

Board Agenda

Regular Meeting

Thursday, December 9, 2021 Camrosa Board Room 5:00 P.M. Board of Directors Al E. Fox Division 1 Jeffrey C. Brown Division 2 Timothy H. Hoag Division 3 Eugene F. West Division 4 Terry L. Foreman Division 5

General Manager Tony L. Stafford

TO BE HELD REMOTELY

In light of public health responses to the threat of COVID-19 and Governor Newsom's Executive Order N-25-20, the Camrosa office is still closed to the public. Board meetings are accessible to the public <u>only</u> via web-based teleconference, as described below.

To participate via the web to see the board meeting presentation, click <u>https://us02web.zoom.us/j/9235309144</u> on your computer, tablet, or smartphone. You'll need to download and install the ZOOM app before logging on.

If you'd like to make a comment, you'll have to log in via the app so we can identify you and invite you to participate.

To listen in via phone, call (669) 900-6833; when prompted, enter the meeting ID: 923 530 9144.

We are willing and able to make reasonable accommodation for individuals with disabilities. If you require assistance, please contact Ian Prichard at IanP@camrosa.com or 805.482.6562.

Call to Order

Public Comments

At this time, the public may address the Board on any item <u>not</u> appearing on the agenda which is subject to the jurisdiction of the Board. Persons wishing to address the Board should fill out a white comment card and submit it to the Board Chairman prior to the meeting. All comments are subject to a <u>5-minute</u> time limit.

Matters appearing on the Consent Agenda are expected to be non-controversial and will be acted upon by the Board at one time, without discussion, unless a member of Board or the Staff requests an opportunity to address any given item. Items removed from the Consent Agenda will be discussed at the beginning of the Administrative Items. Approval by the Board of Consent Items means that the recommendation of the Staff is approved along with the terms and conditions described in the Board Memorandum.

Consent Agenda

- 1. Approve Minutes of the Special Meeting of November 10, 2021
- 2. <u>Approve Minutes of the Special Meeting of November 16, 2021</u>
- 3. Approve Minutes of the Regular Meeting of November 18, 2021

4. <u>**Approve Vendor Payments</u>

Objective: Approve the payments as presented by Staff.

Action Required: Approve accounts payable in the amount of \$644,639.70.

5. **Tier 2 Historian

Objective: Increase the security of SCADA servers.

Action Required: Authorize the General Manager to issue a purchase order in the amount of \$28,965.00 to E&M, Inc. dba Wonderware for the Tier 2 Historian server.

Primary Agenda

6. **Tierra Rejada Well Rehabilitation Project, Specification No. PW21-03

Objective: Authorize Change Orders for additional cleaning, pump installation, and specialty inspection at Tierra Rejada Well.

Action Required: It is recommended that the Board of Directors:

- 1) Authorize additional funding in the amount of \$30,000.00 for the Tierra Rejada Well Rehabilitation; and
- 2) Authorize the General Manager to award two Change Orders to General Pump Company, in the combined amount of \$62,691.23, for additional out-of-scope work for the rehabilitation of the Tierra Rejada Well in accordance with Specifications No. PW21-03; and
- 3) Authorize a Change Order to Hopkins Groundwater Consulting (Hopkins) for additional out of scope hydrogeological inspection and administrative services in the amount of \$5,490.00.

7. <u>**Reservoir 4C Welded Steel Tank and Hydro-pneumatic Pump Station Replacement Update</u>

Objective: Complete the design for system improvements at the District's 4C site.

Action Required: It is recommended that the Board of Directors accept District staff's findings and recommendation to proceed with the design of Alternative No.1; replacement of the 4C Hydro-pneumatic Pump Station and one-million-gallon 4C Reservoir in kind.

8. ****Penny Well – Air Entrainment Remediation**

Objective: Authorize a Purchase Order for cleaning of Penny Well and reinstallation of pump.

Action Required: Authorize the General Manager to issue a Purchase Order to General Pump in the amount \$81,329.29, to provide cleaning, rehabilitation, and re-installation of the existing pump for the Penny Well.

9. **PV Well #2 Ratification

Objective: Repair PV Well #2 and return it to service on an "emergency" basis.

Action Required: Ratify the action of the General Manager to approve the repair of PV Well #2 on a time-and-materials basis and the subsequent issuance of a purchase order to General Pump in the amount of \$116,265.65.

10. Lobby Redesign

Objective: Complete the District's lobby remodel.

Action Required: Ratify the expenditures in exceedance of the General Manager's authority in the amount of \$416.26 made to J.E. Armstrong Architect, Inc., to complete architectural services for the District's lobby redesign.

11. ****Real Estate Developments**

Objective: Discuss real estate developments occurring within the District service area.

Action Required: No action necessary; for information only.

CLOSED SESSION: The Board may enter a closed session to confidentially discuss litigation matters as authorized by Government code 54956.9.

12. <u>Closed Session Conference with Legal Counsel – Pending Litigation</u>

Objective: To confer with and receive advice from counsel regarding pending litigation.

Action Required: No action necessary; for information only.

Comments by General Manager; Comments by Directors; Adjournment

PLEASE NOTE: The Board of Directors may hold a closed session to discuss personnel matters or litigation, pursuant to the attorney/client privilege, as authorized by Government Codes. Any of the items that involve pending litigation may require discussion in closed session on the recommendation of the Board's Legal Counsel.

Note: ** indicates agenda items for which a staff report has been prepared or backup information has been provided to the Board. Copies of the full agenda are available for review at the District Office and on our website at www.camrosa.com.



December 9, 2021

Board of Directors Agenda Packet



Board Minutes

Special Meeting

Board of Directors AI E. Fox Division 1 Jeffrey C. Brown Division 2 Timothy H. Hoag Division 3 Eugene F. West Division 4 Terry L. Foreman Division 5 General Manager

Tony L. Stafford

Wednesday, November 10, 2021

Via teleconference 5:00 P.M.

- **Call to Order** The meeting was convened at 5:00 P.M. as a web-based teleconference. All participants attended remotely.
 - Present: Eugene F. West, President Terry L. Foreman, Vice-President Al E. Fox, Director Jeffrey C. Brown, Director Timothy H. Hoag, Director
 - Staff: Tony Stafford, General Manager Ian Prichard, Assistant General Manager Greg Jones, Legal Counsel Kevin Wahl, Superintendent of Operations

Public Comments

None

Primary Agenda

CLOSED SESSION: The Board entered a closed session at 5:01 P.M. to confidentially discuss litigation matters as authorized by Government code 54956.9.

1. <u>Closed Session Conference with Legal Counsel – Pending Litigation</u>

The Board conferred with and received advice from counsel regarding pending litigation.

No action was taken in closed session.

The Board returned to open session at 5:19 P.M.

Primary Agenda (Cont.)

2. Purchase GAC Motor Control Centers

The Board authorized the General Manager to issue a purchase order to Royal Industrial Solutions in the amount of \$1,054,110.97 for the MCC for the Conejo Wellfield GAC treatment plant.

Motion: Fox Second: Brown Roll Call: Fox-Yes; Brown-Yes; Hoag-Yes; Foreman-Yes; West-Yes

Comments by General Manager

• A company vehicle was stolen out of an employee's driveway: it was insured, has been reported to insurers and the police, and has yet to be recovered.

Comments by Directors

• Director Fox inquired whether there would be any effect from the new Conejo Wellfield GAC Treatment Plant on a potential RV Park at the County Park site west of Hill Canyon Road. Mr. Stafford responded there would not.

Adjournment

There being no further business, the meeting was adjourned at 5:26 P.M.

_(ATTEST)

Tony L. Stafford, Secretary/Manager Board of Directors Camrosa Water District Eugene F. West, President Board of Directors Camrosa Water District



Board Minutes

Special Meeting

Tuesday, November 16, 2021

Via teleconference

5:00 P.M.

- Call to OrderThe meeting was convened at 5:00 P.M. as a web-based teleconference. All
participants attended remotely.Present:Eugene F. West, President
 - Terry L. Foreman, Vice-President Jeffrey C. Brown, Director Timothy H. Hoag, Director
 - Absent: Al E. Fox, Director
 - Staff: Tony Stafford, General Manager Ian Prichard, Assistant General Manager Greg Jones, Legal Counsel

Public Comments

None

Primary Agenda

CLOSED SESSION: The Board entered a closed session at 5:01 P.M. to confidentially discuss litigation matters as authorized by Government code 54956.9.

1. <u>Closed Session Conference with Legal Counsel – Pending Litigation</u>

The Board conferred with and received advice from counsel regarding pending litigation.

No action was taken in closed session.

The Board returned to open session at 6:32 P.M.

Comments by General Manager

None

Comments by Directors

None

Board of Directors AI E. Fox Division 1 Jeffrey C. Brown Division 2 Timothy H. Hoag Division 3 Eugene F. West Division 4 Terry L. Foreman Division 5 General Manager

Tony L. Stafford

Adjournment

There being no further business, the meeting was adjourned at 6:33 P.M.

Tony L. Stafford, Secretary/Manager Board of Directors Camrosa Water District Eugene F. West, President Board of Directors Camrosa Water District (ATTEST)



Board Minutes

Regular Meeting

Thursday, November 18, 2021

Camrosa Board Room 5:00 P.M.

Call to Order The meeting was convened at 5:00 P.M. as a web-based teleconference.

- Present: Eugene F. West, President (via teleconference) Terry L. Foreman, Vice-President (via teleconference) Al E. Fox, Director (via teleconference) Jeffrey C. Brown, Director (via teleconference) Timothy H. Hoag, Director (via teleconference)
 - Staff: Tony Stafford, General Manager (via teleconference)
 Ian Prichard, Assistant General Manager (via teleconference)
 Joe Willingham, I.T. and Special Projects Manager (via teleconference)
 Terry Curson, District Engineer (via teleconference)
 Greg Jones, Legal Counsel (via teleconference)
- Guest: Todd Robins, Robins Borghei, LLP (via teleconference)

Public Comments

None

Consent Agenda

1. Approve Minutes of the Regular Meeting of October 28, 2021

The Board approved the Minutes of the Regular Meeting of October 28, 2021.

Motion: Fox **Second:** Hoag **Roll Call:** Fox-Yes; Brown-Yes; Hoag-Yes; Foreman-Yes; West-Yes

2. Approve Vendor Payments

A summary of accounts payable in the amount of \$1,393,143.68 was provided for Board information and approval. The Board approved the payments to vendors as presented by staff in the amount of \$1,393,143.68.

Motion: Fox Second: Hoag Roll Call: Fox-Yes; Brown-Yes; Hoag-Yes; Foreman-Yes; West-Yes

3. Quit Claims – Shea Homes, Tract 5976

The Board authorized the General Manager to sign and accept the Quit Claim deed and exhibits (attached) modifying an existing easement for Shea Homes Tract 5976.

Motion: Fox Second: Hoag Roll Call: Fox-Yes; Brown-Yes; Hoag-Yes; Foreman-Yes; West-Yes Board of Directors AI E. Fox Division 1 Jeffrey C. Brown Division 2 Timothy H. Hoag Division 3 Eugene F. West Division 4 Terry L. Foreman Division 5

General Manager Tony L. Stafford

4. Board of Directors Meeting Calendar for 2022

The Board adopted a calendar of regular Board meetings for calendar year 2022.

Motion: Fox Second: Hoag Roll Call: Fox-Yes; Brown-Yes; Hoag-Yes; Foreman-Yes; West-Yes

Primary Agenda

CLOSED SESSION: The Board entered a closed session at 5:02 P.M. to confidentially discuss litigation matters as authorized by Government code 54956.9.

5. <u>Closed Session Conference with Legal Counsel – Pending Litigation</u>

The Board conferred with and received advice from counsel regarding pending litigation.

No action was taken in closed session.

The Board returned to open session at 6:37 P.M.

Primary Agenda (Cont.)

6. Conejo Wellfield GAC Construction, Specification No. PW 21-04

The Board took the following actions:

- 1) Appropriated an additional \$7,000,000.00 to fully fund the Conejo Wellfield GAC Treatment Plant project from the potable capital replacement fund.
- 2) Authorized the General Manager to enter into an agreement with and issue a purchase order to James C. Cushman in an amount not to exceed \$5,792,150.00 to construct the Conejo Wellfield GAC treatment plant, specification number PW 21-04.
- 3) Authorized the General Manager to enter into an agreement with and issue a purchase order to MKN & Associates in an amount not to exceed \$179,850.00 for construction management services associated with the Conejo Wellfield GAC treatment plant.
- Authorized the General Manager to issue a purchase order to General Pump Company in an amount not to exceed \$579,943.00 to rehabilitate Conejo Wells #2, #3, and #4, and Santa Rosa Well #8.

Motion: Brown Second: Fox

Roll Call: Fox-Yes; Brown-Yes; Hoag-Yes; Foreman-Yes; West-Yes

Information Item

7. Drought Conditions

The Board received an update on current drought conditions.

No action necessary; for information only.

Comments by General Manager

None

Comments by Directors

None

Adjournment

There being no further business, the meeting was adjourned at 6:52 P.M.

Tony L. Stafford, Secretary/Manager Board of Directors Camrosa Water District

Eugene F. West, President Board of Directors Camrosa Water District (ATTEST)



Board Memorandum

December 9, 2021

To: General Manager

From: Sandra Llamas, Sr. Accountant

Subject: Approve Vendor Payments

Objective: Approve the payments as presented by Staff.

Action Required: Approve accounts payable in the amount of \$644,639.70.

Discussion: A summary of accounts payable is provided for Board information and approval.

Payroll PR 11-2 & ME	\$	100,760.11
Accounts Payable 11/11/2021-12/01/2021	<u>\$</u>	543,879.59
Total Disbursements	<u>\$</u>	644,639.70

DISBURSEMENT APP	PROVAL
BOARD MEMBER	DATE
BOARD MEMBER	DATE
BOARD MEMBER	DATE

Board of Directors AI E. Fox Division 1 Jeffrey C. Brown Division 2 Timothy H. Hoag Division 3 Eugene F. West Division 4 Terry L. Foreman Division 5

General Manager Tony L. Stafford

Tony L. Stafford, General Manager

Camrosa Water District

Accounts Payable Period:

11/11/2021-12/01/2021

Expense	Account Description	Amount
11100	Accounts Rec-Other	
15773	Deferred Outflows-UAL Prep.	
11700	Meter Inventory	
11900	Prepaid Insurance	
11905	Prepaid Maintenance Ag	
13000	Land	
13400	Construction in Progress	327061.83
20053	Current LTD Bond 2016	
20052	Current LTD Bond 2012	
20400	Contractor's Retention	-22324.24
20250	Non-Potable Water Purchases	
23001	Refunds Payable	3215.08
50110	Payroll FLSA Overtime-Retro	
50010	Water Purchases & SMP	
50020	Pumping Power	-10073.70
50100	Federal Tax 941 1 st QTR	
50140	Unemployment	63.91
50153	Social Security Tax	
50200	Utilities	13300.17
50210	Communications	3439.13
50220	Outside Contracts	108662.26
50230	Professional Services	28572.50
50240	Pipeline Repairs	39268.55
50250	Small Tool & Equipment	
50260	Materials & Supplies	22978.94
50270	Repair Parts & Equip Maint	29440.41
50280	Legal Services	
50290	Dues & Subscriptions	240.00
50300	Conference & Travel	
50310	Safety & Training	
50330	Board Expenses	
50340	Bad Debt	
50350	Fees & Charges	34.75
50360	Insurance Expense	
50500	Misc Expense	
50600	Fixed Assets	
50700	Interest Expense	
	TOTAL	\$543,879.59
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Expense Approval Report

By Vendor Name Payable Dates 11/11/2021 - 12/1/2021 Post Dates 11/11/2021 - 12/1/2021

42	mber Post Date 12/01/2021	Vendor Name BONDY GROUNDWATER CONSULTING, INC. S-GSA	Payable Number 077-02-GSA	Description (Item) PM: Santa Rosa GSP	Account Name Prof services	Purchase Order I FY22-0137	\$	Amount 2125.5 2,125.50
							Ŧ	_,0.00
	M* - DEPOSIT ONLY-CAMR							
3306	11/18/2021	DEPOSIT ONLY-CAMROSA WTR	11-18-21-AP	Transfer to Disbursements Account-AP	Transfer to disbursements-hold	•		1217000
3307	11/18/2021	DEPOSIT ONLY-CAMROSA WTR	11-18-21-PR	Transfer to Disbursements Account	Transfer to disbursements-hold			116000
					Vendor *CAM* - DEPOSIT ONLY			1333000
57355	11/22/2021	AG RX INC.	98945	Weed Abatement	Outsd contracts	FY22-0153		3023.61
	11 - ALL PEST AND REPAIR,							
57356	11/19/2021	ALL PEST AND REPAIR, INC.	024949	Pest Control -VTA1-1900	Outsd contracts			600
57356	11/19/2021	ALL PEST AND REPAIR, INC.	024982	Pest Control -VTA1-7385	Outsd contracts			420
					Vendor ALL11 - ALL PEST A	AND REPAIR, INC. Total:		1020
57357	11/22/2021	ARBITRAGE COMPL SPEC, INC	G7390	Arbitrage 2016 5th Year	Prof services			1130
57358	12/01/2021	Atmospheric Analysis and Consulting, Inc.	A-24195	Outside Lab Analysis - Well Gasses	Outsd contracts			195
57359	11/29/2021	B&H FARMS LLC	00008503	Deposit Refund Act 8503- 1722 Lewis Rd	Refunds payable			1637
57360	11/19/2021	BASELINE ENTERPRISES	19155	Fuel Tank Inspection	Outsd contracts			981.75
57361	11/19/2021	BRENNTAG PACIFIC, INC.	BPI195400	Materials & Supplies - Chemicals RMWTP	Materials & Supplies-RMWTP			3651.37
Vendor: BUF	01 - BUFFUM'S							
57362	11/22/2021	BUFFUM'S	12162	Replace Locks and Keys Main Office & O&M Shop	Repair parts & equipment			411.6
57362	11/22/2021	BUFFUM'S	12165	Replace Locks & Keys - CWRF & RMWTP	Repair parts & equipment			479.43
					Vendor Bl	UF01 - BUFFUM'S Total:		891.03
Vendor: CAN	103 - Cannon Corporation							
57363	11/23/2021	Cannon Corporation	78339	4C Hydropneumatic Pump Station Design	Construction in progress	FY21-0191-R1		6785
57363	11/17/2021	Cannon Corporation	78431	Contract Inspection Services	Outsd contracts	FY22-0081		10156.75
57363	11/17/2021	Cannon Corporation	78432	Contract Inspection Services	Outsd contracts	FY22-0081		840
57363	11/23/2021	Cannon Corporation	78457	Contract Inspection Services	Outsd contracts	FY22-0081		7771.25
					Vendor CAN03 - Can	non Corporation Total:		25553
57364	11/23/2021	CENTRAL COAST TANK TESTING	19206	Fuel Tank Inspection	Outsd contracts			981.75
Vendor: LAS	02 - CINDY SALDIVAR							
57365	11/17/2021	CINDY SALDIVAR	111021	Notary - Camino Ruiz Development	Prof services			25
57365	11/30/2021	CINDY SALDIVAR	112921	Notary Services-Shea Homes	Prof services			20
					Vendor LAS02 -	CINDY SALDIVAR Total:		45
57366	12/01/2021	CLIFTON LARSON ALLEN LLP	3088503	FY20-21 Audit Serv and Investment Agreed Upon Proc	Prof services	FY21-0261-R1		500
57367	12/01/2021	CORELOGIC INFORMATION SOLUTIONS, INC	30574273	County of Ventura Assessors Parcel Information	Outsd contracts			150
57368	11/29/2021	DAVID CASTILLO	00007241	Deposit Refund Act 7241 - 4468 Calle Argolla	Refunds payable			16.86
57369	11/23/2021	DAVMAR AIR	11248	Air Compressor Maintenance	Outsd contracts	FY22-0154		3356.29
Vendor: EJH	01 - E.J. HARRISON & SONS	S INC						
57370	11/22/2021	E.J. HARRISON & SONS INC	27876	Trash Removal - CWRF	Outsd contracts			478.27
57370	11/22/2021	E.J. HARRISON & SONS INC	5384	Trash Removal - CWRF	Outsd contracts			478.27
					Vendor EJH01 - E.J. HARRI	SON & SONS INC Total:		956.54
904	11/19/2021	EMPLOYMENT DEVELOP. DEPT.	3rd Qtr 2021	Unemployment Charges Qtr Ended Sept 2021	Benefits human resources			63.91

Vendor: ENH0)1 - Enhanced Landscape D	Development, Inc				
57371	12/01/2021	Enhanced Landscape Development, Inc	73650	Landscaping	Outsd contracts	1627
57371	12/01/2021	Enhanced Landscape Development, Inc	75224	Landscaping	Outsd contracts	1627
				v	endor ENH01 - Enhanced Landscape Development, Inc Total:	3254
57372	11/22/2021	ENTERPRISE CONSTRUCTON, INC,	0000008	Fire Hydrant Deposit Refund -Adolfo Camarillo HS	Refunds payable	430.19
57373	11/29/2021	ESQUIRE PROPERTY MANAGEMENT	00001913	Final Acct Overpayment Refund	Refunds payable	56.97
Vendor: FAM0	01 - FAMCON PIPE & SUPP	LY, INC				
57374	11/30/2021	FAMCON PIPE & SUPPLY, INC	S1000067757-001	Repair Parts - Lynnwood Well	Repair parts & equipment	291.72
57374	11/22/2021	FAMCON PIPE & SUPPLY, INC	S100065965-001	Hit FIre Hydrant 9 Isabel Ave.	Pipeline repairs FY22-0152	2208.28
57374	12/01/2021	FAMCON PIPE & SUPPLY, INC	S100066977-001	Meter Repair	Repair Parts & Equipment Maintenance	1203.35
					Vendor FAM01 - FAMCON PIPE & SUPPLY, INC Total:	3703.35
57375	11/22/2021	FERGUSON WATERWORKS #1083	0758771-3	Fire Hydrants	Repair parts & equipment FY21-0239-R1	6945.51
57376	11/30/2021	Frontier Communications	November 2021	VOIP Land Lines	Communications	429.32
Vendor: FRU0	1 - FRUIT GROWERS LAB. I	INC.				
57377	12/01/2021	FRUIT GROWERS LAB. INC.	114844A	Outside Lab Analysis	Outsd contracts	150
57377	12/01/2021	FRUIT GROWERS LAB. INC.	114846A	Outside Lab Analysis	Outsd contracts	265
57377	12/01/2021	FRUIT GROWERS LAB. INC.	115030A	Outside Lab Analysis	Outsd contracts	179
57377	11/23/2021	FRUIT GROWERS LAB. INC.	115713A	GAC Project	Construction in progress	69
					Vendor FRU01 - FRUIT GROWERS LAB. INC. Total:	663
	06 - GENERAL PUMP COMP					
57378	12/01/2021	GENERAL PUMP COMPANY, INC	28951	Repair Parts - Packing Replacement	Repair parts & equipment	832.5
57378	12/01/2021	GENERAL PUMP COMPANY, INC	28953	Pump Repair RMWTP RO 2	Repair Parts & Equipment-RMWTP FY22-0166 Vendor GEN06 - GENERAL PUMP COMPANY, INC Total:	<u>13184.24</u> 14016.74
57270	12/01/2021	CMULING	S120409	AC Maintenance		155
57379	12/01/2021	GMH, Inc	5120409	AC Maintenance	Outsd contracts	155
	1 - HACH COMPANY		40700450			24.4.45
57380 57380	11/22/2021 11/22/2021	HACH COMPANY HACH COMPANY	12739153 12739342	Materials & Supplies - Reagents RMWTP Materials & Supplies - Reagents CWRF	Materials & Supplies-RMWTP Materials & supplies	314.15 220.68
57380	11/22/2021	HACH COMPANY HACH COMPANY	12739342	Materials & Supplies - Reagents CWRP Materials & Supplies for the Laboratory	Materials & supplies Materials & supplies	379.56
57380	11/22/2021	HACH COMPANY	12746859	Materials & Supplies - Reagents CWRF	Materials & supplies	104.63
57380	11/23/2021	HACH COMPANY	12748380	Materials and Supplies	Materials & supplies	120.52
57380	11/22/2021	HACH COMPANY	12750051	Materials & Supplies - Reagents RMWTP	Materials & Supplies-RMWTP	658.79
57380	11/30/2021	HACH COMPANY	12767027	Materials & Supplies for the Laboratory	Materials & supplies	173.75
					Vendor HAC01 - HACH COMPANY Total:	1972.08
57381	12/01/2021	HADRONEX INC.	19418	SmartCover Sewer Monitoring	Construction in progress FY22-0027	62973.1
905	11/17/2021	HealthEquity	fcn3xac	Consumer Driven Health Savings Plan Adm Fees 11-21	Fees & charges	14.75
57382	11/29/2021	JAIN JEFFREY CHEN	00008765	Closed Account Overpayment - 5448 Castillo de Rosa	Refunds payable	79.49
57383	12/01/2021	Janitek Cleaning Solutions-Allstate Cleaning, Inc.	43060A	Cleaning Service	Outsd contracts	1655.56
57384	11/30/2021	JULIANA HIDALGO LOPEZ	00001062	Deposit Refund Act 1062 - 5966 Paseo Encantada	Refunds payable	14.28
57385	11/30/2021	KARI WETTER	00007178	Deposit Refund Act 7178 - 5103 Corte Vistora	Refunds payable	34.05
57386	11/30/2021	KERRI M RUTHERFORD	00002714	Deposit Refund Act 2714- 1615 Old Ranch Rd	Refunds payable	78.75
57387	11/30/2021	KEVIN STANDAGE	00006726	Deposit Refund Act 6726 - 1404 La Culebra Cir	Refunds payable	1.57
57388	11/30/2021	LINDE GAS & EQUIPMENT INC	67305404	Acetylene Gas Cylinders	Materials & supplies	62.56
57389	11/29/2021	LYDIA GONZALEZ	00000923	Deposit Refund Act 923- 6328 Corte Lucinda	Refunds payable	40
57390	11/30/2021	LYNN MCKNERNEY	00000976	Deposit Refund Act 976- 869 Paseo Tosamar	Refunds payable	40.58
				•		
57391	11/30/2021	MARIO PINEDA	00004431	Deposit Refund Act 4431- 1720 Harvest Ln	Refunds payable	66.19

Vondor: MCM)1 - McMASTER-CARR SUP						
57392	11/22/2021	McMASTER-CARR SUPPLY CO	68456068	Repair Parts - Penny Well CL2	Repair parts & equipment		660.06
57392	11/22/2021	McMASTER-CARR SUPPLY CO	68633574	Repair Parts - Mast Hardware Radio Endopoints	Repair parts & equipment		489.06
57392	12/01/2021	McMASTER-CARR SUPPLY CO	68995536	Materials & Supplies - Fuses	Materials & supplies		732.72
57392	12/01/2021	McMASTER-CARR SUPPLY CO	69079055	Materials & Supplies - Well Sounding Hardware	Materials & supplies		998.71
57392	12/01/2021	McMASTER-CARR SUPPLY CO	69086136	Materials & Supplies - Fuses	Materials & supplies		370.95
57552	12,01,2021		05000150		Vendor MCM01 - McMASTER-C	ARR SUPPLY CO Total:	3251.5
57393	11/17/2021	MNS ENGINEERS, INC.	78968	Engineering Support services during construction	Construction in progress	FY21-0254-R1	813.75
57394	11/29/2021	MONICA FAVORITE	00006693	Final Acct Overpayment Refund - 5308 Corte Pico Ve	Refunds payable		84.12
57395	11/29/2021	NANCY DAHLBERG					13.24
			00005512	Deposit Refund Act 5512 - 11908 Pradera Rd	Refunds payable		13.24
	- NBS GOVERNMENT FIN		1021000100	Develop in Line Million For only duly	Ductor	5/22 0104	10142 5
57396	11/17/2021	NBS GOVERNMENT FINANCE GROUP	1021000108	Develop In Lieu Mitigation Fee schedule	Prof services	FY22-0104	10142.5
57396	11/23/2021	NBS GOVERNMENT FINANCE GROUP	921000397	Develop In Lieu Mitigation Fee schedule	Prof services Vendor NBS01 - NBS GOVERNMENT F	FY22-0104	<u>11265</u> 21407.5
						INANCE GROUP TOtal:	
57397	11/30/2021	NICHOLAS JOSEPH	00000939	Deposit Refund Act 939 - 814 Via Lorente	Refunds payable		87.75
Vendor: NOR0	7 - NORTHSTAR CHEMICAL						
57398	11/22/2021	NORTHSTAR CHEMICAL	210504	Materials Chemicals - CWRF	Materials & supplies		3468.78
57398	11/22/2021	NORTHSTAR CHEMICAL	210505	Materials Chemicals - RMWTP	Materials & Supplies-RMWTP		1728.91
57398	11/22/2021	NORTHSTAR CHEMICAL	210506	Materials Chemicals - RMWTP	Materials & Supplies-RMWTP		3989.7
					Vendor NOR07 - NORTH	STAR CHEMICAL Total:	9187.39
57399	11/17/2021	OAKRIDGE GEOSCIENCE, INC.	047-009-02	PV Well No. 2 Geotechnical Services	Construction in progress	FY22-0014	1115
Vendor: PRO0	- PROVOST & PRITCHARD	ENGINEERING GROUP INC.					
57400	12/01/2021	PROVOST & PRITCHARD ENGINEERING GROUF	PINC. 02958-20-002-b	GAC Engineering	Construction in progress	FY20-0326-R2	20950
57400	12/01/2021	PROVOST & PRITCHARD ENGINEERING GROUP	PINC. 02958-20-02	GAC CEQA	Construction in progress	FY21-0176-R1	4638.19
				Vendor PRO05	5 - PROVOST & PRITCHARD ENGINEERI	ING GROUP INC. Total:	25588.19
57401	11/23/2021	PUMPMAN INC.	11708	Pump Repair CWRF Plant Water	Repair parts & equipment	FY22-0049	2846
57402	11/30/2021	REBECCA HILL	00002135	Deposit Refund Act 2135- 185 Calle Tamega	Refunds payable		145.9
57403	11/29/2021	RICHARD BURTON	00006776	Deposit Refund Act 6776- 5289 San Francesca DR	Refunds payable		103.19
57404	11/30/2021	ROBERT HUNDT	00004392	Closed Acct Overpayment Refund - 1709 Danbury Dr	Refunds payable		27.52
Vendor: ROY03	- ROYAL INDUSTRIAL SOL	UTIONS					
57405	11/23/2021	ROYAL INDUSTRIAL SOLUTIONS	9009-1010892	SL RR SCADA Equipment	Construction in progress	FY22-0058	337.45
57405	11/23/2021	ROYAL INDUSTRIAL SOLUTIONS	9009-1011187	SL RR SCADA Equipment	Construction in progress	FY22-0058	206.99
57405	11/23/2021	ROYAL INDUSTRIAL SOLUTIONS	9009-1012774	SL RR SCADA Equipment	Construction in progress	FY22-0058	4254.82
57405	11/23/2021	ROYAL INDUSTRIAL SOLUTIONS	9009-1013778	Repair Parts - Container Lights	Repair parts & equipment		746.98
57405	12/01/2021	ROYAL INDUSTRIAL SOLUTIONS	9009-1013780	Repair Parts - SL2	Repair parts & equipment		31.33
57405	12/01/2021	ROYAL INDUSTRIAL SOLUTIONS	9009-1013903	Repair Parts - SL2	Repair parts & equipment		932.46
					Vendor ROY03 - ROYAL INDUST	RIAL SOLUTIONS Total:	6510.03
57406	12/01/2021	RT LAWRENCE CORPORATION	45052	Processing October 2021 Payment-Lockbox	Outsd contracts		748.09
Vendor: SAM0	1 - SAM HILL & SONS, INC.						
57407	11/22/2021	SAM HILL & SONS, INC.	3960	Leak Repair 1" Service	Pipeline repairs	FY22-0159	14866.85
57407	11/22/2021	SAM HILL & SONS, INC.	3961	Leak Repair 2" Blow Off	Pipeline repairs	FY22-0160	12922.96
57407	12/01/2021	SAM HILL & SONS, INC.	3964	Leak Repair 1" Service	Pipeline repairs	FY22-0167	9270.46
					Vendor SAM01 - SAM HI	ILL & SONS, INC. Total:	37060.27
Vendor: SCF01	- SC Commercial, LLC						
57408	11/22/2021	SC Commercial, LLC	1996478IN	Material & Supplies - Fuel	Materials & supplies		1355.59
57408	11/22/2021	SC Commercial, LLC	2001697IN	Material & Supplies - Fuel	Materials & supplies		1699.19
57408	11/30/2021	SC Commercial, LLC	2007463IN	Material & Supplies - Fuel	Materials & supplies		1484.95
					Vendor SCF01 - SC 0	Commercial, LLC Total:	4539.73
57409	11/29/2021	SHERYL GRANT	00007196	Deposit Refund Act 7196 - 285 Via Cantilena	Refunds payable		64.69
57410	11/22/2021	SHUMATE SERVICES, INC	21-053	Painting / Industrial Cleaning SRPH	Outsd contracts	FY22-0047	3500

10/19/02/1 SUM-FIN <uaf enson<="" td=""> November 2021 Ordit Purpuig gover Non-Natale </uaf>	Vendor: SCE0)1 - SOUTHERN CALIF. EDIS	ON						
988 11/48/2013 SDUTHEN CLUE DESCRIPTION November 2011 Proving Toward Holling Clurings Proving Toward Holling Clurings Proving Toward Holling 12223 970 12/01/2013 SDUTHEN CLUE DESCRIPTION November 2011 November 2011 Proving Toward Holling 12223 971 12/01/2013 SUMURING CLUE DESCRIPTION November 2012 November 2012 Diade Cattle Vertice 12223 9712 12/01/2013 SUMURING CLUE DESCRIPTION November 2012 November 2012 Diade Cattle Vertice 2423 9713 12/01/2013 SUMURING CLUE DESCRIPTION November 2014 November 2014 2423 9714 12/01/2013 NUMPERSON DESCRIPTION November 2014 November 2014 2423 9715 12/01/2013 NUMPERSON DESCRIPTION November 2014 November 2014 2423 9716 12/01/2013 NUMPERSON DESCRIPTION PHT November 2014 November 2014 2423 9717 12/01/2013 NUMPERSON DESCRIPTION PHT November 2014 November 2014 2423 9717 12/01/2013 NUMPERSON DESCRIPTION PHT November 2014 November 2014 2423 9718 12/01/2013 NUMPERSON DESCRIPTION PHT November 2014				November 2021	Credit	Pumping power Non-Potable			-3803.31
96 1/13/202 SOUTHER CAULE DEGON Neme 2020 Neme Caurent Laga Caurent 12833 97 1/201/2021 SOUTHER CAURÓN RA GAS Neme 2020 Nemer 2022 Caurent Augus Ca	908	11/19/2021	SOUTHERN CALIF. EDISON	November 2021	Credit				-13671.85
Under Schulz S	908	11/19/2021	SOUTHERN CALIF. EDISON	November 2021	November Current Usage Charges	Pumping Power-RMWTP			7401.46
991207, 20190, MIRET MC AUTORNIA GASNovember Usage Charges Ac: 12378717941Unlike16.7779111207, 2021SPAKET S69785-1122Bislie Folder MukeOutd Contracts62.2779121207, 2021TALLYE COMMUNCATIONS100.055Repair Fairs Lingions Rind DatationsRepair Fairs Lingions Rind Datations <t< td=""><td>908</td><td></td><td>SOUTHERN CALIF. EDISON</td><td>November 2021</td><td></td><td></td><td></td><td></td><td>13283.9</td></t<>	908		SOUTHERN CALIF. EDISON	November 2021					13283.9
Synth Dynnychi Synther Tris Addrage Addrage Durate Water Durate Contracts Addrage Synth Tynnychi Natter Tris Synthych Tris Sensinger Tris <td< td=""><td></td><td></td><td></td><td></td><td></td><td>Vendor SCE01 - SOUTHEI</td><td>RN CALIF. EDISON Total:</td><td></td><td>3210.2</td></td<>						Vendor SCE01 - SOUTHEI	RN CALIF. EDISON Total:		3210.2
1742 1742 <th< td=""><td>909</td><td>12/01/2021</td><td>SOUTHERN CALIFORNIA GAS</td><td>November 2021</td><td>November Usage Charges Act-12378717941</td><td>Utilities</td><td></td><td></td><td>16.27</td></th<>	909	12/01/2021	SOUTHERN CALIFORNIA GAS	November 2021	November Usage Charges Act-12378717941	Utilities			16.27
Weaker UNDEL SERVICE LETT OF SUTTERN CALLED SERVICE ALERT OF SOUTHERN CALLED 2017021 Monthly Dig Alert Takes Ound contracts 243 5243.3 12/01/2021 UNDREGROUND SERVICE ALERT OF SOUTHERN CALLED 2017021 Monthly Dig Alert Takes Ound contracts 243 5243.4 12/01/2021 UNRED SERVICE ALERT OF SOUTHERN CALLED 2017021 Monthly Dig Alert Takes Ound contracts 243 5243.4 12/02/2021 UNRED FIELD SERVICES CORPORATION Pmt Sector 223324.24 5743.4 11/02/2021 UNRED FIELD SERVICES CORPORATION Pmt Sector 223324.24 5743.5 12/01/2021 UNRED FIELD SERVICES CORPORATION Pmt Sector 223324.24 5743.5 12/01/2021 UNRED CORPORATION 328-1323567 Office Claming Spatrice Ound contracts 268 5743.5 12/01/2021 UNREST CORPORATION 328-1323772 Office Claming Spatrice Ound contracts 263 5743.5 12/01/2021 UNREST CORPORATION 328-1323780 Office Claming Spatrice Ound contracts 263 5743.5 12/01/2021 UNREST CORPORATION 328-1323772 <t< td=""><td>57411</td><td>12/01/2021</td><td>SPARKLETTS</td><td>4667386-112821</td><td>Distilled Bottled Water</td><td>Outsd contracts</td><td></td><td></td><td>42.92</td></t<>	57411	12/01/2021	SPARKLETTS	4667386-112821	Distilled Bottled Water	Outsd contracts			42.92
1/14/s1/20/2021UNRERGUND SERVICE LERT OF SOUTHERN CALL B3220201Monthy Dg Art Ticks Undo Outdo Outracts0/ud contracts (7.47/14/s1/22/2021UNRERGUND SERVICE LERT OF SOUTHERN CALL B3220201Monthy Dg Art Ticks Verdor UND1 - UNDEGRUNCE SCRETO722.0027/14/s1/22/2021UNRED FELD SERVICES CORPORATION PUT AR Each Day M1Put AConstruction Services Construction Services722.0027/14/s1/22/2021UNRET CORPORATION PUT AR Each Day M1Put APut ARConstruction Services722.0027/14/s1/20/2021UNRET CORPORATION PUT AR Each Day M1284.32550fifce Channes ServiceOutdo Outracts762.0037/14/s1/20/2021UNRETS CORPORATION PUT AR Each Day M1284.32550fifce Channes ServiceOutdo Outracts763.663.47/14/s1/20/2021UNRETS CORPORATION PUT AR Each Day M1284.3257.00fifce Channes ServiceOutdo Outracts763.663.47/14/s1/20/2021UNRETS CORPORATION UNRETS CORPORATION284.3257.00fifce Channes ServiceOutdo Outracts763.663.47/14/s1/20/2021UNRETS CORPORATION284.3257.00fifce Channes ServiceOutdo Outracts763.663.47/14/s1/20/2021UNRETS CORPORATION284.3257.00fifce Channes ServiceOutdo Outracts763.663.47/14/s1/20/2021UNRETS CORPORATION284.3257.00fifce Channes ServiceOutdo Outracts763.663.47/14/s1/20/2021UNRETS CORPORATION284.3257.00fifce Channes Service <td>57412</td> <td>12/01/2021</td> <td>TALLEY COMMUNICATIONS</td> <td>10401526</td> <td>Repair Parts - Endpoint Radio Antennas</td> <td>Repair parts & equipment</td> <td></td> <td></td> <td>386.17</td>	57412	12/01/2021	TALLEY COMMUNICATIONS	10401526	Repair Parts - Endpoint Radio Antennas	Repair parts & equipment			386.17
17/10 17/10/2021 UNDERGEDUND SERVICE ALERT OF SOUTHERN CLAIKER OF SOUTHERN LAIKER OF SOUTHERN LAIKER ALERT ALE SAMPLE 17/23/2021 NUMER DESTRICE CAMPANIAN 17/23/2021 NUMER DESTRICE CAMPANIAN 17/23/2021 NUMER DESTRICE CAMPANIAN 17/23/2021 17/23/2021 NUMER TO ENDRAITION <	Vendor: UND	01 - UNDERGROUND SERV	VICE ALERT OF SOUTHERN CALIFORNIA, INC						
Vendor UND3 - UNDERGROUND SERVICE ALERT OF SOUTHERN CALFORNA, INC Total: 29.39 Vendor: UND3 - UNDERGROUND SERVICE ALERT OF SOUTHERN CALFORNA, INC Total: 223.24.24 574.4 11/23/2021 UNIFIED FIELD SERVICES CONFORATION Pymt3-Ritention Retention Pymt3 Construction is progress P22.0010 22324.24 574.1 11/23/2021 UNIFIED FIELD SERVICES CONFORATION Pymt3-Ritention Retention Pymt3 Construction is progress P22.0010 22332.24 Vendor: UNI08 - UNIFIED FIELD SERVICES CONFORATION 328-1325607 Office Cleaning Service Outid contracts 258 57413 12/01/2021 UNIFIEST CONFORATION 328-1325607 Office Cleaning Service Outid contracts 68.14 57413 12/01/2021 UNIFIEST CONFORATION 328-1323745 Office Cleaning Service Outid contracts 64.53 57413 12/01/2021 UNIFIEST CONFORATION 328-1323745 Office Cleaning Service Outid contracts 64.54 57413 12/01/2021 UNIFIEST CONFORATION 328-1323745 Office Cleaning Service Outid contracts 63.54 57417 11/17/2021	57413	12/01/2021	UNDERGROUND SERVICE ALERT OF SOUTHERN C	AL 1120210201	Monthly Dig Alert Tickets	Outsd contracts			245.95
Name Name<	57413	12/01/2021	UNDERGROUND SERVICE ALERT OF SOUTHERN C	AL dsb20205872	Monthly Dig Alert Tickets	Outsd contracts			
1914 11/32 (2011) UNIRED FELD SERVICES CORPORATION Purel A pur					Vendor UND01 - UNDERGRO	OUND SERVICE ALERT OF SOUTHERN	CALIFORNIA, INC Total:		293.39
5741 11/32/021 UNIRED FLID SERVICES CORPORATION Pm3 Accession Contractor screening 2223242 57415 12/01/2021 UNIRIST CORPORATION 326 132556 Outform Claining Surplies Towel - Mat Services Outdo contracts 6.16 57415 12/01/2021 UNIRIST CORPORATION 326 132556 Uniform Claining Surplies Towel - Mat Services Outdo contracts 6.16 57415 12/01/2021 UNIRIST CORPORATION 326 132767 Olfice Cleaning Supplies Towel - Mat Services Outdo contracts 6.16 57415 12/01/2021 UNIRIST CORPORATION 326 132767 Olfice Cleaning Supplies Towel - Mat Services Outdo contracts 6.16 57415 12/01/2021 UNIRIST CORPORATION 326 132767 Olfice Cleaning Supplies Towel - Mat Services Outdo contracts 6.16 57415 12/01/2021 UNIRIST CORPORATION 326 132976 Olfice Cleaning Supplies Towel - Mat Services Outdo contracts 6.16 57417 11/17/2021 UNIRIST CORPORATION 78557 Materials Supplies Towel - Materials Supplies 78557 78557 78557 78557 Materials Supplies Materials Supplies 78557 78557 78557 78557 78557 78557 78557 78557 78557 78557 78557 78557									
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Humber - UNIDE - UNITER Unifer State St	57414	11/23/2021	UNIFIED FIELD SERVICES CORPORATION	Pymt3-Retention					
12/01/2021 UNIFINST CORPORATION 328.132560 Office Cleaning Service Outd contrads 56.14 57415 12/01/2021 UNIFINST CORPORATION 328.1327665 Office Cleaning Service Outd contrads 56.14 57415 12/01/2021 UNIFINST CORPORATION 328.1327675 Office Cleaning Service Outd contrads 56.14 57415 12/01/2021 UNIFINST CORPORATION 328.1327475 Office Cleaning Service Outd contrads 56.85 57415 12/01/2021 UNIFINST CORPORATION 328.1329371 Office Cleaning Service Outd contrads 57.85 57415 12/01/2021 UNIFINST CORPORATION 328.1329371 Office Cleaning Supplies Trovel-Mat Service Outd contrads 57.85 57417 12/01/2021 UNIFINST CORPORATION 785.95 Materials Supplies Materials & supplies 57.85 57.41 11/17/2021 USA BLUE BOOK 785.95 Materials Supplies Materials & supplies 14.80 57.85 14.80 57.85 57.41 11/17/2021 USA BLUE BOOK 785.95 Materials & Supplies Materials & supplies 14.80 57.85 14.50 57.85 14.80<					Ve	ndor UNI12 - UNIFIED FIELD SERVICI	S CORPORATION Total:		200918.19
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57415 1/0/0/2021 UNIFIRST CORPORATION 328-132745 Uniform Cleaning Surplies Towel - Mat Services Outsd contracts 5745 57415 1/0/0/2021 UNIFIRST CORPORATION 328-132747 Office Cleaning Surplies Towel - Mat Services Outsd contracts 5745 57415 1/0/0/2021 UNIFIRST CORPORATION 328-132737 Office Cleaning Surplies Towel - Mat Services Outsd contracts 65.14 57415 1/0/0/2021 UNIFIRST CORPORATION 328-132737 Office Cleaning Surplies Towel - Mat Services Outsd contracts 65.14 57415 1/0/0/2021 UNIFIRST CORPORATION 788527 Materials & Surplies Towel - Mat Services Outsd contracts 66.15 57417 1/1/7/2021 USA BLUE BOOK 788517 Choirde Standard for the Lab Materials & surplies 143.08 57417 1/1/2/2021 USA BLUE BOOK 789517 Choirde Standard for the Lab Materials & Surplies 143.08 57417 1/1/2/2021 USA BLUE BOOK 789517 Choirde Standard for the Lab Materials & Surplies 143.08 57418 1/0/1/2021 VENTURA COUNTY STAR 000417164 Public Hearing Notice-CRAR Dececon Notice-CWRF Dewateri					5				
5735 12/01/2021 UNIFRST CORPORATION 328-1327472 Office Cleaning Supplies-Towel-Mat Service Outed contracts 0uted contracts 0uted contracts 928 57415 12/01/2021 UNIFIRST CORPORATION 328-1329371 Uniform Cleaning Service 0uted contracts 0uted contracts 9616 57415 12/01/2021 UNIFIRST CORPORATION 328-132937 Uniform Cleaning Supplies-Towel-Mat Service 0uted contracts 9616 Vender: USAU - USA ULF BOOK Service - USAU - USA ULF BOOK 9616 57417 11/17/2021 USA BLUE BOOK 78557 Choirde Standard for the Lab Materials & supplies 7443 9533369 57417 11/17/2021 USA BLUE BOOK 78557 Choirde Standard for the Lab Materials & supplies 74430 963450 57417 11/17/2021 USA DULF DONKTSTAR 0004171164 Report-21-73126 Report-21-73126 Pertor USAU - USAU ULB BOOK Total: 7450 57420 12/01/2021 VENTURA REGIONAL SANITATION DISTRCT, INC 20000-8312 VENDE Point Total: S009361 993408941 Cell Point									
5745 574512/01/2021 12/01/2021UNIFIRST CORPORATION 2007 DORATION328-132937 208-1329378Uniform Cleaning Service public Cleaning Supplies - Towel-Mat ServiceOutdo contracts 0 und contracts5618 208 208 208 208 208 208 208 208 208 208Vendor: USA01-VER SUPE BOOK 208 ULF BOOK38-1329378 208 208 208Uniform Cleaning Service 208 208 208 208 208 208 208 208 208Outdo contracts 208 208 208 208 208 208 208 208 208Uniform Cleaning Service 208208 208 208 208 208 208 208 208 208 208 208 208 208 208 208 208208 <b< td=""><td></td><td></td><td></td><td></td><td>5</td><td></td><td></td><td></td><td></td></b<>					5				
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910 Mandam PERSE	12/01/2021 CAL PERS 457 PLAN	ACWA/JPIA	11-21-PR ME	Health, Dental & Vision Premium for December 2021	Medical ins.	51659.99
DFT0003642	11/18/2021	CAL PERS 457 PLAN	INV0010778	Deferred Compensation	Deferred comp - ee paid	50
DFT0003642	11/18/2021	CAL PERS 457 PLAN	INV0010778 INV0010779	Deferred Compensation	Deferred comp - ee paid Deferred comp - ee paid	6328
DF10003643	11/18/2021	CAL PERS 457 PLAN	111/0010779	Delerred Compensation	Vendor PER05 - CAL PERS 457 PLAN Total:	6378
					Vendor PEROS - CAL PERS 457 PLAN Total.	0578
DFT0003638	11/18/2021	COLONIAL SUPPLEMENTAL INS	INV0010774	Colonial Benefits	Colonial benefits	279.22
	- EMPLOYMENT DEVELOP		1010/001/0001			2072.24
DFT0003659	11/18/2021	EMPLOYMENT DEVELOP. DEPT.	INV0010804	Payroll-SIT	P/R-sit	3872.34
DFT0003663	11/18/2021	EMPLOYMENT DEVELOP. DEPT.	INV0010811	Payroll-SIT	P/R-sit	11.18
Man dam 115 402	U Ith Family				Vendor EDD01 - EMPLOYMENT DEVELOP. DEPT. Total:	3883.52
Vendor: HEA02 · DFT0003646	- HealthEquity 11/18/2021	HealthEquity	INV0010784	HSA-Employee Contribution	HSA Contributions Payable	480.84
DFT0003646	11/18/2021	HealthEquity	INV0010784 INV0010785	HSA Contributions	HSA Contributions Payable	480.84
DF10003047	11/16/2021	Healthequity	111/0010785	HSA Contributions	Vendor HEA02 - HealthEquity Total:	730.84
					vendor HEAOZ - HealthEquity Total:	/30.84
906	11/18/2021	LINCOLN FINANCIAL GROUP	INV0010780	Deferred Compensation	Deferred comp - ee paid	1900
907	11/18/2021	LINCOLN FINANCIAL GROUP	INV0010798	Profit Share Contribution	Profit share contributions	2618.42
DFT0003644	11/18/2021	PUBLIC EMPLOYEES	INV0010782	PERS-Retirement	P/R-state ret.	17388.58
DFT0003648	11/18/2021	SYMETRA LIFE INS CO.	INV0010786	Life Insurance	Life ins.	293.75
5110003040	11/10/2021	Simeraven e no co.				255.75
Vendor: UNI10 -	UNITED STATES TREASU	RY				
DFT0003656	11/18/2021	UNITED STATES TREASURY	INV0010801	FIT	P/R-fit	10371.22
DFT0003657	11/18/2021	UNITED STATES TREASURY	INV0010802	Payroll-Social Security Tax	P/R - ee social security	664.96
DFT0003658	11/18/2021	UNITED STATES TREASURY	INV0010803	Payroll- Medicare Tax	P/R - ee medicare	3146.87
					Vendor UNI10 - UNITED STATES TREASURY Total:	14183.05
57416	11/18/2021	UNITED WAY OF VENTURA CO.	INV0010773	Charity-United Way	P/R-charity	20
911	12/01/2021	UNUM LIFE INSURANCE	11-21 PR ME	Short & Long Term Disability Insurance Premium	STD & LTD	1424.74

TOTAL PAYROLL VENDOR PAYMENTS-CAMROSA

\$ 100,760.11



Board Memorandum

December 9, 2021

To: Board of DirectorsFrom: Ian Prichard, Assistant General ManagerSubject: Tier 2 Historian

Objective: Increase the security of SCADA servers.

Action Required: Authorize the General Manager to issue a purchase order in the amount of \$28,965.00 to E&M, Inc. dba Wonderware for the Tier 2 Historian server.

Discussion: The District's supervisory control and data acquisition (SCADA) system is what "automates" the District's infrastructure. The existing Wonderware Tier 1 Historian servers are the backbone of this SCADA system. They connect and collect data directly from the District's many and various controllers— on wells, reservoirs, pump stations, throughout our treatment plants, etc. This information is relayed to and supports the operator stations and other human-machine interfaces, including office workstations, where it is used to generate reports for administrative staff.

This all takes place on protected SCADA subnets; the Tier 2 Historian would provide an additional level of security between the office and the SCADA subnets. In the ever-evolving cybertechnology landscape, it is increasingly important to provide critical infrastructure with sufficient safeguards.

The District long ago standardized on Wonderware for SCADA-related technology and currently maintain a support contract with them. The Tier 2 Historian project is an approved project in the FY2021-22 budget. Additional costs will be required for outside programming from Rovisys, one of the District's preferred integrators, but the total cost is anticipated to remain below the budgeted \$65,000.00.

The Tier 2 Historian is a prerequisite for the laboratory information management system (LIMS), which is also an approved project in the FY2021-22 budget; staff has obtained a quote for the LIMS and will return to the Board at a future date for approval.

Board of Directors Al E. Fox Division 1 Jeffrey C. Brown Division 2 Timothy H. Hoag Division 3 Eugene F. West Division 4 Terry L. Foreman Division 5

General Manager Tony L. Stafford



126 Mill Street Healdsburg, CA 95448 (866) WONDER N (866) 966-3376

QUOTE

215669.2

Tier 2 Historian

11/04/2021

In Process

Ship To: CAMROSA WATER DISTRICT 7385 SANTA ROSA RD CAMARILLO, CA 93012

CAMROSA WATER DISTRICT Bill To: 7385 SANTA ROSA RD CAMARILLO, CA 93012

Thank you for the opportunity to offer you this quote!

SiteID: 112274 Camrosa Water, 7385 Santa Rosa Rd, Camrosa Water California 93012

Note: Customer Support has been prorated to be added to CS# 51262, Exp 12-21-2019

Included with Wonderware Premium Customer First Program are the following services:

- Emergency 24/7/365 Technical Telephone Support
- Wonderware Direct Technical Support: Access to technical resources at both the local distributor and directly from Wonderware
- No Charge for Version Upgrades
- Access to the Wonderware Global Customer Support Website Access: Search for answers to your questions and log and track cases
- Customer Support Shipments Including New Releases of Software, maintenance releases, Service Packs, and Patches, updates and hotfixes
- Online Training Webinars: Access to library of eLearning webinars
- Support Usage and Summary Reports: Automatically receive a monthly summary of all of your support activity
- · Software Asset Manager

Please note: Customer first support contracts START from the date of license issue and are due for renewal one (1) year after date of contract inception. Support is calculated based on the list price of all licenses at the site.

Interested in additional training? Please visit our website and view our events schedule at www.california.wonderware.com.

Access the status of your order on our Online Order Status system!! Just click on the link contained in your order confirmation to begin the login process. Once signed up you can access via www.california.wonderware.com.

Quantity	Part Number/Description	Availability*	Тах	Price	Extension
1 Line:1	HSTENT-01-N-20 AVEVA Historian 2020, Enterprise 5,000 Tag	1 Estimated	N	\$25,030.00	\$25,030.00
1 Line:2	10-7050 Add to Existing CFP #51262, Exp 12-21-2019	1 Estimated 1-2 Weeks	N	\$3,935.00	\$3,935.00
				Sub-Total	\$28.965.00

	<u>Sub-Total</u>	<u>\$28,965.00</u>
Base Quotation Pricing Summary	Taxable:	\$0.00
Availability: - Part availability is subject to change and is based on the availability at the time this quote was created.	Non-Taxable:	\$28,965.00
- Time in transit is subject to change depending on the "Ship To" address that is provided by the customer at the time the order is placed and the method in which customer requests that the part(s) ship.	Subtotal:	\$28,965.00
- For "In Stock" parts, orders must be received by 3:00PM PST to ship same day.	Гах (7.25%):	\$0.00
- For Factory Stock parts, please allow approximately one week for delivery via our standard shipping methods.	Freight:	TBD
Freight is NOT included in this total. Your final invoice may include freight charges.	TOTAL:	\$28,965.00

This quotation may contain engineering services that are subject to additional terms and

PO Number: conditions. Duration: This quote is valid for 30 days. FOB: Healdsburg, CA Freight: Prepaid and Add Terms: Net 30 Days Pages: 1 of 1 Remit to: E&M, Inc. 126 Mill Street, Healdsburg, CA 95448

california.wonderware.com

Direct Opp

CAMROS

Attn: Kevin Wahl **CAMROSA WATER DISTRICT** direct (805) 482-8673 main ()

fax

From: Carla Brown

carla.brown@california.wonderware.com

direct (707) 473-3163 main (866) 966-3376 (707) 473-3190 fax



Board Memorandum

December 9, 2021

To: General Manager

From: Terry Curson, District Engineer

Subject: Tierra Rejada Well Rehabilitation Project, Specifications No. PW21-03

Objective: Authorize Change Orders for additional cleaning, pump installation, and specialty inspection at Tierra Rejada Well.

Action Required: It is recommended that the Board of Directors:

- 1) Authorize additional funding in the amount of \$30,000.00 for the Tierra Rejada Well Rehabilitation; and
- 2) Authorize the General Manager to award two Change Orders to General Pump Company, in the combined amount of \$62,691.23, for additional out-of-scope work for the rehabilitation of the Tierra Rejada Well in accordance with Specifications No. PW21-03; and
- 3) Authorize a Change Order to Hopkins Groundwater Consulting (Hopkins) for additional out of scope hydrogeological inspection and administrative services in the amount of \$5,490.00.

Discussion: Hopkins Groundwater Consulting was contracted to re-evaluate the Tierra Rejada Well, identify the issues related to declining production, and provide an overall long-term rehabilitation plan. The declining basin levels have greatly impacted the available drawdown above the current well's pump setting. Based on Hopkin's analysis and report, it was decided to perform additional analysis of the well and well formation, along with replacing the existing pump and lowering the pump setting by approximately 100 feet to increase capacity.

In August of 2021, the Board authorized awarding a contract to General Pump Company (General Pump) to rehab the well. Prior to removing the existing pump, a spinner log and dynamic video were performed by Pacific Surveys and the information submitted to Hopkins for review. The original scope for General Pump was to perform a general brushing and disinfection of the well; however, because of the video findings and current condition, both General Pump and Hopkins recommended a more complete cleaning process that includes brushing, airlifting, chemical disinfection, and follow-up video. During this work, specialty inspection services are required along with other administrative tasks.

It should also be noted that the existing 8-inch column pipe was expected to be reused and placed back into the well along with the new pump. After removal, it was observed that the casing pipe exhibited extensive corrosion and pitting, and General Pump recommended replacing the pipe. District staff concurred and is currently reviewing options and will come back to the Board later with additional costs to replace the 8-inch column pipe.

As part of the original scope, a new pump and motor have been ordered, and tentative delivery dates are expected around the end of February. However, based on recent experiences, it is anticipated that this delivery date may be delayed. District staff recommends cleaning of the well now and installing a

Al E. Fox Division 1 Jeffrey C. Brown Division 2 Timothy H. Hoag Division 3 Eugene F. West Division 4 Terry L. Foreman Division 5

Board of Directors

General Manager Tony L. Stafford temporary pump to return the well to production in the interim and offset imported water until the new pump arrives and can be installed.

This project is an approved Capital Improvement Project and the approximate project costs are listed as follows:

Hydrogeological Design/Inspection Services (Note: additional expenditures were charged against the prior year operational budget in the amount of \$13,818.75)	\$ 9,641.25
Well Rehabilitation/Construction	\$222,223.00
Additional cleaning	\$ 32,925.50
Additional pump installation/removal	\$ 29,765.73
Additional Specialty Inspection Services/Spinner overview	<u>\$ 5,490.00</u>
Total revised Project Cost:	\$300,045.48
Total Budget	\$295,000.00
Additional Funding	\$ 30,000.00

Additional funding is available from the District's Potable Water Capital Improvement Fund.



934 W. VERDULERA STREET - CAMARILLO, CA 93010 PHONE: (805) 482-1215 - FAX: (805) 484-2135

WELL & PUMP SERVICE SINCE 1952

"Serving All Southern California and Central Coast!"

Lic. #496765

November 29, 2021

Camrosa Water District 7385 Santa Rosa Road Camarillo, California 93012

Attn: Terry Curson

Subject: Tierra Rejada Change order for Wire-Brushing-Airlift Swab and additional Chemicals

General Pump Company, Inc. (GPC) is pleased to provide this estimated cost for the additional work described by Hopkins Groundwater. We have also added a post video to the scope after speaking with Curtis. The additional estimated cost is as follows:

Shop Time:

Load-Unload materials and equipment as needed.Engineering support	10 Hours	20 Hours Included
20 Hours Total Estimated Shop Labor	@ \$112.00/Hour	<u>\$2,240.00</u>

Field Labor:

- Brush well 16-inch well casing (250 to 310 feet) and 10-inch well screen between the depths of 310 and 510 feet to dislodge slime and mineral deposits.
- Dual Swab airlift well from 510 to 280

10 Hours 2 Man Crew and equipment @ \$484.00/Hour	\$4,840.00
30 Hours 3-Man Crew and equipment @ 624.00/Hour	\$18,720.00

Total Field Labor <u>\$23,560.00</u>

Materials/Rentals (Non Taxable);

	Total Materials/Rentals (Non-Taxable)	\$3,965.00
٠	Rental of Air Compressor for airlift development	\$1,137.00
٠	Airlift Pipe and tool rental	\$928.00
٠	Swab Rental	\$950.00
•	Brush Rental	\$950.00



Materials/Rentals (Taxable);

Fuel for Air Compressor	\$364.00
Additional 45 gallons Chlorine added to original mixture	\$591.00
Estimated Freight	\$445.00
• Estimated Local Taxes at 7.25%	\$45.50
Total Materials/Rentals (Taxable)	<u>\$1,445.50</u>
Outside Services;	
Additional Video	\$1,715.00
• Total Outside Services	\$1,715.00
Total Estimated Project cost	<u>\$32,925.50</u>
	1

Should you have any questions or need additional information regarding the above summary and associated costs, please do not hesitate to contact us.

Sincerely,

GENERAL PUMP COMPANY, INC.

Ray Reece General Manager



934 W. VERDULERA STREET - CAMARILLO, CA 93010 PHONE: (805) 482-1215 - FAX: (805) 484-2135

WELL & PUMP SERVICE SINCE 1952

"Serving All Southern California and Central Coast!"

November 30, 2021

Lic. #496765

Camrosa Water District 7385 Santa Rosa Road Camarillo, California 93012 *Attn*: Terry Curson

Subject: Tierra Rejada Change order to install either the original pump or a temporary pump in the well until the final pump arrives.

General Pump Company, Inc. (GPC) is pleased to provide this estimated cost for the additional work described by Hopkins Groundwater. We have also added a post video to the scope after speaking with Curtis. The additional estimated cost is as follows:

Shop Time:

Engineering support	10 Hours	Included
30 Hours Total Estimated Shop Labor	e @ \$112.00/Hour	<u>\$3,360.00</u>

Field Labor:

• Install temporary submersible test pump to 383' and then remove after new pump is ready for install.

40 Hours 3-Man Crew and equipment @ 624.00/Hour	\$24,960.00
Total Field Labor	<u>\$24,960.00</u>
<u>Materials/Rentals (Taxable);</u>	
Replacement SST Airline	\$941.00
Electrical components to connect motor leads	\$137.00
• Miscellaneous consumables including fittings, tape, banding etc.	\$146.00
Estimated Freight	\$124.00
• Estimated Local Taxes at 7.25%	\$97.73
Total Materials/Rentals (Taxable)	<u>\$1,445.73</u>

Total Estimated Project cost\$29,765.73

Should you have any questions or need additional information regarding the above summary and associated costs, please do not hesitate to contact us.

Sincerely,

GENERAL PUMP COMPANY, INC.

Ray Reece General Manager



November 22, 2021 Project No. 14-005-02

Camrosa Water District 7385 Santa Rosa Road Camarillo, California 93012

Attention: Mr. Terry Curson District Engineer

Subject: Proposal for Additional Services for the Tierra Rejada Well Rehabilitation Project.

Dear Mr. Curson:

Hopkins Groundwater Consultants, Inc. (Hopkins) is pleased to provide this proposal for professional consulting services to assist the Camrosa Water District (District) with additional work to continue the Tierra Rejada Well rehabilitation work. Based on the preliminary work performed to date, it is our understanding that the District desires to perform down hole cleaning work to remove mineral precipitate and bacterial fouling and to facilitate the subsequent well disinfection effort. The additional work provided by Hopkins will include observation and documentation during downhole brushing and airlift removal of materials from the well. Upon completion of the well cleaning work, Hopkins will coordinate and observe performance of a down hole video to document well condition. The amount of time required to complete this effort is estimated to require approximately 30 man-hours of staff professional time. We recommend a project budget of \$4,650 be established for this component of work which will be designated as Task 6 for project organization and billing purposes. It is our understanding the District desires our participation in a future Board of Directors meeting for which we estimate up to 3 hours of effort for preparation and participation and a budget of \$840.

We trust this proposal is responsive to the needs of the District and as always, Hopkins is pleased to have this opportunity to be of service. If you have questions or need any additional information, please give us a call.

Sincerely,

HOPKINS GROUNDWATER CONSULTANTS, INC.

Curtis J. Hopkins ' Principal Hydrogeologist

C:\HGC\Job Files 2021\14-005-02\Admin\Proposal 11-23-21.doc



Board Memorandum

December 9, 2021

To:General ManagerFrom:Terry Curson, District Engineer

Subject: Reservoir 4C Welded Steel Tank and Hydro-pneumatic Pump Station Replacement Update

Objective: Complete the design for system improvements at the District's 4C site.

Action Required: It is recommended that the Board of Directors accept District staff's findings and recommendation to proceed with the design of Alternative No.1; replacement of the 4C Hydropneumatic Pump Station and one-million-gallon 4C Reservoir in kind.

Discussion: On January 14, 2021, the Board of Directors authorized the General Manager to enter a contract for design services with Cannon Corporation for replacement of Reservoir 4C's welded steel water tank and hydro-pneumatic pump station. As a condition of the award process, the Board directed staff to initiate a more comprehensive assessment of the existing facilities that directly serve Pressure Zone 4. These facilities include, but are not limited to Pump Station 3, Pump Station 5, Pressure Reducing Station BR, 4C Hydro-pneumatic Pump Station, Reservoir 3C, and Reservoir 3D. In addition, the analysis included evaluation of alternative facilities or options along with recommendations. Cannon Corporation contracted with a sub-consultant, Akel Engineering, to perform analysis (Akel Report), which is complete, along with other draft results related to geotechnical conditions, preliminary design layouts, and overall engineering recommendations.

Executive Summary & Recommendation

The Akel Report looked at a few options/alternatives related to replacing the 4C Reservoir and 4C Hydro-pneumatic pump station project that included: *Alternative 1* - replacing the facility "in-kind"; *Alternative 1A* - Replacing the facility with increased storage capacity resulting from a high fire hazard zone designation; or *Alternative 2* - eliminate the existing storage tank and convert Zone 3 and 4 into hydro-pneumatic pumping zones.

Although all these options are feasible, staff recommends <u>Alternative 1</u>. The original proposed design criteria is considered the most practical and feasible project. Upsizing the 4C Hydro-pneumatic Pump Station and replacing the existing 1-million-gallon reservoir tank will provide the necessary operational, emergency, and fire flow storage to meet current District and other waterworks standards. The other two alternatives are listed below but are not recommended by staff.

<u>Alternative 1A</u> would provide additional storage for what is considered a Very High Fire Hazard Area, however, given the redundancy of pumping to Zone 4 through Pump Station 3 and 5, along with the identified geological conditions, this option is not necessary, and therefore not recommended.

<u>Alternative 2</u> is impractical and considered a poor operational/engineering alternative compared to constructing a water system that provides on-site storage and gravity flow. These sites are highly congested and the pumping and ancillary equipment is located significantly closer to the existing

Board of Directors AI E. Fox Division 1 Jeffrey C. Brown Division 2 Timothy H. Hoag Division 3 Eugene F. West Division 4 Terry L. Foreman Division 5

General Manager Tony L. Stafford southern slope. Any additional work within these sites would most likely encounter the same geohazards as identified in the slope stability analysis. Staff does not recommend this option.

System Analysis

The Akel Report utilized current usage and demands based on the District's potable water model recently completed by Water System Consultant's (WSC) in late 2020. The Akel Report recommended baseline usage in addition to other recommended components, such as:

Operation Storage	Operational Storage based on pump station and meter station tank level controls as simulated in the water model.
Fire Flow	Low Density Residential, 1500 GPM for 2 hours
Emergency Storage	Maximum Day Demand (MDD) for 24 Hours
Additional Proposed Emergency Storage	MDD for 12 Hours because of Very High Fire Severity Zone (VHFSZ)

The Akel Report looked at current usage related to average day, maximum day, and peak hour demands along with current fire flow standard requirements. From the usage information and recommended Operational, Emergency, Fire Flow and additional Emergency storage, an evaluation was performed that looked at several alternatives, including a "No Tank" alternative.

The existing Reservoir 4C tank and hydro-pneumatic pump station are located along Priscilla Road within Pressure Zone No. 4. Along with these facilities, the County of Ventura operates and maintains a communication facility comprised of an equipment building, generator, radio, and antenna site. This zone is serviced by a single 1.0-million-gallon welded steel water tank that was designed and built in 1967. Other than exterior coating, the tank does not appear to have had any other interior or exterior modifications including interior recoating during its lifetime. Between 1990 and 2017, several seismic analysis and tank condition reports had been prepared, along with the most recent, that identified Reservoir 4C as a poor candidate for retrofitting. Complete replacement is recommended.

The hydro-pneumatic pump station (Hydro) is located next to Reservoir 4C and was built in 1975. The Hydro serves a small pressure zone known as the 4C Hydro that includes approximately 30 homes. The Hydro consist of two constant-speed 25 HP pumps, a hydro-pneumatic tank, surge tank on the suction line, and various electrical switchgear and controls. Except for general maintenance over the last 45 years, the Hydro has not been refurbished and is at the end of its useful lifespan. In addition, the Hydro does not meet the District's current fire flow standards. As part of the project scope, staff will be looking at a few different design alternatives that include a skid mounted pre-packaged unit along with VFDs; diesel-driven fire pumps' updated emergency standby generator; and a permanent structure to house the switchgear, controls, and pumps, to mitigate pump noise, and to protect electrical and mechanical components from the weather.

The Akel Report identified several alternatives known as Alternative 1, Alternative 1A, and Alternative 2 (no tank), and are summarized as follows:

<u>Alternative 1</u>: This alternative is considered the baseline scenario and involves replacing the reservoir tank "in-kind" along with increasing the existing sub-standard fire flow capacity of the 4C Hydro-pneumatic Pump Station.

<u>Alternative 1A</u>: This alternative is like alternative 1, with the exception that Zone 4 has been identified as a Very High Fire Hazard Severity Zone (VHFHSZ). An additional storage volume (12 hours of MDD) for areas within VHFHSZ with minimal supply redundancy is proposed and would add an additional 200,000 gallons to the reservoir tank's capacity.

<u>Alternative 2</u>: This alternative evaluates the 4C zone with the removal of the existing 4C Reservoir Tank and converting the 4C Pressure Zone into an exclusive hydro-pneumatic zone. By removing all storage requirements, storage capacity would need to be transferred to Zone 3 and would require additional pumping capacity to meet peak hour demands along with a minimum 1500 GPM fire flow at Pump Station No. 3. Improvements would also be required for the 4C Hydro-pneumatic pump station. An additional alternative that is not formally identified would abandon the existing 4C site and include the addition of a new one-mile waterline in Presilla Road. Regardless, several other additional facilities consisting of several surge tanks, pumps, and fire pumps would be required.

Geotechnical Slope Stability Analysis

The 4C Reservoir, 4C hydro-pneumatic pump station, and Ventura County Sheriff's communication station, located on what is known as the 4C Site is near the Simi-Santa Rosa Fault, but outside of the area requiring a fault analysis. However, as part of the geological site investigation, a slope stability analysis was completed to determine if the 4C Site meets the current Ventura County Grading Ordinance. The Grading Ordinance does not provide specific guidelines on how this analysis is to be completed, other than referencing other geotechnical guidelines developed by the State of California (California Geologic Survey, CGS Special Publication 117A). In most instances, the Ventura County guidelines are in general agreement with the CGS SP117A slope stability guidelines published in 2007. The Reservoir 4C was originally constructed in 1967 and the hydro-pneumatic pump station facility was completed in 1975. The Ventura County Sheriff's communication facility was added around 1997.

In August 2021, Oakridge Geoscience conducted their geological survey that utilized a hollow stem auger drill hole, along with other published maps, various data, and topographic surveys provided by the District. For these areas along Presilla Road, the geological bedding planes are generally more favorable regarding the south slope compared to the north slope for stability. All the District's pumping and storage facilities in this area are located adjacent to the south slope. As previously mentioned, the County ordinance does not provide specific guidelines in carrying out the slope stability evaluation; however, it does identify certain Factors of Safety (FS) related to the static and pseudostatic (seismic) evaluations. These guidelines typically require a minimum static factor of safety of 1.5 and pseudostatic factory of safety of 1.0.

Several static and pseudostatic slope stability evaluations were performed at the 4C Site and can be found in the attached draft report under Table 2. In summary, the static Factor of Safety was calculated at 1.17 and 1.19 at the edge of the slope and adjacent to the proposed tank location, respectively. The pseudostatic Factor of Safety were 0.98 and 1.10 at the edge of the tank and 10-feet south of the tank, respectively. In most cases these factors are below the FS of 1.50 and 1.0.

Except for some minor superficial erosion on the southwest corner of the property, which was stabilized in the early 1990s, there has been no visual observation or other indication of subsidence or damage to any of the facilities related to geological movement.

Typically, slope stability hazards are mitigated by either adjusting the location of the facility within the site, over-excavating and recompacting the adjacent slope, structurally supporting the site with the installation of piles or other structural elements or implementing other project approaches.

These mitigation options are discussed in more detail as follows:

- 1. <u>Setback from Hazard</u>: Based on the slope analysis, any facilities constructed within the site would have to be moved to the northside of Presilla Road. This would require the acquisition of additional property and based on current mapping and geologic site conditions, there are greater geohazards on the northern slopes. This option does not appear feasible.
- 2. <u>Grading Solution</u>: This involves over-excavating the site with the removal of soil material and replace it with compacted fill or soil buttress. The existing descending slope is at least 300 feet high. To build back at a 2:1 slope with benching, this would require the acquisition of a

significant amount of property and the movement of millions of yards of earth material. This option does not appear feasible.

- 3. <u>Structural Solutions (Piles)</u>: Structural solutions usually include poured in placed or driven piles to support and strengthen the soil materials within the slope to improve strength and increase the Factor of Safety. Preliminary estimates would involve piles near the slopes edge at approximately 180 feet and 410 feet deep at the structures. This option does not appear feasible.
- 4. <u>Ground Improvements</u>: Another solution could involve the strengthening of the soil material beneath the site using soil cement or other treatment method. This method is somewhat problematic as it is difficult to determine the extent of the scope to confirm the results and the estimated costs would be impractical. This option does not appear feasible.

Camrosa is a self-governing agency, and in accordance with California Government Code, Section 53091, "Building or Zoning Ordinances of a County or City shall not apply to the location or construction of facilities for the production, generation, storage or transmission of water, wastewater, or electrical energy by a local agency." Both Akel Engineering and District staff recommend to proceed with the project as originally proposed (Alternative 1) and replace the existing reservoir tank with a new 1.0 million-gallon tank and reconstruct the existing hydro-pneumatics pump station to include additional fire flow capacity.

It is worth noting that during the last 55 years of operation, no movement or settlement of the site has been observed. Regardless of the alternative selected, the geotechnical report recommends that a minimum of 4 permanent survey markers around the reservoir foundation and four permanent survey markers along the top of the slope should be installed. Following the installation, an annual survey monitoring program along with periodic site observations be performed following any geohazard event such as a seismic event or heavy rainfall. It is expected that these survey markers and monitoring program guidelines will be added to Cannon's scope of work during the design.



CAMROSA WATER DISTRICT

TECHNICAL MEMORANDUM

PRESSURE ZONE 4C TANK AND PUMP STATION ANALYSIS

Preliminary

October 2021





October 19, 2021

Cannon 11900 West Olympic Blvd, Suite 530 Los Angeles, CA 90064

Attention: J. Eric Porkert, P.E. General Manager/Senior Principal Engineer

Subject: Technical Memorandum – Pressure Zone 4C Tank and Pump Station Analysis

We are pleased to submit this technical memorandum documenting the Pressure Zone 4C and Hydropneumatic Pressure Zone Facility Analysis study. Camrosa Water District (District) is in the process of replacing a 1.0 MG reservoir tank and hydropneumatic pump station within its 4C & 4C Hydro Pressure Zones (PZ 4C & 4C Hydro) that are outdated and have exceeded their useful lifespans.

The following memorandum documents the evaluation of the pumping requirements, storage capacity requirements, and a hydraulic analysis using a recently completed water model to simulate facility alternatives.

1.0 SYSTEM PERFORMANCE AND DESIGN CRITERIA

The District's performance and design criteria, which was used in this analysis for identifying system capacity requirements for storage reservoirs and booster stations is documented on **Table 1** and summarized as follows;

- **Storage Requirements**: The total storage is the summation of operational (field operating range), fire (varies), and emergency (Maximum Day Demand for 24 hours).
- **Distribution Mains**: The maximum pipeline velocities are to not exceed 5 feet per second (ft/s)
- **Pump Station Requirements**: Meet Maximum Day Demand (MDD) plus required fire storage replacement pumping over 72 hours with largest unit out of service and hydropnumatic systems must meet peak hour demands and include fire flow.
- **Service Pressures**: Minimum pressures are to be greater than 45 psi during peak hour demands and greater than 20 psi during MDD plus fire flows.

2.0 HYDRAULIC ANALYSIS ALTERNATIVES

The hydraulic analysis included the following alternatives;

- **Existing System (Baseline)**: This scenario is to establish a baseline of system operations, minimum pressures and available fire flows.
- Alterative 1 New 4C Tank and 4C Hydro Fire Pump: This alternative includes an upgraded 4C hydro pump station including a fire flow pump and a new 4C Storage Tank based on the currently adopted tank storage requirements.
- Alternative 1A New 4C Tank (VHFHSZ Requirement) and 4C Hydro Fire Pump: This alternative includes a new 4C hydro pump station including a fire flow pump and a new Zone 4C Storage Tank based on the proposed additional storage requirement for pressure zones within the Very high Fire Hazard Severity Zone (VHFHSZ) as documented on Table 1. Due to previous fires (Thomas and Woolsey) plus increased woodland/urban interface, an additional emergency storage volume (12 hours of MDD) for areas within the VHFHSZ is proposed, which could be required for zones that are deemed high risk due to little supply redundancy/reliability.
- Alternative 2 New 4C Hydropneumatic Zone (remove Tank 4C): This scenario included removing Tank 4C and converting the existing 4C Pressure Zone to a hydropneumatic zone.

 Table 2 documents the scenarios simulated for each alternative in the hydraulic model.

3.0 STORAGE CAPACITY REQUIREMENTS

The storage analysis for this evaluation is documented on Table 3 and summarized as follows;

- Alternative 1: Using the existing storage capacity requirements, the Zone 4C tank requirement = 1.0 MG
- Alternative 1A: When adding the VHFHSZ requirement, Zone 4C will require a 1.2 MG tank.

Zone 4C Fire Storage Impact: An extra 0.23 MG is required and can be viewed as a 1,500 gpm fire for 4.6 hours (+2.6 hours).

Zone 3D Fire Storage Impact: An extra 0.06 MG is required and can be viewed as a 1,500 gpm fire for 2.6 hours (+0.6 hours).

• Alternative 2: If Zone 4C is converted to a hydro zone, storage requirements will need to accounted for in Zone 3. With the additional storage requirements on Zone 3, there will still be a surplus of 1.12 MG (a reduction from the existing 1.59 MG surplus).

4.0 PUMPING CAPACITY REQUIREMENTS

The pumping capacity analysis for this evaluation is documented on **Table 4** and summarized as follows;

- Alternative 1 and 1A:
 - Zone 4C (Pump Station 3) has a surplus pump capacity of 237 gpm (not including PS5 capacity due to lack of redundant pump at that station)
 - 4C Hydro is deficient during fire flows and requires a 1,500 gpm fire pump upgrade.
- Alternative 2:
 - Zone 4C (Pump Station 3) will be deficient for both domestic demands and fire flow.
 Since Tank 4C is removed in this alternative, an 800 gpm domestic pump station (firm capacity) will be required for to account for Zone 4C peak hour demands and 4C hydro pump firm capacity. Also required is a new 1,500 gpm fire pump at BS 3.

Please note 4C Hydro has a theoretical peak hour demand of 105 gpm and an existing pumping capacity of 348 gpm. Camrosa staff have indicated that flows at the existing 4C hydro reach up to 473 gpm with spikes of 656 gpm. Since this flow is larger than what is currently in the model, it should be verified and potentially will need to be incorporated into the design capacity of the BS 3 and 4C Hydro pump stations for this alternative.

• 4C Hydro is deficient during fire flows and requires a 1,500 gpm fire pump upgrade.

5.0 HYDRAULIC ANALYSIS

A calibrated hydraulic model provided by Camrosa Water District was utilized to perform analysis for peak hour demands and maximum day demand plus fire flow to determine the system impacts to pressures, fire flows, and operations. Table 2 documents the alternatives and scenarios included in the evaluation.

Existing System (Baseline Scenarios):

Two scenarios were simulated for the existing system to establish a baseline;

• **Peak Hour Demands: Figure 2** documents the minimum pressures observed during peak hour demands with the existing system. The model indicates service pressures in Zone 3D, 4C, and 4C hydro are above the criteria of 45 psi. The lowest pressure of 4 psi occurs near the suction of 4C hydro pump station.

• **Maximum Day Demands plus Fire Flows: Figure 3** documents the available fire flow at 20 psi residual pressure during maximum day demands. Pressure Zone 4C hydro is unable to meet the 1,500 gpm fire flow due to not having a fire pump.

Alternative 1 and 1A: New Tank 4C

- Peak Hour Demands: No change from baseline
- **Maximum Day Demands plus Fire Flows:** For this scenario a new 1,500 gpm fire pump was included at the 4C Hydro Pump Station. Figure 4 documents the available fire flow at 20 psi residual pressure during maximum day demands. The available fire flow in 4C hydro now meets criteria.

The peak hour pressures and available fire flows are identical between Alternative 1 and 1A; the only difference would be a longer duration of fire flow in 1A due to the additional VHFHSZ storage requirement.

Alternative 2: New Hydropneumatic 4C Zone (Remove Tank 4C)

In Alternative 2, the 4C tank will be abandon and Zone 4C will be converted to a hydropneumatic zone, resulting with existing 4C Hydro Zone connecting to the newly created hydro zone.

- **Peak Hour Demands: Figure 5** documents the minimum system pressures if Tank 4C were abandon and the 4C zone was converted to a hydro-pneumatic zone. During peak hour demands, pressures near the 4C hydro pump station drop to 0 psi. The pressure controls at the new BS3 station would need to be raised approximately 5-10 psi to mitigate these low pressures, however it will also raise pressures in the rest of the system.
- Maximum Day Demands plus Fire Flows: Figure 6 documents the fire flow pressures if Tank 4C were abandon and the 4C zone was converted to a hydro-pneumatic zone. During the 1,500 gpm fire flow, pressures near the 4C hydro pump station drop to 0 psi. The pressure controls at the new BS3 station would need to be raised approximately 15-20 psi to mitigate these low pressures, however it will also raise pressures in the rest of the system.

In this alternative there is a potential for harmful pressure surges in Zone 4C. In the absence of a thorough surge analysis, new hydro tanks would be required at the discharge of BS3, suction of 4C Hydro, and the discharge of BS5.

6.0 ANALYSIS SUMMARY AND RECOMMENDATIONS

Converting the 4C Zone to a hydropnumatic system (Alternative 2) could create potential surge problems and would require further surge analysis to determine proper surge tank sizes and system operation. Another potential issue is having the existing 4C hydro zone connected to the new hydro zone. Pump station operations, especially during a fire flow in the existing 4C hydro, could cause pressure and supply issues. Additionally, pressures near the existing 4C Hydro pump station can

potentially fall below 0 psi during high demands (potential cavitation at 4C hydro). These may be mitigated by raising the HGL of the pressure zone, however minimum pressure in 4C already exceed 100 psi in some areas during peak hours.

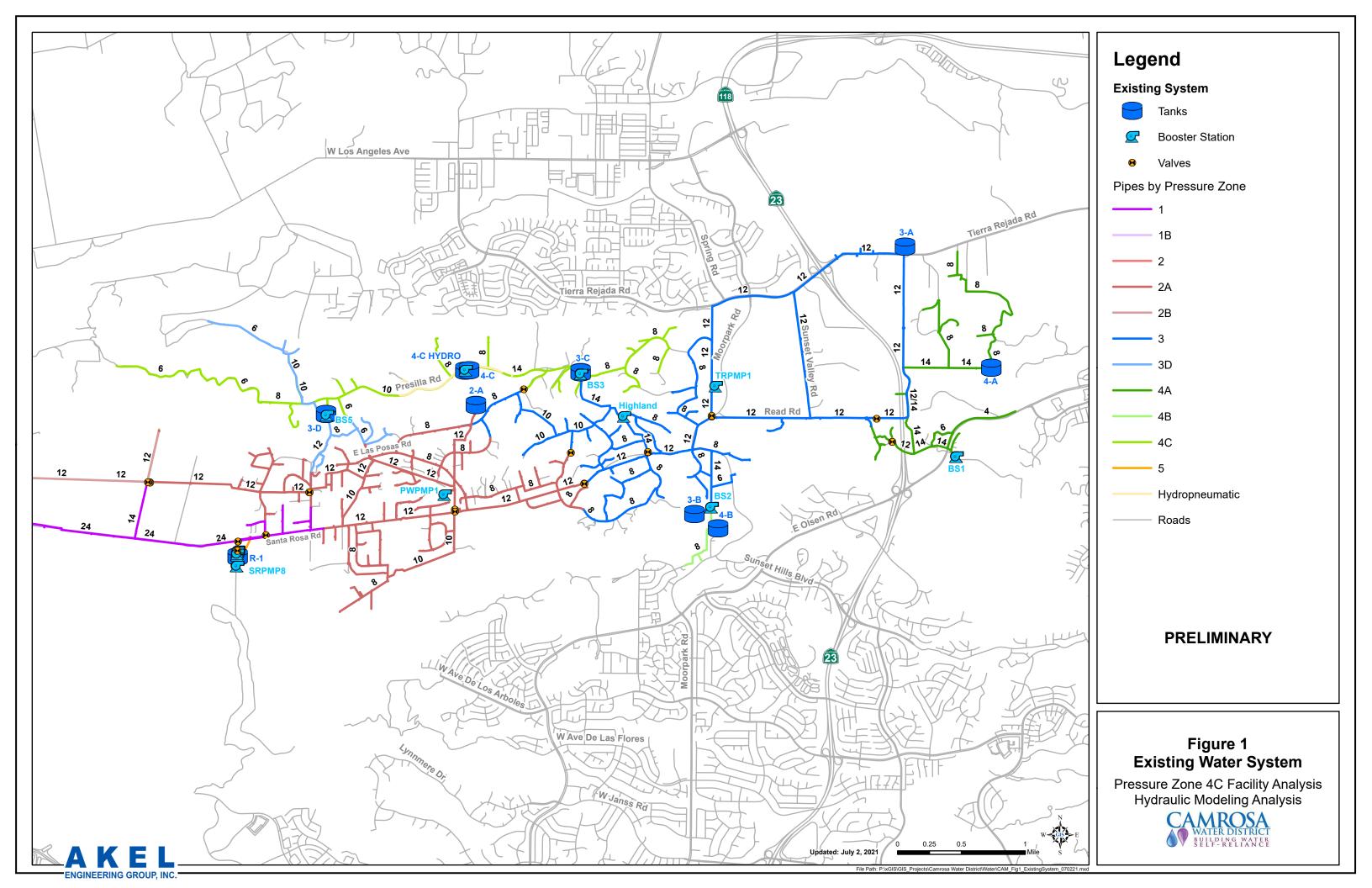
The hydraulic analysis indicates the recommended option is Alternative 1, which is constructing a New 1.0 MG 4C tank, a new 1,500 gpm fire pump for the 4C Hydro Zone with an emergency generator. This alternative adheres to the criteria Camrosa Water District has adopted for pump stations, pipelines, and storage capacity. Also, having a gravity storage tank provides operation staff reliability for day to day operations and during emergency or fire flow situations. The recommended improvements for each alternative are documented on Table 5.

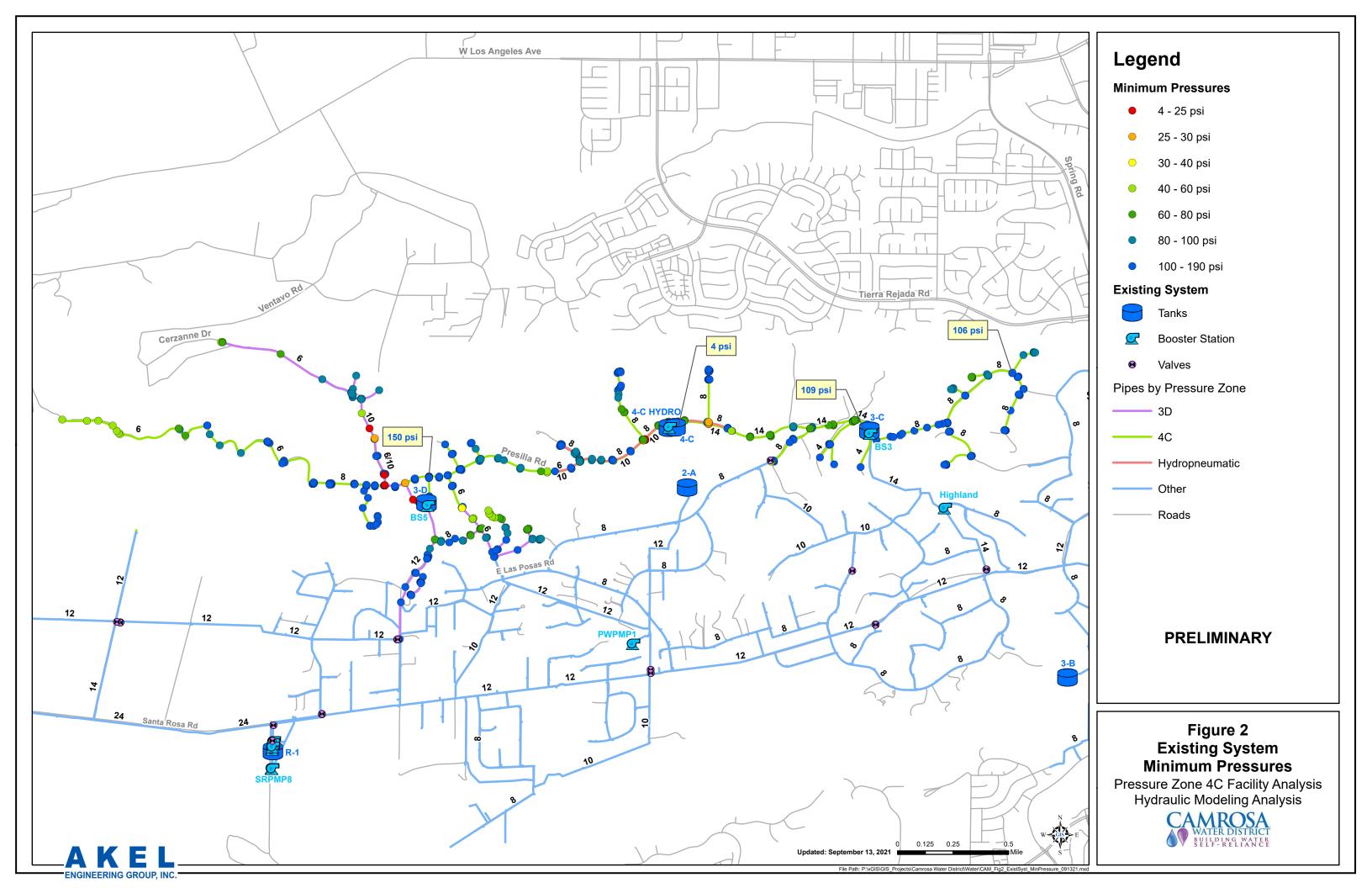
If Alternative 1 is deemed impractical, another option would be to abandon Tank 4C, convert Zone 4C to a hydro zone, move the existing 4C hydro pump station to the BS3 site (new 4C hydro pumps would be required), and construct 1 mile of pipeline to connect 4C hydro to Zone 3. This option would mitigate the low pressures at the suction side of 4C hydro and solve the difficult operations of having 2 hydro zones linked to each other.

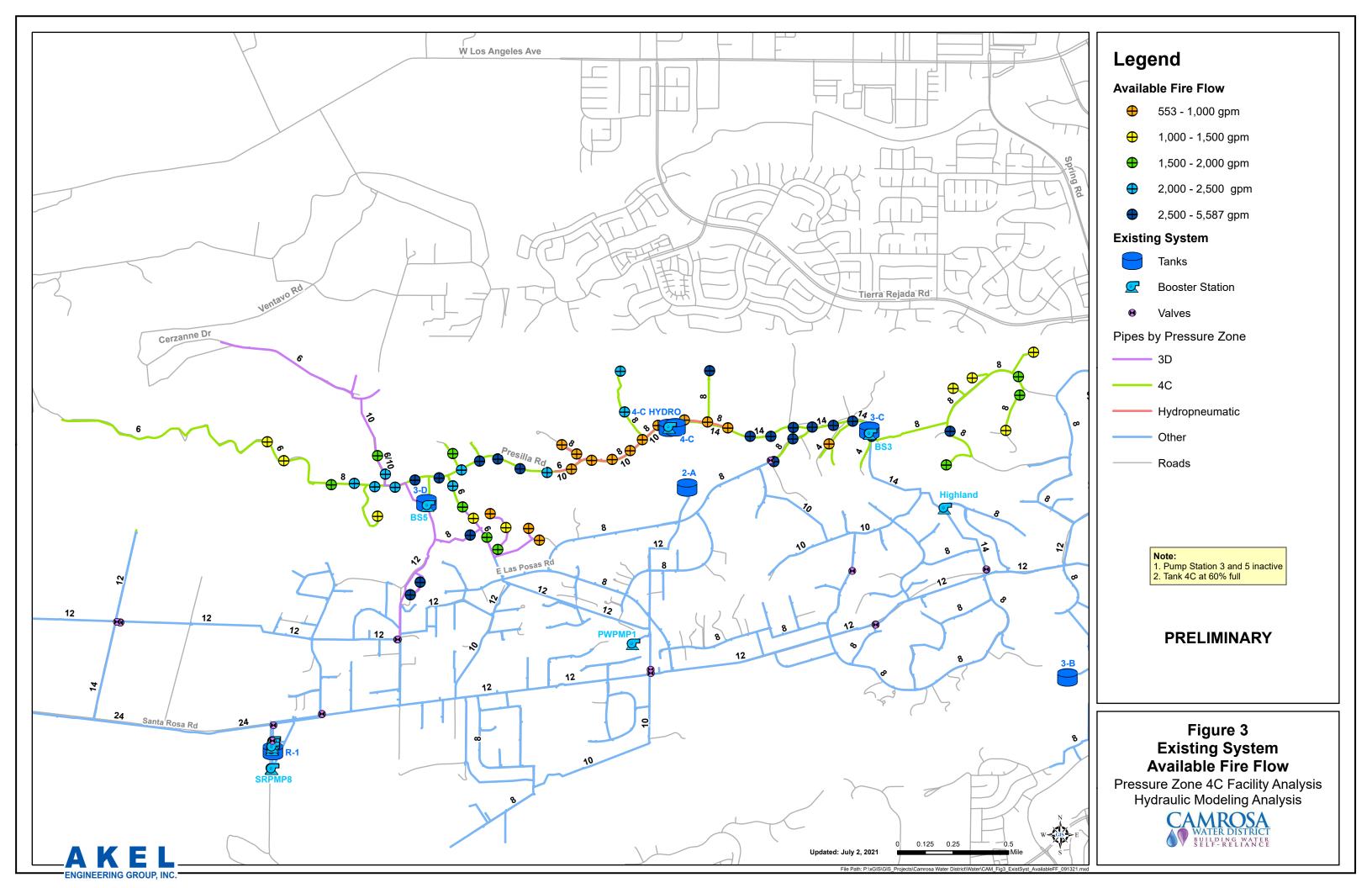
Sincerely,

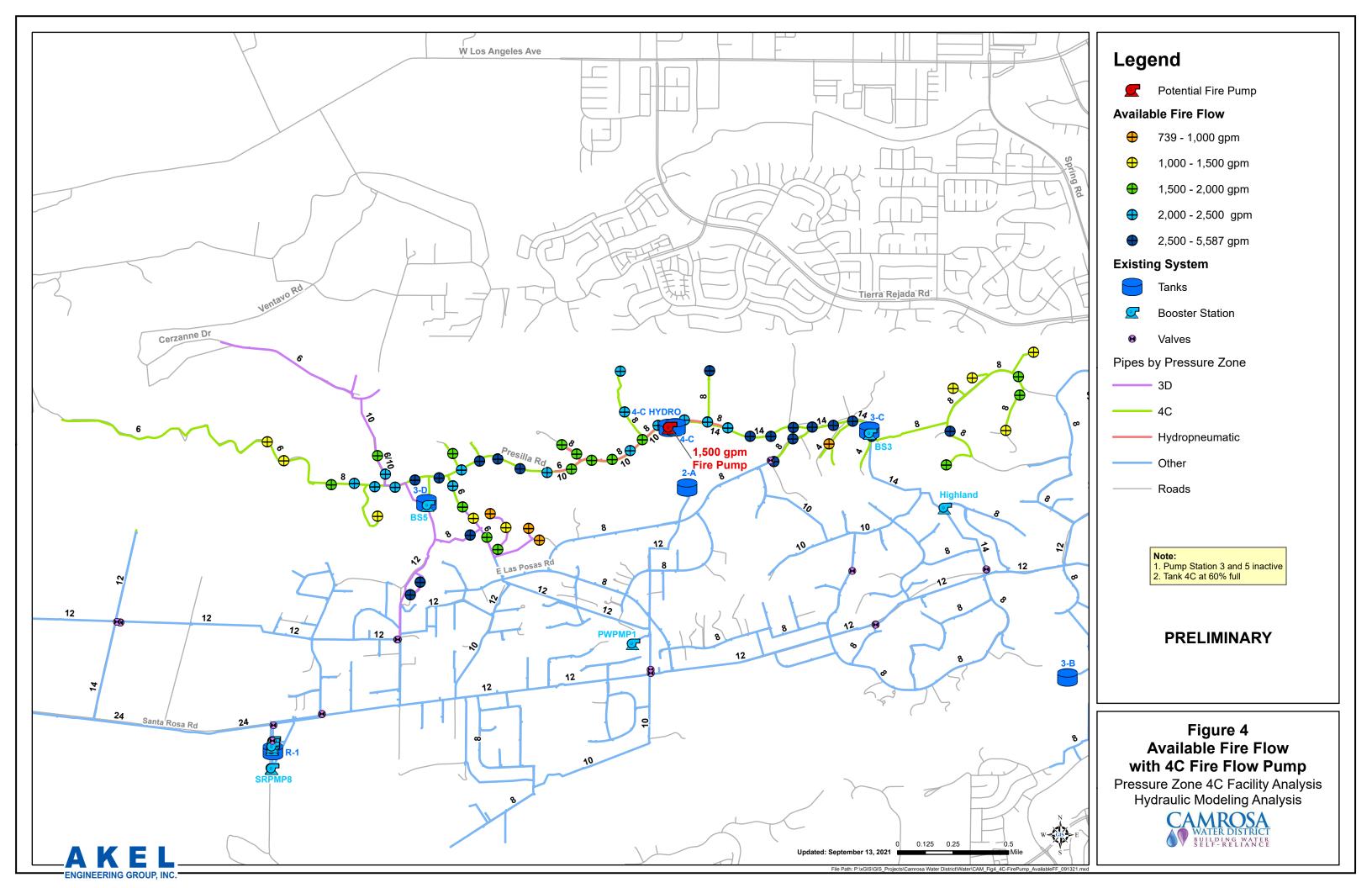
AKEL ENGINEERING GROUP, INC.

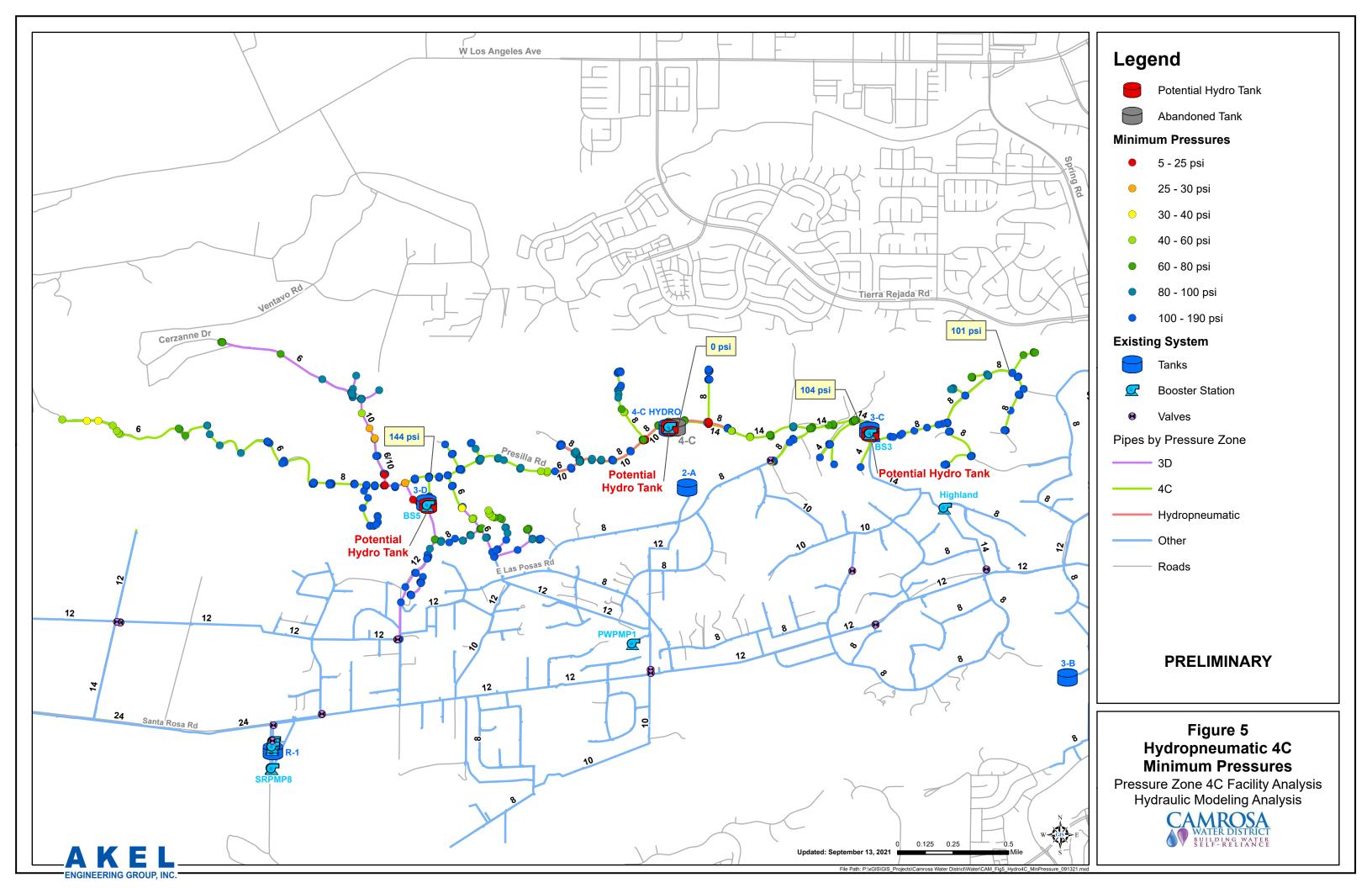
Tony Akel, P.E. Principal











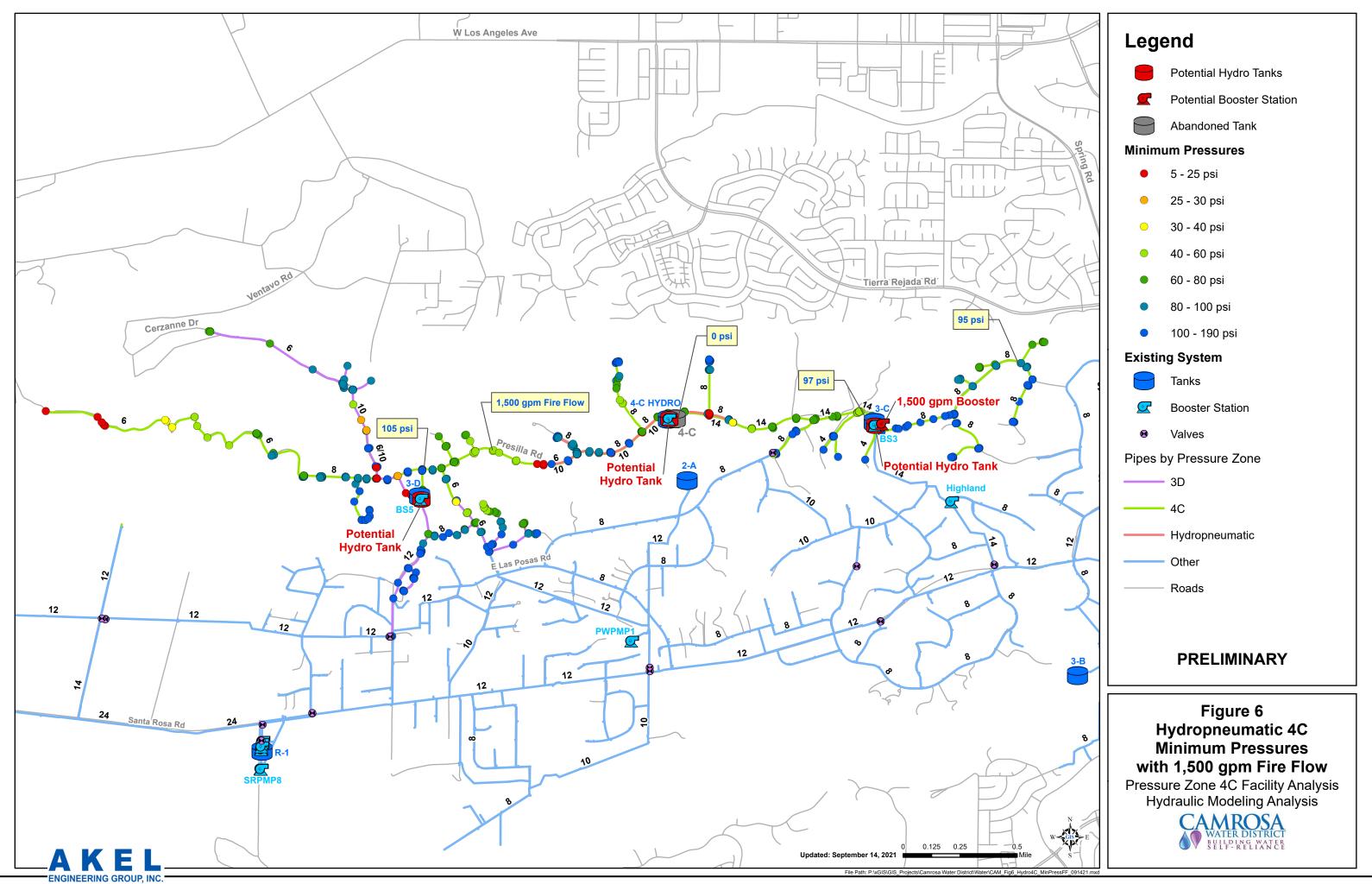


Table 1 Planning and Design Criteria

Pressure Zone 4C Facility Analysis

Camrosa Water District

Design Parameter Criteria Supply Supply to meet Maximum Day Demands Storage Total Required Storage = Operational + Emergency + Fire **Operational Storage** Operational storage based on pump station and meter station tank level controls as simulated in the hydraulic Field Operating Range model **Emergency Storage Emergency Storage** MDD for 24 hours MDD for 12 hours for pressure zones deemed high risk. PROPOSED Very High Fire Hazard High risk zones = boosted zones with little supply (additional requirement) Severity Zone (VHFHSZ) redundancy/reliability **Fire Flow Storage** Low/ Medium Density Residential 0.18 MG 0.24 MG High Density Residential Commercial 0.30 MG Industrial 0.54 MG **Public Facilities** 0.54 MG **Distribution Mains** Maximum Pipeline Velocity ADD, MDD and PHD 5 ft/s Meet Maximum Day Demand plus Required Fire Storage Replacement Pumping over 72 hours with largest unit out of **Pump Stations** service Hydropnumatic systems must meet peak hour demands and include fire flow **Service Pressures** Maximum Pressure 150 psi Minimum Pressure 45 psi Any Service with a pressure greater than 80 psi at the meter should have a pressure regulator **Demand Peaking Factors** Average Day Demand Maximum Day Demand 1.7 x Average Day Demand Peak Hour Demand 2.8 x Average Day Demand **Fire Flows** Low Density Residential 1,500 gpm for 2 hours High Density Residential 2,000 gpm for 2 hours 2,500 gpm for 2 hours Commercial Industrial 3,000 gpm for 3 hours **Public Facilities** 3,000 gpm for 3 hours



6/9/2021

PRELIMINARY

Table 2 Hydraulic Analysis Alterntives

Pressure Zone 4C Facility Analysis Camrosa Water District

Scenario	Description	Figure No.	Modeling Task	PRELIMINARY Results
Existing	System			
1	Existing System	Figure 2	Minimum Pressures	
2	Existing System + FF	Figure 3	Available fire flow with Tanks at 60 %, and PS3 and PS5 pump stations inactive	Zone 4C Hydro has less than 1,000 gpm available fire flow
Alternat	tive 1 and 1A - New 4C Tank and 4	C Hydro Pump	Station	
3	Existing System + Fire Flow with 4C Fire Flow Pump	Figure 4	Available fire flow with Tanks at 60 %, new 4C Hydro Fire Pump, and PS3 and PS5 pump stations inactive	Fire Flow in 4C Hydro is increase due to new fire pump
Alternat	tive 2 - New 4C Hydropneumatic Z	one (remove T	ank 4C)	
4	New Hydropneumatic 4C Minimum Pressures (remove Tank 4C)	Figure 5	Minimum Pressures	 3 new hydro tanks potentially required (PS3 discharge, PS5 discharge, and 4C Hydro Suction). Pressure near the 4C Hydro pump station drop to 0 psi Zone pressure would need approximately 15-20 psi increase
5	New Hydropneumatic 4C, 1,500 gpm Fire Flow Pressures (remove Tank 4C)	Figure 6	Fire Flow Minimum Pressures	 3 new hydro tanks potentially required (PS3 discharge, PS5 discharge, and 4C Hydro Suction). Pressure near the 4C Hydro pump station drop to 0 psi Zone pressure would need approximately 15-20 psi increase

9/13/2021

Table 3 Storage Capacity Sensitivity Analysis

Pressure Zone 4C Facility Analysis Camrosa Water District

	Average Day Demands	Maximum Day Demands	Existing Storage Volume	Tank IDs	Storage Requirements					Storage Analysis	
Pressure Zone					Fire Flow		Operational	Emergency			
					Land Use Requirement	Volume	Tank Control Range	MDD for 24 hrs	VHFHSZ (MDD for 12 hours for high risk zones)	Total	Surplus /Deficit
	(gpm)	(gpm)	(MG)			(MG)	(MG)	(MG)	(MG)	(MG)	(MG)
Alternat	ive 1: New	Tank 4C									
3	718	1,220	4.52	Tank 3A Tank 3B Tank 3C	Public Facility: 3,000 gpm x 3 hr	0.54	0.64	1.76	-	2.94	1.59
3D	50	86	1.28	Tank 3D	Residential: 1,500 gpm x 2 hr	0.18	0.21	0.12	-	0.51	0.76
4C + Hydro	189	321	1.01	Tank 4C	Residential: 1,500 gpm x 2 hr	0.18	0.33	0.46	-	0.97	0.04
Alternat	ive 1A: Nev	v Tank 4C (V	/HFHSZ Requ	irement)							
3	718	1,220	4.52	Tank 3A Tank 3B Tank 3C	Public Facility: 3,000 gpm x 3 hr	0.54	0.64	1.76	-	2.94	1.59
3D	50	86	1.28	Tank 3D	Residential: 1,500 gpm x 2 hr	0.18	0.21	0.12	0.06	0.58	0.70
4C + Hydro	189	321	1.01	Tank 4C	Residential: 1,500 gpm x 2 hr	0.18	0.33	0.46	0.23	1.20	-0.19
Alternat	ive 2: New	4C Hydro Zo	one (Remove	Tank 4C)							
3	718	1,220	4.52	Tank 3A Tank 3B Tank 3C	Public Facility: 3,000 gpm x 3 hr	0.54	0.64	1.76	-		
4C + 4C Hydro	189	321	-					0.46	-		
Total (3 + 4C + 4C Hydro)	907	1,541	4.52					2.22	-	3.40	1.12
3D	50	86	1.28	Tank 3D	Residential: 1,500 gpm x 2 hr	0.18	0.21	0.12	-	0.51	0.76

Table 4 Booster Station Capacity Analysis

Pressure Zone 4C Facility Analysis Camrosa Water District

Pressure Zone	Booster Station	Average Day Demand	Maximum Day Demand	Peak Hour Demand	Supply Dependent Demand	Total Demand Requirement	Fire Flow Pumping Requirement	Total Station Requirement	Pump Station Total Capacity	Pump Station Firm Capacity	Surplus/ Deficiency +/
		(gpm)	(gpm)	(gpm)	(gpm)	(gpm)	(gpm)	(gpm)	(gpm)	(gpm)	(gpm)
Alternative	1 and 1A: Ne	w Tank 4C									
4C	Pump Station 3 Pump Station 5	151	257	424	64	321	41.7 (Fire flow over 3 days)	363	1,932	600	237
4C Hydro (Domestic)	4C Hydro	38	64	105	0	105	0	105	714	348	243
4C Hydro (Fire)	4C Hydro	0	0	0	0	0	1,500	1,500	0	0	-1,500
Alternative 2: New 4C Hydro Zone (Remove Tank 4C)											
New BS 3 Domestic (Hydro) ¹	Pump Station 3 Pump Station 5	151	257	424	105	772		772	1,932	600	-172
New BS 3 (Fire, Hydro)		-	-	-	-	-	1,500	1,500	0	0	-1,500
4C Hydro (Domestic)	4C Hydro	38	64	105	0	105	0	105	714	348	243
4C Hydro (Fire)	4C Hydro	0	0	0	0	0	1,500	1,500	0	0	-1,500
AKEL	1	1				1					10/20/2021

PRELIMINARY

Table 5 Recommended Improvements

Pressure Zone 4C Facility Analysis Camrosa Water District

			PRELIMINARY						
No.	Facility	Location	Size/Capacity						
Alternative 1 - New 1.0 MG Tank 4C - Recommended Alternative									
1-1	Tank	Tank 4C	1.0 MG						
1-2	Fire Pump	4C Hydro PS	1,500 gpm						
1-3	Emergency Generator	4C Hydro PS							
Alternati	ve 1A - New 1.2 MG Ta	ank 4C							
1-1A	Tank	Tank 4C	1.2 MG						
1-2A	Fire Pump	4C Hydro PS	1,500 gpm						
1-3A	Emergency Generator	4C Hydro PS							
Alternati	ve 2 - New Hydropneu	ımatic 4C Zone (Rem	ove Tank 4C)						
2-1	Surge Tank	PS 3 Discharge	-						
2-2	Surge Tank	PS 5 Discharge	-						
2-3	Surge Tank	4C Hydro PS Suction	-						
2-4	Domestic Pump	Pump Station 3	800 gpm						
2-5	Fire Pump	Pump Station 3	1,500 gpm						
2-6	Fire Pump	4C Hydro PS	1,500 gpm						
2-7	Emergency Generator	4C Hydro PS							

9/13/2021



PO Box 2540, Camarillo, California 93011 <u>www.Oakridgegeo.com</u> 805-603-4900

August 16, 2018 Project No. 014.003

Cannon 11900 West Olympic Blvd., Suite 530 Los Angeles, California 90064

Attention: Mr. Eric Porkert, P.E.

- Subject: Slope Stability Evaluation, Pressure Zone 4C Welded Steel Reservoir Project, Camarillo, California
- Reference: Oakridge Geoscience, Inc. (2021), Geotechnical Report, Camrosa Water District, Pressure Zone 4C Welded Steel Reservoir and Hydropneumatic Pump Station Project, Camarillo, California, prepared for Cannon, dated May 26, OGI Project No. 014.003

Dear Mr. Porkert:

This letter summarizes the findings of our slope stability evaluation for Camrosa Water District's (CWD's) Reservoir 4C project in Camarillo, California. Cannon and CWD requested the slope stability evaluation as summarized in our proposal letter dated July 7, 2021. The slope stability evaluations were performed in general accordance with the slope stability guidelines published by the California Geologic Survey (CGS), Special Publication 117A (CGS, 2008) with supporting data presented in the American Society of Civil Engineers (ASCE, 2002).

SITE CONDITIONS

As summarized in the referenced geotechnical report (OGI, 2021), the project site is located on a westerly-trending anticlinal ridgeline in the Las Posas Hills separating Little Simi Valley to the north and Santa Rosa Valley to the south. The existing 4C Reservoir site is bordered by Presilla Road to the north, an about 400-foot-high, steeply descending slope with evidence of erosion and slope instability to the south, and residences to the east and west (Plate 1). The site is about 250 feet wide (east-west direction) by 150 feet wide (north-south direction) and contains an existing 75-foot diameter one-million-gallon (1MG) steel reservoir constructed in about 1967 and existing pump machinery, generator, electrical services, and a communications tower. As indicated on the Google Earth imagery on Plate 2, the reservoir pad appears to have been graded and a circular road surface constructed for a second reservoir on the western side of the existing reservoir.

Regional geologic mapping by Dibblee (1992) and the Weber (1973) indicates the 4C Reservoir site is underlain by Pleistocene-age bedrock of the Saugus Formation. Dibblee describes the Saugus Formation as crudely bedded sandy deposits with gravel and cobbles interbedded with lesser amounts of sand and clay. Dibblee's mapping also indicates the bedding strikes northeast-southwest (generally parallel to the ridgeline in the vicinity of the reservoir site) and dips to the northwest at about 10 to 15 degrees (Plate 3). The mapped bedding orientations

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are favorable with respect to the existing steep descending slope on the southern side of the project site.

The Simi-Santa Rosa fault, a source of potential strong ground shaking, is located about 700 feet south of the site as indicated on the regional geologic map (Plate 3). Review of published mapping by the CGS indicates the site, while near the Simi-Santa Rosa fault system, is not located in an area of required evaluation for faulting.

The CGS, Dibblee, and Weber do not show any mapped landslides in the immediate vicinity of the existing reservoir site, however, the CGS does identify the steep descending slope bordering the southern side of the project site as an area of potential earthquake-induced landsliding. The descending slope is about 400 feet high overall and inclined at an overall inclination of about 1.25 horizontal to 1 vertical (1.25h:1v). Locally, steeper portions of the slope are inclined at about 1h:1v. Evidence of erosion and slope instability were observed on the existing descending slope during our site visits and CWD staff have indicated slope repair was performed near the existing communications equipment area on the southern edge of the 4C Reservoir pad at some point in the past.

GEOTECHNICAL DATA AND INTERPRETED GEOLOGIC CROSS SECTION

As part of the referenced geotechnical study (OGI, 2021), S/G Drilling advanced a hollowstem auger drill hole near the location of the proposed 4C Reservoir indicated on Plate 2 to a depth of about 35 feet on April 28, 2021, using a truck-mounted CME-85 hollow-stem auger drill rig equipped with 8-inch diameter augers. The drill hole was sampled using a driven modified California split spoon sampler and a standard penetration test (SPT) sampler at 2.5-foot intervals to a depth of 10 feet and at 5-foot intervals below a depth of 10 feet. The sampler was driven by a 140-pound CME automatic trip hammer free-falling 30 inches. The drill hole log is presented in Appendix A of the referenced geotechnical report.

Site specific topography for the project site was provided by CWD (Plate 4). As depicted on Plate 4, the proposed reservoir site is at an elevation (El.) of about El. +1,050 feet and is setback about 40 feet from the top of the southerly descending slope. The descending slope to the south is inclined at about 1.25h:1v for a height of about 300 feet (approximately El. +750 feet). Below about El. +750 feet, the slope continues to descend toward the south about another 100 feet in elevation (approximately El. +650 feet) along a southeast trending canyon but at a lesser slope.

Cross Section A-A' (Plate 4) depicts our interpretation of the geologic conditions based on our review of published geologic mapping, site exploration, and the topography provided by CWD. The cross section was prepared in a general north-south direction through the proposed reservoir site approximately perpendicular to the topographic contours. The primary geologic units underlying the proposed 4C Reservoir site include the Saugus Formation (QTs) and the Las Posas Sand (QTIs) of Pleistocene age. As summarized in the geotechnical report (OGI, 2021), the Saugus Formation encountered in drill hole DH-1 consists of dense to very dense sand with variable amounts of gravel. Based on past geotechnical studies in the project area, the underlying Las Posas Sand has similar geotechnical properties to the Saugus Formation. As depicted on the cross section, the Saugus Formation and Las Posas Sand are underlain by the Sespe Formation (Tsp) and Conejo Volcanics (Tcv); however, the Sespe Formation and Conejo Volcanics do not impact the slope stability evaluation. Based on regional geologic mapping, the Saugus Formation strikes generally east-west and dips about 10 to 15 degrees to the north into the southerly descending slope. The resulting apparent dip (AD on Plate 4) is about 12 degrees to the north as depicted on Cross Section A-A'. Based on interpreted site conditions, potential circular failure surfaces within the south facing slope below the reservoir site generally cross the bedding planes. We note that soil strengths are typically higher for across bedding conditions (such as for the steep slope south of the 4C Reservoir site) than for along bedding conditions which exist on the north-facing slopes north of Precilla Road based on published mapping. The shear strength along the bedding planes in fine grained silt and clay layers within the Saugus Formation is weak and susceptible to landsliding. Large, regional landslides are present on the northward descending slope (north of Presilla Road) descending towards Moorpark. Those large landslides likely moved along laterally unsupported (daylighted) weak clay bedding planes in the Saugus Formation.

SLOPE STABILITY EVALUATION

General

As described in CGS SP117A (CGS, 2008), there are three primary components to the slope stability evaluations: 1) topography, 2) geologic features such as bedding planes, and 3) shear strength of the earth materials. For the southerly descending slope south of the 4C Reservoir site, the geologic bedding planes are generally favorable with regard to the slope stability evaluation; the bedding dips into the slope and the resulting failure surfaces generally cross the bedding planes. The primary inputs are the topography and earth material properties. The topographic profile and interpreted geologic conditions are presented on Plate 4.

Shear Strength

Laboratory shear strength testing was performed on samples of the Saugus Formation obtained from drill hole DH-1 advanced on the 4C Reservoir pad. Additional published shear strength data were selected from the CGS Seismic Hazard Report for the Moorpark Quadrangle (CGS, 2002). The shear strength parameters utilized in our slope stability evaluations are summarized in the following table.

Material Turn		e Strength /aluations)	Peak Strength (pseudostatic evaluations		
Material Type	Cohesion (psf)	Phi (degrees)	Cohesion (psf)	Phi (degrees)	
Saugus Formation (QTs)	600 ¹	35.8 ¹	1,350 ¹	42 ¹	
Las Posas Sand (QTIp)	400 ²	31 ²	1,000 ³	36 ³	
Sespe Formation (Tsp)	400 ²	30 ²	1,000 ³	36 ³	

Table 1. Summary of Shear Strengths

¹ Developed based on laboratory shear strength testing from OGI (2021).

² Based on published data from CGS (2002), Moorpark Quadrangle Seismic Hazard Report.

³ Estimated from data published by CGS (2002), Moorpark Quadrangle Seismic Hazard Report

Slope Stability Evaluations

General Guidelines. For reference, slopes associated with project development in Ventura County are typically required to have a minimum static factor of safety (FS) of 1.5. Pseudostatic (seismic) evaluations have a minimum FS of 1.0 utilizing the procedure in CGS (2008). If the pseudostatic evaluations indicate a FS of less than 1.0, a Newmark sliding block evaluation is typically performed. Evaluation criteria developed by ASCE/SCEC (2002) based on information from CGS SP117A (2008) suggests the sliding block evaluation should limit estimated median displacements of 5 cm (2 inches) or less for potential slip surfaces that intersect "stiff improvements" such as foundations. Potential slip surfaces occurring in ductile soil that do not intersect engineered improvements (landscape areas and patios) should maintain estimated median displacements of 15 cm (6 inches) or less.

Slope Stability Evaluation. Overall slope stability evaluations based on potential circular failure surfaces were performed for the existing 1.25h:1v slope and interpreted geologic conditions depicted on Cross Section A-A'. The slope stability evaluations were performed in general accordance with the procedures described in CGS SP117A with clarifications per ASCE/SCEC (2002). Per CGS SP117A, ultimate shear strengths are used for static evaluations and peak shear strengths are used for pseudostatic (seismic) evaluations. As described above and shown on the slope stability output plates provided in Appendix A, potential circular failure surfaces passing through the toe of the descending slope generally cut across the bedding planes within the Saugus Formation.

Several static and pseudostatic slope stability evaluations were performed. The results are summarized in the following table and the output plots are provided in Appendix A.

Run No. / Condition	Factor of Safety (FS)	Comment			
1) Static – Baseline	1.17	Lowest FS near edge of slope			
2) Static – Potential failure surface near reservoir	1.19	Reservoir set back about 40 feet from edge of slope			
3) Static – Potential failure surface with 1.5 FS	1.50	1.5 FS about 230 feet north of slope face (about 30 feet north of Presilla Road.			
4) Pseudostatic – 5 cm threshold	0.98	5 cm movement threshold about 10 feet south of reservoir for most critical surface			
5) Pseudostatic – 5 cm threshold at edge of reservoir	0.98	5 cm movement threshold at south side reservoir			
6) Pseudostatic – 15 cm threshold	1.10	15 cm movement threshold about 10 feet south of reservoir for most critical surface			
 Pseudostatic – 15 cm threshold at edge of reservoir 	1.11	15 cm movement threshold at south side reservoir			
8) Static – with 400-foot-deep piles, potential failure surface near reservoir	1.50	Structural solution to provide a 1.5 SF for static evaluations. Requires 400-foot-deep piles. Not considered			
9) Pseudostatic with piles – 5 cm threshold	1.00	5 cm movement threshold about 10 feet south of reservoir for most critical surface			

Table 2. Summary of Slope Stability Evaluations

As summarized in the table above, the static slope stability evaluations have an estimated FS of 1.17 near the slope edge (Run #1) and an estimated FS of 1.19 near the edge of reservoir (Run #2) which is setback about 40 feet from the edge of the slope. The minimum static factor of safety per the Ventura County Grading Ordinance is FS 1.5. Based on the slope stability evaluations, the static factors of safety are less than the required minimum value of FS 1.5 at the edge of the reservoir. To achieve a static FS of 1.5, the reservoir would need to be setback from the southern slope edge by about 230 feet (Run #3) which is about 30 feet north of Presilla Road.

The pseudostatic evaluations consider two possible movement scenarios: 5 cm (2 inches) recommended by ASCE/SCEC (2002) for hardscape (i.e. foundations) and 15 cm (6 inches) for landscape areas. The pseudostatic evaluations at the project site incorporate a peak ground acceleration of 0.927g and a K_h coefficient of 0.236g. The pseudostatic evaluations indicate the most critical failure surface (MCS) has a FS of 0.98 about 10 feet south of the reservoir edge (Run#4) and a FS of 0.98 at the reservoir edge is (Run #5). The pseudostatic evaluations using the 15 cm movement threshold has a FS of 1.10 for the MCS located about 10 feet south of the reservoir edge (Run #7). The pseudostatic evaluations indicate the site has a FS of 0.98 for the 5 cm movement threshold which is slightly below the requirement of FS 1.0 and a FS of 1.11 for the 15 cm movement threshold which is above the required FS of 1.0.

One possible mitigation to improve the static FS to 1.5 involves drilled piers which would provide increased shear strength to the earth materials below the reservoir. As described in more detail in the following section, the pile depth is typically based on the depth of the potential FS 1.5 failure surface below the tank which is estimated to be approximately 180 feet based on our evaluations. Additionally, preliminary evaluations indicate the piles would need to extend about 230 feet below the MCS resulting in a pile length of about 410 feet. As shown on Run #8 and Run #9, the approximately 410 foot-long-piles would increase the static FS to 1.5 and pseudostatic FS for the 5 cm movement threshold to above FS 1.0. However, the cost of piles as a mitigation to increase the safety factor is likely not feasible.

POTENTIAL SLOPE MITIGATIONS

Slope stability hazards such as landslides or unstable slopes are typically mitigated through one of three primary methods: 1) setback from the hazard, 2) grading solution, 3) structural solution such as pile foundations, or 4) implement an alternative project approach. We note there are a range of structural solutions that could potentially be used but this evaluation focuses on the primary solutions commonly utilized.

1) Setback from the Hazard. Based on the slope stability evaluations, it appears the new 4C reservoir would need to be setback from the southern slope face by about 230 feet to achieve a static FS of 1.5. That would require the reservoir to be located offsite about 30 feet north of Presilla Road (and acquisition of additional property). In addition, as noted in the geologic site conditions described above, there are large regional landslides mapped north of Presilla Road that are potentially a greater geohazard than the steep descending southern slope at the existing project site. Setting back from the southern slope to meet slope stability FS does not appear to be a feasible option.

- 2) Grading Solution. Landslides and other geologic hazards are often mitigated through removal of material and replacement with compacted fill or soil buttress or by combinations of both removal and replacement with a buttress. The existing descending slope is at least 300 feet high. A typical grading solution would be to reduce the slope height (not possible for this application) or build a slope buttress against the base of the hill that would likely create a 2h:1v fill slope with benches per the Ventura County Grading Ordinance requirements. Building a buttress of that magnitude would involve moving millions of yards of earth materials and acquisition of a fairly large amount of property. From an environmental permitting and cost perspective, a grading solution does not appear to be a feasible option.
- 3) Structural Solution Piles. A structural solution typically involves installation of pile foundations to support the structure or strengthen the soil materials in the slope to improve the soil strength and corresponding slope stability FS. To evaluate the pile depth, the procedure typically considers the depth of the static slope stability surface with a minimum FS of 1.5 (estimated to be approximately 180 feet deep near the edge of slope for the 4C site). For an initial pile evaluation estimate, a factor of 1.3 is added to the critical surface depth to estimate pile depth, which corresponds to a pile depth of about 410 feet. While it may be technically feasible to install steel-reinforced concrete piles to that depth, it likely would be extremely challenging and very costly (possibly millions of dollars). Therefore, a structural solution such as piles does not appear to be a feasible option.
- 4) Structural Solution Ground Improvement. Another possible structural solution could involve strengthening the granular earth materials beneath the site using cement or chemical treatment. This option would need to be evaluated further to determine whether it is feasible to improve the earth materials to the required depths. Additionally, it likely would be challenging to develop a method to confirm that the treatment successfully improved the earth material strength to provide for the FS of 1.5. The cost would need to be evaluated further but likely could be millions of dollars or possibly much higher. Based on the site conditions, ground improvement does not appear to be a feasible option.
- 5) Alternative Water Conveyance System. A less invasive approach would be to construct a pump station at a lower elevation that could meet the needs of the water delivery system. The cost for this option would need to be evaluated by the project civil engineer but is likely more cost effective than the potential earthwork options described above.

CONCLUSIONS AND OPINIONS

Based on our slope stability evaluation, the existing natural descending slope south of the 4C Reservoir site does not meet current slope stability requirements for static conditions (FS of 1.5) or pseudostatic conditions (FS of 1.0) for a movement threshold of 5 cm (foundations). As described above, our evaluations indicate the most critical surface is located near the slope edge and has a FS of 1.17 (Run #1). Additionally, there is a potential failure surface which extends about 40 feet back from the slope edge near the proposed reservoir location with a FS of 1.19. In our opinion, the FS 1.17 surface near the slope edge suggests that shallow slope failures are the likely failure mechanism of the primarily granular soil materials versus deeper seated slope failures. However, our evaluations suggest the potential also exists for deeper seated slope failures that could damage the reservoir and thus cannot be ruled out. As described previously, CWD staff have indicated pile supports were previously installed near the existing communication equipment on the southern slope edge to mitigate surficial slippage.

While this slope stability evaluation is focused on the conditions interpreted at the 4C reservoir site, the earth materials exposed along the ridgeline in the project vicinity are similar and likely have similar low safety factors. As part of our slope stability evaluation, we have suggested potential mitigation measures that could possibly be used to raise the factors of safety to the Ventura County Grading Ordinance requirements. However, as described above, there does not appear to be a cost-effective mitigation that can be implemented for the site. From a comparative standpoint, the further the reservoir is located away from the slope edge, the higher the slope stability FS, but it does not appear the reservoir can be moved far enough from the slope on the existing site to improve the FS to above the grading ordinance slope stability requirements (i.e., static FS of 1.5 or higher).

We understand that CWD is self-governing and does not have to meet the slope stability safety factors required by the Ventura County grading ordinance. On that basis, CWD can choose to construct the reservoir as planned and accept there is a higher potential for damage to the reservoir site and improvements due to slope instability. If CWD selects this option, we suggest they initiate an annual survey monitoring and visual inspection program for the reservoir site, improvements, and the descending slope. We recommend the survey monitoring plan include installing and monitoring a minimum of four permanent survey markers around the reservoir foundations (north, south, east, and west directions) and four permanent survey markers along the top of the slope. Following installation, an annual survey monitoring program (post rainy season) and visual observation of the site and slope conditions should be performed to evaluate if any movement is occurring. We also recommend the survey monitoring and site observations be performed following any geohazard events such as heavy rainfall or seismic events. The purpose of the monitoring program is to identify potential slope movement early enough to provide shallow slope mitigations that could help to reduce the potential for deeper slope failures.

CLOSURE

We appreciate the opportunity to provide this slope stability evaluation for the Camrosa Water District's 4C Reservoir site. This slope stability letter-report has been prepared for the exclusive use of Cannon and CWD relative to evaluation of the 4C Reservoir site on Presilla Road in the Santa Rosa Valley area of Ventura County. The findings, conclusions, and recommendations presented herein were prepared in accordance with generally accepted

Cannon Project No. 014.003

geotechnical engineering practices of the project region. No other warranty, express or implied, is made.

In performing our professional services, we have used generally accepted geologic and geotechnical engineering principles and have applied the degree of care and skill ordinarily exercised under similar circumstances by reputable geotechnical engineers currently practicing in this or similar localities. No other warranty, express or implied, is made as to the professional opinions or advice included in this report.

We appreciate the opportunity to provide geologic services to the Cannon. Please contact us if you have any questions on the information contained in this letter.

> SINCERELY, OAKRIDGE GEOSCIENCE, INC.

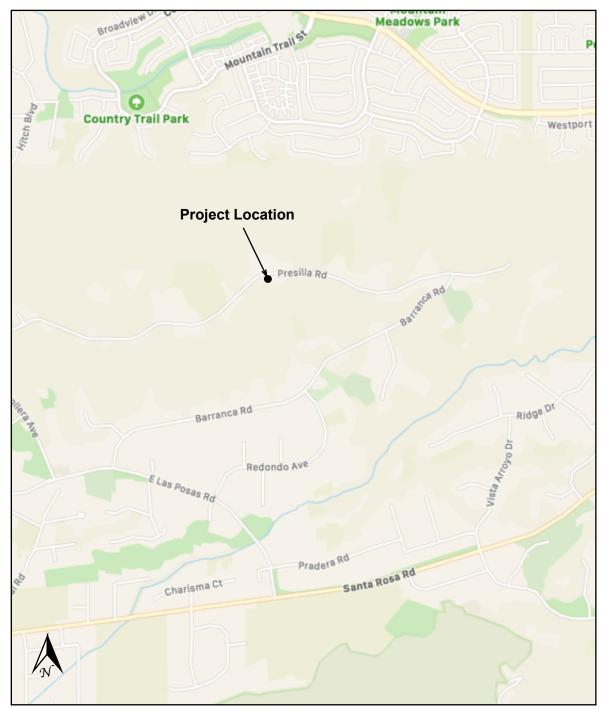
Joseph Barr, III, PE Principal Engineer Craig D. Prentice, CEG Principal Engineering Geologist

Enclosures: Plates 1 through 4 Appendix A – Slope Stability Plots; Run #1 through Run #9

REFERENCES

- American Society of Civil Engineers (ASCE)/Southern California Earthquake Center (SCEC, 2002), Recommended Procedures for Implementation of DMG Special Publication 117, Guidelines for Analyzing and Mitigating Landslide Hazards in California.
- California Geologic Survey (CGS, formerly California Division of Mines and Geology, 2008), Special Publication 117, Guidelines for Analyzing and Mitigating Landslide Hazards in California.
 - (2002), Seismic Hazard Report, Moorpark Quadrangle, Ventura County, California.
- Dibblee, T.W., Jr. (1992), Geologic Map of the Moorpark Quadrangle, Ventura County, California.
- Weber, H.F., Jr., et al. (1973), in *Geology and Mineral Resources Study of Southern Ventura County, California*, California Division of Mines and Geology (CDMG) Preliminary Report No. 14, 102 pp.

PLATES



Source: Maps; not to scale

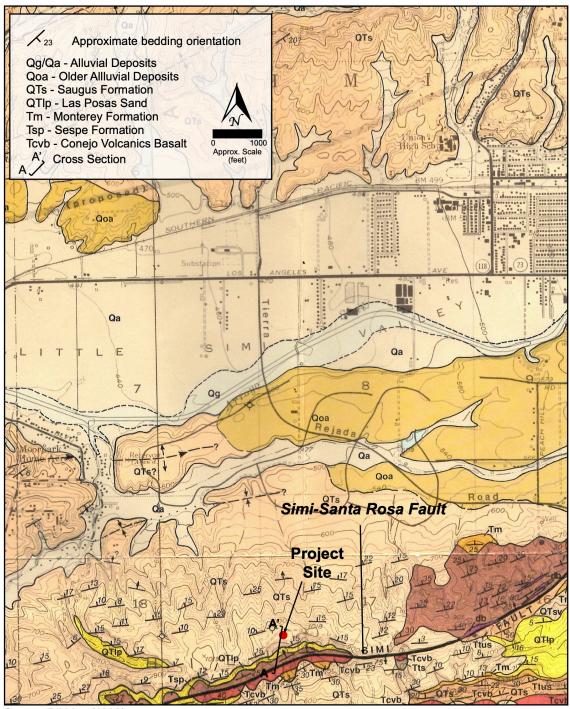
SITE LOCATION MAP Camrosa Water District 4C Steel Tank Project Camarillo, California



DH-1 ┥

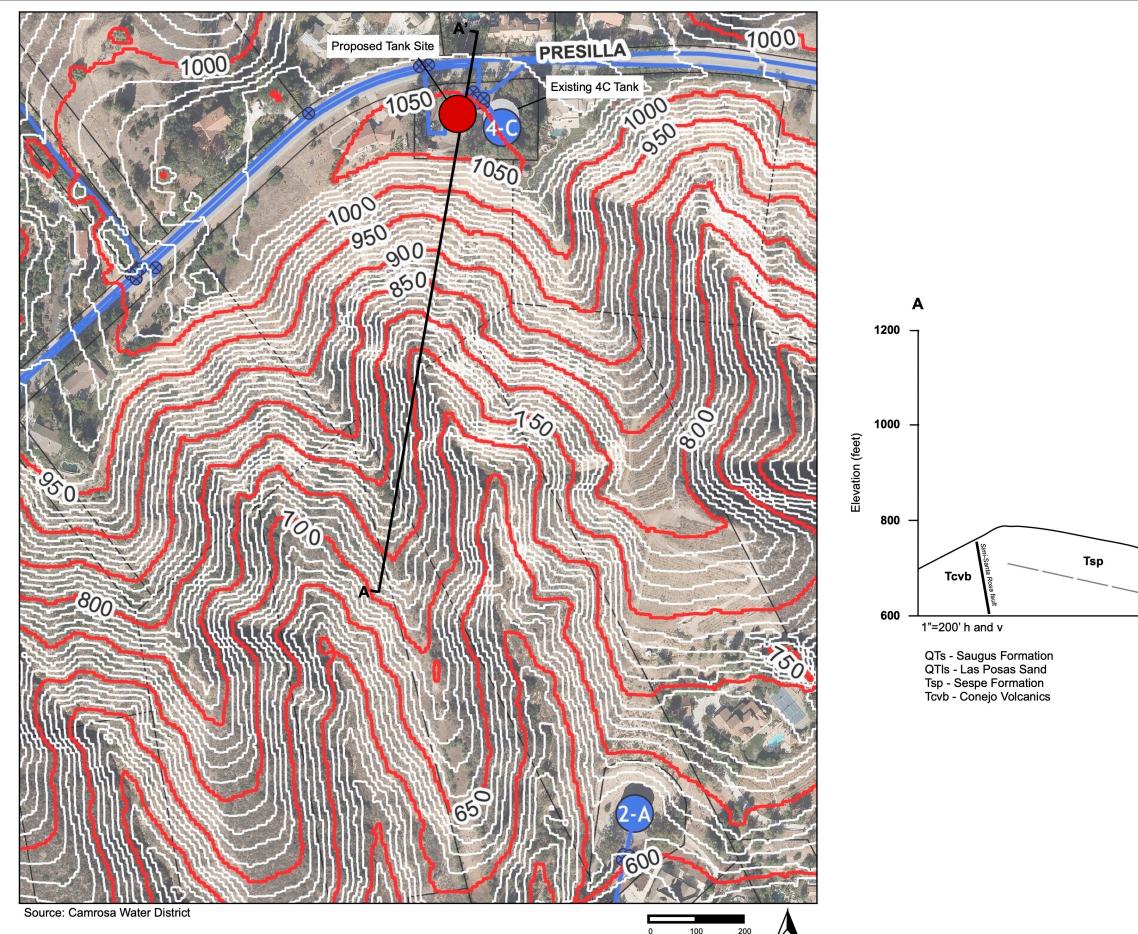
Approximate location of Drill Hole advanced for this study

EXPLORATION LOCATION MAP Camrosa Water District 4C Steel Tank Project Camarillo, California

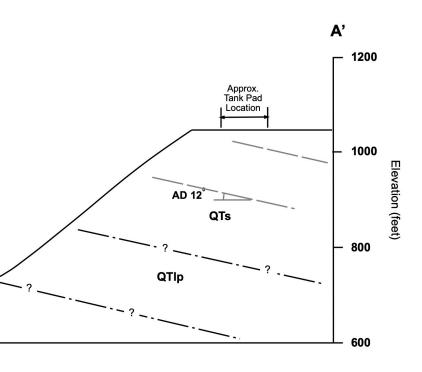


Source: Dibblee (1992)

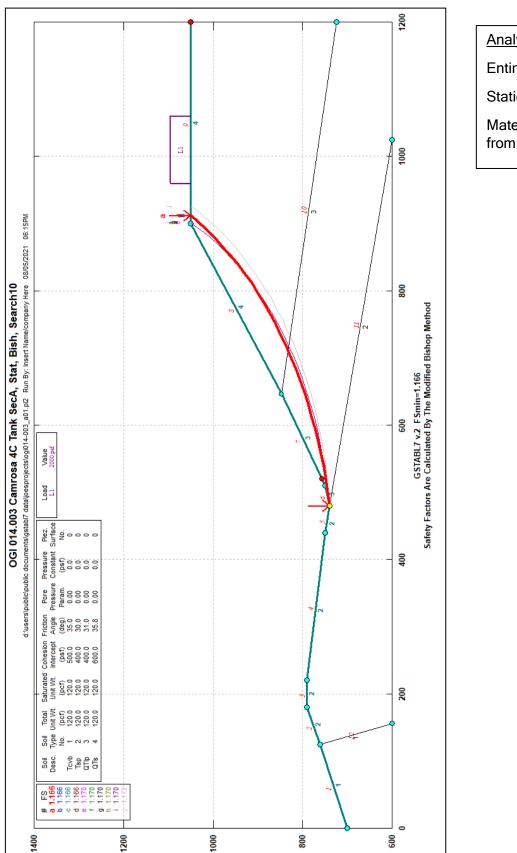
REGIONAL GEOLOGIC MAP Camrosa Water District 4C Steel Tank Project Camarillo, California

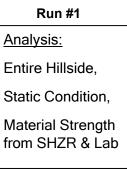


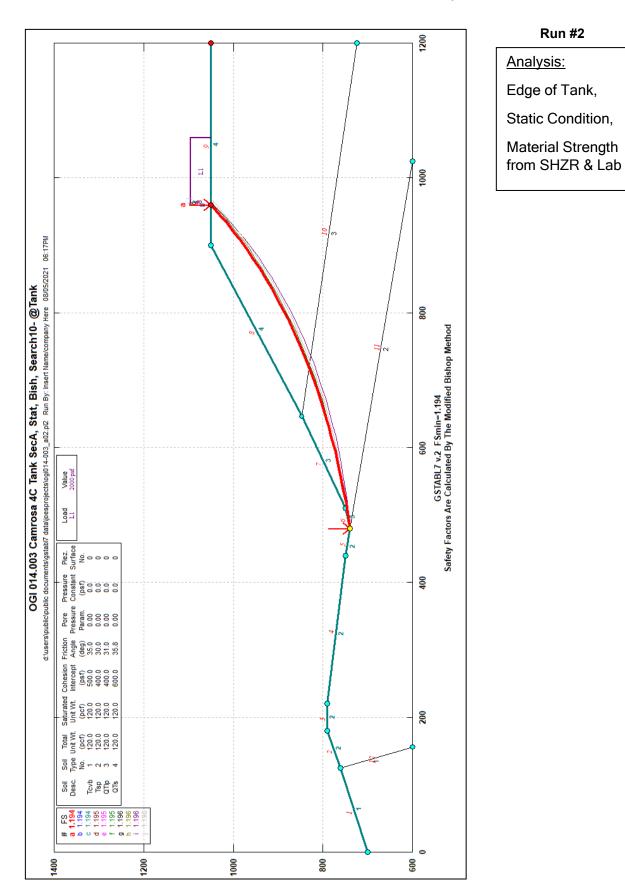
100 200 Approx. Scale (feet)

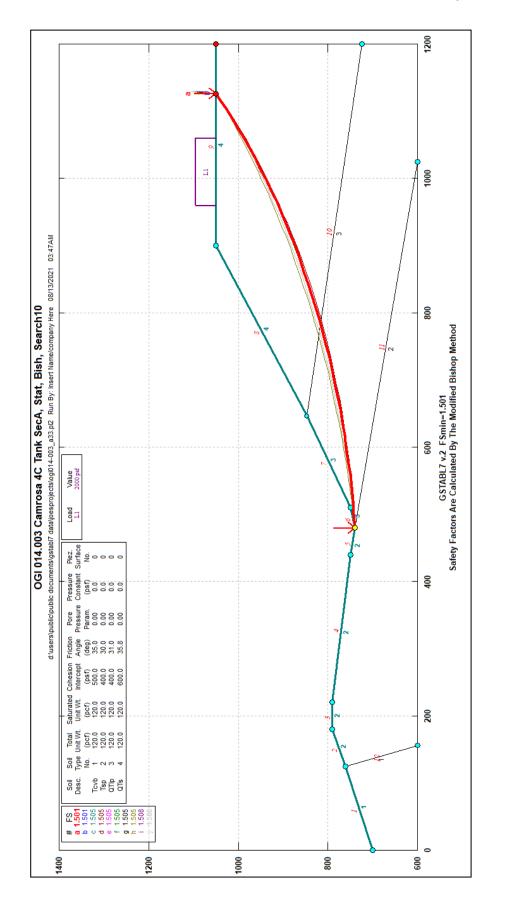


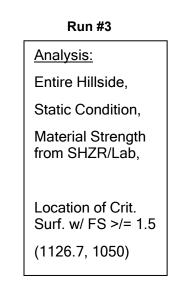
CROSS SECTION A-A' Camrosa Water District 4C Steel Tank Project Camarillo, California APPENDIX A



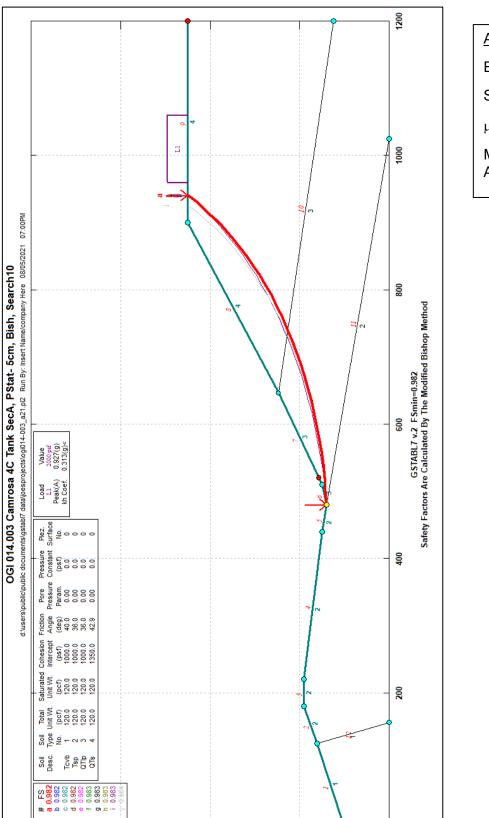


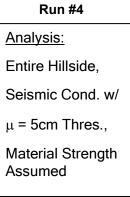


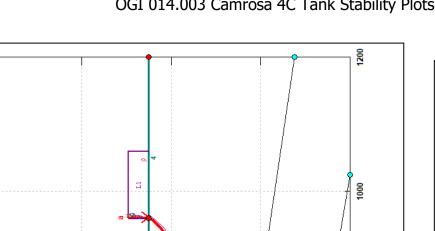


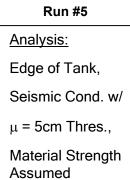


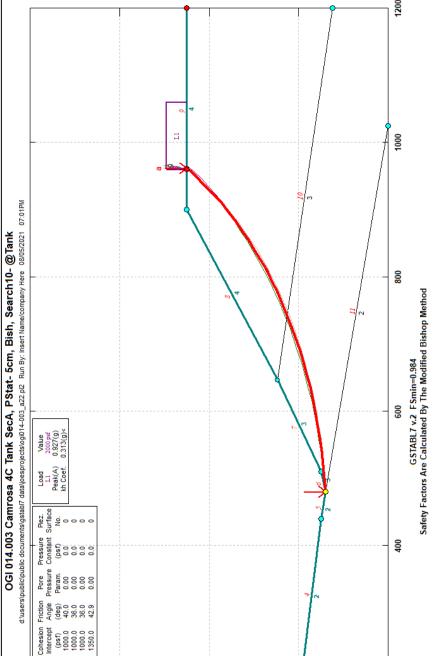
OGI 014.003 Camrosa 4C Tank Stability Plots











Saturated

Total Unit Wt.

Soil Desc.

1400

Soil No.

FS 0.984 0.984 0.984 0.984 #

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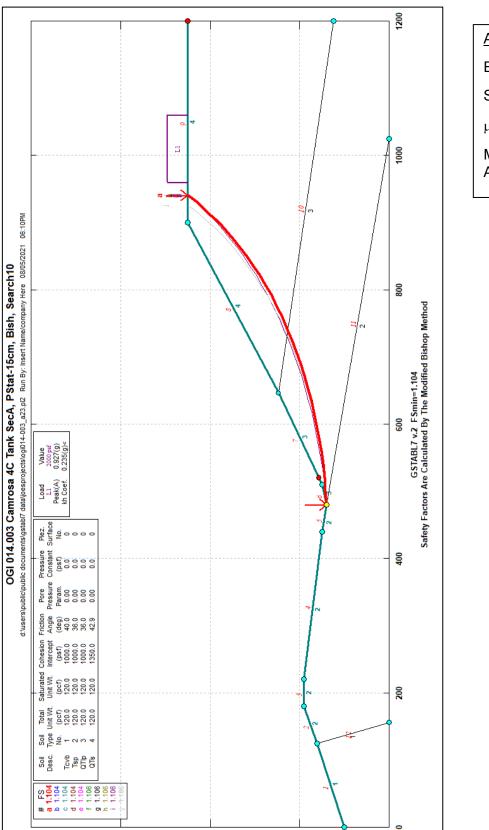
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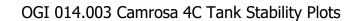
OGI 014.003 Camrosa 4C Tank Stability Plots

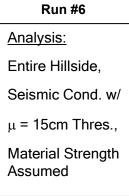
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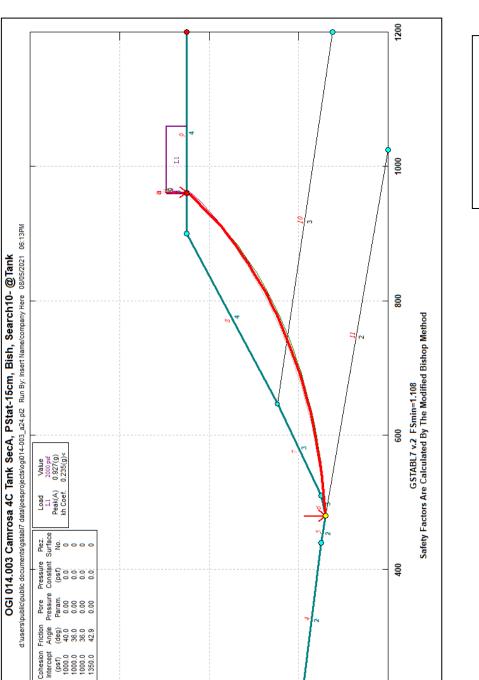
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Total Unit Wt.

Soil Desc.

1400

Soil No.

FS a 1.108 b 1.108 c 1.108 d 1.109

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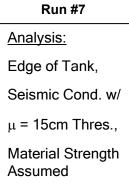
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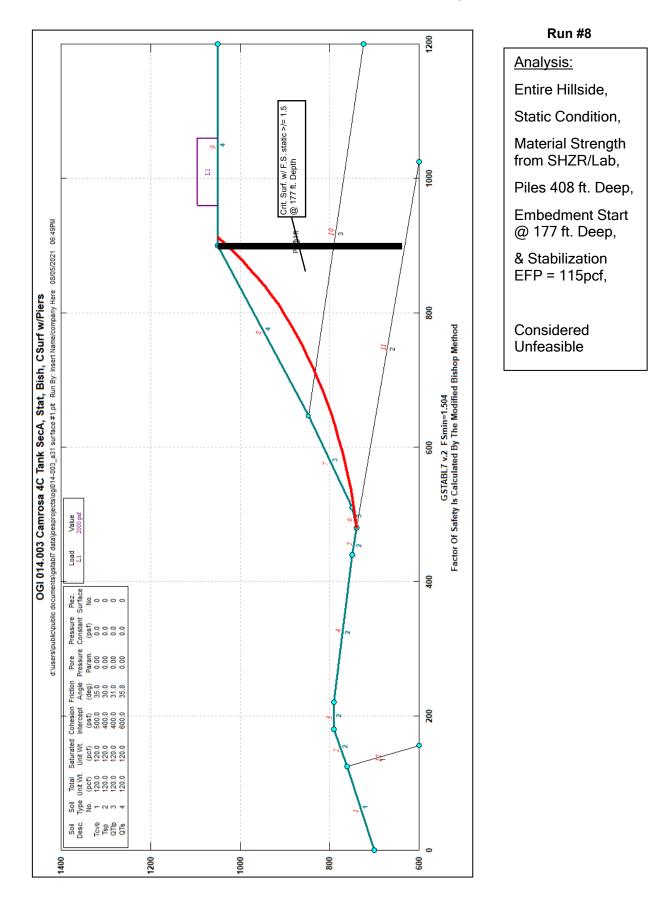
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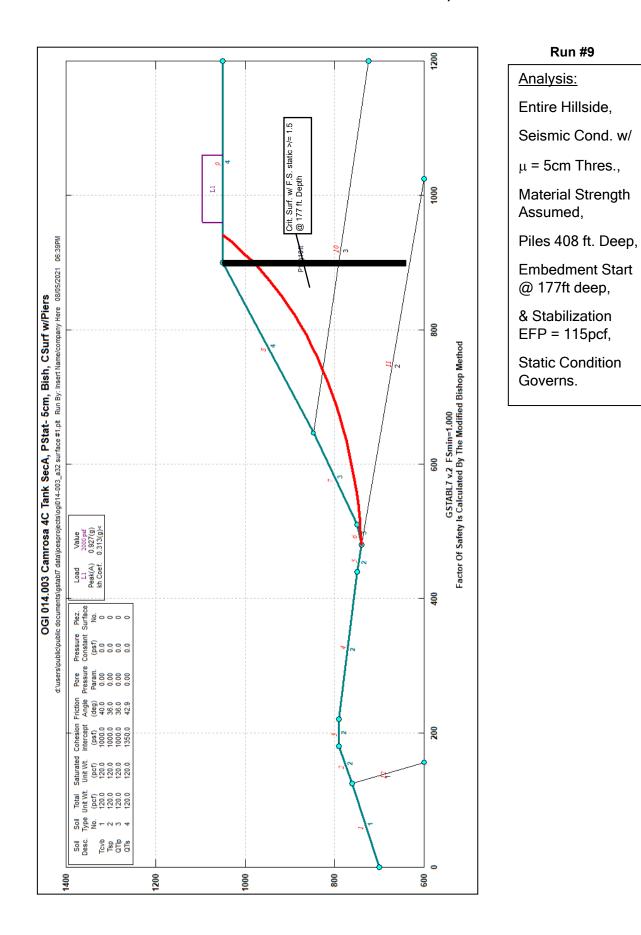
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Board Memorandum

December 9, 2021

To: General Manager

From: Terry Curson, District Engineer

Subject: Penny Well – Air Entrainment Remediation

Objective: Authorize a Purchase Order for cleaning of Penny Well and reinstallation of pump.

Action Required: Authorize the General Manager to issue a Purchase Order to General Pump in the amount \$81,329.29, to provide cleaning, rehabilitation, and re-installation of the existing pump for the Penny Well.

Discussion: To remediate the entrained air issue at the Penny Well, in June 2021, a Request for Proposal was released for consulting design services; on September 23, 2021, the Board authorized entering into an agreement with MNS to provide these services. The project scope requires a technical memorandum evaluating findings from a dynamic well pumping survey, along with alternatives related to equipment options, layout alternatives, various site improvements, pilot testing, preliminary budget cost estimates, and several other features related to a complete and comprehensive design.

MNS contracted with General Pump to prepare the well for a dynamic video survey. A previous attempt several years ago to perform a dynamic video was unsuccessful because of limited space between the pump's column and well casing. As part of General Pump's scope, the existing pump and motor were pulled, and a smaller temporary pump was installed. During the dynamic video, it was observed that there was significant bio growth and scaling along the casing and many of the slotted perforations were plugged. Both General Pump and District staff believe that a complete well cleaning and rehabilitation is necessary to help restore production and longevity to the well.

The temporary pump was left in the well to facilitate MNS's ability to perform any necessary pilot testing and provide a "proof of concept" for any proposed equipment to remove the entrained air. District staff solicited a proposal from General Pump to perform a complete cleaning and rehabilitation of the well, which includes, but not limited to, swabbing, airlift, airburst, and chemical treatment. The proposal also includes reinstallation of the existing pump that can be used to restore production to help offset imported water and facilitate any pilot testing. Inspection will be performed with in-house resources. Once the project is designed, placed out to bid, and construction costs known, staff will go back to the Board and request additional funding, if needed.

Board of Directors Al E. Fox Division 1 Jeffrey C. Brown Division 2 Timothy H. Hoag Division 3 Eugene F. West Division 4 Terry L. Foreman Division 5

General Manager Tony L. Stafford Below is a current breakdown of design costs:

Consulting Services (MNS)	\$155,713.00
Additional Cleaning/reinstallation (General Pump)	\$ 81,329.29
Total Cost Project Cost	\$237,042.29
Construction	<u>\$ TBD</u>
Total Budget	\$362,000.00

There is available funding in the project for the additional cleaning and reinstallation. Once approved, work is expected to start immediately.



159 N. ACACIA STREET * SAN DIMAS, CA 91773 PHONE: (909) 599-9606 * FAX: (909) 599-6238

CAMARILLO, CA 93010 * PHONE: (805) 482-1215 www.genpump.com

Lic. #496765

WELL & PUMP SERVICE SINCE 1952 Serving Southern California and Central Coast

November 29, 2021

Camrosa Water District 7385 Santa Rosa Road Camarillo, California 93012

Attn: Terrance Curson; Kevin Wahl

Subject: Penny Well "Full-Rehabilitation" and Pump Installation

General Pump Company (GPC) is pleased to provide this estimate for the defined scope of work that includes the Rehabilitation approach. Based on the video log of November 8th, the well does appear to be "dirty" and needs to be cleaned. Based on the recent discussions associated with production, the well has not shown any significant loss of production. The normal time frame for well to require cleaning is 7 to 8 years. Our records do not show any rehabilitation efforts being deployed in the history of this well.

The estimated cost for the Full-Rehabilitation and pump Installation is as follows:

<u>Shop Time</u>

•	Load-Unload materials and equipment as needed.		50 Hours
•	Engineering support	10 Hours	Included

50 Hours Total Estimated Shop Labor @ \$114.00/Hour \$5,700.00

<u>Field Labor</u>

- Mobilize crews and perform Airbust throughout the screens of the well
- Mobilize crew and equipment to site, set up rig, Install injection tooling, mix chemical and inject into 7-zones.
- Agitate well for 6 hours
- Install airline and airlift development swab until clean at 2 minute each of 7 zones
- Re-Install Pump, Column, Discharge head and Motor
- Overtime/man hour >8 weekdays and Saturdays up to 8 hours

60 Hours 3 Man Crew and equipment @ \$714.00/Hour	\$42,840.00
8 Hours 2 Man Crew and equipment @ \$510.00/Hour	\$4,080.00
36 Hours Overtime at \$72.00 per man Hour	\$2,592.00

Total Field Labor <u>\$49,512.00</u>



Materials/Rentals (Non-Taxable);

•	Swab Rental	\$950.00
•	Airlift Pipe rental	\$819.00
•	Rental of Air Compressor for airlift development	\$1,773.00
•	Rental of Airburst Equipment	\$3,273.00
•	Rental of Chemical Treatment Trailer	\$3,855.00
•	Rental of baker tank and GPC gray tank	\$2,728.00
	Total Materials/Rentals (Non-Taxable)	<u>\$13,398.00</u>

Materials/Rentals (Taxable);

Fuel For Air Compressor	\$682.00
Batch of Sulfamic Acid and Rock Salt chemistry	\$5,125.00
Replacement Airline Gauge and fittings	\$228.00
Replacement SST Airline	\$982.00
 Bolting and gasket kit and field consumables 	\$364.00
Electrical components to splice motor leads	\$137.00
• Miscellaneous consumables including fittings, tape, banding etc.	\$1,364.00
Estimated Freight	\$1,784.00
Estimated Local Tax	\$773.29
Total Materials/Rentals (Taxable)	<u>\$11,439.29</u>

Outside Services:

٠	Post Rehabilitation Video Log Well (Lump Sum)	\$1,280.00
	Total Outside Services	<u>\$1,280.00</u>

Total Estimated Project cost\$81,329.29

GPC's Standard Terms and Conditions apply and all invoices. At the discretion of accounting, a 20-day preliminary notice *may* be filed. This is not a lien nor a reflection on the integrity of any person or business, but simply a notice as prescribed in California Civil Code sections 3097 and 3098. Warranty for work and materials are restricted to parts and materials replaced as part of this project.

Should you have any questions or need additional information regarding the above summary and associated costs, please do not hesitate to contact us.

Sincerely,

GENERAL PUMP COMPANY, INC.

Ray Reece General Manager



December 9, 2021

To:Board of DirectorsFrom:Ian Prichard, Assistant General Manager

Subject: PV Well #2 Ratification

Objective: Repair PV Well #2 and return it to service on an "emergency" basis.

Action Required: Ratify the action of the General Manager to approve the repair of PV Well #2 on a time-and-materials basis and the subsequent issuance of a purchase order to General Pump in the amount of \$116,265.65.

Discussion: On August 28, 2021, PV Well #2 failed. General Pump, who originally installed the well in 2016, were engaged to pull the well and investigate. Camrosa staff and General Pump determined that bearings around approximately 100 feet of the the drive shaft had broken, due in all likelihood to a failure of the lube system. Camrosa staff and General Pump designed an alternative system, including a foot valve and additional sensors, to create redundancy in the lube system and ensure the entire shaft is lubed at all times. The pump failure and plan to get the well back online was presented at the September 9, 2021 Board meeting.

Pulling the well revealed significant corrosion on sections of the column pipe. Approximately 50 feet needed to be discarded and reordered. Expert analysis of the pitting along the threads between the epoxy coating and the coupling indicated the corrosion was due to water quality components, rather than electrolysis, and a procedure was developed to touch up coating after assembling sections of column pipe; wrapping the joint with waterproof tape; and securing the tape with stainless steel bands.

Since PV Well #2 came online in September of 2020, drawdown has been more dramatic than anticipated. District staff has optimized pumping between PV Well #2 and the nearby Woodcreek Well by running both wells short of their individual capacities. Since the column pipe at PV Well #2 was out of the hole as a result of the failure, staff decided it was a good time to lower the bowls. Meeting the next screened interval required approximately 60 additional feet of pipe, which General Pump added to the order for replacement sections.

General Pump mobilized on Monday, November 15 and completed work, including test pumping, the afternoon of November 24. Staff tested for bacti on Friday, November 26, got a clear result Saturday, November 27, and returned the well to service that afternoon.

There is available funding in the PV Well #2 capital project for this expenditure.

Board of Directors Al E. Fox Division 1 Jeffrey C. Brown Division 2 Timothy H. Hoag Division 3 Eugene F. West Division 4 Terry L. Foreman Division 5

General Manager Tony L. Stafford



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November 29, 2021

Camrosa Water District 7385 Santa Rosa Road Camarillo, California 93012 *Attn*: Kevin Wahl

Subject: Lynwood Well Pump Repair, Modification and Re-install Draft invoice

<u>Shop Time:</u>

 Load-Unload materials and equipment as needed. 	16 Hours
• Touch up pump and prepare suction for check valve adaption	12 Hours
 Build Straps to strap suction to column above pump 	10 Hours
• Clean all column with pressure wash, tighten couplings	20 Hours
• Straighten all line shafts and reface if necessary	60 Hours
• Clean head and replace any broke or failed pieces.	6 Hours
• Engineering support 10 Hours	Included
124 Hours Total Estimated Shop Labor @ \$112.00/Hour	<u>\$13,888.00</u>
Field Labor:	<u> </u>
 Mobilize crew and equipment to site, set up rig, Install Pump with addition suction device per asbuilt Utilize Crane to re-install building 	nal setting,
 Connect Pumping equipment to power supply, start and test pump 	
 Overtime/man hour >8 weekdays and Saturdays up to 8 hours 	
80 Hours 3 Man Crew and equipment @ \$624.00/Hour	\$49,920.00
61 Hours Overtime at \$69.00 per man Hour	\$4,209.00
Total Field Labor	<u>\$54,129.00</u>
Materials/Rentals (Taxable):	<u>, </u>
• 110-feet of 10" X .500 Wall X 10' column assembly	\$15,500.00
 110-feet Sand blast and NSF Coating ID and OD of column 	\$7,200.00
• 60-feet 1-11/16" SST line shafts with SST couplings	\$7,691.00
• 6 each 10" X 1-11/16" SST retainer with inserts	\$1,473.00
• 10" Suction control check valve	\$6,546.00
• 10" X 2' close nipple to attach valve	\$491.00
 Replacement Head shaft material and packing box bearing 	\$717.00
 Replacement Airline fittings and related equipment 	\$410.00
Replacement SST Airline	\$1,233.00
• Bolting and gasket kit, Motor oil and field consumables	\$82.00
 Electrical components to connect motor leads 	\$137.00
 Miscellaneous consumables including fittings, tape, banding etc. 	\$1,364.00
Estimated Freight	\$2,143.00
• Estimated local tax	\$3,261.56
Total Estimated Materials/Rental (Taxable)	<u>\$48,248.56</u>
Total Invoice Draft	<u>\$116,265.65</u>



December 9, 2021

To:General ManagerFrom:Jozi Zabarsky, Customer Service ManagerSubject:Lobby Redesign

Objective: Complete the District's lobby remodel.

Action Required: Ratify the expenditures in exceedance of the General Manager's authority in the amount of \$416.26 made to J.E. Armstrong Architect, Inc., to complete architectural services for the District's lobby redesign.

Discussion: The Board approved the lobby redesign on August 5, 2021, to improve office safety and security. The District contracted J.E. Armstrong Architect, Inc., for architectural services to redesign the lobby. The contract amount was \$23,877.50. However, during demolition, additional architectural services were needed to ensure ADA compliance. The final invoice received exceeded the General Manager's spending authority of \$25,000 by \$416.26.

Staff requests the Board ratify expenditures exceeding the General Manager's spending authority.

This is an approved capital improvement project in the Fiscal Year 2021-22 Budget with a budgeted amount of \$300,000.00.

Board of Directors AI E. Fox Division 1 Jeffrey C. Brown Division 2 Timothy H. Hoag Division 3 Eugene F. West Division 4 Terry L. Foreman Division 5

General Manager Tony L. Stafford



December 9, 2021

To:Board of DirectorsFrom:Tony Stafford, General ManagerSubject:Real Estate Developments

Objective: Discuss real estate developments occurring within the District service area.

Action Required: No action necessary; for information only.

Discussion: There are a handful of real estate developments within the District service area in various stages of planning and pre-construction. Camrosa maintains its moratorium on unmitigated new demand, which, with the Board's adoption of Resolution 2014-08 on August 14, 2014, was extended to all classes of water: potable, nonpotable, and recycled. This moratorium requires that new developments "bring their own water" equal to or greater than the proposed demand of the development. This often takes the form of a pro-rata contribution to existing water-supply projects the District is pursuing.

Single-family homes with a meter size of one inch or less, including renovations and the addition of accessory dwelling units ("ADUs"), are exempted from the moratorium.

During the height of the last dry period, once the Board declared a Stage Three Drought Emergency on August of 2015, no new potable connections were allowed. Nonpotable and recycled water connections had to be mitigated. Three developments that had received Water Availability Letters but had not received Water Will Serve Letters entered into agreements with the District to provide, in addition to their development's anticipated supply, a "drought demand offset" equal to the required Districtwide conservation target established by the Brown administration (originally 36 percent, adjusted down to 32 percent). This requirement expired with the drought emergency; the Board rescinded all drought stages on May 4, 2017.

On October 19, 2021, Governor Newsom issued a Proclamation that expanded the Drought Proclamation statewide, now covering all 58 counties. Discussion is ongoing among the state administration and our imported water wholesalers regarding potential conservation actions should the current dry period extend through the 2021-22 rainy season. Given this environment, the Board may wish to discuss the District's policy towards issuing Water Will Serve letters to new development.

Staff will brief the Board on developments in progress and the current moratorium on unmitigated demand.

Board of Directors Al E. Fox Division 1 Jeffrey C. Brown Division 2 Timothy H. Hoag Division 3 Eugene F. West Division 4 Terry L. Foreman Division 5

General Manager Tony L. Stafford

Agenda Item #11



NEWS FOR IMMEDIATE RELEASE

December 1, 2021

Contact: Ryan Endean, Public Affairs, Department of Water Resources <u>Ryan.endean@water.ca.gov</u>

DWR Announces Initial State Water Project Allocation, Additional Actions to Prepare for Third Dry Year

SACRAMENTO, Calif. – Today, the Department of Water Resources (DWR) announced its initial State Water Project (SWP) allocation for 2022 along with several steps to manage the state's water supply in anticipation of a third dry year with reservoirs at or near historic lows.

Given the unprecedented drought conditions, the SWP's initial allocation for December 1 will focus on the health and safety needs for 2022 of the 29 water agencies that contract to receive SWP supplies. DWR has advised these water agencies to expect an initial allocation that prioritizes health and safety water needs and that the SWP will not be planning water deliveries through its typical allocation process until the state has a clearer picture of the hydrologic and reservoir conditions going into the spring.

DWR is focused on prioritizing water supply in four categories: water for health and safety needs and Delta salinity control; water for endangered species; water to reserve in storage; and water for additional supply allocations if the hydrology allows.

"Despite a wet start to the water year, conditions have dried out since that first storm and we are still planning for a below-average water year. That means we need to prepare now for a dry winter and severe drought conditions to continue through 2022," said DWR Director Karla Nemeth. "We will be working with our federal partners and SWP contractors to take a conservative planning approach to balance limited water supplies with the needs of residents, businesses, and the environment."

In addition to limiting the initial allocation to health and safety needs, DWR is making plans to adjust SWP operations this winter and spring. DWR is capturing and storing water when possible in Lake Oroville and south of the Delta in San Luis Reservoir to increase available

supplies for 2022 and will continue to do so throughout the winter. Health and safety demands for the Bay Area and Central and Southern California will be met with water available from the Delta as well as water stored in San Luis Reservoir. Water in Lake Oroville will be reserved to maintain Delta water quality, protect endangered species, and meet senior water right needs. Beyond minimal exports to meet South Bay health and safety needs, water stored in Lake Oroville will be used for south of Delta deliveries only if hydrology conditions improve. DWR plans to conserve as much storage as possible in Oroville in anticipation of a third dry year, and potentially a dry 2023.

Also, today, DWR along with the U.S. Bureau of Reclamation, submitted a new Temporary Urgency Change Petition (TUCP) to the State Water Resources Control Board. If approved, the petition would allow for the State Water Project and the Central Valley Project to operate under modifications to the water quality and water right permit requirements in the Delta from February through April 2022, should conditions warrant. These modifications may be needed to conserve water in Lake Oroville to ensure minimum health and safety water supplies are available later in the year if dry conditions persist. If significant precipitation materializes in the next few months, standards may be met through natural means and modifications to SWP and CVP operations may not be necessary.

DWR is also delaying the removal of the Emergency Drought Salinity Barrier in the Delta. The rock barrier across West False River was scheduled to be removed by November 30, however drought conditions have persisted and leaving the barrier in place will enable a more efficient drought response in spring 2022 if needed. DWR plans to create a notch in the barrier in January 2022 to allow for fish passage and boat traffic until April 2022.

"It is going to take a multi-pronged approach to successfully respond to these unprecedented drought conditions," said Nemeth.

Each year, DWR provides the initial State Water Project allocation by December 1 based on available water storage and projected water supply demands. Allocations are updated monthly as snowpack and runoff information is assessed, with a final allocation typically determined in May or June.

The lowest initial allocations were 5 percent in 2010 and 2014. Last year, the initial SWP allocation was 10 percent, however due to increasing dry conditions, the final allocation was lowered to 5 percent.

Resources

- Latest on California's Drought Response
- <u>Current Statewide Reservoir Conditions</u>
- Save Our Water: Tips to Conserve Water During a Drought

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For more information, follow us on *Twitter* or *Facebook* and read our *news releases* and *DWR updates*.



The Metropolitan Water District of Southern California



P. O. Box 54153, Los Angeles, California 90054-0153 • (213) 217-6485 • www.mwdh2o.com

Contacts: Rebecca Kimitch, (213) 217-6450; (202) 821-5253, mobile Maritza Fairfield, (213) 217-6853; (909) 816-7722, mobile

Dec. 1, 2021

METROPOLITAN GENERAL MANAGER ISSUES STATEMENT ON ANNOUNCEMENT OF ZERO PERCENT ALLOCATION FOR STATE WATER PROJECT

Adel Hagekhalil, general manager of the Metropolitan Water District of Southern California, issues the following statement on the Department of Water Resources' announcement today of a zero percent initial State Water Project allocation:

"The conditions on the State Water Project are unlike anything we've ever seen before. While we certainly hope they improve, we must be prepared for the reality that the state project may not have any water to allocate in 2022. Parts of Southern California depend on this supply almost exclusively for their water. We are working with our member agencies serving those communities – in parts of Ventura and northern Los Angeles counties as well as the Inland Empire – to make sure residents and businesses understand the severity and complexity of the situation and are responding by reducing their water use as much as necessary. At the same time, Metropolitan will continue doing everything we can to get water from other sources to these communities.

"Metropolitan's board last month <u>declared a drought emergency</u> in anticipation of the zero percent allocation. While Southern California's diverse supply portfolio means other parts of our region can turn to water from the Colorado River and local sources during this time, the dramatic reduction of our Northern California supplies means we all must step up our conservation efforts. Earlier this year, Gov. Newsom asked all Californians to voluntarily reduce their water use by 15 percent. We all need to keep working toward this goal. Reduce the amount you are watering outside by a day, or two. Take shorter showers. Fix leaks. If we all do our part, we'll get through this together."

"Climate change is creating a new normal. Looking ahead, we need to increase our investments in water efficiency, recycling and storage. Southern California has done a lot, but we need to do more. And we can't do it alone. We need our state and federal partners to help accelerate these investments through a coordinated strategy for resilient, integrated and balanced water management. We are one."

###

The Metropolitan Water District of Southern California is a state-established cooperative that, along with its 26 cities and retail suppliers, provide water for 19 million people in six counties. The district imports water from the Colorado River and Northern California to supplement local supplies, and helps its members to develop increased water conservation, recycling, storage and other resource-management programs.

CONEJO - LAS VIRGENES REGIONAL DROUGHT PARTNERSHIP

LAS VIRGENES MUNICIPAL WATER DISTRCT - CALLEGUAS MUNICIPAL WATER DISTRICT - TRIUNFO WATER AND SANITATION DISTRICT







Local Water Districts Call for Urgent Conservation Action in Response to 0% Allocation Announcement as Drought Impacts Worsen

Las Virgenes Municipal Water District (LVMWD), Triunfo Water & Sanitation District (TWSD), and Calleguas Municipal Water District (Calleguas) jointly request immediate water conservation action from all customers as the region faces worsening water supply challenges amid deepening drought conditions.

Contact: Mike McNutt, Public Affairs & Communications Manager 818-251-2124 (w) 614-390-7930 (c) <u>mmcnutt@lvmwd.com</u> Riki Clark, Public Affairs Associate 818-251-2129 (w) 909-646-0199 (c) <u>rclark@lvmwd.com</u>

For Immediate Release

December 1, 2021

Calabasas, CA – A collaborative of local water districts including LVMWD, TWSD, & Calleguas is urging significant water use reductions by their customers after the California Department of Water Resources (CADWR) announced a 0% initial allocation from the State Water Project (SWP) for the upcoming year. The December 1 announcement comes amid worsening drought conditions throughout the state.

With limited to no local sources of water, LVMWD, along with TWSD and Calleguas, depend heavily on imported water from the SWP purchased through the Metropolitan Water District of Southern California (MWD). Given their location in MWD's service area, all three agencies substantially rely on SWP supplies; only a limited amount of Colorado River water can reach the westernmost portion of MWD's service area due to pumping and infrastructure constraints – increasing the urgency to step up conservation actions locally. Logistically, the 0% allocation will impact this region the most.

Prior to the December 1 announcement, the CADWR signaled to water agencies throughout California to prepare for a 0% initial allocation from the SWP later this year. A 0% allocation means available water supplies will be prioritized to satisfy the health and safety needs of residents and businesses, but not for typical outdoor irrigation usage. Looking ahead, significant restrictions on outdoor watering may be required if snowpack conditions in the Northern Sierras do not improve this winter.

"This certainly isn't what anyone wanted to hear," commented LVMWD Board President Jay Lewitt. "We know that tightening water usage restrictions are difficult, and we appreciate all of our customers for stepping up to help all of us by conserving. We trust you to do your best and we hope you trust us to continue providing reliable water service through these challenging times. Getting through this means working together, for each other."

Another factor in this decision is the state's long-term precipitation forecast. California has experienced two consecutive dry water years, and La Niña indicates that dry conditions may persist throughout winter and spring for the entire Southwest U.S.

LVMWD, TWSD, and Calleguas call on all customers to kick their water conservation actions into high gear. This can be accomplished most efficiently outdoors, where up to 70% of all residential water use occurs. Replacing thirsty turf with drought-tolerant landscaping, installing efficient drip irrigation systems, checking for leaks, and replacing old watering timers with smart irrigation controllers can provide significant water and money savings.

LVMWD customers can visit <u>LVMWD.com/DroughtResponse</u> for more information on the District's Local Drought Emergency, restrictions under Stage 3 of its Water Shortage Contingency Plan, and penalties for excessive water use and wasteful practices.

"We urgently need to save water, period," said TWSD Board Chair Ray Tjulander. "Our region is no stranger to drought, and uniting to meet conservation needs has never been more critical."

TWSD customers can visit <u>triunfowsd.com</u> for more information on water usage guidelines, as well as conservation incentives offered by the District.

"The severity of this drought cannot be understated," stated Calleguas Board President Steve Blois. "Our region's water supply is already incredibly stressed – it is paramount that we get serious about conserving state water supplies wherever and however possible."

Calleguas customers can click <u>here</u> for more information on the resources their agency has to offer, as well as current water use guidelines.

Conservation rebates can be found at <u>www.socalwatersmart.com</u>.

The Conejo – Las Virgenes Regional Drought Partnership includes Las Virgenes Municipal Water District, Calleguas Municipal Water District, and Triunfo Water & Sanitation District. All three agencies are connected to the Metropolitan Water District of Southern California and rely on supplies from the State Water Project to meet customer demands. Together, they serve approximately 735,000 residential and commercial customers in Los Angeles and Ventura counties.

###



December 9, 2021

To: Board of Directors

From: General Manager

Subject: Closed Session Conference with Legal Counsel – Pending Litigation

Objective: To confer with and receive advice from counsel regarding pending litigation.

Action Required: No action necessary; for information only.

Discussion: Pending litigation may be discussed in closed session pursuant to paragraph (1) of subdivision (d) of Government Code section 54956.9.

Board of Directors Al E. Fox Division 1 Jeffrey C. Brown Division 2 Timothy H. Hoag Division 3 Eugene F. West Division 4 Terry L. Foreman Division 5

General Manager Tony L. Stafford



Read File

The following material is provided to members of the Board for information only and is not formally a part of the published agenda.

- A. Budget Development Schedule
- B. Change Order Listing (as of 11/8/21)
- C. Cash Balances (as of 10/31/21)
- D. 2022 Board Calendar

Staff Action	Date	Board Action
Requesting Action		
Receiving Action	_	
	12/9	FY 22-23 Budget Schedule
Request FY21-22 Program Accomplishments	1/10	7
Request FY22-23 Program Goals		
Request FY 21-22 Capital Projects & Fixed Assets Projections Request FY22-23 Capital Projects & Fixed Assets		
	1/13	
	1/27	
	2/10	2nd Qtr Review
Receive Program Accomplishments FY21-22 from Mgrs	2/11	1
Receive FY22-23 Program Goals from Mgrs		
Receive FY22-23 Capital Projects & Fixed Assets from Mgrs		
Receive FY21-22 Capital Projects & Fixed Assets projections]
Request End of Year Projections FY21-22	2/14	г
Request Draft of FY22-23 Expenses	2/14	
	2/24	
	3/10	Program Accomplishments FY21-22
·	5/10	Program Goals for FY22-23
Receive FY22-23 Expenses from Mgrs	3/11	1
Receive FY21-22 End of Year Projections from Mgrs		
FY22-23 Water Sales Projections		
FY22-23 Wastewater Sales Projections FY22-23 Tax Revenue Projections		
FY22-23 Interest/Misc. Revenue Projections		
FY22-23 Debt Service Expense Complete Draft Revenue/Expense Budget		
	3/24	FY21-22 Capital Projects Review FY22-23 Capital Projects & Fixed Assets
EV21 22 Deserve Belences		
FY21-22 Reserve Balances	3/25]
	4/7	End of Year Budget Projections FY21-22 Projected FY21-22 Reserve Balances
	A/24	3rd Qtr Review
	4/21	ard Qtr Review Draft Revenue Budget
		Draft Expense Budget
		Projected FY22-23 Reserve Balances
	5/12	
	5/26	Appropriation Limit for FY22-23
	0.20	Draft FY22-23 Budget
	6/9	Adoption of FY22-23 Budget
	6/23	

						CURRE	ENT PROJECT CHANG	SE ORDERS						
Project # 900-18-01	PW/Agreement#	Project CWRF Chemical Storage & Feed System	Total Ś	Budget 1,057,500.00	Available Budget \$ 85,201	Contractor	Award Date	Brd/Gmgr	Change Order	Orig	inal Bid	N	Negotiated Value	Scope of Ser
500-10-01		contractionage & recusystem	<i>.</i>	1,037,300.00	÷ 05,201									engineering
	2019-58					Cannon Corporation	12/13/201	8 BD		\$	100,705.00	Ś	71 765 00	project to inc for the Chem
	2015 50					cameri corporation	9/19/201		CO #1	\$	1,700.00			Engineeering
							12/12/201		CO #2	\$	24,553.00			Construction
							6/23/202	0 GM	CO #3	\$	4,407.00	\$\$	4,407.00 96,816.00	_Construction
	S 19-05											Ŷ	50,010.00	
						Travis Ag	12/12/201			\$	747,862.00			Construction
							5/26/202 8/28/202		CO #1 CO #2	\$ \$	5,520.00 2,840.00			Modify single Provide addit
							2/16/202		CO #2	\$	8,335.02			Provide Foun
							11/23/202		CO #4	\$	11,335.55			Install 2 addi
												\$	774,882.06	
900-18-03		Effluent Pond Relining	\$	1,501,500.00	\$ 282,007	.62								
	2017-30					MNS Engineeers, Inc	7/27/201			\$	71,988.00			Award and u
							7/27/201 7/27/201		CO #1 CO #2	\$ \$	7,165.00 1,380.00			Geotechnical Groundwate
							2/28/201		CO #3	\$	1,380.00			Additional pr
							5/28/202		CO #4	\$	11,330.00			Services to a
							5/13/202	1 BD	CO#5	\$	15,355.00	\$		Engineering
												\$	124,233.00	
						Oakridge Geoscience, Inc.	5/13/202	1 BD				\$	22,200.00	compaction a
						. .	10/11/202		CO#1	\$	3,360.00	\$		supplementa
												\$	25,560.00	
	RW21-01					BOSCO Constructors, Inc.	5/13/202	1 BD		\$	1,055,401.00	\$	1,055,401.00	Construction
000 40 00			<u> </u>	2 450 000 00	¢ 4 005 646	27								
900-18-02	2017-33	CWRF Dewatering Press	\$	2,158,000.00	\$ 1,985,646	MNS Engineers, Inc.	8/31/201	.7 BD		\$	97,932.00	Ś	97.932.00	Award and u
							12/8/201		CO #1	\$	5,370.00			Surveying ser
							5/28/202		CO #2	\$	(44,900.00)		(44,900.00)	
							5/28/202		CO #3	\$	87,911.00			professional
							9/24/202	O BD	CO #4	\$	24,670.00	<u>\$</u> \$	24,670.00	Modify plans
												Ļ	170,585.00	
600-15-01	2015 55	Pressure Zone 2 - 3 Pump Station Engineering Design PZ 2 to 3	\$	1,280,000.00	\$ 64,860		4/22/201	5 PD		ć	33,200.00	ć	22 200 00	Award and u
	2015-55	Engineering Design P2 2 to 3				Perliter & Ingalsbe	4/23/201 11/19/201			\$	33,200.00	ې \$		Additional ou
							11/19/201		CO #1	\$	22,425.00			Surge Analys
							9/13/201	.8 BD	CO #2	\$	14,706.00	\$		Additional de
							3/20/201		CO #3	\$	2,900.00			Control diagr
							8/8/201		CO #4	\$	18,526.00			Engineering a
							9/22/201 8/23/202		CO #5 CO#6	\$ \$	3,000.00 4,200.00			T&M electric As-Builts
							-,,			*	.,	\$	131,664.00	
							- /- /							
	PW19-03					Pacific Hydrotech Corporation	8/8/201 5/29/202		CO #1A	\$ \$	1,059,401.00 16,953.91			Construct pu Mismarked w
							5/29/202		CO #1A	\$	887.95			Adjustment t
							5/11/202		CO #2	\$	11,500.00			_Extra work re
												\$	1,074,658.17	
650-15-01		PV Well (Lynwood Well)	\$	5,967,000.00	\$ 123,933	29								
	2014-56					Perliter & Ingalsbe	10/22/201			\$	156,600.00			Award and to
							5/26/201		CO #1	\$	2,950.00			Additional w
							11/15/201 11/7/201		CO #2 CO #3	\$ \$	3,821.00 14,922.00			PV well rende Prepare Pre-l
							7/26/201		CO #4	\$	8,826.00			Construction
							12/12/201		CO #5	\$	34,956.00			Review iron a
							9/2/202		CO #6	\$	3,090.00			T&M Future
							3/11/202		CO #7	\$	4,935.00			Finalize plans
							3/11/202 3/11/202		CO #8 CO #9	\$ \$	795.00 7,182.00			engineering of engineering of the second sec
							6/24/202		CO #10	\$	76,062.00			engineering
										\$	314,139.00	\$	314,139.00	
600-20-02		Conejo Wellfield Treatment	Ś	11,275,000.00	\$ 6,878,570	AE						Ś	3.00	
000-20-02	2020-86		¢	11,273,000.00		Provost & Pritchard	6/11/202	0 BD		\$	437,000.00			GAC Enginee
							9/4/202		CO#1	\$	5,000.00			alternative d
							9/29/202		CO#2	\$	7,000.00			second surve
							2/25/202 10/14/202		CO#3 CO#4	\$ \$	58,200.00 (10,200.25)			Environment Enviromenta
							10/14/202		CO#5	\$ \$	10,200.25			Phase CDFW
												\$	445,200.00	
400-22-01		District Headquarters Security	\$	300,000.00	\$ 78,376	.09								
	2020-75		7			J. E. Armstrong	2/12/202	0 GM		\$	18,900.00	\$	18,900.00	Architect inte

Scope of Services/Change Order Description

engineering services to rehabilitate the CRWF's chemical storage and feed system- Originally a combined project to include equipment storage shed. The project scope was reduced to eliminate storage shed and price for the Chemical Feed System was negotiated.

- Engineeering for 3 additional pumps
- Construction support services
- Construction support services
- Construction
- Modify single to dual chemical feed pump
- Provide additional skid mounting supports (total of 16)
- Provide Foundation Soil Stability for Canopy Footing
- Install 2 additional 4inch flange on top of tanks fosr ultrasonic sensor installation

Award and up to \$14,000 out-of-scope Geotechnical Investigations (Included in 7/27/20 BM) Groundwater management alternatives (Included in 7/27/20 BM) Additional project elements, slope stabilization and surface water management Services to amend and update plans and specs Engineering support services during construction

compaction and material testing services supplemental materials testing services

Construction of CWRF Effluent Storage Basin Improvements

Award and up to \$10,000 contingency Surveying services

- professional engineering services to amend and update existing plans and specifications
- Modify plans to rotate solids handling building 90 degrees
- Award and up to \$5,000 out-of scope
- Additional out-of-scope \$30,000 Flo Science
- Surge Analysis
- Additional design and construction services
- Control diagram drawing
- Engineering & construction support
- T&M electrical engineering support & other technical services as needed
- Construct pump stations
- Mismarked waterline rock excavation- Negotiated down from \$16,953.91
- Adjustment to Discharge Tie-in Point
- Extra work resulting in replacing of electrical for pump and motor
- Award and to amend up to \$15,000 for out-of-scope
- Additional work field locating
- PV well rendering
- Prepare Pre-bid documents for pump and motor
- Construction services to pump only installation
- Review iron and manganese filter & finalize contract plans & specs
- T&M Future FE/MN revisions
- Finalize plans and specifications
- engineering design of the removal of filters and reconfiguration of the diesel generator
- engineering design of the removal of filters and reconfiguration of the diesel generator
- engineering & construction support services
- GAC Engineering Design
- alternative design evaluation
- second survey for modified footprint and land acquisition
- Environmental compliance
- Enviromental compliance credit
- Phase CDFW/MMRP

					11/5/2020 GM	CO#1	\$ 4,977.50 _\$	4,977.50 ADA Compl
					, , , , , , ,		\$	23,877.50
FY22-007	/4			Apex	8/5/2021 BD		\$	208,500.00
					9/20/2021 GM	CO#1	\$	3,620.00 remove con
					10/18/2021 GM	CO#2	\$	500.00 install tile &
						CO #3	\$	- declined
						CO#4	\$	- declined
					11/9/2021 GM	CO#5	\$	1,955.00 Seal parking
					11/9/2021 GM	CO#6	\$	2,070.00 Install 2 8" p
					11/9/2021 GM	CO#7	\$	2,877.00 install concr
					11/19/2021 GM	CO#8	\$	(1,273.00) reduce sow
							\$	218,249.00
900-20-01	CWRF Emergency Generator Fuel Tank	\$	288,000.00 \$	61,818.29				
800-20-02	Pump Station #2 Generator Fuel Tank	\$	363,000.00 \$	56,828.22				
2020-80				Cannon	4/9/2020 BD		105,382.00 \$	95,772.00 Engineering
					2/11/2021 BD	CO#1	25,072.00 \$	12,734.00 Construction
							\$	108,506.00
				Naha Canatanatan	2/14/2024 00			207 704 00 (astallation
				Noho Constructors	2/11/2021 BD	00.00	297,701.00 \$	297,701.00 installation
					5/20/2021 GM	CO#1	2,667.00 \$	2,667.13 undergroun
					8/30/2021 GM	CO#2	2,360.00 \$	2,360.00 exchange 8
							\$	302,728.13
400-20-02	Reservoir 1B Comm Facility	\$	670,000.00 \$	56,090.04				
				Cannon	10/24/2019 BD		\$	70,752.00 Design servi
					7/22/2021 BD	CO# 1	\$	14,268.00 construction
							\$	85,020.00
800-20-04 800-20-03	Reservoir 4C Replacement	\$ \$	160,000.00 \$	110,503.00				
800-20-03	Reservoir 4C Hydro-pneumatic Pump Station	\$	160,000.00 \$	115,958.58				provide prot
				Cannon	1/14/2021 BD		\$ 297,855.00 \$	265,881.00 station repla
					, , -		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	provide add
					4/22/2021 BD	CO# 1	35,840.00 \$	35,840.00 pneumatic p
					7/12/2021	CO#2	0.00	0.00 slope stabili
					8/30/2021 GM	CO#3	3,347.00 \$	3,347.00 additional a
					0,00,2022 0	00110	\$	305,068.00
							Ş	305,068.00
650-22-02	Tierra Rejada Well	\$	295,000.00 \$	62,185.75				
				Hopkins Groundwater Consultants	11/16/2020 GM		3,960.00 \$	3,960.00 Task 1 Well
					2/1/2021 GM	CO#1	12,720.00 \$	12,720.00 Task 2,3,& 4
					6/25/2021 GM	CO#2	3,540.00 \$	3,540.00 Technical Su
					7/14/2021 GM	CO#3	3,240.00 \$	3,240.00 Additional to
					12/9/2021 BD	CO #4	5,490.00 \$	5,490.00 Additional in
							\$	28,950.00
				General Pump	8/15/2021 BD		\$	222,223.00 Rehabilitatio
				r.	10/21/2021 GM	CO#1	\$	950.00 Conduct dyr
					12/9/2021 BD	CO#2	Ś	32,925.50 Additional c
					12/9/2021 BD	CO#3	Ś	29,765.73 additional p
					, ,, 2021 00		\$	285,864.23
							Ç	203,004.23

emove concret & install install tile & stone declined declined Seal parking lot area Install 2 8" pipe ballards install concrete pedestrian ramp reduce sow for carpet installation and relocation of toilet partition

ngineering design services Construction support services

installation emergency standby generator and replacement fuel tank undergrounding conduits exchange 8 OCAL LB fittings for 8 OCAL explosion fittings

Design services for various communication improvements at Res1B radio site construction support services

provide professional engineering services for the Reservoir 4C welded steel tank and hydropneumatic pump station replacements

- provide additional professional engineering analysis for the Reservoir 4C welded steel tank and hydro-
- pneumatic pump station
- slope stability evaluation additional analysis eliminating reservoir storage

Task 1 Well Information Review and Analysis

- Task 2,3,& 4
- Technical Support. Review update specifications Task 5
- Additional technical support Task 2 & Task 3
- Additional inspection servies/spinner overview

Rehabilitation of Tierra Rejada Well Conduct dynamic video and provide report Additional cleaning

additional pump installation/removal

FUNDS FY 21-22

UNRESTRICTED FUNDS LAIF UNION BANK DEPOSIT ACCOUNT UNION BANK DISBURSEMENTS ACCOUNT BANK OF AMERICA-RTL ACCOUNT		JULY 29,063,071.14 540,806.84 709,022.24 402,940.55	AUGUST 29,063,071.14 652,148.31 1,191,275.90 521,841.75	SEPTEMBER 29,063,071.14 637,269.75 493,799.34 164,260.51	OCTOBER 28,460,564.62 640,504.35 693,438.01 363,986.18		6	NOVEMBER	DECEMBER	JANUARY
TOTAL	\$	30,715,840.77	\$ 31,428,337.10	\$ 30,358,400.74	\$ 30,158,493.16		\$	-	\$ -	\$ -
RESTRICTED FUNDS PAYMENT FUND 2016 RESERVES 2016 WATER ACQUISITION FUND 2016 INSURED CASH SHELTER ACCOUNT (Wastewa TOTAL	te \$	83.30 879,528.69 3,438,209.23 13,793.94 4,331,615.16	\$ 179.53 879,528.69 3,253,934.00 13,795.70 4,147,437.92	\$ 271.13 879,528.69 3,253,934.00 13,797.40 4,147,531.22	\$ 356.63 879,528.69 3,253,934.00 13,798.57 4,147,617.89	3	\$		\$	\$; <u>-</u>
GRAND TOTAL	\$	35,047,455.93	\$ 35,575,775.02	\$ 34,505,931.96	\$ 34,306,111.05		\$	-	\$ -	\$; -

Series 2016-Reserve Fund

Cusip Number	Financial Institution	Settlement Date	Coupon Rate	Maturity	Amount	Accrued Income
09248u445	Blackrock Liquidity Funds	10/19/2016	0.03%	N/A	879,528.69	18.91
Series 2016-Water Acquisition Fund						
Cusip Number	Financial Institution	Settlement Date	Coupon Rate	Maturity	Amount	Accrued Income
09248u445	Blackrock Liquidity Funds	10/19/2016	0.03%	N/A	3,253,934.00	69.44
ANTICIPATED OUTFLOWS				FINANCE MEETING		
Water Purchases October 2021	895,820.13	DA	ATE	11/16/2021		
Payroll PR 11-1, 11-2 & ME	350,000.00					
AP Check Run 11/10	600,000.00					
Large CIP Project Payments	-					
Bond Payments	-	To	ony Stafford -General Manager			
	\$ 1,845,820.13					

Tamara Sexton-Finance Manager

Sandra Llamas-Senior Accountant

MEETING NOTES:

1. LAIF received interest earnings through September 30, 2021 in the amount of \$17,493.48

2. A transfer from LAIF to operations in the amount of \$620,000 took place on October 29, 2021

3. The Reserve Fund earned \$18.30 in interest in the month of October. The full amount was transferred to the Payment Fund

4. The Water Acquisition Fund earned \$67.20 in interest in the month of October. The full amount was transferred to the Payment Fund

5. The Insured Cash Shelter Account earned \$1.17 in interest in the month of October

6. LAIF's average monthly rate of return for the period was 0.203%

2022 Camrosa Board Calendar

JANUARY								FEBRUARY										MARC	Ή			2022 Holidays
S	м	Т	w	Т	F	S	S	М	Т	W	Т	F	S		S	М	Τ	W	T	F	S	January 3 rd - New Year's Holiday (Observed)
Ĩ.			1	-	-	1	2	1	1	2	3	4	5				1	2	3	4	5	February 21 st - President's Day
2	3	4	5	6	7	8	6	7	8	9	10	11	12		6	7	8	9	10	11	12	May 30 th - Memorial Day
9	10	11	12	13	14	15	13	14	15	16	17	18	19		13	14	15	16	17	18	19	July 4 th - Independence Day
16	17	18	19	20	21	22	20	21	22	23	24	25	26		20	21	22	23	24	25	26	September 5 th - Labor Day
23	24	25	26	27	28	29	27	28							27	28	29	30	31			November 11 th - Veteran's Day
30	31			-			Ĵ.															November 24 th & 25 th - Thanksgiving
																						December 23rd & 26th - Christmas
			APRIL				l,			MAY							J	JUNE	JUNE			December 30 th - New Year's Eve
S	Μ	T	W	T	F	S	S	М	Т	W	Т	F	S		S	Μ	Τ	W	T	F	S	
				-	1	2	1	2	3	4	5	6	7					1	2	3	4	2022 Conferences
3	4	5	6	7	8	9	8	9	10	11	12	13	14		5	6	7	8	9	10	11	CASA Winter Conf. (Palm Springs) - Jan. 19th - 21st
10	11	12	13	14	15	16	15	16	17	18	19	20	21		12	13	14	15	16	17	18	ACWA Spring Conf. (Sacramento) - May 3rd - 6th
17	18	19	20	21	22	23	22	23	24	25	26	27	28		19	20	21	22	23	24	25	CASA 67th Annual Conf. (Squaw Creek) - Aug. 10th - 12th
24	25	26	27	28	29	30	29	30	31						26	27	28	29	30			ACWA Fall Conf. (Indian Wells) - Nov. 29th - Dec. 2nd
						1	1						ē	-							-	2022 AWA Meetings
			JULY	ē.					A	UGU	ST						SE	PTEM	BER			"Water Issues" Third Tuesday (except Apr., Aug., Dec.)
S	М	т	W	Т	F	S	S	М	Т	W	Т	F	S		S	М	Т	W	Т	F	S	Waterwise Breakfast (See yellow on calendar)
					1	2		1	2	3	4	5	6						1	2	3	AWA Board Meetings (See orange on calendar)
3	4	5	6	7	8	9	7	8	9	10	11	12	13		4	5	6	7	8	9	10	August - DARK (No Meetings or Events)
10	11	12	13	14	15	16	14	15	16	17	18	19	20		11	12	13	14	15	16	17	September 29 th - Reagan Library Reception
17	18	19	20	21	22	23	21	22	23	24	25	26	27		18	19	20	21	22	23	24	**DATE ?? - Annual Symposium**
24	25	26	27	28	29	30	28	29	30	31					25	26	27	28	29	30		December 8 th - Holiday Mixer
31			()	-										j.								
1																						2022 VCSDA Meetings
		0	стов	ER			l.	NOVEMBER DECEMBER										February 1 st - Annual Dinner				
S	M	T	W	T	F	S	S	М	T	W	T	F	S		S	M	T	W	T	F	S	April 5 th
		_				1	1		1	2	3	4	5				_		1	2	3	June 7 th
2	3	4	5	6	7	8	6	7	8	9	10	11	12		4	5	6	7	8	9	10	August 2 nd
9	10	11	12	13	14	15	13	14	15	16	17	18	19		11	12	13	14	15	16	17	October 4 th
16	17	18	19	20	21	22	20	21	22	23	24	25	26		18	19	20	21	22	23	24	December 6 th
23	24	25	26	27	28	29	27	28	29	30					25	26	27	28	29	30	31	
30		-				- 8	23						8	3								
			Distric											L C L C	Lines							
	7385 Santa Rosa Road Camarillo, CA. 93012						Note: Board of Directors meetings are highlighted in RED. Board Meetings are held on the 2nd & 4th Thursday of each month at 5pm unless indicated.															
Cama	arillo,	CA 9	3012				neld	on th	e <u>Zno</u>	6 4t	Thu	rsday	orea	icn mor	ntn a	it spn	nunle	ess in	dicate	20.		
		Calleguas Board Meetings are held 1st & 3rd Wednesday - 5:00 PM																				