolution of the Board of Directors of the Companies, the Companies hereby unambiguously affirm that they are and will be bound by any mechanically applied signatures applied to this Power of Attorney.

















Shelby Wiggins, Assistant Secretary

Joelle L. LaPierre, Assistant Vice President

STATE OF FLORIDA

COUNTY OF SEMINOLE

Lake Mary

On this 20th day of May, 2021, before me personally carne Joelle LaPierre, to me known, who being by me duly swom, did depose and say: that (s)he resides in Seminole County, State of Florida; that (s)he is the Assistant Vice President of the Companies, the corporations described in and which executed the above instrument; that (s)he knows the seals of the said corporations; that the seals affixed to the said instrument are such corporate seals; that they were so affixed by authority of the Boards of Directors of said corporations and that (s)he signed his/her name thereto by like authority.



Jessica Ciccone My Commission HH 122280 Expires June 20, 2025

I, the undersigned, Assistant Vice President of the Companies, DO HEREBY CERTIFY that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which is still in full force effective as of

Signed and sealed in Lake Mary, Florida.

















LIST OF SUBCONTRACTORS

In accordance with Chapter 2 (commencing with Section 4100), Division 5, Title 1 of the Government Code of the State of California (Subletting and Subcontracting Fair Practices Act), list on the form provided: (a) the name and location of the place of business of each subcontractor who will perform work or labor, or render service to the general contractor in or about the construction of the work or improvement, or a subcontractor licensed by the State of California, who, under subcontract to the general contractor specially fabricates and installs a portion of the work of improvement according to detailed drawings contained in the plans and specifications, in an amount in excess of one-half of one percent (0.5%) of the general contractor's total bid; and (b) that portion of the work which will be done by each such subcontractor for each such portion as defined by the Contractor in his bid. Additionally, include information of the qualified system supplier and integrator, as defined by Section 00453.

If a Contractor fails to specify a Subcontractor for any portion of the work to be performed under this contract in excess of one-half of one percent (0.5%) of the total bid, he agrees to perform that portion himself.

The Bidder's attention is directed to the provisions found in Section 00200 – Instructions to Bidders, which stipulates the percent of the Work to be performed by the Contractor.

Work to be Performed	Contractor License Number	Percent of Total Contract	Subcontractor's Name and Address	DIR#
1. Drywall / Acoustic Ceiling	985004	1%	Legacy Specialties Minden, NV	1000010585
2. Electrical	410103	20%	San Juguin Electric Stockton, c4	1000002857
3. Deilling	476668	1%	Viking Drillers Granite Bay, CA.	1000002722
4. Pre-Engineered	773026	3%	LGM Construction Jackson, CA	[000000250
5. Painting "Coating	296517	2%	Techno Coatings Anaheim, CA	100000584/
6. Reban	778010	0.5%	CMC Commercial Metals Las Vegas, NV	1000000298

Name of Bidder: K.G. Walters Construction Co., Inc.

Work to be Performed	Contractor License Number	Percent of Total Contract	Subcontractor's Name and Address	DIR#
7. HVAC	821827	0.75%	James Long Construction Services - Sac., CA	1000000065
8. Paring	792014	0.5%	S. Lake Tahoe, CA U.S. Tank & Medianical Sense	1000049509
9. Stainless Steel Tank	1065245	13%	U.S. Tank & Medianical Service La Palma, CA	1000584359
10.				
11.				
12,				

Add additional sheets, if necessary.

BIDDER

(Signature)

6/26/23

(Date)

END OF SECTION

LIST OF EQUIPMENT MANUFACTURERS

Bidder shall list the manufacturer or supplier that will furnish the respective item of equipment. Bidder shall list only one manufacturer or supplier for each piece of equipment listed. Failure by Bidder to list names of manufacturers or suppliers for every item of equipment listed may be cause for rejection of the Bid. The manufacturers or suppliers listed by the Bidder shall not be changed after submitting list unless approved in writing by the Owner.

1.1 LUMP SUM BASE BID

- A. The Bidder shall base the Lump Sum Base Bid upon the specified and named Alternate A, B, C, or D major equipment items as listed in the following Major Product or System Schedule.
- B. Award of the contract will be made as described in the specification Section 00200 Instructions to Bidders.

1.2 MAJOR PRODUCT OR SYSTEMS SCHEDULE

- A. This section includes a schedule listing alternate equipment acceptable to Owner. The Bidder shall indicate (circle proposed manufacturer) which named alternate equipment it intends to provide. Bidders may also propose "or-equal" equipment for those items where a blank space is provided by writing in the manufacturer's name.
- B. If an "or equal" manufacturer is proposed by the Bidder, the cost of any required engineering redesign, and the cost of any electrical, mechanical or structural modifications to adjacent and interfacing equipment necessary to make the several parts fit together, licensing fees and additional construction and other costs resulting from the proposed "or equal" equipment shall be included in the Bid. If there is a deviation from the drawings, submittal of new contract drawings requires approval prior to installation; all drawings must be stamped by a California certified professional engineer. These deviations shall be at no cost to the owner. If the proposed "or-equal" manufacturer is not accepted by the Owner after the Award of Contract, the Bidder shall furnish and install the named equipment at no additional cost to the Owner.
- C. When an "or-equal" manufacturer is offered by Bidder, the Bidder shall list only such equipment that will comply with the requirements of the Specifications. Equipment will generally be deemed "or equal" provided that the equipment is the same or better than the named equipment in function, performance, reliability, quality, and general configuration.

D. In order that Owner may determine if the proposed "or equal" equipment is a satisfactory alternative to the named equipment, Bidder shall submit full descriptive material and a detailed list of the equipment proposed as outlined in the Instructions to Bidder. No evaluation of submittals will be made prior to the Bid opening. It is the responsibility of Contractor to furnish materials and equipment meeting the requirements of the Specifications, and acceptance of the Bid does not constitute or imply approval of equipment proposed. Owner reserves the right to deny approval of any equipment or materials that do not comply with the Specifications, even though listed herein.

MAJOR PRODUCT OR SYSTEMS SCHEDULE

Item No.	Spec. Section	Description	Manufacturer/Supplier
l.	11258	Peristaltic Tubing Pumps	A. Watson Marlow B C
2,,	11302	Submersible Pumps	B
3.	11312	Self Priming Pumps	A. Gorman Rupp B C
4.	11332	Drum Screen	A. Huber B C
5.	11373	Blowers	A. Aerzen B C
6.	11425	Dewatering System	A. PW Tech B C
7.*.	13500	SST Tank	A. ISCO B. HACH C. Tarsco
8.	15134	Pneumatic Operators	A. Bray B C
9.	13126	Pre-Engineered Metal Canopy	A. Butler Manufacturing Co. B. Varco Pruden C

Notes:

Not all major products and systems are included in the table above; only those items related to mechanical equipment. Other products, such as concrete, steel and piping are not included.

2. Items in this table must be circled or completed for the bid.

(Signature)
6/26/23
(Date)

END OF SECTION

Name of Bidder: K.G. Walters Construction

SECTION 00440

COMPLIANCE STATEMENT

SDA Form RD 400-6 (Rev. 2-98)

This statement relates to a proposed contract with Kirkwood Meadows Public Utility District

(Name of borrower or grantee)

who expects to finance the contract with assistance from either the Rural Housing Service (RHS), Rural Business-Cooperative Service (RBS), or the Rural Utilities Service (RUS) or their successor agencies, United States Department of Agriculture (whether by a loan, grant, loan insurance, guarantee, or other form of financial assistance). I am the undersigned bidder or prospective contractor. I represent that:

- 1. I [X] have, [] have not, participated in a previous contract or subcontract subject to Executive Order 11246 (regarding equal employment opportunity) or a preceding similar Executive Order.
- 2. If I have participated in such a contract or subcontract, I [X] have, [] have not, filed all compliance reports that I have been required to file in connection with the contract or subcontract.

If the proposed contract is for \$50,000 or more and I have 50 or more employees, I also represent that:

- 3. I [] have, [] have not, previously had contracts subject to the written affirmative action program requirements of the Secretary of Labor.
- 4. If I have participated in such a contract or subcontract, I [] have, [] have not, developed and placed on file at each establishment affirmative action programs as required by the rules and regulations of the Secretary of Labor.

I understand that if I have failed to file any compliance reports that have been required or me, I am not eligible and will not be eligible to have my bid considered or to enter into the proposed contract unless and until I make an arrangement regarding such reports that is satisfactory to either the RHS, RBS, or RUS, or to the office where the reports are required to be filed.

I also certify that I do not maintain or provide for my employees any segregated facilities at any of my establishments, and that I do not permit my employees to perform their services at any location, under my control, where segregated facilities are maintained. I certify further that I will not maintain or provide for my employees any segregated facilities at any of my establishments, and that I will not permit my employees to perform their services at any location, under my control, where segregated facilities are maintained. I agree that a breach of this certification is a violation of the Equal Opportunity clause in my contract. As used in this certification, the term "segregated facilities" means any waiting rooms, work areas, rest rooms and wash rooms, restaurants and other eating areas, time clocks, locker rooms and other

Name of Bidder: K.G. Walters Construction Co., Inc.

storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation and housing facilities provided for employees which are segregated by explicit directive or are in fact segregated on the basis of race, creed, color, or national origin, because of habit, local custom, or otherwise. I further agree that (except where I have obtained identical certifications from proposed subcontractors prior to the award of subcontracts exceeding \$10,000 which are not exempt from the provisions of the Equal Opportunity clause; that I will retain such certifications in my files; and that I will forward the following notice to such proposed subcontractors (except where the proposed subcontractors have submitted identical certifications for specific time periods): (See Reverse).

RD 400-6 (Rev. 2-98)

Name of Bidder: K.G. Walters Construction Co., Inc.

NOTICE TO PROSPECTIVE SUBCONTRACTORS OF REQUIREMENTS FOR CERTIFICATIONS OF NON-SEGREGATED FACILITIES

A certification of Nonsegregated Facilities, as required by the May 9, 1967, order (32F.R. 7439, May 19, 1967) on Elimination of Segregated Facilities, by the Secretary of Labor, must be submitted prior to the award of a subcontract exceeding \$10,000 which is not exempt from the provisions of the Equal Opportunity Clause. The certification may be submitted either for each subcontract or for all subcontracts during a period (i.e., quarterly, semiannually, or annually).

NOTE: The penalty for making false statements in offers is prescribed in 18 U.S.C. 1001.

Date: 6/26/23

Signature of Bidder or Prospective Contractor

195 Concourse Blvd Suite A Santa Rosa, CA 95403

Address (including Zip Code)

END OF SECTION

CERTIFICATION REGARDING DEBARMENT

U.S. DEPARTMENT OF AGRICULTURE

Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – Lower Tier Covered Transactions.

This certification is required by the regulations implementing Executive Order 12549, Debarment and Suspension, 7 CFR Part 3017.510, Participants' responsibilities. The regulations were published as Part IV of the January 30, 1989, Federal Register (pages 4722-4733). Copies of the regulations may be obtained by contacting the Department of Agriculture agency with which this transaction originated.

(BEFORE COMPLETING CERTIFICATION, READ INSTRUCTIONS ON REVERSE)

- 1. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
- 2. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

K.G. Walters Construction Co., Inc.	KMPUD Wastewater Treatment Plant	Improvements
Organization Name	PR/Award Number or Project Name	
Walt Johnson, President		
Name(s) and Title(s) of Authorized Rep	resentative(s)	
<i>3</i>		
11/11/	6/26/23	
Signature(s)	Date	
	Form AD-10	048 (1/92)

Instructions for Certification

- 1. By signing and submitting this form, the prospective lower tier participant is providing the certification set out on the reverse side in accordance with these instructions.
- 2. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.
- 3. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
- The terms "covered transaction," "debarred," "suspended," "ineligible," "lower tier covered transaction," "participant," "person," "primary covered transaction," "principal," "proposal," and "voluntarily excluded," as used in this clause, have the meanings set out in the Definitions and Coverage sections of rules implementing Executive Order 12549. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations.
- 5. The prospective lower tier participant agrees by submitting this form that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.
- 6. The prospective lower tier participant further agrees by submitting this form that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion Lower Tier Covered Transactions," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.
- A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principles. Each participant may, but is not required to, check the Nonprocurement List.
- 8. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
- 9. Except for transactions authorized under paragraph 5 of these instructions, if a participant in a covered transaction knowingly entered into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

Form AD-1048 (1/92)

KMPUD WWTP Improvements

184031686

END OF SECTION

CERTIFICATION OF BIDDER'S EXPERIENCE AND QUALIFICATIONS

This certification and the responses herein shall assist the Owner in determining the lowest responsive responsible bidder. The undersigned Bidder represents that it is competent, knowledgeable and has the special skills on the nature, extent and inherent conditions of the work to be performed on this project. Bidder further acknowledges that these inherent conditions existent in the construction of particular facilities may create, during construction, unusual or unsafe conditions hazardous to persons and property. Bidder expressly acknowledges that it is aware of such risks and that it has the skill and experience to foresee and to adopt protective measures to adequately and safely perform the construction work with respect to such hazards. Bidder must submit this certification to the Owner within the timeframe identified in the Bid Form, Specification Section 00410.

None of the requirements herein are to determine pre-qualification to bid on the Project, but are part of the Owner's evaluation of bids received.

A. ESSENTIAL REQUIREMENTS FOR QUALIFICATION

If the answer to any of questions 1 through 5 is "no", or if the answer to any of questions 6 through 9 is "yes", the Bidder shall provide an explanation of its answer, including the reasons why its answer shall not result in it being disqualified from being awarded the Contract. However, an exemption explanation letter does not guarantee acceptance of Bid. In accordance with all applicable public contract laws, the Owner shall retain the right to reject unqualified Bidders, which shall render the Bid non-responsive

1.	Bidder possesses a valid and current California Contractor's license for the project for which it intends to submit a bid.
	X Yes No
2.	Bidder will comply with and provide all insurance as defined in Section 00700 Standard General Conditions and Section 00800 Supplementary Conditions.
	∑ Yes ☐ No
3.	Bidder has current Workers' Compensation insurance policy as required by the Labor Code or is legally self-insured pursuant to Labor Code section 3700 et. seq.
	X Yes No

4.	Contractor's three year average Workers' Compensation Insurance Experience Modification Rate (EMR) is less than or equal to 1.10 (110%) or is the RIR and LTIR less than 3.0 and 1.3 respectively. See Safety Qualification Criteria below for EMR, RIR, and LTIR rate calculation.
	ĭ Yes □ No
5.	Bidder is registered with the Department of Industrial Relations pursuant to Labor Code Section 1725.5.
	X Yes No
6.	Has your contractor's license been revoked at any time in the last five (5) years?
	Yes No
7	Has a surety firm completed a contract on your behalf, or paid for completion because your firm was default terminated by the project owner within the last five (5) years?
	Yes X No
8.	At the time of submitting this qualification form, is your firm ineligible to bid on or be awarded a public works contract, or perform as a subcontractor on a public works contract, pursuant to either Labor Code section 1777.1 or Labor Code section 1777.7?
	Yes No
9.	At any time during the last five (5) years, has your firm, or any of its owners or officers been convicted of a crime involving the awarding of a contract of a government construction project, or the bidding or performance of a government contract?
	☐ Yes No
	PANY EXPERIENCE - To be submitted within the timeframe identified in the Bid , Specification Section 00410.
1.	The Bidder has been engaged in the contracting business, under the present business name for <u>49</u> years and has experience in work of a nature similar to this project which extends over a period of <u>49</u> years (Bidder must show at least five (5) years of related experience).
	The Bidder, as a Contractor, has never failed to satisfactorily complete a contract awarded to him, except as follows:
	N/A

B.

- 2. The Bidder should list at least \$18 Million in construction volume on no more than five (5) projects successfully completed within the last five (5) years, of which the Bidder should include at least one successfully completed similar in nature project with a final contract amount greater than \$6 Million. Projects will be considered similar in nature if they are one of the following types of projects:
 - a) Water Treatment Plants where the electrical, mechanical and instrumentation systems were part of the Contractor's contract; or
 - b) Wastewater Treatment Plants where the electrical, mechanical and instrumentation systems were part of the Contractor's contract.
 - c) Any projects found on Bidder's Completed Projects list which are not as defined above may not be considered by the Owner in meeting this prerequisite experience requirement. For example, pump stations and/or pipeline projects and/or reservoir projects are not considered a treatment plant.
- 3. Bidder also certifies that Bidder self-performed at least fifty percent (50%) of the Work on each of the projects listed below. The Owner considers this level of past self-performance demonstrates a benefit to a Project in terms of better control of cost, schedule and safety.

If the Bidder fails to have the required experience as set forth in sections B.1, B.2, or B.3, the Bidder shall provide an explanation as to why its Bid should not be rejected. However, an exemption explanation letter does not guarantee acceptance of Bid. In accordance with all applicable public contract laws, the Owner shall retain the right to reject unqualified Bidders, which shall render the Bid non-responsive. The Bidder can include project(s) currently under construction, but only the total amount paid by the Owner(s) as of July 2021 on uncompleted project(s) can be included in this summation of construction volume. The Bidder is allowed to list up to a maximum of five projects of the types listed above, that combined should add up to at least \$18 Million in successfully completed volume of work. Any projects listed below, which are not as defined above, may not be considered by the Owner in meeting this project experience requirement.

If the Bidder is a Joint Venture of two or more companies, each participant in the Joint Venture should meet this prior project experience requirement and provide project information for each Joint Venture participant in the format found below.

Bidders are to complete this form and not attach their own form to the Bid Form.

1.	Project Name: Reno Stead WRF 4	MGD Expansion	
	Owner: City of Reno		
	Construction Cost: \$ 54,751,000		
	Construction Time: 820	Calendar Days	
	Owner's Representative: Joe Cou	udriet	
	Owner's Representative Telephone No.:	coudrietj@reno.gov	
	Engineer or On-Site Construction Manager	Stantec-Beth Cohen	
	Engineer or On-Site CM's Telephone No.	beth.cohen@stantec.com	
	Date of Substantial Completion:	11/4/2022	
2.	Project Name: Fallon Naval Air Stat	ion WWTP	
	Owner: NAVFAC Southwest-Sa	ın Diego	
	Construction Cost: \$ 14,109,919		
	Construction Time: 735	Calendar Days	
	Owner's Representative: Christine Roundy		
	Owner's Representative Telephone No.:	christine.roundy@navy.mil 775-426-2806	
	Engineer or On-Site Construction Manager	Jacobs-Nolan Randall	
	Engineer or On-Site CM's Telephone No.	530-243-5831	
	Date of Substantial Completion:	9/30/2020	
3.	Project Name: DCLTSA Treatment		
	Owner: Douglas County Lake	Tahoe Sewer Authority	
	Construction Cost: \$ \$7,100,000		
	Construction Time: 550	Calendar Days	
	Owner's Representative: Rob Ho	opkins	
	Owner's Representative Telephone No.:	rhopkins@dcsid.com 775-588-3558	
	Engineer or On-Site Construction Manager	HDR-Craig Olson	
	Engineer or On-Site CM's Telephone No.	craig.olson@hdrinc.com	
	Date of Substantial Completion:	1/11/2022	

4.	Project Name:			
	Owner:			
	Construction Cost:	\$		
	Construction Time:		C	alendar Days
	Owner's Representa	ative:		
	Owner's Representa	ative Telephone No.:		
	Engineer or On-Site	Construction Manager		
	Engineer or On-Site	CM's Telephone No.		
	Date of Substantial	Completion:		
E	Drainat Namat			
5.	Project Name: Owner:			
	Construction Cost:			
	Construction Time:	Ψ ————————————————————————————————————	C	alendar Days
	Owner's Representa	ative:		
		ative Telephone No.:		
		Construction Manager		
	•	CM's Telephone No.		
	Date of Substantial			
		;		
	Total Construct	ion Volume of listed Pr	roject(s) above: \$_\$75,960,919	
			IENCE - To be submitted to the Owner within Form, Specification Section 00410.	n the
	submit pa completing contract and The demon (5) years. present on to have the	st related project expering at least one successful mount greater than \$6 library and the strated experience of This Project Manager in site full-time during Care required experience in the strategies of the st	e Project Manager who will be assigned to this rience of this person which should include sucully completed similar in nature project with a Million where this person held the role of Prothe Project Manager should have been within must be assigned to the Project site and be perconstruction. Failure of the Contractor's Project and render the Bid non-responsive and shall be will be considered similar in nature if they are B.2, above.	cessfully a final ject Manager, the last five ersonally ect Manager be the basis
	Name of l	Project Manager:Tro	oy Mason	

	List three related projects as defi position of Project Manager. Or \$6 Million.	ined above where the individual named above held the ne of the projects should have a contract value of at least
1.	Project Name: DCLTSA Treatment	Plant Upgrades
	Owner: Douglas County Lake T	ahoe Sewer Authority
	Construction Cost: \$ \$7,100,000	
	Construction Time: 550	Calendar Days
	Owner's Representative: Rob Ho	pkins
	Owner's Representative Telephone No.:	rhopkins@dcsid.com 775-588-3558
	Engineer or On-Site Construction Manager	HDR-Craig Olson
	Engineer or On-Site CM's Telephone No.	craig.olson@hdrinc.com
	Date of Substantial Completion:	1/11/2022
2.	Project Name: Carson City Water R	esource Recovery Facility Phase 1A
	Owner: Carson City Purchasin	
	Construction Cost: \$ 29,991,581	
	Construction Time: 26 months	Calendar Days
	Owner's Representative: Jim Mor	ris
	Owner's Representative Telephone No.:	jmorris@rock-solid-solutions.com
	Engineer or On-Site Construction Manager	Carollo Engineers-Kevin Love
	Engineer or On-Site CM's Telephone No.	775-324-4427
	Date of Substantial Completion:	2/1/2018

Number of Years of Total Construction experience as a Project Manager assigned to the types of projects as defined above: __15___years

Number of Years as a Project Manager for your Company: 15 years

Project Name: Carson City Water Resource Recovery Facility FY18 Carson City Purchasing & Contracts Owner: \$ 7,785,162 Construction Cost: Calendar Days 540 Construction Time: Owner's Representative: Darren Schulz 775-283-7391 Owner's Representative Telephone No.: dschulz@carson.org Keller Associates-Larry Rupp Engineer or On-Site Construction Manager Engineer or On-Site CM's Telephone No. 208-288-1892 11/1/2019 Date of Substantial Completion:

This form is to be fully completed and submitted by the Bidder with the bid. Bidder is not allowed to provide a substitute form of similar information.

The Owner will check project references listed to verify information provided along with skills and capacity represented by Bidder. It is very important that the Bidder verify that all contact information is current for each name listed above.

If the Bidder fails to meet both the Company and Project Manager experience, the Bidder shall provide an explanation of the reasons why its Bid should not be rejected. However, an exemption explanation letter does not guarantee acceptance of Bid. In accordance with all applicable public contract laws, the Owner shall retain the right to reject unqualified Bidders, which shall render the Bid non-responsive.

D. SAFETY QUALIFICATION INFORMATION

The following information will be used to determine if the general contractor meets the minimum safety requirements for this project. The contractor should have a safety record that meets or exceeds the one of the three following safety criteria:

SAFETY CRITERIA REQUIREMENTS FOR QUALIFICATION

- 1. If the Contractors three-year average Workers' Compensation Experience Modification (EMR) is equal to or less than 110%, the contractor meets the minimum safety requirements for this project;
- 2. If the Contractor's three-year average EMR is greater than 110%, the Contractor's three-year average Recordable Incident Rate (RIR) must not be greater than 3.0 and three-year average Lost Time Incident Rate (LTIR) must not be greater than 1.3 to meet the minimum safety requirements for this project;

3. If the Contractor only meets either the three-year average RIR or LTIR value, the Contractor shall be required to hire, at no additional cost to the Owner, a mutually acceptable safety consultant who will prepare a project specific safety plan, conduct random weekly inspections of the Contractor's activities to ensure conformance with the safety plan and prepare and submit a weekly report to the Owner summarizing the results of each inspection. The contractor's shall adhere to the safety plan. The contractor's activities shall be adjusted immediately to address any issues resulting from the weekly safety inspection.

Contractors that cannot meet any of the three safety criteria above are not eligible to work for the Owner.

The Contractor shall list its Experience Modification Rate, Lost time incident Rate, and Recordable Incident Rate for the last three complete years (available from your insurance carrier).

RIR	LTIR
0	0
7.65	0
9.92	0
5.86	0
	5.86

Are the above rates interstate or in	trastate? Intrastate	
If intrastate, which state?	NV	
Is your firm Self-Insured for Work		California?
If YES, Self-Insurance No.	and attach certification to	o Bid.

To verify the above information, the Owner will contact the Bidder's subcontractor's Workers' Compensation Insurance carrier. The Bidder shall authorize its carrier to release this information. Failure to release this information may result in the bid being non-responsive and result in automatic disqualification of the bid.

Workers' Compensation Insurance Company:
Contact Person for Insurance Company:
Telephone Number:

Traveler's
Dick Svec
408-352-6706

If the Bidder is a Joint Venture of two or more companies, each participant in the Joint Venture should meet this minimum safety requirement and provide project information for each Joint Venture participant in the format found above.

The undersigned hereby states that all representations regarding the Bidder's Company Experience, Project Manager Experience and Safety Qualification Information are correct and true.

Signed this	26th	day of June	, 20_23
K.G. Walt	ters Constr	uction Co., Inc.	
Bidder's Na	me		
WAN			6/26/23
Authorized S	Signature		Date
President	t		
Title of Sign	atory		

SECTION 00457

CONTRACTOR'S CERTIFICATE REGARDING WORKERS' COMPENSATION

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.

SECTION 00460

CERTIFICATION FOR CONTRACTS, GRANTS, AND LOANS

RD Instruction 1940-Q Exhibit A-1

The undersigned certifies, to the best of his or her knowledge and belief, that:

- 1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant or Federal loan, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant or loan.
- 2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant or loan, the undersigned shall complete and submit Standard From LLL, "Disclosure of Lobbying Activities," in accordance with its instructions.
- The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including contracts, subcontracts, and subgrants under grants and loans) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

11/1/	6/26/23	
(Name) Walt Johnson	(Date)	
President		
(Title)	_	

(08-21-91) PN 171

Name of Bidder: K.G. Walters Construction Co., Inc.

SECTION 00461

IRAN CONTRACTING ACT CERTIFICATION

Pursuant to Public Contract Code (PCC) section 2204, the following Iran Contracting Act certification is required if your bid totals \$1,000,000 or more.

If your bid totals \$1,000,000 or more, you must complete only one of the following two paragraphs. To complete paragraph 1, check the corresponding box and complete the certification. To complete paragraph 2, simply check the corresponding box.

We are not on the current list of persons engaged in investment activities in Iran created by the **X**1. California Department of General Services (DGS) pursuant to PCC 2203(b), and we are not a financial institution extending twenty million dollars (\$20,000,000) or more in credit to another person, for 45 days or more, if that other person will use the credit to provide goods or services in the energy sector in Iran and is identified on the current list of persons engaged in investment activities in Iran created by DGS.

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:

6/26/23	(date),	
atSanta Rosa	(city),CA	(state).
WIT	(signature)	
Walt Johnson	(printed name)	
	OR	
☐2. We have received write	tten permission from the Agency to submit a bid p	oursuant to PCC 2203(c)

or (d). A copy of the written permission from the Agency is included with our bid.

END OF SECTION

RESOLUTION TO AUTHORIZE OFFICERS TO SIGN AND EXECUTE

BIDS, PROPOSALS AND CONTRACTS

RESOLVED, that Walt Johnson and Dave Backman are hereby authorized to sign and execute

bids, proposals and contracts on behalf of K.G. Walters Construction Co., Inc.

The undersigned hereby certifies that she is the duly elected and qualified Secretary and

the custodian of the books and records and seal of K.G. Walters Construction Co., Inc., a

corporation duly formed pursuant to the laws of the State of California and that the foregoing

is a true record of a resolution duly adopted at a meeting of the Board of Directors and

that said meeting was held in accordance with state law and the Bylaws of the above

named Corporation on September 10, 2020, and that said resolution is now in full force and

effect without modification or rescission.

IN WITNESS WHEREOF, I have executed my name as Secretary and have hereunto

affixed the corporate seal of the above named Corporation this 10th day of September 2020.

Peggy Reynoso, Secretary

Horne

Search

Forms

ileip

Business Search

The California Business Search provides access to available information for corporations, limited liability companies and limited partnerships of record with the California Secretary of State, with free PDF copies of over 17 million imaged business entity documents, including the most recent imaged Statements of Information filed for Corporations and Limited Liability Companies.

Currently, information for Limited Liability Partnerships (e.g. law firms, architecture firms, engineering firms, public accountancy firms, and land survey firms), General Partnerships, and other entity types are **not contained** in the California Business Search. If you wish to obtain information about LLPs and GPs, submit a Business Entities Order paper form to request copies of filings for these entity types. Note: This search is not intended to serve as a name reservation search. To reserve an entity name, select Forms on the left panel and select Entity Name Reservation? Corporation, LLC, LP.

Basic Search

A Basic search can be performed using an entity name or entity number. When conducting a search by an entity number, where applicable, remove "C" from the entity number. Note, a basic search will search only ACTIVE entities (Corporations, Limited Liability Companies, Limited Partnerships, Cooperatives, Name Reservations, Foreign Name Reservations, **Unincorporated Common Interest** Developments, and Out of State Associations). The basic search performs a contains ?keyword? search. The Advanced search allows for a ?starts with? filter. To search entities that have a status other than active or to refine search criteria, use the Advanced search feature.

Advanced Search

An Advanced search is required when searching for publicly traded disclosure information or a status other than

Skip to main content State

K. G. WALTERS CONSTRUCTION CO., INC. (723605)



Request

A CONTROL OF THE PARTY OF THE P	
Initial Filing Date	10/04/1974
Status	Active
Standing - SOS	Good
Standing - FTB	Good
Standing - Agent	Good
Standing - VCFCF	Good
Formed In	CALIFORNIA
Entity Type	Stock Corporation - CA - General
Principal Address	195 CONCOURSE BLVD SUITE A SANTA ROSA, CA 95403
Mailing Address	P.O. BOX 4359 SANTA ROSA,CA95402
Statement of Info Due Date	10/31/2023
Agent	Individual WALTER JOHNSON 10275 LOCH HAVEN DRIVE SANTA ROSA, CA 95404



View History



Request Access

SECTION 00453

CERTIFICATION OF SYSTEM INTEGRATOR EXPERIENCE AND QUALIFICATIONS

This certification and the responses herein shall assist the Owner in determining the lowest responsive responsible bidder. To be eligible for an award of Contract, the Bidder must submit to the Owner this signed Certification from the General Contractor's or Electrical Subcontractor's System Integrator of all switchboards, panels, ATSs, MCCs, panelboards, panelboard transformers, and PLC hardware; submit certification within the timeframe identified in the Bid Form, Specification Section 00410.

The System Integrator represents that it is competent, knowledgeable, and has special skills on the nature, extent, and inherent conditions of the work to be performed. The System Integrator further acknowledges that he has regularly engaged in similar electrical and instrumentation systems for the municipal water and wastewater industry.

None of the requirements herein are to determine pre-qualification to bid on the Project, but are part of the Owner's evaluation of bids received.

A. ESSENTIAL REQUIREMENTS FOR QUALIFICATION

If the answer to any of questions I through 3 is "no", or if the answer to questions 4 is "yes", the Bidder shall provide an explanation of its answer, including the reasons why its answer shall not result in it being disqualified from being awarded the Contract. However, an exemption explanation letter does not guarantee acceptance of Bid. In accordance with all applicable public contract laws, the Owner shall retain the right to reject unqualified Bidders, which shall render the Bid non-responsive.

1	The System Integrator employs personnel on this project who have successfully completed ISA or equal training courses on general-purpose instrumentation. Yes No
2.	The System Integrator has a permanent, fully staffed, and equipped service facility in operation at least six (6) months prior to bid date within 200 miles of project site. Service facility shall be under same company name as System Integrator and same company shall be staffed with personnel and equipment required to maintain, repair and calibrate the instrumentation system. Subletting repair and warranty work to a third party is not acceptable. Yes \[\int \text{No} \]
3.	System Integrator has current Workers' Compensation insurance policy as required by the Labor Code or is legally self-insured pursuant to Labor Code section 3700 et.

seq.

			X Yes	☐ No	
	4.			ed a contract on your behalf, or paid for fault terminated by the project owner with	
			Ycs	⊠ No	
В.		JECT EXPERIEN		e submitted within the timeframe identific	ed in the Bid Form,
	force greate integri integri project waste	main projects wi er complexity in t rator's experience rator must demon cts with a dollar v	th electricathe last five and qualicatrate the syalue of at twe 65% of	performed at least three (3) wastewater al, instrumentation and automation system (5) years of similar size that demonstration to construct this project; of which successful completion of at least two (2) least 65% of the value bid for this project the equivalent cost per construction year	ems of similar or ate the system ch, the system wastewater ct or two (2)
	shall pexplan public render	provide an explant nation letter does not contract laws, the rethe Bid non-resp	ation as to not guarant e Owner sh consive.	we the required experience as set forth about the rejected. However, why its Bid should not be rejected. However, the acceptance of Bid. In accordance with nall retain the right to reject unqualified Bid acceptance and not attach their own form	ever, an exemption n all applicable idders, which shall
1. Project	Name:	Reno Stead	WRF 4M	/IGD expansion	
Owner:	C	ity of Reno	12 14	ret i st inter el	
System	Supply	Contract Bid Pr	ice:	\$1.5M	
Constru	iction T	ime: Appr	ox 2.5 ye		Calendar Days
Owner'	s Repre	esentative: F	Robert Zo	oncki	_
Owner'	s Telep		75-326-6	THE PERSON NAMED OF THE PE	
Electric	al Subc	contractor's Name		Nelson Electric	()
Date of	Substa	ntial Completion		May 2023	
			,		•
2. Project?	Name:	South Truck	ee Mead	dows expansion Bioreactor 3-4	
Owner:		Washoe Coul	nty Comr	munity Services	
System	Supply	Contract Bid Price	ce: (\$235K	
Construe	ction Ti	ime: 18 i	months		Calendar Days
					

	Owner's Representative:	unknown	
	Owner's Telephone No.:	775-326-6663	
	Electrical Subcontractor's Name	: San Joaquin Electric	
	Date of Substantial Completion	June 2023	
	TA K	****	W 9
3.	Project Name: Fallon Nav	al Air Station P-393 Wastewater Plant	
	Owner: Naval Facilit	es Engineering Command Southwest	
	System Supply Contract Bid Price	e: \$450K	
	Construction Time: 2.3	(ears	Calendar Days
	Owner's Representative:	Robert Seaver	
	Owner's Telephone No.:	775-426-2921	
	Electrical Subcontractor's Name	San Joaquin Electric	
-	Date of Substantial Completion:	August 2020	
	skills and capacity represe responsible to verify that	oject references listed to verify information providented by System Integrator. It is very important the all contact information is current for each name list the qualifications and experience required by this ication.	at the Bidder is sted above and that
	The undersigned hereby s	tates that all above representations are correct and	true.
	Signed this 22nd	day ofJune, 20_23_	
	George T. Hall Co.		
	System Integrator's Name	1	212
	My D	er	. XXX IX X 15 XXX = X
	Authorized Signature	TOTAL	
	VP System Integral	ion	
	Title of Signator		

SECTION 00452

CERTIFICATION OF ELECTRICAL SUBCONTRACTOR'S EXPERIENCE AND QUALIFICATIONS

This certification and the responses herein shall assist the Owner in determining the lowest responsive responsible bidder. To be eligible for an award of Contract, the Bidder must submit this signed certification from the Electrical Subcontractor listed on Section 00434 – List of Subcontractors within the timeframe identified in the Bid Form, Specification Section 00410. If the Bidder does not list an Electrical Subcontractor for the electrical work, then Bidder must submit to the Owner with bidding documents this signed Certification of Bidder's experience and qualifications to self-perform the electrical work with the understanding that all references to Electrical Subcontractor in this certification shall mean Contractor.

The electrical subcontractor represents that it is competent, knowledgeable, and has special skills on the nature, extent, and inherent conditions of the work to be performed. The electrical subcontractor further acknowledges that there are certain peculiar and inherent conditions existent in the construction of the particular facilities which may create, during the construction program, unusual or peculiar unsafe conditions hazardous to persons and property. The electrical subcontractor expressly acknowledges that it is aware of such peculiar risks and that it has the skill and experience to foresee and to adopt protective measures to adequately and safely perform the construction work with respect to such hazards.

None of the requirements herein are to determine pre-qualification to bid on the Project, but are part of the Owner's evaluation of bids received.

A. ESSENTIAL REQUIREMENTS FOR QUALIFICATION

If the answer to any of questions 1 through 4 is "no", or if the answer to any of questions 5 through 8 is "yes", the Bidder shall provide an explanation of its answer, including the reasons why its answer shall not result in it being disqualified from being awarded the Contract. However, an exemption explanation letter does not guarantee acceptance of Bid. In accordance with all applicable public contract laws, the Owner shall retain the right to reject unqualified Bidders, which shall render the Bid non-responsive.

l.	Subcontractor will comply with and provide Commercial General Liability and
	Automobile insurance as defined in Section 00700 Standard General Conditions and
	Section 00800-Supplementary Conditions, except the amount of coverage per
	occurrence or accident shall not be less than \$1,000,000 with an annual general
	aggregate limit of \$2,000,000.
	✓ Yes □ No

2.	Subcontractor has current Workers' Compensation insurance policy as required by the Labor Code or is legally self-insured pursuant to Labor Code section 3700 et. seq
	✓ Yes □ No
3.	Does your firm meet the requirements of California Code of Regulations, Title 8, Section §290.1. All journeymen shall hold a California general electrician certification?
	✓ Yes □ No
4.	Subcontractor's three year average Workers' Compensation Insurance Experience Modification Rate (EMR) is less than or equal to 1.10 (110%) or is the RIR and LTIR less than 2.2 and 1.2 respectively. See Safety Qualification Criteria below for EMR, RIR, and LTIR rate calculation.
	Yes No
5.	Has your contractor's license been revoked at any time in the last five (5) years? \[\sum \text{Yes} \sum \text{No} \text{No} \]
6.	Has a surety firm completed a contract on your behalf, or paid for completion because your firm was default terminated by the project owner within the last five (5) years?
	☐ Yes No
7.	At the time of submitting this qualification form, is your firm ineligible to bid on or be awarded a public works contract, or perform as a subcontractor on a public works contract, pursuant to either Labor Code section 1777.1 or Labor Code section 1777.7?
	☐ Yes ☑ No
8.	At any time during the last five (5) years, has your firm, or any of its owners or officers been convicted of a crime involving the awarding of a contract of a government construction project, or the bidding or performance of a government contract?
	☐ Yes ☑ No
PROJ Form	ECT EXPERIENCE - To be to the Owner within the timeframe identified in the Bid, Specification Section 00410.
(5) ye qualif the su	lectrical subcontractor shall have performed at least three (3) wastewater or water nent plant projects with electrical systems of similar or greater complexity in the last five ears of similar size that demonstrate the electrical subcontractor's experience and ication to construct this project; of which, the electrical subcontractor must demonstrate coessful completion of at least two (2) wastewater projects each with a dollar value of at 55% of the value bid for this project or two (2) wastewater projects each with 65% of the

If the Electrical Subcontractor fails to have the required experience as set forth above, the Bidder shall provide an explanation as to why its Bid should not be rejected. However, an

B.

equivalent cost per construction year [of this project] within the past five years.

exemption explanation letter does not guarantee acceptance of Bid. In accordance with all applicable public contract laws, the Owner shall retain the right to reject unqualified Bidders, which shall render the Bid non-responsive.

Bidders are to complete this certification form and not attach their own form to this document with similar information.

1.	Project Name: Sacramento Regional Sanitation District Nitrifying Sidestream Treatment (NST)		
	Owner: Sacramento Regional County Sanitation District		
	Electrical Subcontract Cost: \$10,675,178.00		
	Construction Time: 1,095	Calendar Days	
	Owner's Representative: Dane Coyle		
	Owner's Telephone No.: 707-301-0908		
	Date of Substantial Completion May 2020		
2.	Project Name: Sacramento Regional WWTP Biological Nutrient Removal (BNR)		
	Owner: 3585 Dwight Road, Elk Grove, CA 95758		
	Electrical Subcontract Cost: \$65,299,055.00		
	Construction Time: 1,460	Calendar Days	
	Owner's Representative: Mark Hammer	-	
	Owner's Telephone No.: 916-799-0845		
	Date of Substantial Completion November 2021		
3.	Project Name: Sacramento Regional Wastewater Treatment Plant Flow Equalizat	ion Project (FEQ)	
	Owner: Sacramento Regional Wastewater Treatment Plant		
	Electrical Subcontract Cost: \$7,869,657.00		
	Construction Time: 1,000	Calendar Days	
	Owner's Representative: Rigoberto Guizar		
	Owner's Telephone No.: 916-576-6051		
	Date of Substantial Completion December 2022		

Project Name:			
Owner:			
Electrical Subcontract Cost:			
Construction Time:	Calendar Days		
Owner's Representative:			
Owner's Telephone No.:			
Date of Substantial Completion			
Project Name:			
Owner:			
Electrical Subcontract Cost:			
Construction Time:	Calendar Days		
Owner's Representative:			
Owner's Telephone No.:			
Date of Substantial Completion			

C. SAFETY QUALIFICATION CRITERIA

The following information will be used to determine if the electrical subcontractor meets the minimum safety requirements for this project. To qualify to bid and be awarded the project, the contractor shall have a safety record that meets or exceeds the one of the three following safety criteria:

SAFETY CRITERIA REQUIREMENTS FOR QUALIFICATION

- If the Contractors three-year average Workers' Compensation Experience Modification (EMR) is equal to or less than 110%, the contractor meets the minimum safety requirements for this project;
- 2. If the Contractor's three-year average EMR is greater than 110%, the Contractor's three-year average Recordable Incident Rate (RIR) must not be greater than 2.2 and three-year average Lost Time Incident Rate (LTIR) must not be greater than 1.2 to meet the minimum safety requirements for this project;

3. If the Contractor only meets either the three-year average RIR or LTIR value, the Contractor shall be required to hire, at no additional cost to the Owner, a mutually acceptable safety consultant who will prepare a project specific safety plan, conduct random weekly inspections of the Contractor's activities to ensure conformance with the safety plan and prepare and submit a weekly report to the Owner summarizing the results of each inspection. The contractor's shall adhere to the safety plan. The contractor's activities shall be adjusted immediately to address any issues resulting from the weekly safety inspection.

Contractors that cannot meet any of the three safety criteria above are not eligible to work for the Owner.

The electrical subcontractor shall list its Experience Modification Rate, Lost time incident Rate, and Recordable Incident Rate for the last three complete years (available from your insurance carrier).

	Year	EMR	RIR	LTIR
2020 1.04 0 0 Three Year	2022	0.89	1.78	0
Three Year	2021	1.01	0	0
Averno	2020	1.04	0	0
	Three Year Average	0.98	0.59	0

To verify the above information, the Owner will contact the electrical subcontractor's Workers' Compensation Insurance carrier. The electrical subcontractor shall authorize its carrier to release this information. Failure to release this information will result in the bid being non-responsive and result in automatic disqualification of the bid.

Workers' Compensation Insurance Company:	Insurance Co of the West
Contact Person for Insurance Company:	Lori Unger
Telephone Number:	209-478-1400

The Owner may check project references listed to verify information provided along with skills and capacity represented by Subcontractor. It is very important that the Bidder is responsible to verify that all contact information is current for each name listed above and that the Subcontractor has the qualifications and experience required by this certification prior to submission of the certification. The undersigned hereby states that all above representations are correct and true.

Signed this 26 +h day of	JUNE	, 20_23
San Joaquin Electric, Inc.		
Electrical Subcontractor's Name		
Wash Johsen		
Authorized Signature		
Vice President		
Title of Signator		
410103 Valid CA Contractors License No.		
C10		
License Classification		
8/31/2023		
Expiration Date		

SECTION 00453

CERTIFICATION OF SYSTEM INTEGRATOR EXPERIENCE AND QUALIFICATIONS

This certification and the responses herein shall assist the Owner in determining the lowest responsive responsible bidder. To be eligible for an award of Contract, the Bidder must submit to the Owner this signed Certification from the General Contractor's or Electrical Subcontractor's System Integrator of all switchboards, panels, ATSs, MCCs, panelboards, panelboard transformers, and PLC hardware; submit certification within the timeframe identified in the Bid Form, Specification Section 00410.

The System Integrator represents that it is competent, knowledgeable, and has special skills on the nature, extent, and inherent conditions of the work to be performed. The System Integrator further acknowledges that he has regularly engaged in similar electrical and instrumentation systems for the municipal water and wastewater industry.

None of the requirements herein are to determine pre-qualification to bid on the Project, but are part of the Owner's evaluation of bids received.

A. ESSENTIAL REQUIREMENTS FOR QUALIFICATION

If the answer to any of questions 1 through 3 is "no", or if the answer to questions 4 is "yes", the Bidder shall provide an explanation of its answer, including the reasons why its answer shall not result in it being disqualified from being awarded the Contract. However, an exemption explanation letter does not guarantee acceptance of Bid. In accordance with all applicable public contract laws, the Owner shall retain the right to reject unqualified Bidders, which shall render the Bid non-responsive.

	I
1,	The System Integrator employs personnel on this project who have successfully completed ISA or equal training courses on general-purpose instrumentation. X Yes No
2.	The System Integrator has a permanent, fully staffed, and equipped service facility in operation at least six (6) months prior to bid date within 200 miles of project site. Service facility shall be under same company name as System Integrator and same company shall be staffed with personnel and equipment required to maintain, repair and calibrate the instrumentation system. Subletting repair and warranty work to a third party is not acceptable.
	∑Yes □ No
3,	System Integrator has current Workers' Compensation insurance policy as required by the Labor Code or is legally self-insured pursuant to Labor Code section 3700 et. seq.

				X Yes	□ No			
		4.	Has a surety firm because your firm years?	m complete rm was def	ed a contrac fault termina	t on your behalf, o	r paid for comp owner within th	letion ne last five (5)
			-	☐ Ycs	⊠ No			
	B.	PROJ Speci	ECT EXPERIEN	NCE - To b 00410.	e submitted	within the timefran	ne identified in t	he Bid Form,
		greate integrintegrintegrintegrintegring projectivaste within	main projects we er complexity in rator's experience rator must demon ets with a dollar water projects ha in the past five ye	ith electricathe last five and quali- estrate the savalue of at ave 65% of ars.	al, instrume e (5) years of iffication to a successful of least 65% of f the equiva	at least three (3) we notation and autom of similar size that construct this project completion of at least the value bid for lent cost per construct three constructs.	ation systems of demonstrate the ect; of which, the ast two (2) waste this project or to ruction year of t	f similar or e system e system ewater two (2) his project
		shall perplain public render	provide an explant nation letter does contract laws, the r the Bid non-resp	nation as to not guaran ae Owner sl ponsive. e this certif	why its Bid tee acceptar hall retain th	red experience as a should not be reject on Bid. In according to right to reject under and not attach the	eted. However, and ance with all ance with all and ance with all and ance with all ance with a limited Bidders	an exemption pplicable s, which shall
1.	Project				MGD ava	ngion		
1,	Owner:		City of Reno	7 VVIXI -71	AIOD expe	113011		
					<u> </u>			
			y Contract Bid P.	_	\$1.5M		· · · · · · · · · · · · · · · · · · ·	
	Constru			гох 2.5 у			C	alendar Days
		s Representative: Robert Zoncki						
		_	-	775-326-6				
			contractor's Nan		Nelson E	lectric		
	Date of	Substa	intial Completion	n	May 202	3		
2,	Project	Name:	South Truc	kee Mea	dows exp	ansion Bioreac	tor 3-4	
	Owner:		Washoe Cou	unty Com	munity S	ervices		
	System	Supply	Contract Bid Pr	rice:	\$235K			

Construction Time:

\$235K

18 months

Calendar Days

	Owner's Representative:	unknown					
	Owner's Telephone No.:	775-326-6663					
	Electrical Subcontractor's Na	me: San Joaquin Electric					
	Date of Substantial Completion	n <u>June 2023</u>					
3.	Project Name: Fallon N	aval Air Station P-393 Wastewater Plar	nt				
	Owner: Naval Fac	lities Engineering Command Southwes	 st				
	System Supply Contract Bid I						
	Construction Time: 2.	3 Years	Calendar Days				
	Owner's Representative:	Robert Seaver					
	Owner's Telephone No.:	775-426-2921					
	Electrical Subcontractor's Na	me: San Joaquin Electric					
	Date of Substantial Completic	n: August 2020					
	skills and capacity rep responsible to verify the	project references listed to verify information presented by System Integrator. It is very important all contact information is current for each narnas the qualifications and experience required by ortification.	ant that the Bidder is				
	The undersigned hereb	y states that all above representations are correc	t and true.				
	Signed this 22nd	day of June , 20 23	<u> </u>				
	George T. Hall 0	o.					
	System Integrator's N	me					
	Authorized Signature	Authorized Signature					
	-	ration					
	VP System Integ	rauon					
	Title of Signator						

Kirkwood Meadows Public Utility District

Electric System Master Plan and Assessment including the impact of Electric Vehicle car charging in Kirkwood.

By

Cross Canyon Engineering
215 N. Linden St., Suite B, Cortez, Co. 81321

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Appendix A KMPUD In Valley Electric System Map - Current System

Appendix B KMPUD In Valley Electric System Field Investigation Notes

Appendix C KMPUD In Valley Electric System Feeder map

Appendix D KMPUD In Valley Electric System Map - Level 4 EV Car

Charging Locations

Appendix E KMPUD In Valley Electric System Map - System Improvements

Appendix F Powerhouse One-Line Diagram

Appendix G KMPUD Electrical System One-Line Diagram

Appendix H Recommended 10-Year Capital Plan

Introduction

This Electric System Master Plan was prepared by Cross Canyon Engineering (CCE) for the Kirkwood Meadows Public Utility District (the District). The District currently provides electric service to 635 domestic and 127 commercial electric customers in Kirkwood California.

CCE staff has significant experience working with the District and is very familiar with all aspects of the District's electric system. CCE staff (working with a previous consulting company) prepared the following reports for the District:

- Report of System Assessment For Electric System Assets In Support of RUS Loan Application CA 47 "A8" Alpine
- 2012-2013 Construction Work Plan
- Report of Remaining Useful Life For Electric System Assets In Support of RUS Loan Application CA 47
- Report of Valuation of Electric System Assets In Support of RUS Loan Application CA 47 "A8" Alpine "A8" Alpine

Kirkwood California is located in the Sierra Nevada Mountains approximately 60 miles east of Jackson and 35 miles southwest of South Lake Tahoe. The community of Kirkwood, consisting of residences and commercial entities as well as the Kirkwood Mountain Ski Resort, owned by Vail Resorts (Vail) currently receives electric power and energy from the District's Out Valley power system as well as backup electric power from diesel powered generators that are owned and operated by the District at the District's powerhouse in Kirkwood.

The District has requested this Master Plan to create an orderly plan for ongoing capital improvements needed to provide adequate and reliable electric service to its customers and to projected electric load growth. As the sole electric utility in the Kirkwood area, the District will be making annual capital improvements for the long term in order to maintain service to existing and new consumers.

The District began providing electrical service on July 22, 2011 as a result of acquiring the existing propane gas and electric systems of Mountain Utilities, which was owned and operated as a subsidiary by KMR at the time (Mountain Utilities). The District's electric distribution system is primarily those assets acquired from Mountain Utilities.

In 2012, the District completed construction of the new 5-megawatt Powerhouse housing eight generators. The District provided electrical service to its customers from the powerhouse while the Out Valley project was constructed.

In November 2014, the District completed the Out Valley Project connecting the Kirkwood Valley to a Pacific Gas & Electric (PG&E) substation located at Salt Springs Reservoir. The District entered into an interconnection agreement with PG&E that covers the new interconnection. The District is a member of the California Independent System Operator Corporation (Cal ISO), who balance electric supply and demand for 80 percent of California's transmission grid power. The District purchases power off of the day-ahead market through an independent energy supplier based on load forecasts provided by the District, with actual usage monitored by Cal ISO.

Since the commencement of electric service through the Out Valley project, the Powerhouse has served as a backup in case of any interruption of the Out Valley project.

Electric System Description

Refer to Appendix G for a one-line diagram of the District's overall electrical system.

In Valley

The District's distribution system within Kirkwood (referred to as In Valley) encompasses a compact service area that is 2.5 miles by .75 miles. This electrical system at an elevation of 7,800 feet, operates at a 12.47 kV voltage level, and is entirely an underground distribution system. This system is a four-wire system with an effectively grounded neutral. The four-wire system simplifies the type of distribution transformers needed as well as the ability to economically serve single-phase loads.

The powerhouse includes a duct bank system with three 12.47 kV underground feeders which connect the powerhouse switchgear to the existing main feeder vaults in the vicinity of the old MU powerhouse. These vaults are the terminus of the three distribution feeders which serve the entire the District service area. The switchgear provides three feeder breakers; one for each District feeder. Each of the three feeders has normally open connection points to at least one of the other feeders. Refer to Appendix C for a map of the three separate feeders. The three feeders are:

- 1. Residential Feeder
- 2. Commercial Feeder
- 3. Lifts Feeder

The ski area owner (Vail) currently owns three sections of underground cables connected to the District's In Valley system. A single-phase section crosses Highway 88 and serves the Kirkwood Inn area. A three-phase cable section fed from the Residential feeder extends east to the Caples Lake dam and a water pumping service. A three-phase connection off the Lifts feeder (referred to as the Backside) extends for a couple of miles south and east to serve multiple Vail chairlifts and other ancillary loads.

Out Valley

The Out Valley project consists of a number of sections including 1.2 miles of overhead 115kV transmission line from the PG&E substation at Salt Springs Reservoir to the District's KM Green substation. PG&E now operates and maintains this 1.2-mile 115kV line. The District's KM Green substation converts the system voltage from 115kV to the District's subtransmission voltage level of 34.5kV. Out Valley also includes 1.9 miles of overhead 34.5kV subtransmission line from the KM Green substation to the Bear River Reservoir. This overhead line is constructed with a 4/0ACSR primary conductor. At the end of the overhead 34.5kV line is the start of 25.69 miles of underground 34.5kV subtransmission line which ends in Kirkwood. The underground line is constructed with power cables configured with 345 mil of XLPE insulation around a 500mcm aluminum primary conductor, with a concentric neutral.

The Out Valley project also includes the KM Blue substation, located at the District's powerhouse, which converts the electrical power from the 34.5kV subtransmission level to the District's distribution operating voltage of 12.47kV. The KM Blue transformer includes a Load Tap Changer (LTC) which

automatically adjusts the output 12.47kV voltage up or down by 10% to stay within operating standards. The KM Blue substation includes the interconnection from the substation to the District's 12.47kV switchgear at the powerhouse (described above).

The Out Valley system includes a 2.0MVAR reactor located at the KM Blue substation in the powerhouse. The 25 miles of underground 34.5kV line has a significant level of capacitance. Electrical capacitance in underground transmission and distribution systems is a factor affecting any utility with significant underground powerlines. When the Out Valley system was energized in 2014, the peak load at Kirkwood was between 2.5MW to 3.0MW and was not enough to offset the significant capacitance inherent in the underground system. The 2.0MVAR reactor at KM Blue offsets that capacitance, which maintains the 34.5kV operating voltage within the underground cable's design tolerance. This report will discuss the impacts of future load growth and provide recommendations on the use of the KM Blue reactor.

The Out Valley system was envisioned to have a capacity of up to 10MW of peak load at Kirkwood. The KM Green and KM Blue substation transformers are rated at 10.4MVA (at 65 degree C) capacity. CCE evaluated the ampacity of both the overhead conductor and the underground cable on the 34.5kV subtransmission system and confirmed adequate capacity for both types of conductors to reliably carry up to 10MW of peak load. Assessing the overall capacity of the Out Valley system is included in this report.

Powerhouse

The District's powerhouse includes 5 MW (nameplate rating at elevation) of diesel fired combustible engine generation. The main components of the powerhouse include:

- Powerhouse property, and powerhouse structure.
- One (1) double-walled diesel fuel tank (30,000 gallons)
- Three (3) CAT 980 kW Prime Rated Engine Generators
- Five (5) Volvo 430 kW Prime Rated Engine Generators
- Engine Cooling Systems
- Exhaust System in Conjunction with Emission Controls
- Lubricating Oil and Antifreeze
- Four (4) 2500 kVA Generator Step-Up transformers (GSU)
- Battery banks, Rack and Battery Charger
- Paralleling Switchgear- Rated 27 kV, 2000A continuous, 16 kA AIC, digital multi-function protective relays, and metering.

The Out Valley power feeds into this switchgear and the three In Valley feeders feed out of it. The powerhouse includes generator controls and synchronization functions so that the powerhouse can be set to come on automatically in the event of a loss of Out Valley. In that case, when Out Valley power is restored, the control system will synchronize the generators to the Out Valley, parallel the Out Valley briefly to the generators, and then shut down the generators automatically.

The switch back to Out Valley power is done seamlessly without power interruptions to the District's customers. This switching includes a short-time parallel between the powerhouse generators and Out Valley. Such short-term parallel conditions meet PG&E interconnection requirements.

Currently, the District's use of the five Volvo engine-generators is problematic. Issues in operating the Volvos include:

- 1. Failure of generators on startup due to fuel pressure issues.
- 2. Failure of generators on startup during cold ambient temperatures.
- 3. Failure of generators to sync with the Out Valley line and/or online CAT generators.
- 4. Inability to maintain exhaust temperature required to meet permit requirements.
- 5. Lack of trained mechanics certified for Volvo generators.
- 6. Difficulty obtaining spare parts.

The powerhouse capacity is rated at 5.0MW. Considering the problematic operation of the five Volvo generators, the current capacity of the powerhouse should be considered to no greater than 2.9MW.

Scope of Electric System Master Plan and Assessment

The scope work to create this Electric System Master Plan and Assessment report includes the following components:

Phase 1: Field Investigations

CCE planned for one week of field investigations in Kirkwood. No field investigations were planned for the Out Valley system as the District has accurate drawings of that entire project. The plan was to coordinate with the District staff, open padmounted equipment, and do secondary line locates. The goals for the 2022 field investigations included:

- Determine which specific meters are served by specific transformers.
- Update maps for field-located service lines between transformers and meters.
- Determine which service lines are direct buried. In some cases, this could not be determined by opening the transformer.
- Determine which primary cables were direct buried (if possible).

Phase 2: Data Analysis and Utility System Modeling

CCE is to update the existing Milsoft WindMil model. This model was created in 2011 at the time of the Mountain Utilities acquisition. It was used for the Construction Work Plan that was prepared in support of the District's Rural Utilities Service (RUS) loan application. In addition, a model of the Out Valley system is to be added to the system model.

Using the updated model, CCE applied load growth scenarios to assess the capability of the District electric system to handle such growth. Historical electrical demand data was used as the starting point for these growth scenarios.

CCE identified electric system components that will require upgrades in order to meet the projected growth.

Phase 3: Development of Electric System Master Plan

Based upon the systems modeling and the field investigations, CCE developed a Master Plan for a twenty-year planning period. This plan identifies needed capital improvements and proposes a schedule for such improvements within this report. Utility systems improvement alternatives and prioritization were developed with input from District staff.

Field Investigations – Findings

CCE utilized the existing electric system maps as well as data available from District staff for CCE's planned field investigations. Based on data already available, the field investigations were limited to confirming each transformer (location and capacity), documenting which meters are served by specific transformers, and attempting to document all direct buried electric service lines. Field investigations took place the week of August 22nd, 2022.

In some cases, it was not possible to ascertain if a service was direct buried by what could be seen at the transformer. Appendix B of this report provides the maps with investigation notes for the District's electric system in Kirkwood.

System Modeling

The existing electric system model is developed in Milsoft WindMil engineering analysis software. WindMil is an engineering analysis software primarily developed for analysis of electric distribution systems. CCE maintains its own WindMil license. The model was created in 2011 and was based on limited system knowledge (at that time) since the District had only just taken over system operations.

In 2022, CCE met with the District staff and reviewed the model. The following summarizes updates to the 2011 model for use in this report:

- 1. CCE made a number of network connectivity changes to the model based on staff feedback.
- 2. Some transformers were added, updated, and deleted as per findings from the field investigations.
- 3. The calculated load of the Vail owned backside section of line was updated based on backside transformer capacities.
- 4. The proposed Palisades 6 development was added to the model. CCE has reviewed the electrical plans for this project which includes 21 new residences served by 7 transformers. This is based on the communications from the developer that the construction of the infrastructure is expected to occur in the next couple of years. This addition also provides a more conservative model by adding this load growth.
- 5. The Out Valley component of the model was adjusted based on known wire sizes and construction types.
- 6. The proposed District power delivery to the Caltrans Peddler Hill facility was added as it is expected that this new electrical service would occur within the next couple of years. This load was modeled as a 300kVA transformer connected to the 34.5kV Out Valley system. CCE is familiar with the capacity and location of the proposed peddler Hill service, having reviewed the new service for the District staff.
- 7. The snowmaking transformer located near the old powerhouse was added to the model. In that regard, the load at this point was allocated to be 1MW, since the load modeled on this feeder (Lift

Feeder) was derived from the feeder peak which included the snowmaking as well as some level of lift operations.

CCE then used recent peak loading data to bring the model up to current peak loads. Peak loading data for In Valley was obtained with the District staff's assistance by reading the real-time and peak values from the protective relays in the powerhouse switchgear. The base system model was updated to reflect known recent peaks on the three the District feeders. The three feeders and their associated model peaks are:

		Recorded Peak			1:00AM real- readings
Feeder Designation	Feeder Name	Peak (kW)	Peak Power Factor	Load at time data collection (kW)	Power Factor at time of data collection
MU-1	Commercial	1235	96.7%	607	99.0%
MU-2	Lifts	2294	79.1%	802	80.0%
MU-3	Residential	923	99.9%	340	99.0%

Table 1: In Valley Loading Data

The current loads were recorded on 01/31/23 at 11:00 AM. These values provide a snapshot of the loads on a typical weekday with the ski area operating.

Keep in mind that the three feeders rarely experience simultaneous peaks. As can be seen by summing the feeder peaks, they exceed the historic coincident electric peak for the District system which is 3.0MW (December 2018). This method of modeling is arranged to determine the worst case powerflows and voltage drops for each feeder.

The WindMil model was also used to assess powerflows and voltages for the Out Valley 34.5kV line. Now that the District has historic hourly peak load data from the CAISO meter at the KM Green substation, we now have accurate and timely peak data for the District system. In this regard, CCE modeled the current Out Valley peak value of 3.0MW. For the purpose of a long-range system assessment, CCE also modeled the Out Valley system with a hypothetical 10MW peak, which represents the peak demand allowed in the PG&E interconnection agreement.

Voltage drop calculation result tables are being provided to the District staff. These calculations were derived with the peak loading described above.

Growth Projections

CCE did not refer to a specific load growth projection in the assessment of the electrical power system. Instead, the analysis performed, and the recommendations provided herein provide an overall assessment of the peak load capabilities of the three system components (Out Valley, Powerhouse, and In Valley).

Growth for the District electric system could include:

- 1. Additional residential units There are currently undeveloped lots and undeveloped properties in which new residential units could be built.
- 2. Limitations of available propane from the District As of January 2025, the District will not accept additional propane customers. This will result in new residences and new commercial facilities being constructed as all electric units. Such facilities will have a higher electrical demand than gas heated facilities. Space heating will continue to be a major piece of energy consumption in Kirkwood (being a high elevation ski resort).
- 3. Commercial Expansion This could include hotel style accommodations as well as other commercial enterprises.
- 4. Ski area expansion additional or upgraded chair lifts, increased snowmaking operations, additional concession facilities.
- 5. Upgrades to ice melt systems CCE has reviewed plans for such upgrades for the District over the past few years.

The proportion of motor loads (for Kirkwood, this would typically be chairlifts and pumps for snowmaking) to residential and commercial loads can affect the overall District peak load power factor. CCE used the same historical power factors in projecting future new loads (refer to Table 1).

Historical System Data

Since the energization of the Out Valley project, the District has access to hourly load profile data which is recorded at the KM Green substation on the Cal ISO meter. The District's powerhouse does not have a metering configuration to allow for total system load profile recording while Kirkwood is served from generator power. The Cal ISO metering data is a good snapshot for the total load which includes In Valley loads plus all system losses. Figure 1 provides a graph of total District loads for the previous five years (2018 through 2022). It is interesting that although the District experienced an historic peak of 3.28MW back in 2018, recent peaks have been recorded at no higher than 2.6MW.

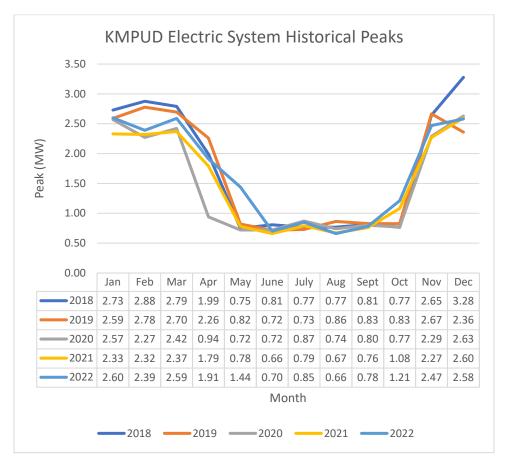


Figure 1- Historic Monthly Peaks

System Outages and Reliability

The District records outage data as required under California regulations. Loss of the Out Valley line are the most common source of outages for the District since it was first brought online. Since the startup of the Out Valley, only one Out Valley outage was caused by a fault on the District's 35kV line (tree blown down from high winds). All other Out Valley outages have been from a loss of the 115kV source power at KM Green. In the future, the District should maintain a backup for Out Valley outages. PG&E's operations will likely continue to be affected by fire danger and will likely result in Out Valley outages over the 20-year planning period.

With the entire In Valley system underground, the District will continue to experience similar high reliability of the In Valley distribution system. The newer 4/0 copper cables installed by Mountain Utilities between 2000 and 2008 are installed in conduit and can be expected to provide high reliability through the 20-year planning period. The District should prepare for occasional In Valley cable failures, which have occurred in the past. A 12.47kV cable failure will always result in one of the three feeder breakers tripping offline. In that case, the District should anticipate a feeder outage during the fault locating work before the faulted cable can be isolated and the feeder restored.

Assessment of Impacts of Potential EV Car Charging

In this report, CCE uses the acronym EV Car which refers to a plug-in electric vehicle (PEV). The intention of this assessment is to specifically analyze the electric utility burden of charging EV cars as they exist commercially today. These would include any road vehicle that can utilize the grid to store electrical energy within its onboard rechargeable batteries, and thereby power an electric motor for propulsion. CCE does not distinguish between a straight EV car versus a plug-in hybrid car except in assessing the power required for such charging. A hybrid car will typically include a smaller battery system which takes less energy and time to recharge.

In this section of the report CCE assesses the impacts of load growth that might occur due to the increased use of EV Cars and the subsequent need to charge EV Cars in Kirkwood. As such, this assessment focuses on the potential load growth and the impacts to the District electric system. Load growth is considered within this overall study (refer to Section ___). This section of the report analyzes growth specifically from EV Car charging, with other projected growth scenarios in the background.

This assessment is based on the current commercial availability of EV Cars and the associated charging equipment.

EV Car Charging Basics

Generally, in the U.S., there are three defined levels of EV Car Charging. These levels are described below. EV Car chargers include a variety of charging equipment within these three categories. However, these three distinct levels (primarily based on AC voltage required) will dictate how and where such charging equipment would be installed.

The duration of EV Car charging depends on the level of charger as well as on the charge level of an EV Car battery at the time it starts charging. The electric demand of EV Car charging will ramp down as the car charges, so peak charging demand will typically be immediately after charging commences.

EV Car manufacturers provide options for their EV Car products for all three levels. This report is not intended to provide specific specifications for EV Car charging equipment. Instead, we can assess the electric utility system impacts by modeling these three types of chargers.

Level 1 Charging: Level 1 charging uses a common 120-volt outlet. This type of charger will generally be no more than 1.5kW of power. Level 1 is the slowest way to charge an EV Car. By charging at a rate of between 3 and 5 miles of range per hour of charging, a homeowner would not be able to fully recharge an EV Car overnight. Level 1 charging works well for plug-in hybrid electric vehicles because they have smaller batteries, typically less than 25 kW.

Level 2 Charging: Level 2 charging uses a 208-Volt to 240-Volt outlet. This is the type of outlet you would need for a typical electric dryer or electric stove. Limited research indicates Level 2 charging is the most commonly used level for daily EV charging. Since most residences have either 240V service (typical home) or 208V service (more typical in a large multi-residential facility- including within Kirkwood), Level 2 charging equipment can be installed at a residence. Level 2 charging can replenish between 12 and 80 miles of range per hour, depending on the power output of the Level 2 charger, and the vehicle's maximum charge rate. CCE believe that most EV Car owners find that Level 2 charging better

suited their daily charging needs. Homeowners may need to modify their residential wiring to provide a Level 2 charger in the garage, but such a new circuit is available from a typical residential AC panel.

Our research shows that Level 2 equipment is typically a 240VAC plug using 30 amps and will have a peak electrical demand of 7.2 kW of power. However, there are Level 2 chargers available on the market today that can demand as much as 19kW of power.

For multi-residential Level 2 charging, the owner of the facility will face some significant electrical upgrades in order to accomplish any significant penetration of Level 2 charging in the parking garage. CCE is familiar with the process for upgrades as we have assisted the District with upgrades related to ice melt systems and other HVAC changes.

Level 3 Charging: Level 3 charging requires a 400-Volt to 900-Volt service. A typical 480V service from a U.S. utility would be a three-phase 480Vac service. Level 3 charging is currently the fastest type of charging available. A level 3 charger is a major investment for the owner. Level 3 charging stations are typically provided commercially, will require a significant utility service, and are designed to provide fast charging to multiple cars simultaneously. In the summer of 2020, CCE analyzed a potential Level 3 charger for the District based on a developer's inquiry. This charger was proposed to require a three-phase, 750kVA, 480VAC service and would include 8 charging stalls. The potential charging customer calculated up to 774kW of power from such an installation. Peak demand would occur when all 8 stalls were hooked up and the EV Car battery systems were significantly discharged.

Approach to modeling of EV Car Charging

Based on available EV Car charging options, CCE used the following methods to model the electrical demand of new EV Car charging in Kirkwood:

- 1. As discussed previously in the report, known projected new loads were added to the model.
- 2. Then loads on all three feeders were then increased 10% over existing peak loads. The 10% increase is CCE's method to model diversified EV Car charging loads coming on at or near peak load. Load duration curves provided in this report provide daily timelines for typical the District winter peaks. The load diversity assumption is based on CCE's expectation that much of the residential EV Car charging will occur at night. CCE does not anticipate that daytime Level 2 car charging will represent an EV Car charging peak. This 10% approach also attempts to replicate the installation of some Level 2 car charging in the multi-residential facilities in Kirkwood (typically on the Commercial feeder).
- 3. One 774kW Level 3 charger was modeled on both the Commercial and separately on the Lifts feeder. These proposed new loads were placed coincident with the feeder peak. This will provide a worst-case peak load and voltage drop assessment. Level 3 charging stations peak electrical demand will depend on how many EV Cars are being charged simultaneously, and the existing level of charge of each of these EV Car battery systems. This worst-case approach to modelling will cover a scenario in which a smaller (smaller than 774kW) EV Car charging station is considered. As described previously in this report, the Lifts feeder peak used in the modelling includes the snowmaking service located near the old powerhouse. Discussions with the District staff indicate that the snowmaking load is typically running in late fall and would not be coincident with winter month Lift feeder peaks (typically chairlift operation). Using this peak feeder value in this analysis provides a more conservative approach to modelling the feeder

conditions. CCE cannot predict if, in the future, there would be significant Level 3 charging coincident with snowmaking activities.

Once these load additions were made, voltage drop studies were run for all three feeders.

Assessment Results

As described in this report, the District In Valley distribution system provides excellent capacity for existing loads and future load growth due to the short line lengths, the 12.47kV operating voltage, and the existing distribution conductor sizes. This was confirmed in assessing the EV Car charging. Overall system capacity – Overall the District system peaks were not evaluated specifically for EV Car Charging. Overall system peaks are covered in this report and will include EV Car charging as well as other growth scenarios.

- Capacity of each feeder No individual line segment was at or near capacity.
- Capacity of distribution transformers as discussed previously in this report, this analysis of loads on individual distribution transformers was not completed. Spot checking of some transformer loads using the primary line loading values showed existing transformer loading to be less than 40% capacity. As mentioned previously, short term overload of these distribution transformers will not significantly affect them due to the winter ambient temperatures.

Worst case calculated voltage drop for the entire system was only 1.7V. With a 120VAC nominal source voltage at the powerhouse, delivery voltage at a customer meter would be approximately 118.3Vac which is much less than the 8% drop allowed in the District's service standards. Keep in mind that it would be easy for the District to raise the delivery voltage at the powerhouse with changes to the LTC controls at the Blue Substation transformer.

EV Car Charging Recommendations

CCE provides the following recommendations for EV Car charging.

Level 2 chargers:

For Level 2 chargers, it would be helpful if customers notify the District anytime load is added to a panel such as a charger being installed. For the typical 7.2kW Level 2 charger, the District should only need to document these installations. If a consumer intends to install a higher capacity Level 2 charger (up to 19kW), the District should review the analysis for the specific transformer. As described in this report, that would include a review of the metered data for all consumers on the same transformer and calculations of the estimated peak demand. Based on our findings, many the of District distribution transformers hold additional capacity, but it is prudent to check prior to the installation of such a charger. It is possible that the installation of a 19kW charger could require upgrading some transformers. If that is determined, the District would need to coordinate with the consumer for the timing of the upgrade. One alternative would be for the District to prohibit such a Level 2 charger at the specific location (unless a transformer replacement can be accomplished).

If Level 2 charging is proposed at multi-residential facilities, the owner will be in discussion with the District staff regarding the proposed upgrades. At that time, the overall electric service will need to be assessed. It is possible that such an upgrade may require replacement of the facility transformer.

If Level 2 chargers become more prevalent on the District system, CCE recommends outreach to the consumers. Such outreach would educate the consumers about the need to limit overall peak load (both the powerhouse and the Out Valley have limitations) and that using a timer for a Level 2 charger could benefit the District and its customers. Settings for the timers should be derived from the load duration curves included in this report as well as the monthly peak graphs.

Level 3 Chargers:

The deployment of Level 3 chargers will depend on the economic feasibility of such a service for any potential commercial enterprise investigating such an installation. Refer to Appendix D for the locations on both the Commercial and Lifts feeders that could handle a 774kW EV Car charging station. As the District is approached by potential Level 3 EV Car charging entities, CCE recommends the following process:

- 1. The map provided will clarify to the entity the areas that are viable for up to 774kW type stations.
- 2. Specific District requirements need to be clarified. While this assessment shows that the 774kW Level 3 charger can be reliably served at the specified locations, it does not assess the overall system impacts of the District peak demand, the availability of the powerhouse as a backup, and any Out Valley limitations. CCE cannot predict the sequence of load growth in Kirkwood and where Level 3 charging falls in that sequence. However, Level 3 car charging may be the kind of electric load that could utilize an interruptible load restriction. Interruptible load restrictions are less viable for some residential and commercial applications. One possible interruptible scenario for a level 3 car charging service would be during loss of Out Valley (operating on powerhouse only). Load interrupting schemes could possibly interrupt part of the Level 3 charging station if the station is electrically configured for such an operation. This would be the preferred option for the District and may make the interrupting system more amenable to a developer. CCE documented historic peak days and times. Such data could be used to determine load interruption windows.
- 3. As a location for such a service develops, the design of the distribution extension needed to serve the customer will need to occur. This would be similar to how developers provide the distribution designs to the District today for new development. The design of the service needs to include interruptible load requirements and may require communications infrastructure from the load back to the District network. It may involve remote control of a customer owned interrupting device (this could be a 480V breaker with a shunt trip).

Master Plan Findings and Recommendations

The District's electrical utility system has sufficient capacity to serve existing and projected new electric loads as outlined in this report. Appendix E includes CCE's recommended electric system improvements with projected costs for the 10-year planning period. Master Plan findings are broken out by the three major components of the District's System:

In Valley distribution system

The In Valley distribution system has significant capacity to serve additional loads. It also includes a number of backup distribution connections which improve reliability. CCE analysis indicates that

existing In Valley distribution cables are adequate to serve up to the maximum PG&E interconnection load of 10MW. A 10MW load scenario would require some shifting of loads between the three feeders to avoid any specific section being over-loaded. Another option for In Valley as loads exceed 6.0MW would be to construct a fourth feeder out of the powerhouse. A new feeder cable extension from the powerhouse to the existing vaults, along with rearrangement of cables in the vaults, would be needed to create this fourth feeder. Due to the compact nature of the system, the system can serve up to 10MW of load with acceptable voltage at all customer locations.

Recommended In Valley system improvements are targeted as preventive measures to reduce equipment failures and to improve operational flexibility. In Valley recommended system improvements fall under these categories. Note that these categories are included in the replacement criteria for the specific improvements listed in this report:

- 1. Replacement of three-phase primary cables for Lift feeder within the meadow. This section is direct buried. CCE recommends replacement of this line with the 4/0Copper in conduit.
- 2. Replacement of old primary cable The system includes some older primary cables, some of them installed at the time of the specific development. These cables include non-jacketed concentric neutral cables in a direct buried trench. These cables either have reached or soon will be approaching their remaining useful life as noted by multiple failures in recent years. These unjacketed cables are subject to loss of the neutral conductor due to corrosion. CCE recommends a systematic program to eventually replace all older cables over the extent of the Master Plan. Primary cable failures during the winter months could be problematic for the District. Fortunately, since some of the system can be looped and served from backup directions, the District may be able to restore power after a cable failure by switching and then plan for a summer season replacement.
- 3. Replacement of direct buried service lines The field survey documented some of the direct buried service lines in Kirkwood. The District has experienced cable failures for some of these lines. CCE recommends a systematic program to replace these service lines. The replacements will be prioritized to replace the oldest cables first. Eventually, CCE recommends that all service cables be installed in conduit.
- 4. Damaged Loadbreak Junction Enclosures (LJE) The District experiences approximately two occurrences of LJE damage during heavy snow winters. The Master Plan includes costs for replacement of damaged enclosures.
- 5. Replacement of the Lodge switching cabinet This cabinet is becoming obsolete and should be replaced.
- 6. Fault Indicators The District's fault indicators are old devices (some acquired in the MU purchase). Older fault indicators will be replaced, and some new indicators should be installed at strategic locations to improve the District's response during outages. Newer fault indicators should be purchased with radio communication technology. That way, the District can read the status of fault indicators, even if the vault or LJE housing the indicators is buried in snow. CCE also recommends acquiring the radio system required for the remote location capability.
- 7. Transformer replacements Due to their age, CCE anticipates a number of transformer failures over the period of the Master Plan.
- 8. Installation of transformer retaining walls for specific transformers located in problematic terrain.
- 9. Meter replacements Due to regulatory requirements, the District is required to replace 10% of meters per year. Replaced meters will require the AMI radio transmitted capability.

10. Transformer oil containment – the El Dorado Irrigation District has expressed the need for a plan to install oil containment for padmounted transformer located below the dam the Caples Lake dam. This transformer serves Vail's water pumping station.

Lines for new consumers will be constructed as needed for growth. The District policies require 100% consumer contribution for any new lines required to serve new consumers. This study does not project the locations of new consumers or new line extensions except for the Palisades 6 development.

Out Valley System

The Out Valley system will maintain acceptable voltage levels for the historic peak load (3.28MW in December 2018). It is helpful to understand the District's operating practices for Out Valley since some of these practices would need to change for some load growth scenarios.

The 25 miles of underground 34.5kV cable creates a significant level of electrical capacitance on the Out Valley 35kV system. During peak load flows, the capacitance helps maintain the system voltage at an acceptable level for the District's In Valley system. However, at lightly loaded powerflows (off-peak), the capacitance can lead to unacceptable high voltages on the 34.5kV Out Valley cables. A 2.0 MVAR reactor was designed and installed as part of the Out Valley system. This reactor, located at the powerhouse, helps maintain the system voltage during lightly loaded powerflows. Currently, the reactor remains on-line all year and the Out Valley transformer at the Powerhouse adjusts the In Valley operating voltage using its Load Tap Changer (LTC) to provide acceptable voltage to In Valley as the overall peak load fluctuates.

Another tool used by the District to offset the potential high voltage on the 34.5kV system is adjustment of the fixed taps on the two Out Valley transformers (KM Green and KM Blue). Currently these transformers are both tapped in such a way as to lower the operating voltage and reduce the amount of LTC operations at KM Blue.

CCE analysis considered specific load growth cases for Out Valley.

Up to 6MW peak load

This growth scenario includes residential and commercial development as well as some implementation of EV car charging. Keep in mind that a 6.0MW peak would represent a doubling of the system peak.

As loads increase, above the current 3.0MW levels, the District should continue to monitor and document the operating extents of the LTC at the KM Blue transformer. These measurements will provide the best barometer of the Out Valley operation.

- 1. Increases in the LTC "voltage raise" functions will provide the District a warning that system voltages need to be increased, especially at peak load levels. As LTC "voltage raise" extents increase with growth, KMPUD can plan to adjust the fixed taps at either the KM Green transformer, the KM Blue transformer, or both. These fixed tap changes must be made with the system off-line and can be scheduled for the following summer (after the peak loads are experienced).
- 2. Decreases in the LTC "voltage lower" functions could occur due to small increased voltage levels on the PG&E 115kV system. As grid transmission systems grow (specifically in the

Salt Springs/Tiger Creek PG&E transmission region) some level of voltage increases could occur. Such increases would be small and within the typical transmission delivery voltages documented in the PG&E interconnection agreement. If Kirkwood loads hold steady in the future, yet operating voltages increase (as documented in the LTC historical values), the District should plan to adjust the KM Green and KM Blue fixed taps accordingly during the subsequent summer season. These adjustments would make small reductions in the Out Valley 34.5kV system and are needed to protect the 25 miles of underground cable included in the Out Valley.

3. CCE does not recommend any switching of the KM Blue 2.0MVAR reactor for peak loads up to 6.0MW. The operating changes described above should be adequate for Out Valley to provide up to the 6.0MW while keeping the 34.5kV operating voltage within underground cable tolerances. As load grows in Kirkwood, CCE recommends that the District develop a procedure to record the 34.5kV voltages on a monthly basis. This process would involve District staff taking readings from one protective relay (SEL-311L) at KM Green, and the associated relay at KM Blue. These readings should be taken during both peak and off-peak conditions.

CCE's analysis shows that the Out Valley system has the capacity to maintain acceptable voltage levels for up to 6MW peak load at Kirkwood with the adjustments described above.

6MW to 10MW peak loads

This growth scenario was assessed because the 10MW peak is the maximum allowable under the KMPUD-PG&E interconnection agreement. Any load growth that results in a peak load greater than 6MW will have ramifications for the operation of the Out Valley system.

For loads exceeding 6.0MW, CCE recommends a number of electrical improvements that will allow the Out Valley to reliably carry up to the 10MW limit. Managing voltage and power factor seasonally and in real-time will be required. CCE recommends the projects (described below) in a sequence which will depend on the actual peak loads that occur, the actual summer peaks that occur in the future, and actual voltage recordings and LTC data.

- 1. Automate switching of the 2.0MW reactor This project will involve programming existing protective relays at both KM Green and KM Blue to monitor power flows and voltages and automatically switch the KM Blue reactor. In essence, when peak loads are occurring and system voltages are low, the reactor will be switched off. As loads decrease and system voltages increase, the reactor will be switched back on. During peak winter months, it is possible the reactor will be switching daily.
- 2. Installation of switched capacitor(s) In Valley Switched capacitors can be strategically placed in the Kirkwood area to compensate for significant motor loads. Switched capacitors will reduce the overall MVA powerflow of the Out Valley at high peak load periods and therefore improve the overall Out Valley capacity and the operating voltages on the In Valley system. Additional power factor data could be collected from the feeder breaker relays to trend power factor and provide guidance as to the location and capacity of any switched capacitors on the system.
- 3. Installation of a 35kV voltage regulator in a remote location between Peddler Hill and Kirkwood. This padmounted device will make up to 10% adjustments of the 34.5kV voltage depending on load values and operating voltages. The location of such a regulator can be

determined by the District with the knowledge that the regulator will require periodic maintenance and testing.

Out Valley Capital Improvements

CCE recommends only a couple of capital improvements for the Out Valley system for the 20-year planning period. The impetus for additional capital improvements for Out Valley will be based on if loads exceed the 6.0MW threshold. The following recommendation is based on the expectation that peak loads will not exceed 6.0MW:

1. Damaged 35kV Loadbreak Junction Enclosures (LJE) – The District has experienced some damage to these 34.5kV LJE during heavy snow winters. The LJEs were placed at specific points in the Out Valley project. The Master Plan includes costs for replacement of damaged enclosures and includes costs for LJEs as well as vaults. The replacements will typically be new LJEs (rather than installing a vault). The 34.5kV cable is larger and much less flexible than the District's 15kV cable. Replacing an LJE with a vault may result in the need to replace one entire section of the 35kV cable, which would increase the costs significantly. There are no other practical alternatives to the vaults or LJE style cabinets for 35kV underground cable systems.

Out Valley - Peddler Hill Service Considerations

As load grows in Kirkwood, and the District adjusts the Out Valley operating voltages, the District is aware that such changes will impact the operating voltage levels seen at the Peddler Hill delivery to Caltrans. Caltrans is aware of such potential fluctuations. As the District is making seasonal adjustments to Out Valley, CCE recommends that Caltrans be informed periodically.

Powerhouse

The District's powerhouse, as it is currently operated without the use of the Volvo 450kW generators, has a capacity of less than 3MW. Without the Volvo generators operational, the District is already at peak capacity of the powerhouse with historical peak loads between 2.7 and 3.28MW. CCE recommends that the District complete an investigation of the use of the five Volvo generators. Such an investigation will allow the District to compare options for the powerhouse as a backup power source. CCE expects the District would be faced with powerhouse upgrade options in order to be able to depend on the powerhouse to backup up to its originally rated capacity of 5.0MW:

- 1. Replace the Volvo generators with another Caterpillar generator which could utilize the existing generator step-up transformer and switchgear breaker. This upgrade would require significant physical changes in the powerhouse. CCE has not evaluated if a new Caterpillar generator could replace the Volvo generators within the existing building footprint. Modifications to the powerhouse structure would add additional costs if needed.
- 2. The vendor that designed and installed the complete generator system in the powerhouse, PowerSecure had stated back in 2011 that the powerhouse could incorporate a fourth 980 kW generator but would require some building remodel work, the new generator, and a new Generator Step-Up transformer.

A local backup power source remains the most viable backup power alternative for the District (in the event of loss of Out Valley). The Kirkwood area remains isolated from other parts of the electric grid. Adding a fourth generator takes advantage of the existing powerhouse infrastructure and would be able to utilize the existing switchgear breaker and step-up transformer which are currently dedicated to the bank of Volvo generators.

CCE made a preliminary assessment of a battery backup system at the powerhouse. This analysis showed that even for a short-lived 8-hour backup system over 13,000 square feet of floor space would be required (for batteries and inverters) and would likely require HVAC upgrades to the building to maintain the battery systems operating temperatures. The District should anticipate an Out Valley outage could last up to a week. In the event of damage to the Salt Springs to KM Green 115kV line, repairs along this rugged terrain could be hampered by weather, access across forest lands, and availability of replacement materials. The backup generators will provide a substantially higher level of resilience than a battery storage system.

Certification

CCE analyzed the District 12.47 kV distribution system. The distribution system has the capacity to serve the existing the District loads plus projected growth while maintaining acceptable electric reliability levels. CCE analyzed the Out Valley project. The Out Valley project will provide adequate and dependable service for up to 6.0MW of electric load at Kirkwood. The Out Valley project can dependably serve up to 10MW of load in Kirkwood with the addition of voltage regulating equipment. Such voltage regulating equipment is not assessed in this report.

With peak loads less than 5.0MW, and with the capacity of the powerhouse and redundancy with the additional power source from Out Valley, and a looped underground distribution network, the District consumers can expect electric reliability to continue to exceed typical rural electric power providers. With peak loads exceeding 5.0MW and without further upgrades to the powerhouse, the District's resilience will be reduced since the backup powerhouse would not be able to serve the entire Kirkwood load during a sustained Out Valley outage.

The projected loads that were assessed in this report were derived as described herein. No other load forecast data was considered. Under this approach, CCE assessed a doubling of peak electric demand in Kirkwood from 3.0MW to 6.0MW. CCE asserts that such a growth scenario represents a conservative method for analyzing the electrical system.

I certify that I am a duly registered professional engineer under the laws of the State of California.

06-22-23

Date

1100

David H. Rightley, P.E.

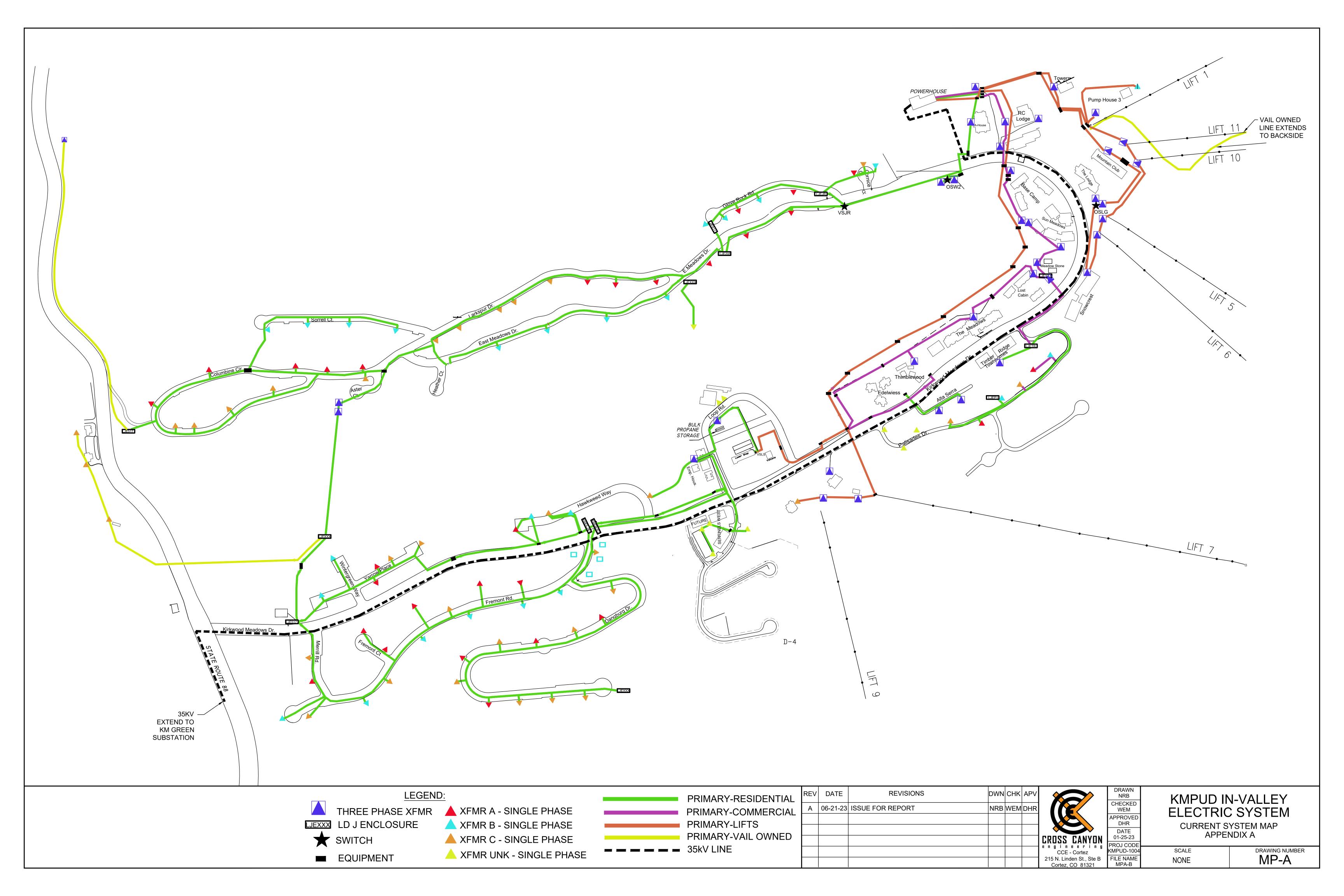
Cross Canyon Engineering

California P.E. # E 22938



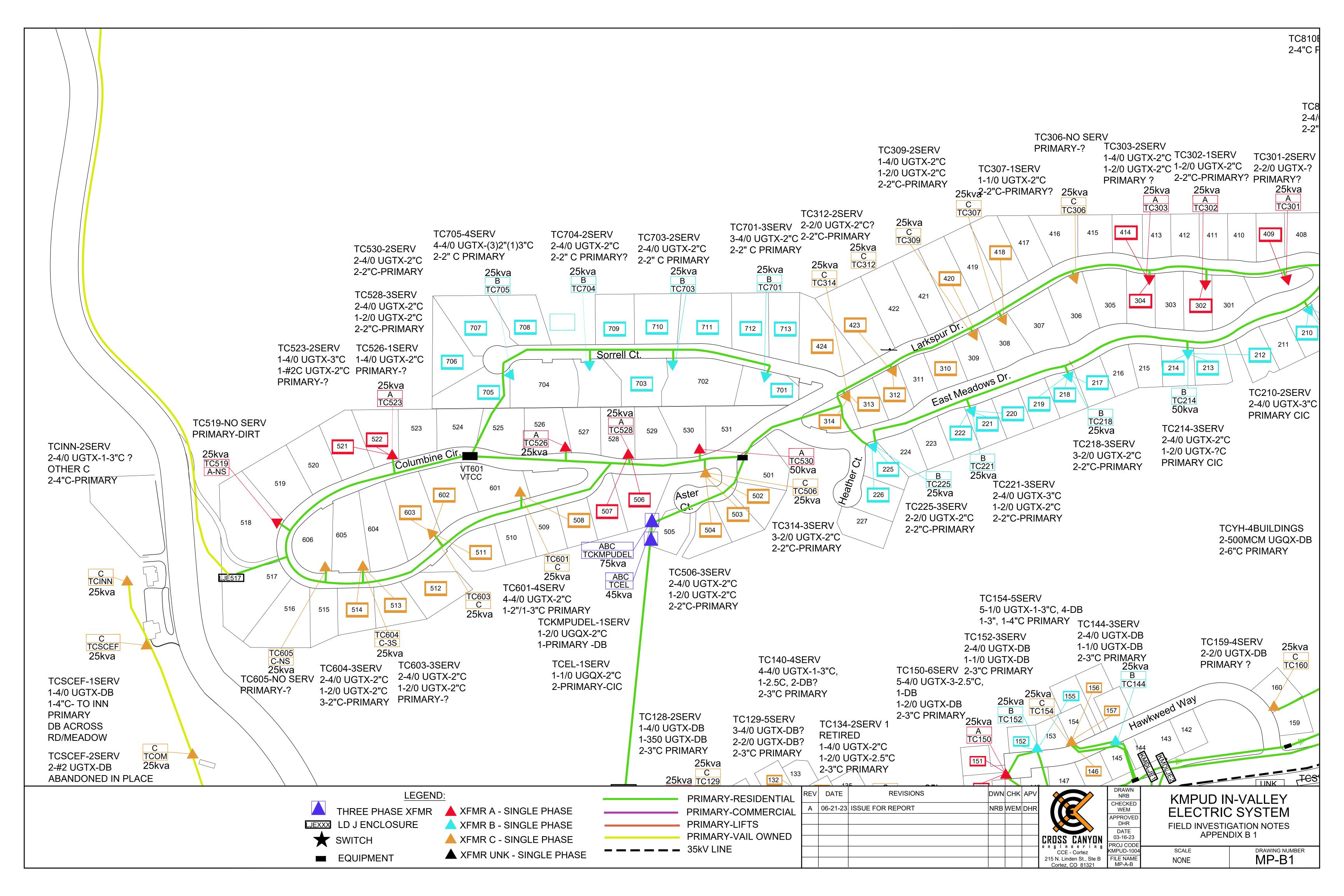
APPENDIX A

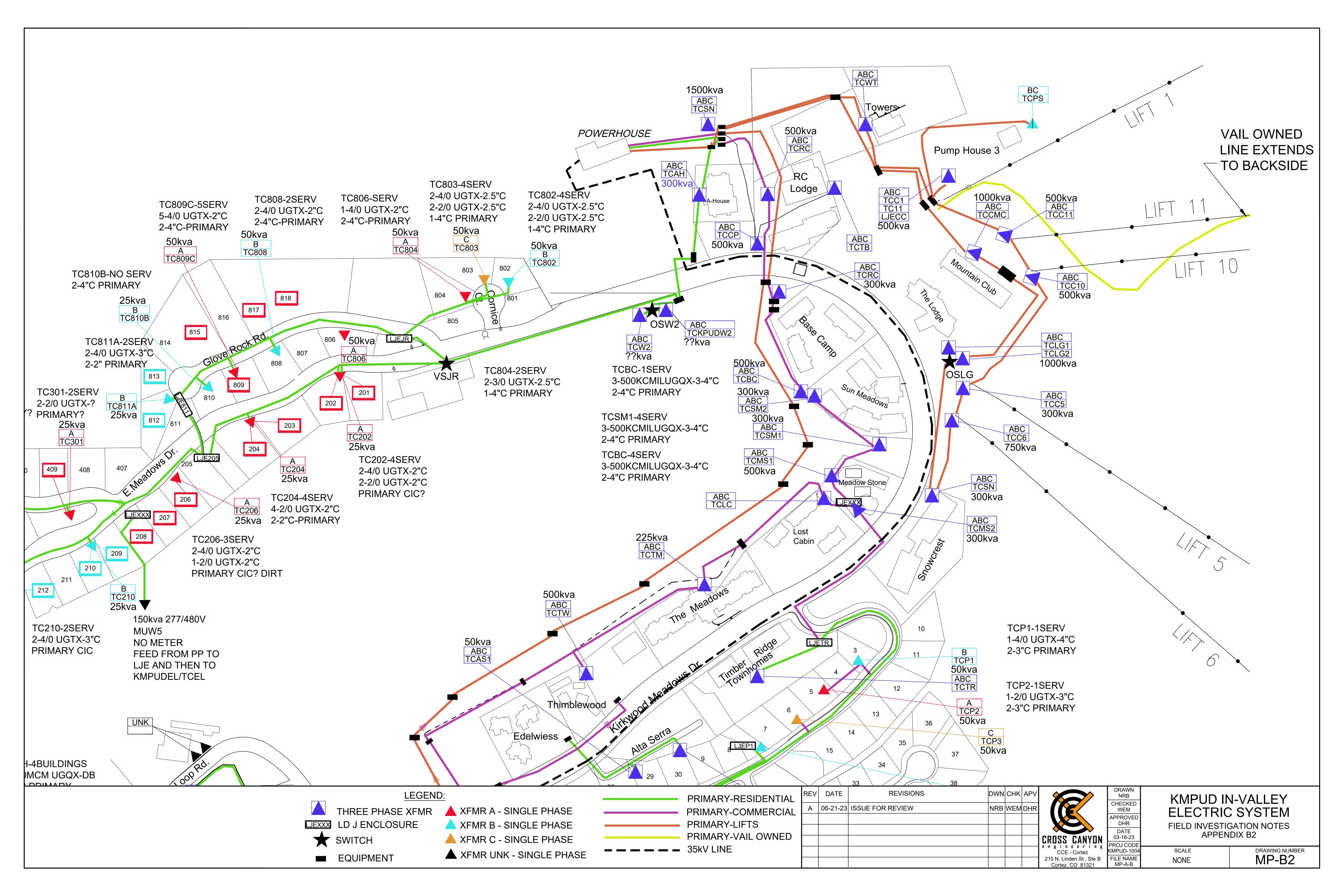
KMPUD In Valley Electric System Map - Current System

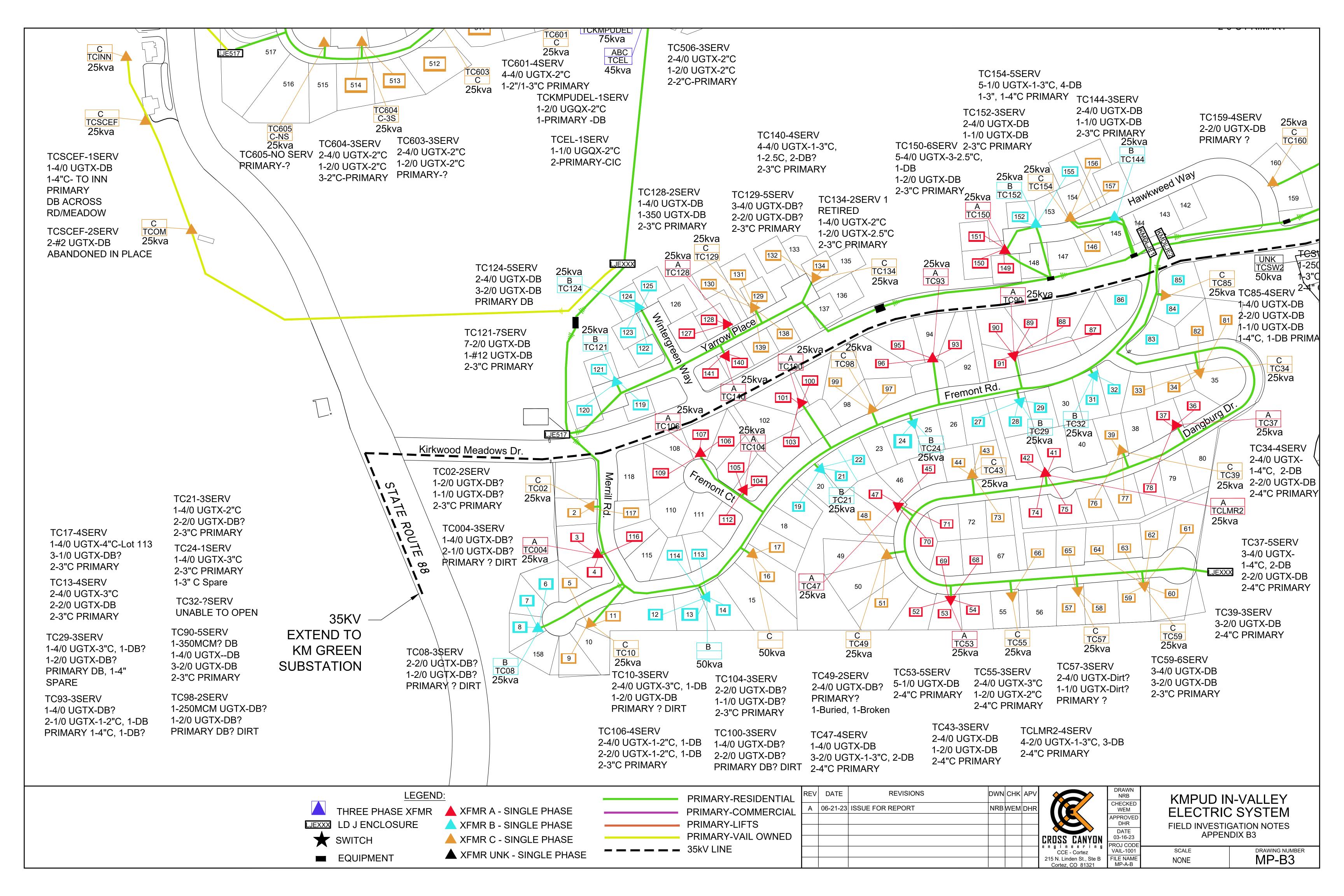


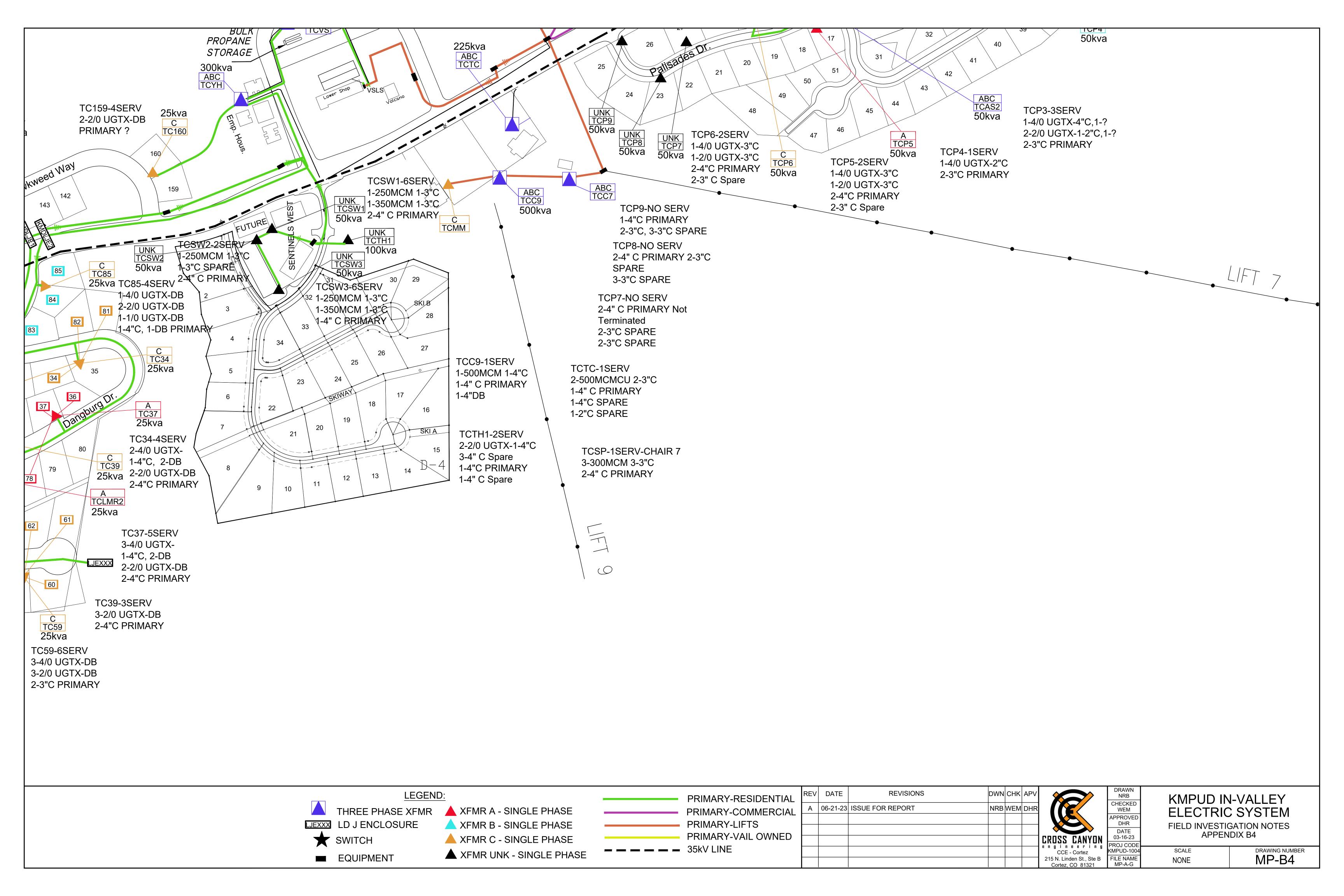
APPENDIX B

KMPUD In Valley Electric System Field Investigation Notes



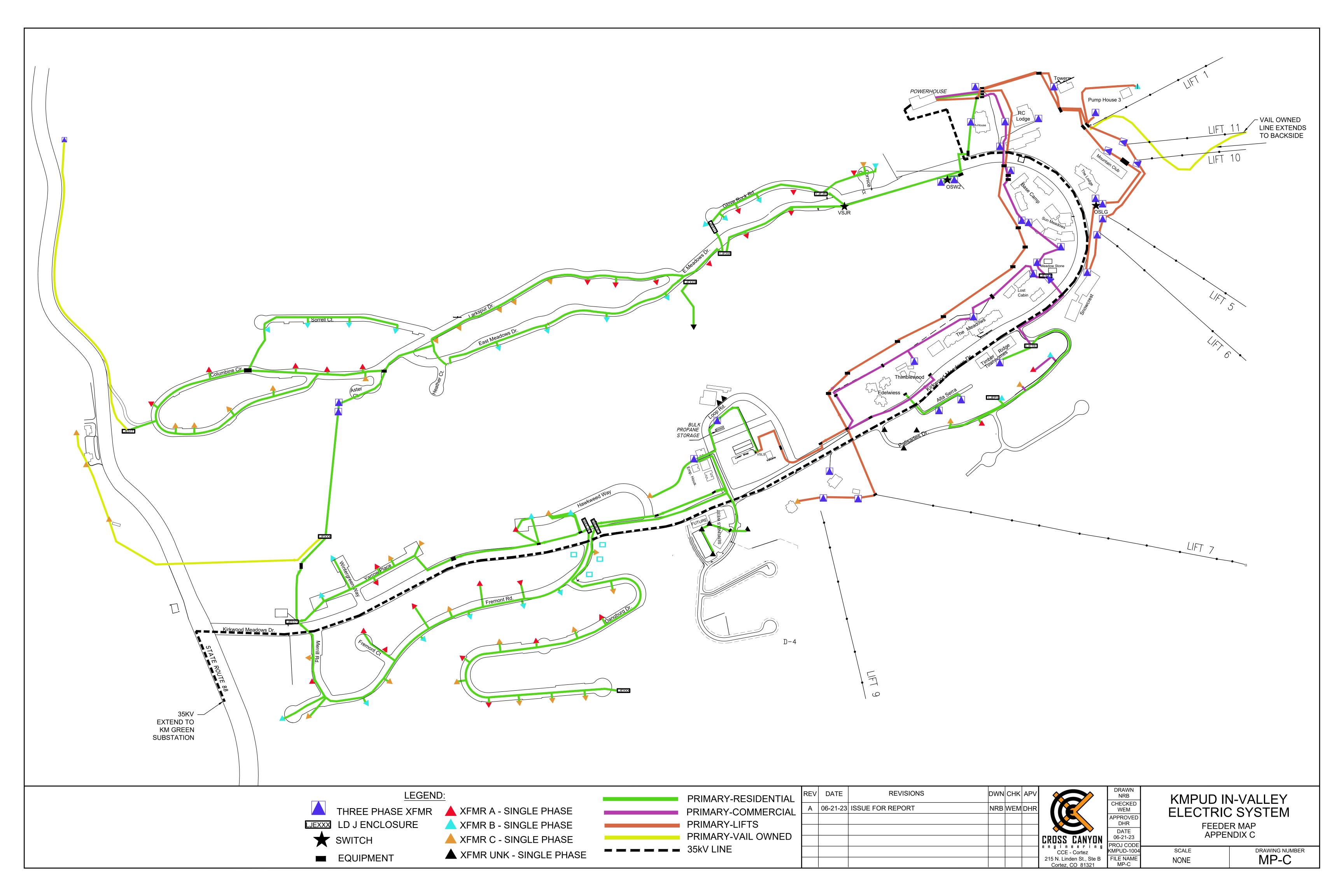






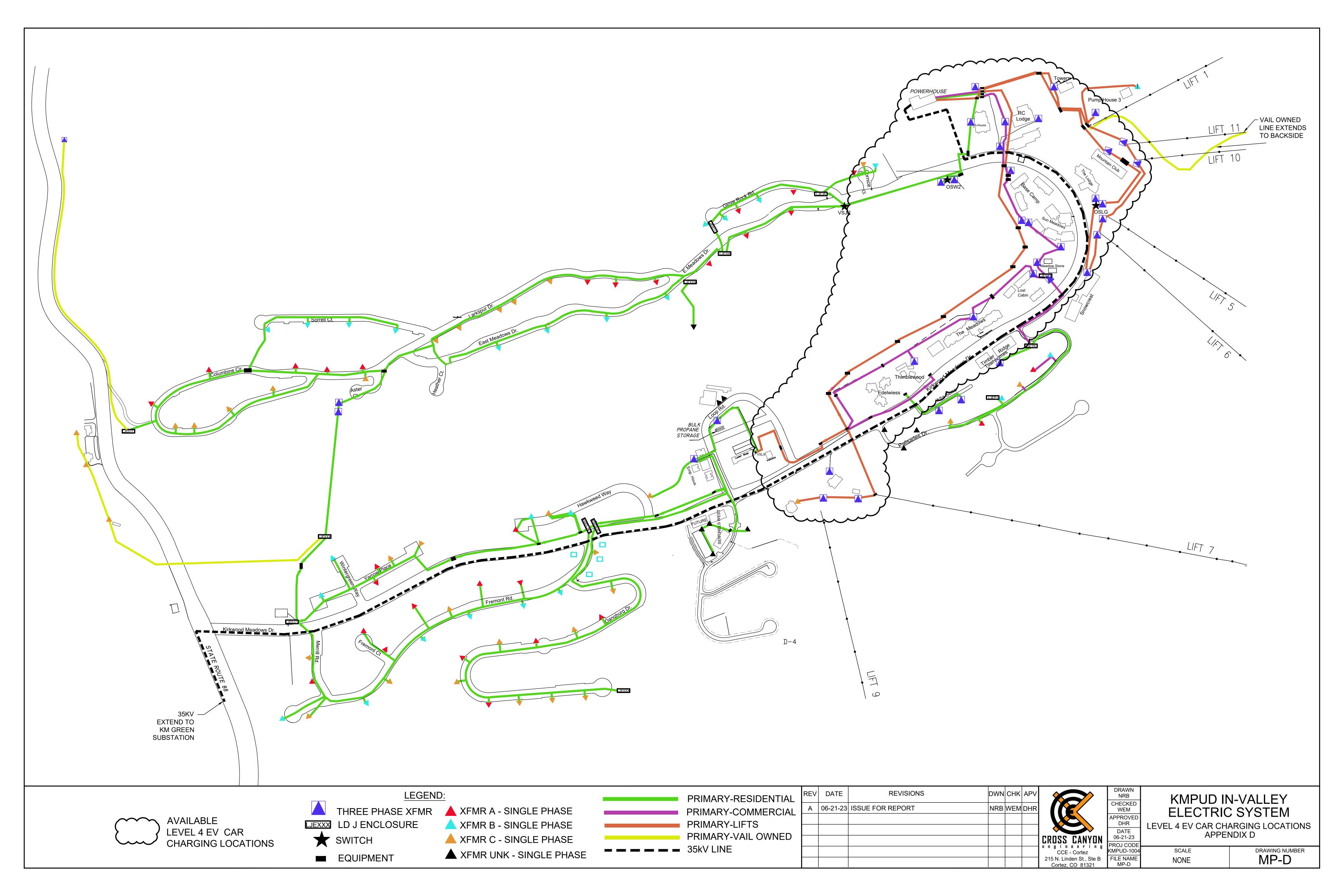
APPENDIX C

KMPUD In Valley Electric System Feeder map



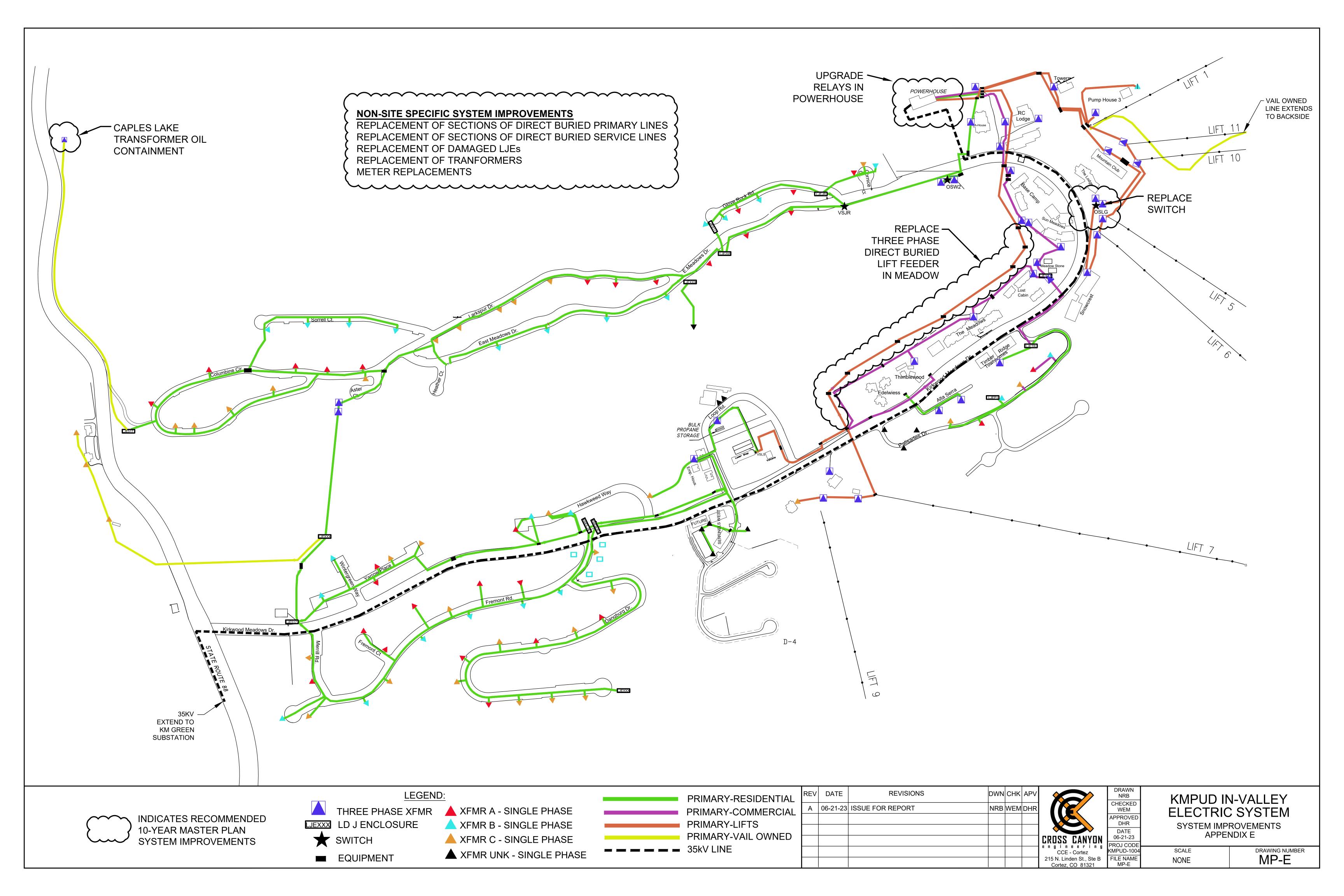
APPENDIX D

KMPUD In Valley Electric System Map - Level 4 EV Car Charging Locations



APPENDIX E

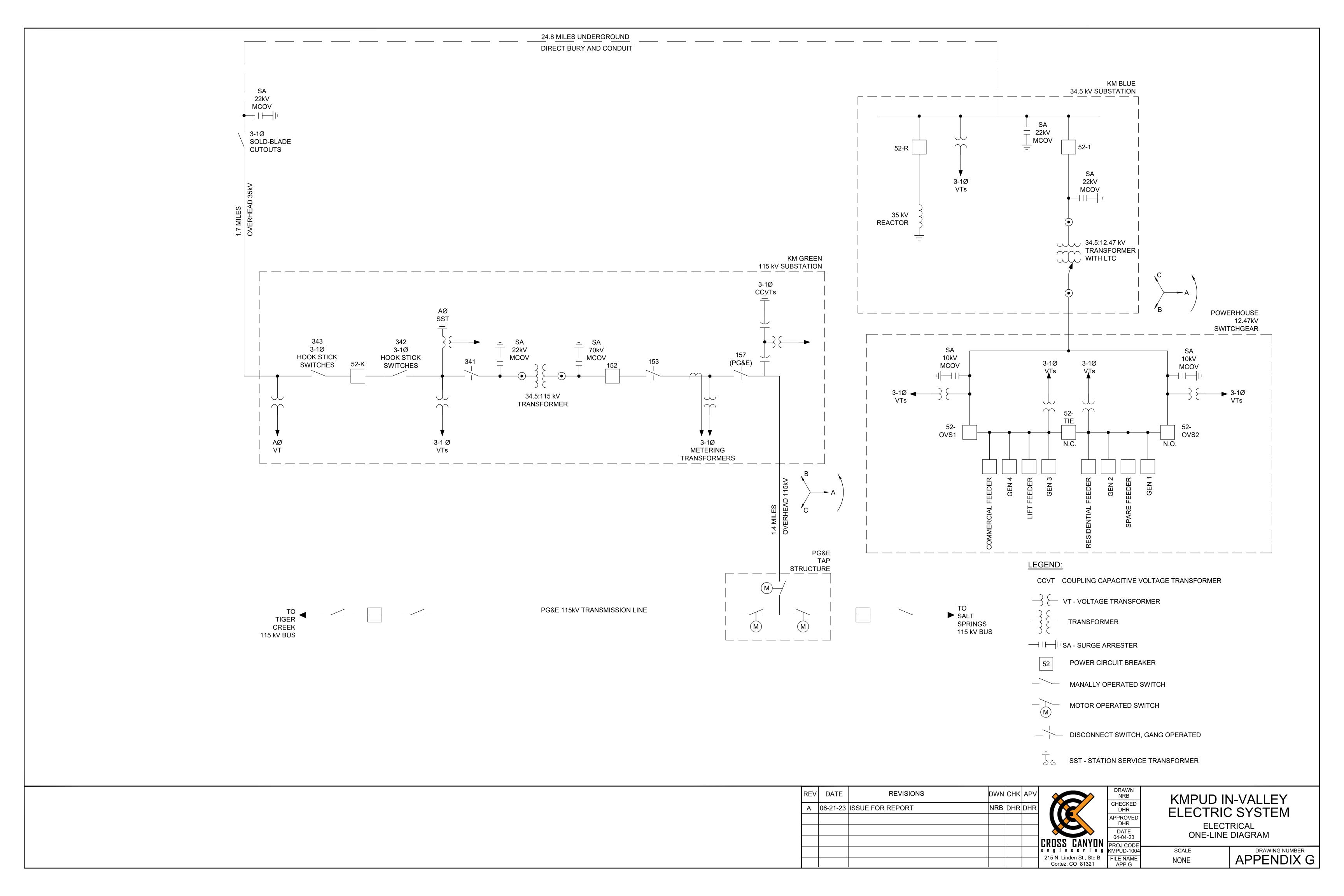
KMPUD In Valley Electric System Map - System Improvements



<u>APPENDIX F</u> Powerhouse One-Line Diagram

APPENDIX G

KMPUD Electrical System One-Line Diagram



APPENDIX H Recommended 10-Year Capital Plan

	5 Yr Total	Cycle	Priority	2023-2024	2024-2025	2025-2026	2026-2027	2027-2028	2028-2029	2029-2030	2030-2031	2031-2032	2032-2033
Capacity Component			Scale 1~5 1=Critical										
	0												
	0												
	0												
	0												
	0												
	0												
Total Electric Capacity Expense	0			0	0	0	0	0	0	0	0	0	0
Replacement Component													
Replace Direct Bury Primary Line (Lifts Feeder) in meadow	500,000	One Time	4		500,000								
Miscellaneous Underground Cable Replacements	100,000	Two Years	3	20,000		20,000		20,000		20,000		20,000	
Miscellaneous Underground Service Line Replacements	20,000	Two Years	3		4,000		4,000		4,000		4,000		4,000
Replace switch at the Lodge	45,000	One Time	4					45,000					
Replace damaged LJEs In-Valley	40,000	Four Years	2	20,000			20,000						
Fault indicators	12,500	One Time	4				12,500						
Fault indicator wireless system	3,000	One Time					3,000						
Transformer replacements	18,000	Four Years	1		6,000			6,000			6,000		
Transformer Retaining Walls	6,000	One Time	1	6,000									
Meter replacements	30,000	One Year	2	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000
Caples Lake transformer oil containment	20,000	One Time	3			20,000							
Replace Damaged Out Valley Sectionalizing Cabinets	24,000	Four Years			8,000			8,000			8,000		
Upgrade powerhouse relays OVS1 and OVS2	20,000	One Time					20,000						
Total Electric Replacement Expense	838,500			49,000	521,000	43,000	62,500	82,000	7,000	23,000	21,000	23,000	7,000
Total Electric Capital Expense	838,500			49,000	521,000	43,000	62,500	82,000	7,000	23,000	21,000	23,000	7,000

STAFF REPORT

Propane Master Plan & Intended Scope of Project

Background:

In order to better plan for future, needed capital improvements, the District will be completing Master Plans for the four main utilities, Electric, Propane, Wastewater, and Water. Due to the Board's desire reduce use of and reliance on propane, the Board needs to consider the scope of the Propane Master Plan, versus a traditional Master Plan document.

The Master Plan <u>is not</u> a document that discusses the merits of propane, District policies on propane, future legislative actions that may impact propane, moratoriums on propane, or propane utility rates, etc. It is simply a planning tool for the replacement, expansion, or abandonment of infrastructure.

Master Plan Scope:

- 1. Review of storage capacity of the existing system.
 - a. This is proceeding separately, as per Board direction, as a pre-design. The results and subsequent Board action will be included in the Master Plan.
- 2. Review of distribution capacity and/or modeling of the existing system.
 - a. Provided the current policy regarding new propane connections remains unchanged, Staff does not recommend including this as there are no known issues with the distribution system.
 - i. The Board may wish to consider if a schematic model would be beneficial in future abandonment of pipelines so as to mitigate and/or eliminate impacts to adjacent customers.
- 3. Review of age / useful life of existing infrastructure.
 - a. Staff recommends including this component.
- 4. Analysis of the need for any new infrastructure.
 - a. Staff anticipates this will be limited to 1) new infrastructure that protects existing facilities, e.g. building(s) to protect the existing tanks, water baths, and/or vaporizers and 2) new water bath vaporizers or multiple direct-fire vaporizers for redundancy.
 - b. Staff recommends that an expansion of capacity not be included in the Master Plan.
- 5. Development of a long-term capital plan for replacement of infrastructure as needed.
 - a. This is needed for any future rate studies; Staff recommends including this component.

Fiscal Impact:

The approved capital budget estimates the cost as \$100,000. Any limitations to or expansion of the recommended scope may impact this amount.

Prepared By:

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