

ATTACHMENT D

DIRECTORS
 Patrick Sweeney Bob Whitehouse
 President Director

 Steven Strickland Elizabeth Miles
 Vice President Director

 Ken Swenson
 Director



STAFF
 Gordon Stankowski Brenda Kane
 General Manager Billing Manager

 Rick Trites Nancy Veerkamp
 Meter Reading/Backflow Board Clerk/Admin

 Solano Irrigation District
 Operator & Maintenance

Rural North Vacaville Water District Survey November 27, 2023

468 surveys sent to District members (Survey A) and 230 surveys to parcels within the District Sphere of Influence (Survey B). 158 results 34% response Survey A. 32 results 14% response Survey B.

Survey A

Question: If you are a current customer of the District and are not using District water, do you expect that to change over the next 5 years?

Answers: Yes 17, No 72, N/A 69

Question: If you are a current customer of the District and using water only occasionally or seasonally, do you expect that to change over the next 5 years?

Answers: Yes 19, No 79, N/A 60

Question: If you are a current customer of the District, do you plan or anticipate the construction of a Secondary Dwelling Unit in the next 5 years to be built on your property?

Answers: Yes 20, No 120, N/A 18

Question: If you are a current customer of the District, and you have additional supplemental water rights, do you plan on subdivision of your property over the next 5 years?

Answers: Yes 7, No 63, N/A 88

Question: If you are NOT a current customer of the District, do you anticipate asking to join the water district and connect to the public water system in the next 5 years?

Answers: Yes 4, No 42, N/A 112

Survey B

Question: Do you anticipate requesting annexation to join the Rural North Vacaville Water District and connect to the public water system within the next five years?

Answers: Yes 3, No 21, Undecided 8

Comments: Generally state that the connection is too expensive.

The survey results tend to indicate an 8% potential change to the District metered water production with the addition of 20 Secondary Dwelling Units, several Supplemental Connections becoming developed and a few annexations over the next 5 years. An 8% increase is estimated as reported in the District's Water Management/Strategic Plan November 2023. It is very unlikely that this would impact the District's demand for additional water production considering the added water production from the now active Well #2.

ATTACHMENT E



July 21, 2023

Mr. Dale Motiska
 General Manager
 Rural North Vacaville Water District
 Vacaville, CA 94533
 via email: gm@rnvwd.com

Subject: On-Call General Engineering Support Services for Rural North Vacaville Water District

Dear Mr. Motiska:

Per your request, we have prepared this letter proposal to provide general engineering support services to the Rural North Vacaville Water District (District). It is anticipated that the engineering support services will be requested by the District on a task-order basis with the scope of work specified in a brief letter proposal for each task. Coastland | DCCM will respond to each request with a written cost estimate prior to beginning the work. We have attached Coastland | DCCM's Standard Agreement (Agreement) for your signature along with our current hourly rate schedule. We have enjoyed working for the District and look forward to supporting your additional engineering support services.

The initial task, Task 1, under this Agreement is a computer modeling effort of the existing distribution system to support Coastland | DCCM's opinion of the geographical boundaries that the existing system is capable of serving for fire and domestic service. Based on your discussion with George Hicks, we have put together the proposed scope of work and approach as described below. We have also included our opinion of the probable costs for completing Task 1.

TASK 1 – EXISTING DISTRIBUTION SYSTEM EVALUATION WITH MODELING

LAFCO's Resolution No. 2023-68 defined the Sphere of Influence (SOI) and Fire Service Areas (FSA) based on a subjective ranking system using LAFCO staff definitions for 'appropriate and probable' use in the Government Code and a compilation of assumptions and data from a collection of sources. In their staff report, LAFCO staff suggested that their approach was necessary due to the lack of an engineering study determining the area that can be served. To help address this issue, Coastland | DCCM proposes to determine the areal extent of the SOI and FSA using a simplified hydraulic 'model' of the existing District distribution. The model will define engineering conditions that parcels must meet to be serviced by the District for potable water or fire water. For example, locations within the distribution where water pressure is less than the required fire service flows and/or pressures will be identified in the model for the fire water service area.

The model will use pipe sizes, pipe lengths, tank elevations and valve locations provided by the District's GIS system. We assume that historical water use data will be provided from the District's metering system, and if available, through the District's SCADA system. Excel software will be used for the model using a 'skeleton' version of the existing distribution system. Modeling scenarios will be limited to one scenario for water service with the distribution system operating at the maximum daily demand with storage and well supply at fixed conditions and a second scenario for fire service with the distribution system operating at maximum hourly demand with storage and well supply also at fixed conditions.

<p>Santa Rosa 1400 Neotomas Avenue Santa Rosa, CA 95405 Tel: 707.571.8005</p>	<p>Auburn 11641 Blocker Drive, Ste. 170 Auburn, CA 95603 Tel: 530.888.9929</p>	<p>Pleasant Hill 3478 Buskirk Avenue, Ste. 1000 Pleasant Hill, CA 94523 Tel: 925.233.5333</p>	<p>Fairfield 420 Executive Court North, Ste. G Fairfield, CA 94534 Tel: 707.702.1961</p>
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www.coastlandcivil.com

July 21, 2023
RNVWD On-Call General Engineering Support and Task 1

SEVERABILITY

If a court of competent jurisdiction finds or rules that any provision of this Agreement is invalid, void, or unenforceable, the provisions of this Agreement not so adjudged will remain in full force and effect. The invalidity in whole or in part of any provision of this Agreement shall not void or affect the validity of any other provision of this Agreement.

IN WITNESS HEREOF, the parties have caused their authorized representative to execute this Agreement on this 14th day of July 2023.

DISTRICT:

(Rural North Vacaville Water District)

CONSULTANT:

(Coastland Civil Engineering, LLP)

By: *DALE MOTISKA*

By: _____

Name: DALE MOTISKA

Name: _____

Title: General Manager

Title: _____

Date: July 22, 2023

By: _____

Name: _____

Title: _____

Date: _____

COASTLAND DCCM

July 21, 2023
RNWWD On-Call General Engineering Support and Task 1

Modeling results will be delivered to the District in a draft Memorandum. Comments from the District and LAFCO will be incorporated into a draft Final Memorandum for presentation by the District's staff to the District Board of Directors. Comments from the District's board will be included into the Final Memorandum, which we presume will then be submittal to LAFCO.

Prior to beginning the modeling effort, Coastland | DCCM proposes a meeting with the Vacaville Fire Protection District (VFPD) and LAFCO staff to confirm the VFPD's pressure and flow requirements for fire service and confirm the modeling scenarios. Residual pressure values listed in the LAFCO resolution are higher than typical pressures required by surrounding fire districts and we believe should be discussed with the VFPD.

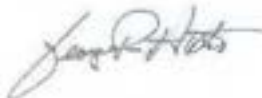
We propose having George Hicks serve as our project manager for these services. He will be supported by Hugh Miles and other Coastland | DCCM staff if/as needed. Attached is our estimate to complete the scope of work previously described. If additional work is necessary that exceeds this amount or falls outside this scope of work, we can work with you to amend the budget.

We hope this proposal meets with your approval. If you have any questions regarding this proposal, please do not hesitate to contact us. We appreciate this opportunity and look forward to continue working with the District.

Sincerely,



John L. Wanger, PE
CEO



George Hicks, PE
Supervising Engineer

COASTLAND CIVIL ENGINEERING, LLP

COASTLAND | DCCM

ATTACHMENT F

Rural North Vacaville Hydrant tests

From: Rich Seithel (rseithel@solanolafco.com)

To: dennis.fogleman@vfpd.net

Cc: clove@solanolafco.com

Date: Sunday, November 12, 2023 at 12:53 PM PST

Happy Sunday, Dennis

I am attaching two items: the District letter outlining the requirements for the Rural North Vacaville Water District, and recent test results provided by RNVWD. Do these test results meet the standards outlined in the attached letter from Chief Wood? If not, were the requirements changed? Do you accept and consider the hydrants tested as "passing"?

Thanks, Dennis

Rich

Rich Seithel
Executive Officer
Solano LAFCO
675 Texas St.
Suite 6700
Fairfield, CA 94533
(707) 439-3897



Inspections 11-6-23.pdf
4.1MB



1998 Chief Wood fire flow letter.pdf
1.5MB

**Inspection, Testing, and Maintenance Cover Sheet
NFPA25 as amended by CCR, Title 19**

Property Information:

Name:	<u>RURAL NORTH VACAVILLE WATER DISTRICT</u>	Occupancy/Use:	<u>R1</u>
Address:	<u>7689 OLIVAS LANE</u>	Construction Type:	<u></u>
City:	<u>VACAVILLE</u>	No. Stories:	<u></u>
ZIP:	<u>95688</u>	Year Constructed:	<u></u>
Contact:	<u>DALE</u>		
Telephone:	<u>(707) 564-0750</u>		



Contractor Information:

Number of System Risers

Name:	<u>National Fire Systems, Inc.</u>
Address:	<u>8521 Morrison Creek Drive</u>
City:	<u>Sacramento</u>
State:	<u>California</u>
Telephone:	<u>916-400-4290</u>
CA License#:	<u>C16-938059</u>
Job #:	<u></u>
Performed by:	<u>ALEJANDRO/LUIS</u>

Copy sent to:

<input checked="" type="checkbox"/> Owner	Date:	<u>11/06/23</u>
<input type="checkbox"/> Fire AHJ	Date:	<u></u>
<input type="checkbox"/> Contractor	Date:	<u></u>

NOTES:

1) For specific inspection, testing, and maintenance requirements and information, see NFPA 25, 2011 Edition as amended by California Code of Regulations, Title 19, §901 to §906.


2) Inspection items may be performed by the owner in accordance with California Code of Regulations, Title 19, §904.1(a)

**Check box for each system inspected and enter the number of forms used for inspection.
Check boxes (Fail or Pass) to indicate status of inspected system at end of inspection.**

Forms Included with this Report	NFPA 25 Chapter	Number of Forms	N/A	Fail*	Pass
<input type="checkbox"/> Automatic Sprinkler System	5	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Standpipe and Hose System	6	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Private Water Supply System	7	01	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Fire Pump	8	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Water Storage Tank	9	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Water Spray System	10	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Foam Water Sprinkler System	11	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Water Mist System	12	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Concerns that are not deficiencies (i.e. Non-Sprinklered Areas)				<input type="checkbox"/> Yes	<input type="checkbox"/> No

*See "Deficiencies and Comments" section at end of each respective form.

Private Fire Service Main	California Code of Regulations - Title 19 Inspection, Testing, and Maintenance	5-Year Report	1 of 2
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Property Information		Contractor or Licensed Owner Information
Building Name RURAL NORTH VACAVILLE WD		Name National Fire Systems, Inc.
Address 7689 OLIVAS LN.		Address 8521 Morrison Creek Drive
City VACAVILLE	License #	City Sacramento St. CA Zip 95828
Contact Person DALE	<input type="checkbox"/> SFM E-2407	Phone (916) 400-4290
Phone 707-564-0750	<input type="checkbox"/> CSLB C16-938059	Job #
		Misc.

5 Year Inspection, Testing and Maintenance
Includes ALL Quarterly and Annual Inspections, Tests, and Maintenance Items

I = Inspection T = Test M = Maintenance *P = Pass F = Fail N/A = Not Applicable*

Item		Description	NFPA 25 CA ed. Reference	Date	Comments Only	P, F, N/A
1.1	I	Control Valves – Identification Sign	13.3.1	11/06/23		N/A
1.2	I	Control Valves – Inspection	13.3.2	11/06/23		P
1.3	I	Hose Houses	7.2.2.7	11/06/23		N/A
1.4	I	Fire Department Connections	13.7	11/06/23		N/A
1.5	I	Pressure Reducing Valves	13.5.1.1	11/06/23		N/A
1.6	I	Backflow Preventers	13.6.1	11/06/23		N/A
1.7	I	Monitor Nozzles	7.2.2.6	11/06/23		N/A
1.8	I	Hydrants <i>(Dry Barrel and Wall)</i>	7.2.2.4 Table 7.2.2.4	11/06/23		N/A
1.9	I	Hydrants <i>(Wet Barrel)</i>	7.2.2.5 Table 7.2.2.5	11/06/23	1	P
1.10	I	Mainline Strainers	7.2.2.3 Table 7.2.2.3	11/06/23		N/A
1.11	I	Piping <i>(Exposed)</i>	7.2.2.1 Table 7.2.2.1.2	11/06/23		P
1.12	I	Hose	7.1.4 NFPA 1962	11/06/23		N/A
2.1	T	Control Valve - Positions	13.3.3.1	11/06/23		P
2.2	T	Control Valve - Operation	13.3.3	11/06/23		P
2.3	T	Monitor Nozzles	7.3.3	11/06/23		N/A
2.4	T	Hydrants - Flush	7.3.2	11/06/23		P
2.5	T	Supervisory Devices	13.3.3.5	11/06/23		N/A
2.6	T	Backflow Preventer Assemblies	13.6.2	11/06/23		N/A
2.7	T	Piping <i>(Exposed and Underground Evaluation)</i>	7.3.1.1	11/06/23	Record results in Deficiencies and Comments section	P
2.8	T	Water Supply Evaluation <i>(If required by 7.3.1.2)</i>	7.3.1.2	11/06/23	Record results below in Table for Water Supply Test Evaluation	P
2.9	T	Pressure Reducing Valve <i>Full Flow Test</i>	13.5.1.2	11/06/23		N/A
2.10	T	Hose	7.1.4 NFPA 1962	11/06/23		N/A

Standpipe and Hose System	California Code of Regulations - Title 19 Inspection, Testing, and Maintenance	5-Year Report	2 of 2
Property Information			
Building Name RURAL NORTH VACAVILLE WD			
Address 7689 OLIVAS LN.			
City VACAVILLE			
		Contractor or Licensed Owner Information	
		Name National Fire Systems, Inc.	
		Job #	

5-Year Inspection, Testing and Maintenance
Includes ALL Quarterly and Annual Inspections, Tests, and Maintenance Items

I = Inspection T = Test M = Maintenance		<i>P = Pass F = Fail N/A = Not Applicable</i>				
Item		Description	NFPA 25 CA ed. Reference	Date	Comments Only	P,F,N/A
3.1	M	Control Valves	13.3.4	11/06/23		P
3.2	M	Mainline Strainers	7.2.2.3 Table 7.2.2.3	11/06/23		N/A
3.3	M	Hose Houses	7.2.2.7 Table 7.2.2.7	11/06/23		N/A
3.4	M	Hydrants	7.4.2	11/06/23		P
3.5	M	Monitor Nozzles	7.4.3	11/06/23		N/A
3.6	M	FDC - Backflush	14.3.2.3 14.3.2.4	11/06/23		N/A
3.7	M	Internal Pipe Inspection: See Deficiencies and Comments Section for Results	14.2	11/06/23		P
3.8	M	Obstruction Investigation required. If "Yes", see Deficiencies and Comments Section for Results	14.3	11/06/23	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	P
3.9	M	System Returned to Service	4.5.3 15.7	11/06/23	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	P

If required by 7.3.1.2 - Table for Water Supply Test Evaluation (Item 2.8)

Flow Rate (gpm)		Static Pressure (psi)	100
Hose Stream Allowance (gpm)		Residual Pressure (psi)	35
Total System Demand (gpm)		Flow Rate (gpm)	1000
Required Pressure at Source (psi)		Available Pressure at Total System Demand (psi)	

D = Deficiency C = Comment (Indicate type)

Item	Date	Riser	D	C	Deficiencies and Comments <i>Indicate all equipment, devices and parts that were repaired or replaced</i>
	11/06/23			✓	HYDRANT IS ON THE STREET

<input type="checkbox"/> Check here if additional Deficiencies and Comments are listed on Form AES9	Number attached:
<input type="checkbox"/> See Correction Form AES 10 for corrected deficiencies.	Number attached:

I hereby certify that the fire protection equipment listed above has been fully inspected, tested, and maintained on this date by the company indicated above, in accordance with CCR, Title 19, Sections 901 to 906 and that the equipment is fully operable except as noted in the "Deficiencies and Comments" section of this form.

Print Name	ALEJANDRO ARAMBULA
Signature	Date 11/06/23

Inspection, Testing, and Maintenance Cover Sheet NFPA25 as amended by CCR, Title 19

Property Information:

Name: RURAL NORTH VACAVILLE WATER DISTRICT
 Address: 4238 SHADY CREEK
 City: VACAVILLE
 ZIP: 95688
 Contact: DALE
 Telephone: (707) 564-0750

Occupancy/Use: _____
 Construction Type: _____
 No. Stories: _____
 Year Constructed: _____



Contractor Information:

Number of System Risers

Name: National Fire Systems, Inc.
 Address: 8521 Morrison Creek Drive
 City: Sacramento
 State: California
 Telephone: 916-400-4290
 CA License#: C16-938059
 Job #: _____
 Performed by: ALEJANDRO/LUIS


Copy sent to:
 Owner Date: 11/06/23
 Fire AHJ Date: _____
 Contractor Date: _____

NOTES:
 1) For specific inspection, testing, and maintenance requirements and information, see NFPA 25, 2011 Edition as amended by California Code of Regulations, Title 19, §901 to §906.
 2) Inspection items may be performed by the owner in accordance with California Code of Regulations, Title 19, §904.1(a)

Check box for each system inspected and enter the number of forms used for inspection.
 Check boxes (Fail or Pass) to indicate status of inspected system at end of inspection.

Forms Included with this Report	NFPA 25 Chapter	Number of Forms	N/A	Fail*	Pass
<input type="checkbox"/> Automatic Sprinkler System	5	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Standpipe and Hose System	6	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Private Water Supply System	7	01	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Fire Pump	8	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Water Storage Tank	9	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Water Spray System	10	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Foam Water Sprinkler System	11	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Water Mist System	12	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Concerns that are not deficiencies (i.e. Non-Sprinklered Areas)				<input type="checkbox"/> Yes	<input type="checkbox"/> No

*See "Deficiencies and Comments" section at end of each respective form.

Private Fire Service Main	California Code of Regulations - Title 19 Inspection, Testing, and Maintenance	5-Year Report	1 of 2
Property Information		Contractor or Licensed Owner Information	
Building Name RURAL NORTH VACAVILLE WD		Name National Fire Systems, Inc.	
Address 4238 SHADY CREEK		Address 8521 Morrison Creek Drive	
City VACAVILLE		City Sacramento St. CA Zip 95828	
Contact Person DALE		License # <input type="checkbox"/> SFM E-2407 <input type="checkbox"/> CSLB C16-938059	
Phone 707-564-0750		Phone (916) 400-4290 Job # Misc.	

5 Year Inspection, Testing and Maintenance
Includes ALL Quarterly and Annual Inspections, Tests, and Maintenance Items

I = Inspection T = Test M = Maintenance		P = Pass F = Fail N/A = Not Applicable				
Item		Description	NFPA 25 CA ed. Reference	Date	Comments Only	P, F, N/A
1.1	I	Control Valves – Identification Sign	13.3.1	11/06/23		N/A
1.2	I	Control Valves – Inspection	13.3.2	11/06/23		P
1.3	I	Hose Houses	7.2.2.7	11/06/23		N/A
1.4	I	Fire Department Connections	13.7	11/06/23		N/A
1.5	I	Pressure Reducing Valves	13.5.1.1	11/06/23		N/A
1.6	I	Backflow Preventers	13.6.1	11/06/23		N/A
1.7	I	Monitor Nozzles	7.2.2.6	11/06/23		N/A
1.8	I	Hydrants <i>(Dry Barrel and Wall)</i>	7.2.2.4 Table 7.2.2.4	11/06/23		N/A
1.9	I	Hydrants <i>(Wet Barrel)</i>	7.2.2.5 Table 7.2.2.5	11/06/23	1	P
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1.12	I	Hose	7.1.4 NFPA 1962	11/06/23		N/A
2.1	T	Control Valve - Positions	13.3.3.1	11/06/23		P
2.2	T	Control Valve - Operation	13.3.3	11/06/23		P
2.3	T	Monitor Nozzles	7.3.3	11/06/23		N/A
2.4	T	Hydrants - Flush	7.3.2	11/06/23		P
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2.7	T	Piping <i>(Exposed and Underground Evaluation)</i>	7.3.1.1	11/06/23	Record results in Deficiencies and Comments section	P
2.8	T	Water Supply Evaluation <i>(If required by 7.3.1.2)</i>	7.3.1.2	11/06/23	Record results below in Table for Water Supply Test Evaluation	P
2.9	T	Pressure Reducing Valve <i>Full Flow Test</i>	13.5.1.2	11/06/23		N/A
2.10	T	Hose	7.1.4 NFPA 1962	11/06/23		N/A

Standpipe and Hose System	California Code of Regulations - Title 19 Inspection, Testing, and Maintenance	5-Year Report	2 of 2
Property Information			
Building Name RURAL NORTH VACAVILLE WD			
Address 4238 SHADY CREEK			
City VACAVILLE			
		Contractor or Licensed Owner Information	
		Name National Fire Systems, Inc.	
		Job #	

5-Year Inspection, Testing and Maintenance
Includes ALL Quarterly and Annual Inspections, Tests, and Maintenance Items

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3.3	M	Hose Houses	7.2.2.7 Table 7.2.2.7	11/06/23		N/A
3.4	M	Hydrants	7.4.2	11/06/23		P
3.5	M	Monitor Nozzles	7.4.3	11/06/23		N/A
3.6	M	FDC - Backflush	14.3.2.3 14.3.2.4	11/06/23		N/A
3.7	M	Internal Pipe Inspection: See Deficiencies and Comments Section for Results	14.2	11/06/23		P
3.8	M	Obstruction Investigation required. If "Yes", see Deficiencies and Comments Section for Results	14.3	11/06/23	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	P
3.9	M	System Returned to Service	4.5.3 15.7	11/06/23	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	P

If required by 7.3.1.2 - Table for Water Supply Test Evaluation (Item 2.8)

Flow Rate (gpm)		Static Pressure (psi)	95
Hose Stream Allowance (gpm)		Residual Pressure (psi)	20
Total System Demand (gpm)		Flow Rate (gpm)	750
Required Pressure at Source (psi)		Available Pressure at Total System Demand (psi)	

D = Deficiency C = Comment (Indicate type)

Item	Date	Riser	D	C	Deficiencies and Comments <i>Indicate all equipment, devices and parts that were repaired or replaced</i>
	11/06/23			✓	HYDRANT LOCATED ON THE STREET

<input type="checkbox"/> Check here if additional Deficiencies and Comments are listed on Form AES9	Number attached:
<input type="checkbox"/> See Correction Form AES 10 for corrected deficiencies.	Number attached:

I hereby certify that the fire protection equipment listed above has been fully inspected, tested, and maintained on this date by the company indicated above, in accordance with CCR, Title 19, Sections 901 to 906 and that the equipment is fully operable except as noted in the "Deficiencies and Comments" section of this form.

Print Name	ALEJANDRO ARAMBULA		
Signature		Date	11/06/23

Inspection, Testing, and Maintenance Cover Sheet NFPA25 as amended by CCR, Title 19

Property Information:

Name: RURAL NORTH VACAVILLE WATER DISTRICT
 Address: ENGLISH HILL & STATE DRIVE
 City: VACAVILLE
 ZIP: 95688
 Contact: DALE
 Telephone: (707) 564-0750

Occupancy/Use: _____
 Construction Type: _____
 No. Stories: _____
 Year Constructed: _____



Contractor Information:

Number of System Risers

Name: National Fire Systems, Inc.
 Address: 8521 Morrison Creek Drive
 City: Sacramento
 State: California
 Telephone: 916-400-4290
 CA License#: C16-938059
 Job #: _____
 Performed by: ALEJANDRO/LUIS

Copy sent to:
 Owner Date: 11/06/23
 Fire AHJ Date: _____
 Contractor Date: _____


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Check box for each system inspected and enter the number of forms used for inspection.
 Check boxes (Fail or Pass) to indicate status of inspected system at end of inspection.

Forms Included with this Report	NFPA 25 Chapter	Number of Forms	N/A	Fail*	Pass
<input type="checkbox"/> Automatic Sprinkler System	5	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Standpipe and Hose System	6	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Private Water Supply System	7	01	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Fire Pump	8	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Water Storage Tank	9	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Water Spray System	10	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Foam Water Sprinkler System	11	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Water Mist System	12	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Concerns that are not deficiencies (i.e. Non-Sprinklered Areas)				<input type="checkbox"/> Yes	<input type="checkbox"/> No

*See "Deficiencies and Comments" section at end of each respective form.

Private Fire Service Main	California Code of Regulations - Title 19 Inspection, Testing, and Maintenance	5-Year Report	1 of 2
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Property Information		Contractor or Licensed Owner Information
Building Name RURAL NORTH VACAVILLE WD		Name National Fire Systems, Inc.
Address ENGLISH HILL & STATE DRIVE		Address 8521 Morrison Creek Drive
City VACAVILLE	License #	City Sacramento St. CA Zip 95828
Contact Person DALE	<input type="checkbox"/> SFM E-2407	Phone (916) 400-4290
Phone 707-564-0750	<input type="checkbox"/> CSLB C16-938059	Job #
		Misc.

5 Year Inspection, Testing and Maintenance
Includes ALL Quarterly and Annual Inspections, Tests, and Maintenance Items

I = Inspection T = Test M = Maintenance *P = Pass F = Fail N/A = Not Applicable*

Item		Description	NFPA 25 CA ed. Reference	Date	Comments Only	P, F, N/A
1.1	I	Control Valves – Identification Sign	13.3.1	11/06/23		N/A
1.2	I	Control Valves – Inspection	13.3.2	11/06/23		P
1.3	I	Hose Houses	7.2.2.7	11/06/23		N/A
1.4	I	Fire Department Connections	13.7	11/06/23		N/A
1.5	I	Pressure Reducing Valves	13.5.1.1	11/06/23		N/A
1.6	I	Backflow Preventers	13.6.1	11/06/23		N/A
1.7	I	Monitor Nozzles	7.2.2.6	11/06/23		N/A
1.8	I	Hydrants <i>(Dry Barrel and Wall)</i>	7.2.2.4 Table 7.2.2.4	11/06/23		N/A
1.9	I	Hydrants <i>(Wet Barrel)</i>	7.2.2.5 Table 7.2.2.5	11/06/23	1	P
1.10	I	Mainline Strainers	7.2.2.3 Table 7.2.2.3	11/06/23		N/A
1.11	I	Piping <i>(Exposed)</i>	7.2.2.1 Table 7.2.2.1.2	11/06/23		P
1.12	I	Hose	7.1.4 NFPA 1962	11/06/23		N/A
2.1	T	Control Valve - Positions	13.3.3.1	11/06/23		P
2.2	T	Control Valve - Operation	13.3.3	11/06/23		P
2.3	T	Monitor Nozzles	7.3.3	11/06/23		N/A
2.4	T	Hydrants - Flush	7.3.2	11/06/23		P
2.5	T	Supervisory Devices	13.3.3.5	11/06/23		N/A
2.6	T	Backflow Preventer Assemblies	13.6.2	11/06/23		N/A
2.7	T	Piping <i>(Exposed and Underground Evaluation)</i>	7.3.1.1	11/06/23	Record results in Deficiencies and Comments section	P
2.8	T	Water Supply Evaluation <i>(If required by 7.3.1.2)</i>	7.3.1.2	11/06/23	Record results below in Table for Water Supply Test Evaluation	P
2.9	T	Pressure Reducing Valve <i>Full Flow Test</i>	13.5.1.2	11/06/23		N/A
2.10	T	Hose	7.1.4 NFPA 1962	11/06/23		N/A

Standpipe and Hose System	California Code of Regulations - Title 19 Inspection, Testing, and Maintenance	5-Year Report	2 of 2
Property Information			
Building Name RURAL NORTH VACAVILLE WD			
Address ENGLISH HILL & STATE DRIVE			
City VACAVILLE			
		Contractor or Licensed Owner Information	
		Name National Fire Systems, Inc.	
		Job #	

5-Year Inspection, Testing and Maintenance
Includes ALL Quarterly and Annual Inspections, Tests, and Maintenance Items

I = Inspection T = Test M = Maintenance		<i>P = Pass F = Fail N/A = Not Applicable</i>				
Item		Description	NFPA 25 CA ed. Reference	Date	Comments Only	P,F,N/A
3.1	M	Control Valves	13.3.4	11/06/23		P
3.2	M	Mainline Strainers	7.2.2.3 Table 7.2.2.3	11/06/23		N/A
3.3	M	Hose Houses	7.2.2.7 Table 7.2.2.7	11/06/23		N/A
3.4	M	Hydrants	7.4.2	11/06/23		P
3.5	M	Monitor Nozzles	7.4.3	11/06/23		N/A
3.6	M	FDC - Backflush	14.3.2.3 14.3.2.4	11/06/23		N/A
3.7	M	Internal Pipe Inspection: See Deficiencies and Comments Section for Results	14.2	11/06/23		P
3.8	M	Obstruction Investigation required. If "Yes", see Deficiencies and Comments Section for Results	14.3	11/06/23	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	P
3.9	M	System Returned to Service	4.5.3 15.7	11/06/23	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	P

If required by 7.3.1.2 - Table for Water Supply Test Evaluation (Item 2.8)

Flow Rate (gpm)		Static Pressure (psi)	90
Hose Stream Allowance (gpm)		Residual Pressure (psi)	5
Total System Demand (gpm)		Flow Rate (gpm)	460
Required Pressure at Source (psi)		Available Pressure at Total System Demand (psi)	

D = Deficiency C = Comment (Indicate type)

Item	Date	Riser	D	C	Deficiencies and Comments <i>Indicate all equipment, devices and parts that were repaired or replaced</i>
	11/06/23			✓	HYDRANT LOCATED ON THE STREET
	11/06/23			✓	CITY WORKING ON WATER LINE MAY AFFECTED PRESSURE TEST

<input type="checkbox"/> Check here if additional Deficiencies and Comments are listed on Form AES9	Number attached:
<input type="checkbox"/> See Correction Form AES 10 for corrected deficiencies.	Number attached:

I hereby certify that the fire protection equipment listed above has been fully inspected, tested, and maintained on this date by the company indicated above, in accordance with CCR, Title 19, Sections 901 to 906 and that the equipment is fully operable except as noted in the "Deficiencies and Comments" section of this form.

Print Name	ALEJANDRO ARAMBULA		
Signature		Date	11/06/23

Inspection, Testing, and Maintenance Cover Sheet NFPA25 as amended by CCR, Title 19

Property Information:

Name: RURAL NORTH VACAVILLE WATER DISTRICT
 Address: WEST RANCH LN & SKY HAWK LN
 City: VACAVILLE
 ZIP: 95688
 Contact: DALE
 Telephone: (707) 564-0750

Occupancy/Use: _____
 Construction Type: _____
 No. Stories: _____
 Year Constructed: _____



Contractor Information:

Number of System Risers

Name: National Fire Systems, Inc.
 Address: 8521 Morrison Creek Drive
 City: Sacramento
 State: California
 Telephone: 916-400-4290
 CA License#: C16-938059
 Job #: _____
 Performed by: ALEJANDRO-LUIS

Copy sent to:
 Owner Date: 11/06/23
 Fire AHJ Date: _____
 Contractor Date: _____


NOTES:
 1) For specific inspection, testing, and maintenance requirements and information, see NFPA 25, 2011 Edition as amended by California Code of Regulations, Title 19, §901 to §906.
 2) Inspection items may be performed by the owner in accordance with California Code of Regulations, Title 19, §904.1(a)

Check box for each system inspected and enter the number of forms used for inspection.
 Check boxes (Fail or Pass) to indicate status of inspected system at end of inspection.

Forms Included with this Report	NFPA 25 Chapter	Number of Forms	N/A	Fail*	Pass
<input type="checkbox"/> Automatic Sprinkler System	5	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Standpipe and Hose System	6	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Private Water Supply System	7	01	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Fire Pump	8	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Water Storage Tank	9	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Water Spray System	10	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Foam Water Sprinkler System	11	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Water Mist System	12	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Concerns that are not deficiencies (i.e. Non-Sprinklered Areas)				<input type="checkbox"/> Yes	<input type="checkbox"/> No

*See "Deficiencies and Comments" section at end of each respective form.

Private Fire Service Main	California Code of Regulations - Title 19 Inspection, Testing, and Maintenance	5-Year Report	1 of 2
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Property Information		Contractor or Licensed Owner Information
Building Name RURAL NORTH VACAVILLE WD		Name National Fire Systems, Inc.
Address WEST RANCH LN & SKY HAWK LN		Address 8521 Morrison Creek Drive
City VACAVILLE	License #	City Sacramento St. CA Zip 95828
Contact Person DALE	<input type="checkbox"/> SFM E-2407	Phone (916) 400-4290
Phone 707-564-0750	<input type="checkbox"/> CSLB C16-938059	Job #
		Misc.

5 Year Inspection, Testing and Maintenance
Includes ALL Quarterly and Annual Inspections, Tests, and Maintenance Items

I = Inspection T = Test M = Maintenance *P = Pass F = Fail N/A = Not Applicable*

Item		Description	NFPA 25 CA ed. Reference	Date	Comments Only	P, F, N/A
1.1	I	Control Valves – Identification Sign	13.3.1	11/06/23		N/A
1.2	I	Control Valves – Inspection	13.3.2	11/06/23		P
1.3	I	Hose Houses	7.2.2.7	11/06/23		N/A
1.4	I	Fire Department Connections	13.7	11/06/23		N/A
1.5	I	Pressure Reducing Valves	13.5.1.1	11/06/23		N/A
1.6	I	Backflow Preventers	13.6.1	11/06/23		N/A
1.7	I	Monitor Nozzles	7.2.2.6	11/06/23		N/A
1.8	I	Hydrants <i>(Dry Barrel and Wall)</i>	7.2.2.4 Table 7.2.2.4	11/06/23		N/A
1.9	I	Hydrants <i>(Wet Barrel)</i>	7.2.2.5 Table 7.2.2.5	11/06/23	1	P
1.10	I	Mainline Strainers	7.2.2.3 Table 7.2.2.3	11/06/23		N/A
1.11	I	Piping <i>(Exposed)</i>	7.2.2.1 Table 7.2.2.1.2	11/06/23		P
1.12	I	Hose	7.1.4 NFPA 1962	11/06/23		N/A
2.1	T	Control Valve - Positions	13.3.3.1	11/06/23		P
2.2	T	Control Valve - Operation	13.3.3	11/06/23		P
2.3	T	Monitor Nozzles	7.3.3	11/06/23		N/A
2.4	T	Hydrants - Flush	7.3.2	11/06/23		P
2.5	T	Supervisory Devices	13.3.3.5	11/06/23		N/A
2.6	T	Backflow Preventer Assemblies	13.6.2	11/06/23		N/A
2.7	T	Piping <i>(Exposed and Underground Evaluation)</i>	7.3.1.1	11/06/23	Record results in Deficiencies and Comments section	P
2.8	T	Water Supply Evaluation <i>(If required by 7.3.1.2)</i>	7.3.1.2	11/06/23	Record results below in Table for Water Supply Test Evaluation	P
2.9	T	Pressure Reducing Valve <i>Full Flow Test</i>	13.5.1.2	11/06/23		N/A
2.10	T	Hose	7.1.4 NFPA 1962	11/06/23		N/A

Standpipe and Hose System **California Code of Regulations - Title 19** **5-Year Report** **2 of 2**
Inspection, Testing, and Maintenance

Property Information			Contractor or Licensed Owner Information	
Building Name	RURAL NORTH VACAVILLE WD		Name	National Fire Systems, Inc.
Address	WEST RANCH LN & SKY HAWK LN		Job #	
City	VACAVILLE			

5-Year Inspection, Testing and Maintenance
Includes ALL Quarterly and Annual Inspections, Tests, and Maintenance Items

I = Inspection T = Test M = Maintenance *P = Pass F = Fail N/A = Not Applicable*

Item		Description	NFPA 25 CA ed. Reference	Date	Comments Only	P, F, N/A
3.1	M	Control Valves	13.3.4	11/06/23		P
3.2	M	Mainline Strainers	7.2.2.3 Table 7.2.2.3	11/06/23		N/A
3.3	M	Hose Houses	7.2.2.7 Table 7.2.2.7	11/06/23		N/A
3.4	M	Hydrants	7.4.2	11/06/23		P
3.5	M	Monitor Nozzles	7.4.3	11/06/23		N/A
3.6	M	FDC - Backflush	14.3.2.3 14.3.2.4	11/06/23		N/A
3.7	M	Internal Pipe Inspection: See Deficiencies and Comments Section for Results	14.2	11/06/23		P
3.8	M	Obstruction Investigation required. If "Yes", see Deficiencies and Comments Section for Results	14.3	11/06/23	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	P
3.9	M	System Returned to Service	4.5.3 15.7	11/06/23	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	P

If required by 7.3.1.2 - Table for Water Supply Test Evaluation (Item 2.8)

Flow Rate (gpm)		Static Pressure (psi)	95
Hose Stream Allowance (gpm)		Residual Pressure (psi)	20
Total System Demand (gpm)		Flow Rate (gpm)	750
Required Pressure at Source (psi)		Available Pressure at Total System Demand (psi)	

D = Deficiency C = Comment (Indicate type)

Item	Date	Riser	D	C	Deficiencies and Comments <i>Indicate all equipment, devices and parts that were repaired or replaced</i>
	11/06/23			✓	HYDRANT LOCATED ON THE STREET

Check here if additional Deficiencies and Comments are listed on Form AES9 Number attached:
 See Correction Form AES 10 for corrected deficiencies. Number attached:

I hereby certify that the fire protection equipment listed above has been fully inspected, tested, and maintained on this date by the company indicated above, in accordance with CCR, Title 19, Sections 901 to 906 and that the equipment is fully operable except as noted in the "Deficiencies and Comments" section of this form.

Print Name: ALEJANDRO ARAMBULA
 Signature: _____ Date: 11/06/23

**Inspection, Testing, and Maintenance Cover Sheet
NFPA25 as amended by CCR, Title 19**

Property Information:

Name: RURAL NORTH VACAVILLE WATER DISTRICT
 Address: GIBSON CANYON & SHELLY LN
 City: VACAVILLE
 ZIP: 95688
 Contact: DALE
 Telephone: (707) 564-0750

Occupancy/Use: _____
 Construction Type: _____
 No. Stories: _____
 Year Constructed: _____



Contractor Information:

Number of System Risers

Name: National Fire Systems, Inc.
 Address: 8521 Morrison Creek Drive
 City: Sacramento
 State: California
 Telephone: 916-400-4290
 CA License#: C16-938059
 Job #: _____
 Performed by: ALEJANDRO-LUIS

Copy sent to:
 Owner Date: 11/06/23
 Fire AHJ Date: _____
 Contractor Date: _____


NOTES:
 1) For specific inspection, testing, and maintenance requirements and information, see NFPA 25, 2011 Edition as amended by California Code of Regulations, Title 19, §901 to §906.
 2) Inspection items may be performed by the owner in accordance with California Code of Regulations, Title 19, §904.1(a)

Check box for each system inspected and enter the number of forms used for inspection.
 Check boxes (Fail or Pass) to indicate status of inspected system at end of inspection.

Forms Included with this Report	NFPA 25 Chapter	Number of Forms	N/A	Fail*	Pass
<input type="checkbox"/> Automatic Sprinkler System	5	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Standpipe and Hose System	6	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Private Water Supply System	7	01	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Fire Pump	8	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Water Storage Tank	9	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Water Spray System	10	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Foam Water Sprinkler System	11	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Water Mist System	12	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Concerns that are not deficiencies (i.e. Non-Sprinklered Areas)				<input type="checkbox"/> Yes	<input type="checkbox"/> No

*See "Deficiencies and Comments" section at end of each respective form.

Private Fire Service Main **California Code of Regulations - Title 19** **5-Year Report** **1 of 2**
Inspection, Testing, and Maintenance

Property Information			Contractor or Licensed Owner Information	
Building Name	RURAL NORTH VACAVILLE WD		Name	National Fire Systems, Inc.
Address	GIBSON CANYON & SHELLY LN		Address	8521 Morrison Creek Drive
City	VACAVILLE		City	Sacramento St. CA Zip 95828
Contact Person	DALE		License #	Phone (916) 400-4290
Phone	707-564-0750	<input type="checkbox"/> SFM E-2407	Job #	
		<input type="checkbox"/> CSLB C16-938059	Misc.	

5 Year Inspection, Testing and Maintenance
Includes ALL Quarterly and Annual Inspections, Tests, and Maintenance Items

I = Inspection T = Test M = Maintenance *P = Pass F = Fail N/A = Not Applicable*

Item		Description	NFPA 25 CA ed. Reference	Date	Comments Only	P, F, N/A
1.1	I	Control Valves – Identification Sign	13.3.1	11/06/23		N/A
1.2	I	Control Valves – Inspection	13.3.2	11/06/23		P
1.3	I	Hose Houses	7.2.2.7	11/06/23		N/A
1.4	I	Fire Department Connections	13.7	11/06/23		N/A
1.5	I	Pressure Reducing Valves	13.5.1.1	11/06/23		N/A
1.6	I	Backflow Preventers	13.6.1	11/06/23		N/A
1.7	I	Monitor Nozzles	7.2.2.6	11/06/23		N/A
1.8	I	Hydrants <i>(Dry Barrel and Wall)</i>	7.2.2.4 Table 7.2.2.4	11/06/23		N/A
1.9	I	Hydrants <i>(Wet Barrel)</i>	7.2.2.5 Table 7.2.2.5	11/06/23	1	P
1.10	I	Mainline Strainers	7.2.2.3 Table 7.2.2.3	11/06/23		N/A
1.11	I	Piping <i>(Exposed)</i>	7.2.2.1 Table 7.2.2.1.2	11/06/23		P
1.12	I	Hose	7.1.4 NFPA 1962	11/06/23		N/A
2.1	T	Control Valve - Positions	13.3.3.1	11/06/23		P
2.2	T	Control Valve - Operation	13.3.3	11/06/23		P
2.3	T	Monitor Nozzles	7.3.3	11/06/23		N/A
2.4	T	Hydrants - Flush	7.3.2	11/06/23		P
2.5	T	Supervisory Devices	13.3.3.5	11/06/23		N/A
2.6	T	Backflow Preventer Assemblies	13.6.2	11/06/23		N/A
2.7	T	Piping <i>(Exposed and Underground Evaluation)</i>	7.3.1.1	11/06/23	Record results in Deficiencies and Comments section	P
2.8	T	Water Supply Evaluation <i>(If required by 7.3.1.2)</i>	7.3.1.2	11/06/23	Record results below in Table for Water Supply Test Evaluation	P
2.9	T	Pressure Reducing Valve <i>Full Flow Test</i>	13.5.1.2	11/06/23		N/A
2.10	T	Hose	7.1.4 NFPA 1962	11/06/23		N/A

Standpipe and Hose System **California Code of Regulations - Title 19** **5-Year Report** **2 of 2**
Inspection, Testing, and Maintenance

Property Information			Contractor or Licensed Owner Information	
Building Name	RURAL NORTH VACAVILLE WD		Name	National Fire Systems, Inc.
Address	GIBSON CANYON & SHELLY LN		Job #	
City	VACAVILLE			

5-Year Inspection, Testing and Maintenance
Includes ALL Quarterly and Annual Inspections, Tests, and Maintenance Items

I = Inspection		T = Test		M = Maintenance		P = Pass F = Fail N/A = Not Applicable	
Item		Description	NFPA 25 CA ed. Reference	Date	Comments Only	P, F, N/A	
3.1	M	Control Valves	13.3.4	11/06/23		P	
3.2	M	Mainline Strainers	7.2.2.3 Table 7.2.2.3	11/06/23		N/A	
3.3	M	Hose Houses	7.2.2.7 Table 7.2.2.7	11/06/23		N/A	
3.4	M	Hydrants	7.4.2	11/06/23		P	
3.5	M	Monitor Nozzles	7.4.3	11/06/23		N/A	
3.6	M	FDC - Backflush	14.3.2.3 14.3.2.4	11/06/23		N/A	
3.7	M	Internal Pipe Inspection: See Deficiencies and Comments Section for Results	14.2	11/06/23		P	
3.8	M	Obstruction Investigation required. If "Yes", see Deficiencies and Comments Section for Results	14.3	11/06/23		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
3.9	M	System Returned to Service	4.5.3 15.7	11/06/23		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

If required by 7.3.1.2 - Table for Water Supply Test Evaluation (Item 2.8)

Flow Rate (gpm)		Static Pressure (psi)	95
Hose Stream Allowance (gpm)		Residual Pressure (psi)	30
Total System Demand (gpm)		Flow Rate (gpm)	920
Required Pressure at Source (psi)		Available Pressure at Total System Demand (psi)	

D = Deficiency C = Comment (Indicate type)

Item	Date	Riser	D	C	Deficiencies and Comments
	11/06/23			✓	HYDRANT LOCATED ON THE STREET

<input type="checkbox"/> Check here if additional Deficiencies and Comments are listed on Form AES9	Number attached:
<input type="checkbox"/> See Correction Form AES 10 for corrected deficiencies.	Number attached:

I hereby certify that the fire protection equipment listed above has been fully inspected, tested, and maintained on this date by the company indicated above, in accordance with CCR, Title 19, Sections 901 to 906 and that the equipment is fully operable except as noted in the "Deficiencies and Comments" section of this form.

Print Name	ALEJANDRO ARAMBULA
Signature	Date 11/06/23

Inspection, Testing, and Maintenance Cover Sheet NFPA25 as amended by CCR, Title 19

Property Information:

Name: RURAL NORTH VACAVILLE WATER DISTRICT
 Address: 3851 JOSLIN LANE
 City: VACAVILLE
 ZIP: 95688
 Contact: DALE
 Telephone: (707) 564-0750

Occupancy/Use: _____
 Construction Type: _____
 No. Stories: _____
 Year Constructed: _____



Contractor Information:

Number of System Risers

Name: National Fire Systems, Inc.
 Address: 8521 Morrison Creek Drive
 City: Sacramento
 State: California
 Telephone: 916-400-4290
 CA License#: C16-938059
 Job #: _____
 Performed by: ALEJANDRO-LUIS


Copy sent to:
 Owner Date: 11/06/23
 Fire AHJ Date: _____
 Contractor Date: _____

NOTES:
 1) For specific inspection, testing, and maintenance requirements and information, see NFPA 25, 2011 Edition as amended by California Code of Regulations, Title 19, §901 to §906.
 2) Inspection items may be performed by the owner in accordance with California Code of Regulations, Title 19, §904.1(a)

Check box for each system inspected and enter the number of forms used for inspection.
 Check boxes (Fail or Pass) to indicate status of inspected system at end of inspection.

Forms Included with this Report	NFPA 25 Chapter	Number of Forms	N/A	Fail*	Pass
<input type="checkbox"/> Automatic Sprinkler System	5	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Standpipe and Hose System	6	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Private Water Supply System	7	01	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Fire Pump	8	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Water Storage Tank	9	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Water Spray System	10	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Foam Water Sprinkler System	11	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Water Mist System	12	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Concerns that are not deficiencies (i.e. Non-Sprinklered Areas)				<input type="checkbox"/> Yes	<input type="checkbox"/> No

*See "Deficiencies and Comments" section at end of each respective form.

Private Fire Service Main	California Code of Regulations - Title 19 Inspection, Testing, and Maintenance	5-Year Report	1 of 2
Property Information		Contractor or Licensed Owner Information	
Building Name RURAL NORTH VACAVILLE WD		Name National Fire Systems, Inc.	
Address 3851 JOSLIN LN		Address 8521 Morrison Creek Drive	
City VACAVILLE	License #	City Sacramento St. CA Zip 95828	Phone (916) 400-4290
Contact Person DALE	<input type="checkbox"/> SFM E-2407	Job #	
Phone 707-564-0750	<input type="checkbox"/> CSLB C16-938059	Misc.	

5 Year Inspection, Testing and Maintenance
Includes ALL Quarterly and Annual Inspections, Tests, and Maintenance Items

I = Inspection T = Test M = Maintenance		<i>P = Pass F = Fail N/A = Not Applicable</i>				
Item		Description	NFPA 25 CA ed. Reference	Date	Comments Only	P, F, N/A
1.1	I	Control Valves – Identification Sign	13.3.1	11/06/23		N/A
1.2	I	Control Valves – Inspection	13.3.2	11/06/23		P
1.3	I	Hose Houses	7.2.2.7	11/06/23		N/A
1.4	I	Fire Department Connections	13.7	11/06/23		N/A
1.5	I	Pressure Reducing Valves	13.5.1.1	11/06/23		N/A
1.6	I	Backflow Preventers	13.6.1	11/06/23		N/A
1.7	I	Monitor Nozzles	7.2.2.6	11/06/23		N/A
1.8	I	Hydrants <i>(Dry Barrel and Wall)</i>	7.2.2.4 Table 7.2.2.4	11/06/23		N/A
1.9	I	Hydrants <i>(Wet Barrel)</i>	7.2.2.5 Table 7.2.2.5	11/06/23	1	P
1.10	I	Mainline Strainers	7.2.2.3 Table 7.2.2.3	11/06/23		N/A
1.11	I	Piping <i>(Exposed)</i>	7.2.2.1 Table 7.2.2.1.2	11/06/23		P
1.12	I	Hose	7.1.4 NFPA 1962	11/06/23		N/A
2.1	T	Control Valve - Positions	13.3.3.1	11/06/23		P
2.2	T	Control Valve - Operation	13.3.3	11/06/23		P
2.3	T	Monitor Nozzles	7.3.3	11/06/23		N/A
2.4	T	Hydrants - Flush	7.3.2	11/06/23		P
2.5	T	Supervisory Devices	13.3.3.5	11/06/23		N/A
2.6	T	Backflow Preventer Assemblies	13.6.2	11/06/23		N/A
2.7	T	Piping <i>(Exposed and Underground Evaluation)</i>	7.3.1.1	11/06/23	Record results in Deficiencies and Comments section	P
2.8	T	Water Supply Evaluation <i>(If required by 7.3.1.2)</i>	7.3.1.2	11/06/23	Record results below in Table for Water Supply Test Evaluation	P
2.9	T	Pressure Reducing Valve <i>Full Flow Test</i>	13.5.1.2	11/06/23		N/A
2.10	T	Hose	7.1.4 NFPA 1962	11/06/23		N/A

Standpipe and Hose System **California Code of Regulations - Title 19** **5-Year Report** **2 of 2**
Inspection, Testing, and Maintenance

Property Information			Contractor or Licensed Owner Information	
Building Name	RURAL NORTH VACAVILLE WD		Name	National Fire Systems, Inc.
Address	3851 JOSLIN LN		Job #	
City	VACAVILLE			

5-Year Inspection, Testing and Maintenance
Includes ALL Quarterly and Annual Inspections, Tests, and Maintenance Items

I = Inspection		T = Test		M = Maintenance		P = Pass F = Fail N/A = Not Applicable	
Item		Description	NFPA 25 CA ed. Reference	Date	Comments Only	P, F, N/A	
3.1	M	Control Valves	13.3.4	11/06/23		P	
3.2	M	Mainline Strainers	7.2.2.3 Table 7.2.2.3	11/06/23		N/A	
3.3	M	Hose Houses	7.2.2.7 Table 7.2.2.7	11/06/23		N/A	
3.4	M	Hydrants	7.4.2	11/06/23		P	
3.5	M	Monitor Nozzles	7.4.3	11/06/23		N/A	
3.6	M	FDC - Backflush	14.3.2.3 14.3.2.4	11/06/23		N/A	
3.7	M	Internal Pipe Inspection: See Deficiencies and Comments Section for Results	14.2	11/06/23		P	
3.8	M	Obstruction Investigation required. If "Yes", see Deficiencies and Comments Section for Results	14.3	11/06/23		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	P
3.9	M	System Returned to Service	4.5.3 15.7	11/06/23		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	P

If required by 7.3.1.2 - Table for Water Supply Test Evaluation (Item 2.8)

Flow Rate (gpm)		Static Pressure (psi)	100
Hose Stream Allowance (gpm)		Residual Pressure (psi)	40
Total System Demand (gpm)		Flow Rate (gpm)	1060
Required Pressure at Source (psi)		Available Pressure at Total System Demand (psi)	

D = Deficiency C = Comment (Indicate type)

Item	Date	Riser	D	C	Deficiencies and Comments
<i>Indicate all equipment, devices and parts that were repaired or replaced</i>					
	11/06/23			✓	HYDRANT LOCATED ON THE STREET

<input type="checkbox"/> Check here if additional Deficiencies and Comments are listed on Form AES9	Number attached:
<input type="checkbox"/> See Correction Form AES 10 for corrected deficiencies.	Number attached:

I hereby certify that the fire protection equipment listed above has been fully inspected, tested, and maintained on this date by the company indicated above, in accordance with CCR, Title 19, Sections 901 to 906 and that the equipment is fully operable except as noted in the "Deficiencies and Comments" section of this form.

Print Name	ALEJANDRO ARAMBULA
Signature	Date 11/06/23

**Inspection, Testing, and Maintenance Cover Sheet
NFPA25 as amended by CCR, Title 19**

Property Information:

Name: RURAL NORTH VACAVILLE WATER DISTRICT
 Address: 3733 CANTELOW ROAD
 City: VACAVILLE
 ZIP: 95688
 Contact: DALE
 Telephone: (707) 564-0750

Occupancy/Use: _____
 Construction Type: _____
 No. Stories: _____
 Year Constructed: _____



Contractor Information:

Number of System Risers

Name: National Fire Systems, Inc.
 Address: 8521 Morrison Creek Drive
 City: Sacramento
 State: California
 Telephone: 916-400-4290
 CA License#: C16-938059
 Job #: _____
 Performed by: ALEJANDRO-LUIS


Copy sent to:
 Owner Date: 11/06/23
 Fire AHJ Date: _____
 Contractor Date: _____

NOTES:
 1) For specific inspection, testing, and maintenance requirements and information, see NFPA 25, 2011 Edition as amended by California Code of Regulations, Title 19, §901 to §906.
 2) Inspection items may be performed by the owner in accordance with California Code of Regulations, Title 19, §904.1(a)

Check box for each system inspected and enter the number of forms used for inspection.
 Check boxes (Fail or Pass) to indicate status of inspected system at end of inspection.

Forms Included with this Report	NFPA 25 Chapter	Number of Forms	N/A	Fail*	Pass
<input type="checkbox"/> Automatic Sprinkler System	5	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Standpipe and Hose System	6	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Private Water Supply System	7	01	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Fire Pump	8	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Water Storage Tank	9	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Water Spray System	10	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Foam Water Sprinkler System	11	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Water Mist System	12	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Concerns that are not deficiencies (i.e. Non-Sprinklered Areas)				<input type="checkbox"/> Yes	<input type="checkbox"/> No

*See "Deficiencies and Comments" section at end of each respective form.

Private Fire Service Main	California Code of Regulations - Title 19 Inspection, Testing, and Maintenance	5-Year Report	1 of 2	
Property Information		Contractor or Licensed Owner Information		
Building Name RURAL NORTH VACAVILLE WD		Name National Fire Systems, Inc.		
Address 3733 CANTELOW RD		Address 8521 Morrison Creek Drive		
City VACAVILLE		City Sacramento	St. CA	Zip 95828
Contact Person DALE		License # <input type="checkbox"/> SFM E-2407	Phone (916) 400-4290	
Phone 707-564-0750		<input type="checkbox"/> CSLB C16-938059	Job # Misc.	

5 Year Inspection, Testing and Maintenance
Includes ALL Quarterly and Annual Inspections, Tests, and Maintenance Items

I = Inspection T = Test M = Maintenance P = Pass F = Fail N/A = Not Applicable						
Item		Description	NFPA 25 CA ed. Reference	Date	Comments Only	P, F, N/A
1.1	I	Control Valves – Identification Sign	13.3.1	11/06/23		N/A
1.2	I	Control Valves – Inspection	13.3.2	11/06/23		P
1.3	I	Hose Houses	7.2.2.7	11/06/23		N/A
1.4	I	Fire Department Connections	13.7	11/06/23		N/A
1.5	I	Pressure Reducing Valves	13.5.1.1	11/06/23		N/A
1.6	I	Backflow Preventers	13.6.1	11/06/23		N/A
1.7	I	Monitor Nozzles	7.2.2.6	11/06/23		N/A
1.8	I	Hydrants <i>(Dry Barrel and Wall)</i>	7.2.2.4 Table 7.2.2.4	11/06/23		N/A
1.9	I	Hydrants <i>(Wet Barrel)</i>	7.2.2.5 Table 7.2.2.5	11/06/23	1	P
1.10	I	Mainline Strainers	7.2.2.3 Table 7.2.2.3	11/06/23		N/A
1.11	I	Piping <i>(Exposed)</i>	7.2.2.1 Table 7.2.2.1.2	11/06/23		P
1.12	I	Hose	7.1.4 NFPA 1962	11/06/23		N/A
2.1	T	Control Valve - Positions	13.3.3.1	11/06/23		P
2.2	T	Control Valve - Operation	13.3.3	11/06/23		P
2.3	T	Monitor Nozzles	7.3.3	11/06/23		N/A
2.4	T	Hydrants - Flush	7.3.2	11/06/23		P
2.5	T	Supervisory Devices	13.3.3.5	11/06/23		N/A
2.6	T	Backflow Preventer Assemblies	13.6.2	11/06/23		N/A
2.7	T	Piping <i>(Exposed and Underground Evaluation)</i>	7.3.1.1	11/06/23	Record results in Deficiencies and Comments section	P
2.8	T	Water Supply Evaluation <i>(If required by 7.3.1.2)</i>	7.3.1.2	11/06/23	Record results below in Table for Water Supply Test Evaluation	P
2.9	T	Pressure Reducing Valve <i>Full Flow Test</i>	13.5.1.2	11/06/23		N/A
2.10	T	Hose	7.1.4 NFPA 1962	11/06/23		N/A

Standpipe and Hose System **California Code of Regulations - Title 19** **5-Year Report** **2 of 2**
Inspection, Testing, and Maintenance

Property Information			Contractor or Licensed Owner Information	
Building Name	RURAL NORTH VACAVILLE WD		Name	National Fire Systems, Inc.
Address	3733 CANTELOW RD		Job #	
City	VACAVILLE			

5-Year Inspection, Testing and Maintenance
Includes ALL Quarterly and Annual Inspections, Tests, and Maintenance Items

I = Inspection		T = Test		M = Maintenance		P = Pass F = Fail N/A = Not Applicable	
Item		Description	NFPA 25 CA ed. Reference	Date	Comments Only	P, F, N/A	
3.1	M	Control Valves	13.3.4	11/06/23		P	
3.2	M	Mainline Strainers	7.2.2.3 Table 7.2.2.3	11/06/23		N/A	
3.3	M	Hose Houses	7.2.2.7 Table 7.2.2.7	11/06/23		N/A	
3.4	M	Hydrants	7.4.2	11/06/23		P	
3.5	M	Monitor Nozzles	7.4.3	11/06/23		N/A	
3.6	M	FDC - Backflush	14.3.2.3 14.3.2.4	11/06/23		N/A	
3.7	M	Internal Pipe Inspection: See Deficiencies and Comments Section for Results	14.2	11/06/23		P	
3.8	M	Obstruction Investigation required. If "Yes", see Deficiencies and Comments Section for Results	14.3	11/06/23		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	P
3.9	M	System Returned to Service	4.5.3 15.7	11/06/23		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	P

If required by 7.3.1.2 - Table for Water Supply Test Evaluation (Item 2.8)

Flow Rate (gpm)		Static Pressure (psi)	150
Hose Stream Allowance (gpm)		Residual Pressure (psi)	85
Total System Demand (gpm)		Flow Rate (gpm)	1550
Required Pressure at Source (psi)		Available Pressure at Total System Demand (psi)	

D = Deficiency C = Comment (Indicate type)

Item	Date	Riser	D	C	Deficiencies and Comments <i>Indicate all equipment, devices and parts that were repaired or replaced</i>
	11/06/23			✓	HYDRANT LOCATED ON THE STREET

<input type="checkbox"/> Check here if additional Deficiencies and Comments are listed on Form AES9	Number attached:
<input type="checkbox"/> See Correction Form AES 10 for corrected deficiencies.	Number attached:

I hereby certify that the fire protection equipment listed above has been fully inspected, tested, and maintained on this date by the company indicated above, in accordance with CCR, Title 19, Sections 901 to 906 and that the equipment is fully operable except as noted in the "Deficiencies and Comments" section of this form.

Print Name	ALEJANDRO ARAMBULA
Signature	Date 11/06/23

FW: Rural North Vacaville Hydrant tests

From: Paul Dahlen (paul.dahlen@vfpd.net)
 To: rseithel@solanolafco.com; clove@solanolafco.com
 Cc: dennis.fogleman@vfpd.net
 Date: Monday, November 20, 2023 at 11:59 AM PST

Hi Rich,

I reviewed the documents you sent me regarding the requirements for the Rural North Vacaville Water District and the test results for outputs at specific residents.

The original letter that Retired Chief Wood had written back in 1998 is still valid. Chief Wood stated that minimums of 250 GPM at 60 PSI for 20 minutes is still a useable stat.

The Vacaville FPD also accepted 200 GPM at 60 PSI for 20 minutes flow from a rural fire hydrant.

I reviewed all seven of the residences listed in the inspections attachment. All seven would meet the minimum requirement.

I do accept and consider that these hydrant tests are passing.

Please let me know if there is anything else I can do for you. Sorry for the delay getting back to you on this matter.

Paul Dahlen

Fire Prevention Captain
 Vacaville Fire Protection District
 420 Vine Street
 Vacaville, CA 95688
 ☎ (707) 447-2252 x18
 7 (707) 447-2769
 Cell: (530) 520-3721
 Email: paul.dahlen@vfpd.net
 Website: www.vfpd.net

From: Dennis Fogleman <>
Sent: Monday, November 13, 2023 11:02 AM
To: Paul Dahlen <paul.dahlen@vfpd.net>
Subject: FW: Rural North Vacaville Hydrant tests

From: Rich Seithel <rseithel@solanolafco.com>
Sent: Sunday, November 12, 2023 12:53 PM
To: Dennis Fogleman <dennis.fogleman@vfpd.net>

Cc: Clove . <clove@solanolafco.com>

Subject: Rural North Vacaville Hydrant tests

Happy Sunday, Dennis

I am attaching two items: the District letter outlining the requirements for the Rural North Vacaville Water District, and recent test results provided by RNVWD. Do these test results meet the standards outlined in the attached letter from Chief Wood? If not, were the requirements changed? Do you accept and consider the hydrants tested as "passing"?

Thanks, Dennis

Rich

Rich Seithel
Executive Officer
Solano LAFCO
675 Texas St.
Suite 6700
Fairfield, CA 94533
(707) 439-3897



Inspections 11-6-23.pdf
4.1MB



1998 Chief Wood fire flow letter.pdf
1.5MB

ATTACHMENT G

8 LAFCO Recommendations from MSR RESOLUTION NO. 2022-09 RNVWD comments in

Red 9-27-23 *LAFCO responses and comments in Blue*

- 1) District reconciliation with the Registrar of Voters, ROV, RNVWD eligibility list.
 The ROV each year has asked RNVWD who they should include in the voter list. Each year we have used the list supplied by John Gardner. This is an ongoing effort to untangle this information and it depends on LAFCO and Solano County records currently under discussion and unresolved. We have asked LAFCO to identify the legal parcels in the district, not just the APNs which in many cases do not define legal parcels, voting rights and connections. Reference John Gardner email correspondence of January 2023. LAFCO has stated that there are APNS "in the District" without a water right due to 20 years of LAFCO records. Most of these APNs are not on their own legal properties so are irrelevant. The county Shape Files and prior to that SCRIP files are all confusing and should be resolved with LAFCO, the County and the District.
 - *LAFCO sent shapefiles to the Registrar of voters based on the map that was adopted by the Commission during the MSR public hearing. Legal lots are a land-use issue, LAFCO is responsible for APNs.*

- 2) District initiates a 5 and 10-year strategic/infrastructure plan that addresses the need for water service to parcels within the District without water rights/service.
 Most of these APNs are not legal parcels and in fact are currently members of the district with water service because these legal parcels have more than one APN. LAFCO should correct this misinformation and determine the APNs which form legal parcels in the district. See attached study done by RNVWD in response to the 74 APNs of concern to LAFCO. 2 parcels are the wells and pump stations, 2 properties that sold water rights and not detached, 33 currently have water rights as they are properties with more than one APN, 12 properties LAFCO reclassified from sphere to in district. 25 remaining properties have lack of info on assessor records.
 - *LAFCO is not responsible for legal lot identification; LAFCO is not a land-use agency. However, LAFCO has evaluated each APN of the District and has determined that XXXXXXX*

- 3) District provide an engineering report designed to evaluate current system capacity and identify the potential service area, given the distribution system, and any limitations, and an aquifer monitoring program, before the expansion of the District's water system beyond its current design capacity of 533 service connections.
 The design capacity of the district is not 533. Reference the Coastland report district capacity of 877. 533 is the number of customers at formation of the district that agreed to pay the assessment for 20 years. The aquifer monitoring program has been and continues to be done by SCWA and the recent Ground Water Monitor programs of the entire Solano Basin. Expansion of the District should not be limited by this report as the District Rules and Regulations allow for adjustment to the 533 after 10 years of operations. The potential service area is the area identified on the 2016 SOI update as well as the added LAFCO update of APN parcels "in District" from their study even though they are not legal properties in themselves, clerical errors identified by LAFCO, added Sphere parcels not noted in the 2016 update and the recent RNVWD Resolution 2023-68, attached, requesting legal parcels to be added the current 2023 LAFCO SOI update.
 - *As expressed in the MSR hearing, LAFCO believes that the Coastland report's 877 connections is based on an incorrect number of connections actually drawing water and overstates the number of connections.*

	Coastland Engineering		LAFCO: based on connections drawing vs. State Reported "Active" connection	
Given:				
Maximum Daily Demand (MDD)	0.48	million gallons/day	0.48	million gallons/day
System Capacity (SC in gallons/day)	1.053	million gallons/day	1.053	million gallons/day
Assumptions and calculations:				
# of connections	398	per SWR	267	per actual usage stats
average gallons per day/connection (MDD/# connections)	0.001206	million gallons per connection per day	0.001798	million gallons per connection per day
Potential connections at capacity(SC/avg consumption per connection)	873	connections	586	connections

- *It is important to note that a LAFCO sphere of influence determination is subject to review under the provision of the California Environmental Quality Act (CEQA). In order to enable environmental considerations to be effectively integrated into a sphere of influence determination, an environmental review may be conditioned concurrent with the development of the sphere of influence determination.*

4) District will conduct regular monitoring of groundwater levels and work with neighboring water provider agencies and local GSA.

Completed. Aquifer monitoring is explained in item 3 above. Additionally, the district has recently installed well monitors at both wells to track static and pumping draw down water levels.

- *No response required*

5) Recommend that the District review and address its "First Come, First Served" Water Rights Policy and its impact on parcels within the District without water rights and/or service connections.

Completed. The first come, first serve policy is inline with the original formation of the district as an opt in or opt out district. There are no priority parcels in the district. There is little to no demand for new water connections. Currently there are 13 supplemental water rights for sale which have been advertised for months with no buyer interest. See water right tracking log attached. The benefit that these parcels identified by LAFCO as in the district is that if any of these legal parcels request to purchase a water right, they will not have to wait six months and will not have to bear the \$7,000 expense of the annexation process, District and LAFCO fees etc.

- *No response required*

6) District to serial number the District's 533 "water rights" for ease of tracking purposes.

Completed. This has been completed and sent to LAFCO, see attached dated 12/7/2022.

- *No response required*

- 7) Adopt a new policy requiring "will serve" letters that demonstrate the District intends to provide service, has the ability to serve the parcel(s) requesting annexation, confirm APN is located within the SOI, and that the District has the capacity to meet State Water Works Standards including MOD requirements per CCR §64544.

Completed. Our District Engineer is SID. SID reviews all proposed system expansions, many of which are in the district with existing water rights, so LAFCO does not have jurisdiction on this process. Plans for expansion of the system, prepared by outside civil engineer, paid for by the developers for properties in the District has always been done with the capacity and engineering design review and approved by SID and District and noted on the design documents before issuance of a will serve letter. A policy #3135 has been completed and sent to LAFCO see the attached.

- ***SID advises that they are not the District's engineer. Furthermore, LAFCO is mandated by law to ensure that expansion of the system has been analyzed in accordance with CEQA and documented.***

- 8) RNVWD shall return to LAFCO Commission with regular updates on the repairs and scheduled completion dates for Well #2, not more than every four months.

All work has been completed for the arsenic removal facility. DOW is currently monitoring a 30-day testing phase for Well #2, for arsenic removals, which will be completed on October 5, 2023. All repairs of both wells and pumps have been completed earlier this year spring of 2023. We will report to the Commission at the December LAFCO meeting.

- ***No response required***



Weston Stankowski <weston@rnvwd.com>

Fwd: Voting RNVD Director Elections

1 message

Gordon Stankowski <gm@rnvwd.com>

Sat, Jan 7, 2023 at 12:30 PM

To: Raymond Kinser <raymond.kinser@calcad.com>, "Mazzella, Lori" <LAMazzella@solanocounty.com>

Cc: Weston Stankowski <weston@rnvwd.com>

Please keep this on our list to discuss next week.

Lori we need help for us to better understand the relationship between LAFCO, and ROV etc.

----- Forwarded message -----

From: **Gardner, John H.** <JHGardner@solanocounty.com>

Date: Tue, Dec 13, 2022 at 3:36 PM

Subject: RE: Voting RNVD Director Elections

To: Gordon Stankowski <gm@rnvwd.com>

Cc: Nancy Veerkamp <admin@rnvwd.com>, Weston Stankowski <weston@rnvwd.com>, Mazzella, Lori <LAMazzella@solanocounty.com>, George Hicks <hicks@coastlandcivil.com>, Raymond Kinser <raymond.kinser@calcad.com>, Lopez, Michael A. <MALopez@solanocounty.com>

Hi Gordon, the information that I previously sent is based on the shapefile that you sent in May of 2022 – which I thought represented the district parcels (which would be eligible voters). What we don't have is the ability to track Parcel Ownership information and would need either LAFCO or the District to provide that information to our office for election purposes.

Usually, landowner elections require the district to submit to the ROV not only the list of voters based on parcel ownership, but any "weight" the district would calculate for each owner, or specify the votes would be 1:1.

So, yes I can cross-reference this to the data you provided in May of 2022, but if you want to submit a new/updated parcel list to us we can work with that to create a list of current people who are registered to vote at those parcels, but it would not include who owns a parcel, but may not be registered (due to residence in another jurisdiction outside of Solano County).

Let me know how you would like us to proceed.

Thanks,

John G.

From: Gordon Stankowski <gm@rnvwd.com>

Sent: Monday, December 12, 2022 6:56 AM

To: Gardner, John H. <JHGardner@solanocounty.com>

Cc: Nancy Veerkamp <admin@rnvwd.com>; Weston Stankowski <weston@rnvwd.com>; Mazzella, Lori <LAMazzella@solanocounty.com>; George Hicks <hicks@coastlandcivil.com>; Raymond Kinser <raymond.kinser@calcad.com>

Subject: Voting RNVWD Director Elections

When there are more candidates than open positions on the board and we have the District Vote on selecting the candidates, are all 800 properties in the database that you sent to us eligible to vote.? What is the exact definition of who is eligible to vote for Board Directors in a year when an election is required.?

We currently have about 415 customers that chose to own water rights, meaning that they paid all the assessment to purchase the water right to pay off the original loan at formation. We have about 250 fire only properties that paid a small assessment for 20 years for fire only coverage due to hydrants in the area, they did not have a choice at formation, and they are in the Sphere of Influence SOI but are not District customers and must be Annexed by LAFCO to join the District and purchase a water connection. Other properties you listed are either in the Sphere of Influence or have other LAFCO classifications.

Do you have or can you provide a cross reference of the 800 addresses to 800 APN? All our databases with LAFCO use APN for classification.

Perhaps Lori can help clarify with your input so that we are very clear prior to the 2024 Election. Kinser and Hicks are consultants working with the District to get a better handle on this issue.

--

Gordon Stankowski
General Manager
Rural North Vacaville Water District
cell 707-689-3184.

[EXTERNAL Email Notice!] External communication is important to us. Be cautious of phishing attempts. Do not click or open suspicious links or attachments.

--

Gordon Stankowski
General Manager
Rural North Vacaville Water District
cell 707-689-3184

----- Forwarded message -----

From: Gordon Stankowski <gm@rnvwd.com>
To: "Gardner, John H." <JHGardner@solanocounty.com>
Cc: Nancy Veerkamp <admin@rnvwd.com>, Weston Stankowski <weston@rnvwd.com>, "Mazzella, Lori" <LAMazzella@solanocounty.com>, Chris Calvert <cccalt@ucdavis.edu>
Bcc:
Date: Tue, 31 May 2022 01:42:07 +0000

9/26/23, 4:46 PM

RNVWD Mail - Fwd: Voting RNVWD Director Elections

Subject: RNVWD boundary shape file

Attached is a shapefile of the jurisdiction boundary for RNVWD as provided by LAFCO. Please compare this to the file you have from previous elections. I will be out of state in Michigan from 6-2 through 6-16 on vacation.



LAFCO has performed a historical recap of the district from formation to current date. We are working with LAFCO and our records on some discrepancies and other items that need research. That will take several months to complete.

We recommend that you use the APNs list from prior RNVWD elections and add any new APNs that are provided by this current file. Nancy and Weston can help answer any questions you may have and they will contact me. Lori has also been working with us and LAFCO on clarification of District parcels.

--
 Gordon Stankowski
 General Manager
 Rural North Vacaville Water District
 cell 707-689-3184

[EXTERNAL Email Notice] External communication is important to us. Be cautious of phishing attempts. Do not click or open suspicious links or attachments.

2 attachments

-  **RNVWD Boundary 052622 LAFCO.zip**
34K
-  **RNVWD boundary shape file.eml**
63K

MSK #5



Technical Memorandum

Date: February 9, 2023
 To: Gordon Stankowski, General Manager RNVWD
 From: George Hicks, P.E.
 Subject: Engineering Report on Capacity of RNVWD System



In response to LAFCO Resolution 2022-09, you have asked us to provide an Engineering Report to determine the capacity of the current system. This Technical Memorandum is provided in response to that request.

The methodology for determining the capacity of a public water system is outlined in California Code of Regulations, Title 22, Section 64554 (Title 22). In addition to using Title 22 as the basis for our capacity determination, we also used the 2021 Sanitary Survey from the State Water Resources Control Board, dated December 1, 2022 (Sanitary Survey).

Title 22 states that a public water system shall have the capacity to meet the maximum day Demand (MDD). The methodology for determining the capacity of a public water system, as it applies to the RNVWD system, is outlined in Title 22, Section 64554 as follows:

- For systems whose source of water is exclusively wells, the system shall be capable of meeting MDD with the highest-capacity source offline (64554(c)).
- For systems of less than 1,000 connections, capacity is defined as the system storage capacity, except for systems with an additional source of supply (64554(a)(2)). RNVWD has two wells as independent sources of supply, so the system capacity is the sum of the storage plus the production rate of the lower producing well.
- If daily demand numbers are not available, the MDD is calculated using the maximum monthly demand, determining the average daily demand for that month, and multiplying that by 1.5. (64554(b)(2)(A))¹.

¹ Complete daily water production data is not available. In annual system reports (EARs), a maximum day production figure is listed but many of these reported figures exceed the total capacity of the system and/or occur in a non-peak month and are a very large percentage of a total months production. In their Sanitary Survey, the SWRCB questions the validity of this data. We concur and have used maximum month demands to calculate MDD since complete daily records are not available.

Santa Rosa
 1400 Neotomas Avenue
 Santa Rosa, CA 95405
 Tel: 707.571.8005

Auburn
 11641 Blocker Drive, Ste. 170
 Auburn, CA 95603
 Tel: 530.888.9029

Pleasant Hill
 3478 Buskirk Avenue, Ste. 1000
 Pleasant Hill, CA 94523
 Tel: 925.233.5333

Fairfield
 324 Campus Lane, Ste. A
 Fairfield, CA 94534
 Tel: 707.702.1961

www.coastlandcivil.com

The Sanitary Survey reports the capacity of the two RNVWD system wells as 414 gpm for Well 1 and 307 gpm for Well 2 in section 1.2. For determining the capacity of the system, the production capacity of 307 associated with Well 2 should be used. The total storage of the system is 0.611 million gallons in Section 2.4 of the Sanitary Survey. The total number of connections in the system is listed as 398 in Section 2.1.3 of the Sanitary Survey.

The available maximum monthly demands for the system were in August and September 2020. However, these dates coincide with the LNU fire and the unprecedented fire flow demands on the RNVWD and other water systems. This data is not representative and therefore should not be used. The highest peak monthly production rate was reported in the 2019 EAR as 9,923,000 gallons in August.

The capacity of the RNVWD system per Title 22 is therefore calculated as follows:

- The average daily demand for the 398 connections in the maximum month is: 9,923,000 gallons / 31 days = 320,097 gallons per day, or 0.320 million gallons per day (MGD).
- The MDD is : $0.320 \times 1.5 = 0.480$ MGD
- The total system capacity is:
 - 0.442 MG (total daily production at 307 gpm)
 - +0.611 MG (total system storage)
 - 1.053 MG**

Service Capacity of the RNVWD System

With a MDD of 0.480 MGD and a system capacity of 1.053 MG, the current system is operating at 46% of its Title 22 capacity. The maximum number of connections that the system can service is therefore **873 connections**.

MSR #3

RESOLUTION NO. 2023-68

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE RURAL NORTH VACAVILLE WATER DISTRICT REQUESTING LAFCO APPROVE THE UPDATED DISTRICT BOUNDRY AND SPHERE OF INFLUENCE.

WHEREAS, Solano LAFCO updates the Municipal Service Review (MSR) and Sphere of Influence (SOI) every 5 years; and,

WHEREAS the MSR has been updated by LAFCO dated final April 22, 2022; and,

WHEREAS, the SOI update remains to be completed by LAFCO; and,

WHEREAS, LAFCO requires that the District provide a request to LAFCO for an updated Boundary and updated SOI ; and,

WHEREAS, there have been many revisions to the SOI since the Formation of the District ; and,

WHEREAS, the District wants to clear up the discrepancies in the data relating to properties in the Sphere and,

WHEREAS,; the District has employed the services of a land mapping company, CalCad to have the most current information regarding assessor parcel numbers and,

WHEREAS ; The District and it's consultant CalCad have fully evaluated all the current study and reports from LAFCO regarding status of in the current sphere; and,

WHEREAS, District Resolutions 2021-50 and 2021-51 have District approved annexation requests pending LAFCO updated SOI; and

WHEREAS, this updated SOI does not expand the number connections in any way nor obligate the District to any infrastructure improvements and it is the interest of the District to provide the requested information to LAFCO;

NOW, THEREFORE, BE IT RESOLVED, by the Board of Directors of the Rural North Vacaville Water District as follows:

1. The recitals set forth above are true and correct.
2. This Board finds the updated Boundary and SOI is a reasonable request as presented in Exhibit A Proposed Boundary, Exhibit B current LAFCO parcel designations, Exhibit C list of APNs to add to the sphere.
3. This Resolution shall take effect immediately upon its adoption.

DocuSign Envelope ID: CD23844C-0C78-4947-84C9-AC3D234AA388

PASSED AND ADOPTED by the Board of Directors of the Rural North Vacaville Water District, this **11th day of April 2023**, by the following vote:

AYES: Patrick Sweeney, Ken Swenson, Steve Stickland
NOES: Elizabeth Miles
ABSENT: Bob Whitehouse
ABSTAIN:

Digitally signed by
Patrick J. Sweeney
(DN: c=US, ou=RNVD)
Pat Sweeney President
RNVD Board of Directors

ATTEST:

Nancy Veerkamp
Nancy Veerkamp
RNVD Board Clerk



Rural North Vacaville Water District

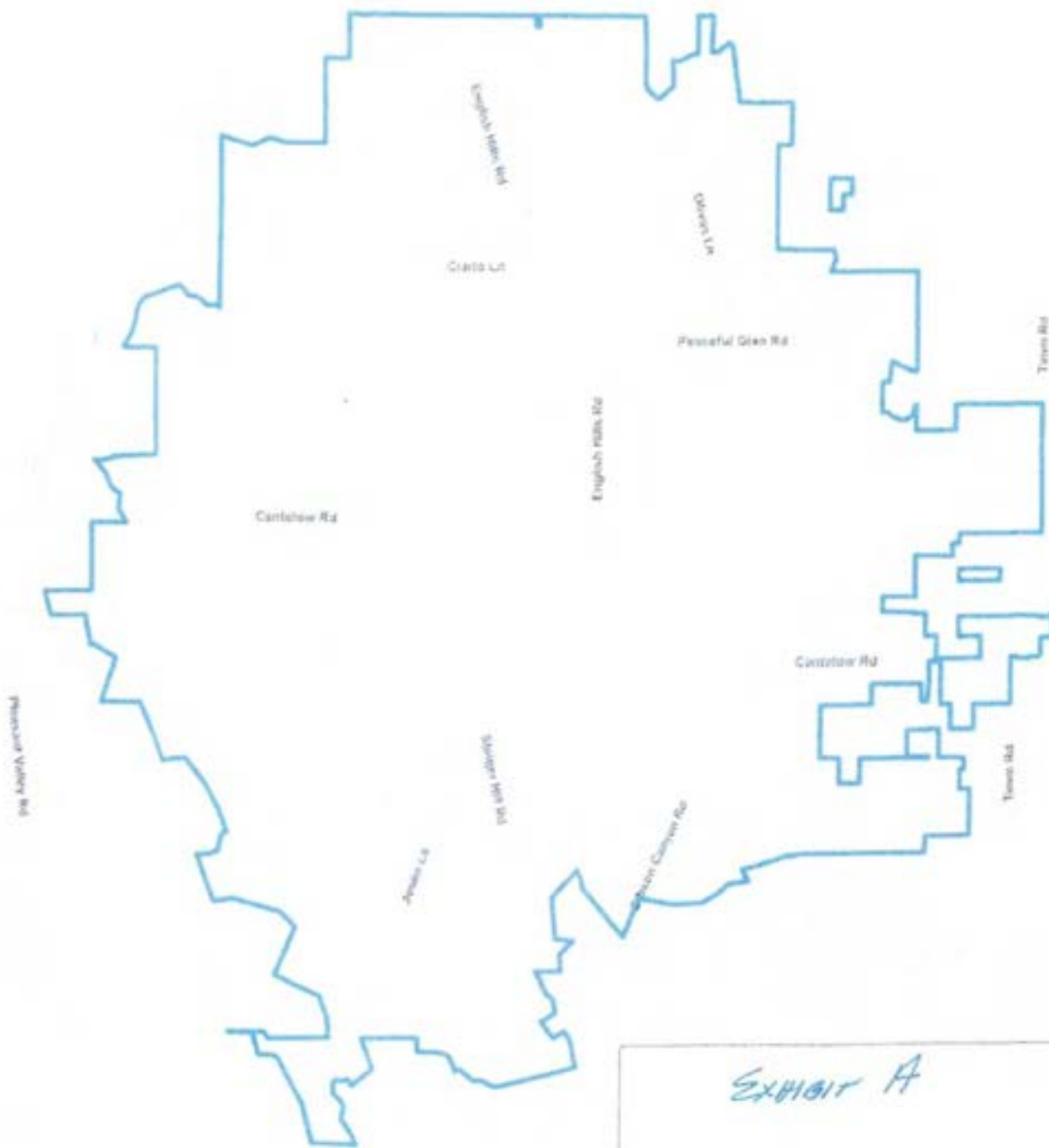



EXHIBIT A

 RNVWD Updated Boundary

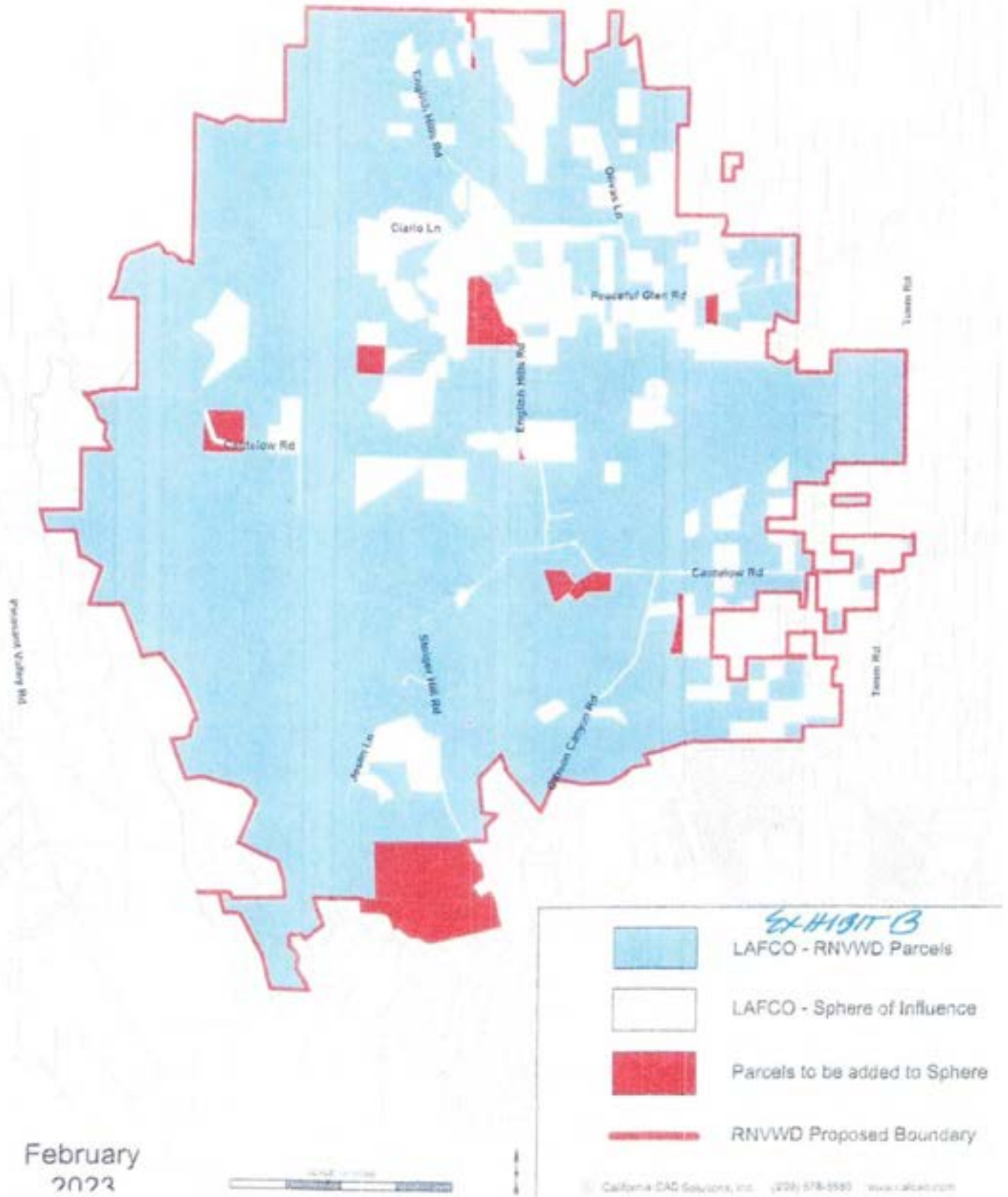
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February
2023





Rural North Vacaville Water District



February
2023

EXHIBIT C

EXHIBIT C

#	ACRES	APN	2016 sphere map designation	Legal W/ln /Notes	*Total APNs making up the legal property	2023 RECOMMENDED DESIGNATION	COLOR KEY
1	0.17	0105200180	NO DESIGNATION	LEGAL W/ln SECTION 201.56 PERMITS	Self RESO	Add to Sphere	LEGAL PROPERTY IS NOT IN THE DISTRICT OR IN THE SPHERE IN 2016 MAP
2	77.77	0123030060	NO DESIGNATION	ANNEXED TO SOUTHERN 2014.51 ENCLOSURES ETC	Self RESO	Add to Sphere	LEGAL PROPERTY IS NOT IN THE DISTRICT OR IN THE SPHERE IN 2016 MAP
3	54.29	0123030030	NO DESIGNATION	ANNEXED TO SOUTHERN 2014.51 ENCLOSURES ETC	Self RESO	Add to Sphere	LEGAL PROPERTY IS NOT IN THE DISTRICT OR IN THE SPHERE IN 2016 MAP
4	18.16	0102230070	IN DISTRICT	WENT TO "NO DESIGNATION WITH A WATER RIGHT" ON 60-WOMAN LARCOLLUM MAP FROM 2022	1	CONFORM TO 2016 MAP	LEGAL PROPERTY CURRENTLY "IN THE DISTRICT" IN 2016 MAP
5	1.10	0104150150	NO DESIGNATION	LEGAL W/ln 350-810 (already in sphere 2016 "New")	2	Add to Sphere	LEGAL PROPERTY IN CURRENT SPHERE/FILE IN 2016 MAP
6	1.54	0104150450	NO DESIGNATION	LEGAL W/ln 350-840 (already in sphere 2016 "New")	2	Add to Sphere	LEGAL PROPERTY IN CURRENT SPHERE/FILE IN 2016 MAP
7	13.82	0105050410	NO DESIGNATION		1	Add to Sphere	LEGAL PROPERTY IS NOT IN THE DISTRICT OR IN THE SPHERE IN 2016 MAP
8	13.52	0105050420	NO DESIGNATION	LEGAL W/ln 305-081000 (already in sphere 2016 "New")	2	Add to Sphere	LEGAL PROPERTY IN CURRENT SPHERE/FILE IN 2016 MAP
9	0.34	0105050950	NO DESIGNATION		1	Add to Sphere	LEGAL PROPERTY IS NOT IN THE DISTRICT OR IN THE SPHERE IN 2016 MAP
10	5.01	0105060460	IN SPHERE/FILE	WENT TO "NO DESIGNATION" ON 60-WOMAN LARCOLLUM MAP FROM 2022	1	CONFORM TO 2016 MAP	LEGAL PROPERTY IN CURRENT SPHERE/FILE IN 2016 MAP
11	0.16	0105070110	NO DESIGNATION	LEGAL W/ln 305-870 320 (already in sphere 2016 "New")	2	Add to Sphere	LEGAL PROPERTY IN CURRENT SPHERE/FILE IN 2016 MAP
12	11.40	0105070370	NO DESIGNATION	UNDEVELOPED ACCESS REQUEST IN FILE	1	Add to Sphere	LEGAL PROPERTY IS NOT IN THE DISTRICT OR IN THE SPHERE IN 2016 MAP
13	8.40	0105110730	IN DISTRICT	NOBRIAN PHASE 1 "NEW PARCEL"	1	UPDATE RECORDS	LEGAL PROPERTY CURRENTLY "IN THE DISTRICT" IN 2016 MAP
14	5.91	0105170050	NO DESIGNATION	LEGAL W/ln 205-180-280 THEN THE 2016 DESIGNATION WAS "IN SPHERE" after	2	Add to Sphere	LEGAL PROPERTY IN CURRENT SPHERE/FILE IN 2016 MAP
15	1.64	0105170100	NO DESIGNATION	LEGAL W/ln 205-180-270 THE 2016 DESIGNATION WAS "IN SPHERE" after		Add to Sphere	LEGAL PROPERTY IN CURRENT SPHERE/FILE IN 2016 MAP
16	9.73	0105170250	IN DISTRICT	NOBRIAN PHASE 1 "NEW PARCEL"	1	UPDATE RECORDS	LEGAL PROPERTY CURRENTLY "IN THE DISTRICT" IN 2016 MAP
17	0.58	0105220120	NO DESIGNATION	LEGAL W/ln 205-220 131.31.31.31 ADDITIONAL DESIGNATION BELOW part of #18	3	Add to Sphere	LEGAL PROPERTY IN CURRENT SPHERE/FILE IN 2016 MAP
18	0.08	0105220180	NO DESIGNATION	LEGAL W/ln 205-220 131.31.31.31 (already in sphere 2016 "New") ADDITIONAL DESIGNATION BELOW part of #18	3	Add to Sphere	LEGAL PROPERTY IN CURRENT SPHERE/FILE IN 2016 MAP

452#5

RNVWD WATER RIGHT TRACKING LOG 6-9-23		
<u>Descriptions</u>		<u>Notes</u>
Total Base Water Rights	417	(1 Base per property/address) "Active Connections"
Total Supplemental Water rights	114	(any water right(s) in addition to an existing Base water right)
Total Base + Supplemental Water Rights	531	Verified with monthly billings
Total of water right sales being processed	2	These rights are not currently included in Base or Supplemental
Water Rights Owned by the District (for sale)	0	Current Available, see balance below
Total Water Rights	533	
Control Check Total	533	
Variance	0	
<u>District Water Rights Sales Processing (Not included in base or supplemental number)</u>		
RNVWD Res 2021-51 approved 4/13/21 English Hills LLC	1	Pending LAFCO annexation vote, add to Sphere
RNVWD Res 2021-50 approved 4/13/21 Ralph Perkins	1	Pending LAFCO annexation vote & lot split, add to Sphere
Total District Water Rights Processing	2	District Water Rights Potential Sales
Available Water Rights Owned by the District	0	Balance For Sale (AVAILABLE)
Total Water Rights	533	
<u>Water Connections/Rights Available</u>		
Mike Messer	10	APN 0105-110-630
Henry Robinson	1	APN 0105-020-650
Shelly Pecotte	1	APN 0105-200-470
Harry Schrontz	1	APN 0123-060-430
Total	13	Water Connections/Rights Available

MSR #6

Water Right Serial #	APN	Description	Street #	Street Name
001	105-120-300	Base	7392	Wagon Wheel Ln
002	105-070-240	Base	3920	Sierra Vista Dr
003	105-160-190	Base	3987	Cantelow Rd
004	104-150-490	Base	3883	Skyhawk Ln
005	105-110-510	Base	4153	Pippo Ln
006	105-040-230	Base	3931	Meadowbrook Ln
007	104-120-700	Base	3996	Estate Dr
008	105-070-440	Base		Stagecoach Ln
009	105-210-640	Base	7182	Liberty Ln
010	105-110-270	Base	7413	English Hills Rd
011	123-020-440	Base		Steiger and Joslin
012	123-020-440	Supplemental		Steiger and Joslin
013	123-020-440	Supplemental		Steiger and Joslin
014	123-020-440	Supplemental		Steiger and Joslin
015	104-120-360	Base	7888	Olivas Ln
016	105-070-390	Base		Stagecoach
017	104-120-780	Base	4088	Norman Ct
018	105-050-220	Base	4165	Valley View Ln
019	123-030-040	Base	3858	Joslin Ln
020	105-070-140	Base	3964	Sierra Vista Dr
021	105-190-030	Base	7094	Bucktown Ln
022	105-060-600	Base	4356	Peaceful Glen Rd
023	105-020-190	Base	7701	Olivas Ln
024	105-110-650	Base	7419	English Hills Rd
025	105-210-620	Base	7110	Liberty Ln
026	105-020-420	Base	4114	Cricket Trail
027	104-120-760	Base	4057	Estate Dr
028	105-180-540	Base	4423	Lemen Ln
029	104-150-270	Base	7904	Spencer Ln
030	105-120-190	Base	7337	Wagon Wheel Ln
031	105-190-100	Base	3967	Joslin Lane
032	105-180-630	Base	4343	Cromwell Ln
033	104-150-600	Base		English Hills Rd.
034	105-020-680	Base	7726	English Hills Rd
035	105-160-120	Base	7224	Steiger Hill Rd
036	104-150-510	Base	3867	Skyhawk Ln
037	105-120-280	Base	7360	Wagon Wheel Ln
038	105-070-300	Base	3937	Sierra Vista Dr
039	105-180-600	Base	7155	Shelton Ln
040	104-150-610	Base	3959	Skyhawk Ln
041	105-220-100	Base	4024	English Oaks Dr
042	105-060-500	Base	7604	Acacia Ln
043	105-060-500	Supplemental	7604	Acacia Ln
044	105-200-390	Base	4145	Shelly Ln
045	105-160-110	Base	7248	Steiger Hill Rd
046	105-080-260	Base	7455	Dry Creek Trl

Water Right Serial #	APN	Description	Street #	Street Name
047	105-010-320	Base	7810	W Ranch Ln
048	123-030-470	Base	3860	Joslin Ln
049	105-010-330	Base	7848	W Ranch Ln
050	105-070-380	Base	7544	Stagecoach Ln
051	105-170-260	Base		Remainder Cantelow Rd
052	105-170-260	Supplemental		Remainder Cantelow Rd
053	105-170-260	Supplemental		Remainder Cantelow Rd
054	105-170-260	Supplemental		Remainder Cantelow Rd
055	105-170-260	Supplemental		Remainder Cantelow Rd
056	105-170-260	Supplemental		Remainder Cantelow Rd
057	105-170-260	Supplemental		Remainder Cantelow Rd
058	105-170-260	Supplemental		Remainder Cantelow Rd
059	105-170-260	Supplemental		Remainder Cantelow Rd
060	105-170-260	Supplemental		Remainder Cantelow Rd
061	105-170-260	Supplemental		Remainder Cantelow Rd
062	105-170-260	Supplemental		Remainder Cantelow Rd
063	105-170-260	Supplemental		Remainder Cantelow Rd
064	105-170-260	Supplemental		Remainder Cantelow Rd
065	105-170-260	Supplemental		Remainder Cantelow Rd
066	105-200-220	Base	7138	Gibson Canyon Rd
067	104-120-530	Base	4223	Skyhawk Ln
068	105-050-570	Base	4243	Peaceful Glen Rd
069	105-050-890	Base	7546	English Hills Rd
070	105-050-580	Base	7694	Olivas Ln
071	105-200-410	Base	7188	Gibson Canyon Rd
072	105-180-810	Base	4393	Cantelow Rd
073	105-180-470	Base	4380	Cantelow Rd
074	105-100-130	Base	3993	Cantelow Rd
075	105-160-240	Base		Bucktown
076	105-020-720	Base	7831	Olivas Ln
077	123-030-460	Base	3862	Joslin Ln
078	105-050-660	Base	7651	English Hills Rd
079	102-030-260	Base	7663	Carmelita Way
080	104-150-500	Base	3871	Skyhawk Ln
081	123-060-450	Base	3750	Morningbird Ln
082	105-170-200	Base	4203	Independence Ln
083	105-200-460	Base	7044	Steiger Hill Rd
084	105-110-470	Base	4103	Pippo Ln
085	105-200-280	Base	7139	Gibson Canyon Rd
086	105-220-040	Base	4017	Blackthorn Dr
087	105-080-160	Base	7546	Dove Creek Trl
088	105-140-130	Base	7384	June Bug Ln
089	105-080-460	Base		Dove Creek Trl
090	105-080-460	Supplemental		Dove Creek Trl
091	105-080-460	Supplemental		Dove Creek Trl
092	105-080-460	Supplemental		Dove Creek Trl

Water Right Serial #	APN	Description	Street #	Street Name
093	105-080-460	Supplemental		Dove Creek Trl
094	105-080-460	Supplemental		Dove Creek Trl
095	105-080-460	Supplemental		Dove Creek Trl
096	105-080-460	Supplemental		Dove Creek Trl
097	105-080-460	Supplemental		Dove Creek Trl
098	105-080-460	Supplemental		Dove Creek Trl
099	105-080-460	Supplemental		Dove Creek Trl
100	105-080-460	Supplemental		Dove Creek Trl
101	105-080-460	Supplemental		Dove Creek Trl
102	105-080-460	Supplemental		Dove Creek Trl
103	105-080-460	Supplemental		Dove Creek Trl
104	105-080-460	Supplemental		Dove Creek Trl
105	105-210-650	Base	7188	Liberty Ln
106	105-150-200	Base	4463	Cantelow Rd
107	105-070-400	Base	7544	Stagecoach Ln
108	105-070-400	Supplemental	7544	Stagecoach Ln
109	105-070-400	Supplemental	7544	Stagecoach Ln
110	105-030-800	Base	4265	Ruby Ln
111	105-160-180	Base	3985	Cantelow Rd
112	105-020-280	Base	7792	Olivas Ln
113	105-190-140	Base		Bucktown Ln
114	105-110-740	Base	Lot 7	English Hills
115	105-060-300	Base	4267	Peaceful Glen Rd
116	123-030-390	Base	3929	Soaring Eagle Trl
117	105-210-490	Base	4298	Standfill Ln
118	102-230-160	Base		Cantelow Rd
119	105-240-140	Base	3940	Wise Acres Ln
120	102-140-240	Base	3584	Brehme Ln
121	105-200-480	Base	4157	Shelly Ln
122	105-040-750	Base		End of Stagecoach
123	104-150-200	Base	3941	Skyhawk Ln
124	105-050-880	Base	7607	Deer Valley Trl
125	105-100-100	Base	3829	Cantelow Rd
126	105-080-470	Base	7511	Dove Creek Trl
127	105-080-470	Supplemental	7511	Dove Creek Trl
128	105-080-470	Supplemental	7511	Dove Creek Trl
129	105-080-470	Supplemental	7511	Dove Creek Trl
130	105-080-470	Supplemental	7511	Dove Creek Trl
131	105-080-470	Supplemental	7511	Dove Creek Trl
132	105-080-470	Supplemental	7511	Dove Creek Trl
133	105-080-470	Supplemental	7511	Dove Creek Trl
134	105-080-470	Supplemental	7511	Dove Creek Trl
135	105-080-470	Supplemental	7511	Dove Creek Trl
136	105-080-470	Supplemental	7511	Dove Creek Trl
137	105-080-470	Supplemental	7511	Dove Creek Trl
138	105-080-470	Supplemental	7511	Dove Creek Trl
139	105-080-470	Supplemental	7511	Dove Creek Trl

Water Right Serial #	APN	Description	Street #	Street Name
140	105-080-470	Supplemental	7511	Dove Creek Trl
141	105-080-470	Supplemental	7511	Dove Creek Trl
142	105-220-140	Base	4015	Blackthorn Dr
143	105-210-270	Base	7128	Shelton Ln
144	105-040-250	Base	3930	Meadowbrook Ln
145	123-030-490	Base	3950	Soaring Eagle Trl
146	105-090-140	Base	4427	Buena Vista
147	105-100-020	Base	3993	B Cantelow Rd
148	105-110-600	Base		Pippo Ln
149	105-110-600	Supplemental		Pippo Ln
150	105-110-600	Supplemental		Pippo Ln
151	105-110-600	Supplemental		Pippo Ln
152	105-110-600	Supplemental		Pippo Ln
153	105-110-600	Supplemental		Pippo Ln
154	105-110-600	Supplemental		Pippo Ln
155	105-110-600	Supplemental		Pippo Ln
156	105-110-600	Supplemental		Pippo Ln
157	105-110-600	Supplemental		Pippo Ln
158	105-110-600	Supplemental		Pippo Ln
159	105-110-260	Base	7425	English Hills Rd
160	105-050-630	Base	7672	Olivas Ln
161	105-240-170	Base	7125	Solitude Ct
162	105-200-340	Base	4007	La Venir
163	105-180-420	Base	7287	Browns Valley Rd
164	105-050-930	Base	7665	English Hills Rd
165	105-080-320	Base	4238	Calabria Ct
166	105-220-050	Base	4026	Blackthorn Dr
167	105-210-660	Base		Standfill Ln
168	104-150-460	Base	7940	Spencer Ln
169	106-190-030	Base	7342	Timm Rd
170	105-010-430	Base	7797	English Hills Rd
171	105-010-430	Supplemental	7797	English Hills Rd
172	105-080-350	Base	4000	Sierra Vista Dr
173	105-060-020	Base	7694	Acacia Ln
174	104-150-590	Base	7901	Linda Vista Ln
175	105-120-380	Base	4269	Cantelow Rd
176	105-020-520	Base	7720	Olivas Ln
177	105-170-210	Base	4229	Independence Ln
178	105-060-490	Base	7630	Acacia Ln
179	105-080-360	Base	4030	Sierra Vista Dr
180	105-110-610	Base	4127	Cantelow Rd
181	105-240-120	Base		Steiger N
182	105-240-130	Base		Steiger S
183	105-050-290	Base	7575	Dove Creek Trl
184	105-050-290	Supplemental	7575	Dove Creek Trl
185	104-120-550	Base	4245	Skyhawk Ln

Water Right Serial #	APN	Description	Street #	Street Name
186	105-180-740	Base	7290	Summerwood Ln
187	123-060-420	Base		Morningbird Ln
188	123-060-420	Supplemental		Morningbird Ln
189	105-020-700	Base	7767	Olivas Ln
190	105-020-710	Base		Olivas Ln
191	105-040-620	Base	3874	Ciarlo Ln
192	105-060-100	Base	7688	Glow Ln
193	104-120-630	Base	4115	Skyhawk Ln
194	102-070-060	Base	3570	Cantelow Rd
195	105-010-510	Base	7767	W Ranch Ln
196	123-020-430	Base	3849	Joslin Ln
197	102-090-070	Base	3780 A	Cantelow Rd
198	102-090-070	Supplemental	3780 A	Cantelow Rd
199	102-090-070	Supplemental	3780 A	Cantelow Rd
200	104-150-560	Base	7959	Linda Vista Ln
201	104-150-380	Base	3955	Estate Dr
202	104-120-790	Base	4087	Norman Ct
203	105-240-040	Base	3945	Joslin Ln
204	105-120-120	Base	4345	Cantelow Rd
205	123-030-580	Base		Steiger Hills Rd
206	105-060-170	Base	4366	Peaceful Glen Rd
207	105-010-310	Base	7786	W Ranch Ln
208	102-030-300	Base	3765	Cantelow Rd
209	102-030-300	Supplemental	3765	Cantelow Rd
210	102-030-300	Supplemental	3765	Cantelow Rd
211	102-030-300	Supplemental	3765	Cantelow Rd
212	105-210-460	Base	4319	Standfill Ln
213	105-120-030	Base	7396	Stocking Ln
214	105-200-060	Base		La Venir
215	105-180-460	Base	4348	Cantelow Rd
216	105-110-160	Base	4247	Cantelow Rd
217	104-120-290	Base	4169	Rolling Hills Ln
218	105-120-370	Base	4283	Cantelow Rd
219	105-010-500	Base	3751	Ciarlo Ln
220	105-180-720	Base	4326	Cromwell Ln
221	105-180-450	Base	4324	Cantelow Rd
222	123-030-500	Base	6993	Steiger Hill Rd
223	104-120-280	Base	7854	Olivas Ln
224	102-230-130	Base		Carmelita
225	105-110-550	Base	4135	Cantelow Rd
226	105-010-400	Base	7817	English Hills Rd
227	104-150-310	Base	7928	Spencer Ln
228	105-110-170	Base	4225	Cantelow Rd
229	105-190-080	Base	3856	Joslin Ln
230	105-210-610	Base	7120	Liberty Ln
231	105-020-410	Base	4148	Cricket Trail

Water Right Serial #	APN	Description	Street #	Street Name
232	104-150-280	Base	7955	Spencer Ln
233	105-150-080	Base	7310	Pine Haven Ln
234	104-150-050	Base		Skyhawk Ln
235	104-150-050	Supplemental		Skyhawk Ln
236	123-030-010	Base	3848	Joslin Ln
237	105-080-110	Base	7530	English Hills Rd
238	105-080-370	Base	7547	English Hills Rd
239	105-080-430	Base	7517	English Hills Rd
240	104-150-020	Base	3803	Skyhawk Ln
241	105-010-470	Base	7796	English Hills Rd
242	104-150-630	Base	7886	English Hills Rd
243	105-060-090	Base	7691	Glow Ln
244	105-190-110	Base	7155	Scenic Canyon Trl
245	105-190-110	Supplemental	7155	Scenic Canyon Trl
246	105-050-900	Base	7542	English Hills Rd
247	105-050-330	Base	4246	Peaceful Glen Rd
248	102-090-100	Base	3500	Pleasants Trl
249	102-030-240	Base	7777	Carmelita Way
250	102-030-240	Supplemental	7777	Carmelita Way
251	105-110-460	Base	7434	English Hills Rd
252	105-240-110	Base		Wise Acres Ln
253	105-010-300	Base	7760	W Ranch Ln
254	104-150-250	Base	7924	Spencer Ln
255	102-230-110	Base		Carmelita
256	104-150-550	Base	3949	Estate Dr
257	105-060-080	Base	7679	Glow Ln
258	105-110-190	Base	4221	Cantelow Rd
259	104-120-100	Base	4157	Skyhawk Ln
260	105-200-490	Base	4165	Shelly Ln
261	105-040-710	Base	3946	Ciarlo Ln
262	105-050-590	Base	7690	Olivas Ln
263	105-110-130	Base	4138	Cantelow Rd
264	105-160-150	Base	7231	Steiger Hill Rd
265	105-160-150	Supplemental	7231	Steiger Hill Rd
266	105-010-180	Base	7821	English Hills Rd
267	104-120-890	Base	4015	Skyhawk Ln
268	105-080-340	Base	3970	Sierra Vista Dr
269	105-110-620	Base	7324	Dove Creek Trl (Cantelow)
270	105-110-620	Supplemental	7324	Dove Creek Trl (Cantelow)
271	105-110-630	Base		Cantelow Rd
272	105-110-630	Supplemental		Cantelow Rd
273	105-110-630	Supplemental		Cantelow Rd
274	105-110-630	Supplemental		Cantelow Rd
275	105-110-630	Supplemental		Cantelow Rd
276	105-110-630	Supplemental		Cantelow Rd
277	105-110-630	Supplemental		Cantelow Rd

Water Right Serial #	APN	Description	Street #	Street Name
278	105-110-630	Supplemental		Cantelow Rd
279	105-110-630	Supplemental		Cantelow Rd
280	105-110-630	Supplemental		Cantelow Rd
281	105-110-630	Supplemental		Cantelow Rd
282	105-110-630	Supplemental		Cantelow Rd
283	105-110-630	Supplemental		Cantelow Rd
284	105-200-100	Base	7184	Gibson Canyon Rd
285	123-060-440	Base	3738	Morningbird Ln
286	123-030-590	Base	7020	Steiger Hill Rd
287	105-110-480	Base	4111	Pippo Ln
288	105-010-240	Base	3787	Ciarlo Ln
289	104-150-530	Base		Skyhawk Ln
290	105-180-750	Base	4265	Summerwood Ct
291	105-120-390	Base	4255	Cantelow Rd
292	105-080-240	Base	7538	English Hills Rd
293	105-160-060	Base	3989	Cantelow Rd
294	102-230-040	Base	7500	Stagecoach Ln
295	105-200-040	Base	7148	Scenic Canyon Trl
296	105-160-040	Base	3867	Cantelow Rd
297	105-080-250	Base	7542	English Hills Rd
298	105-180-760	Base	4269	Summerwood Ct
299	105-160-050	Base	3915	Cantelow Rd
300	102-190-030	Base		Bucktown
301	105-110-010	Base	7441	English Hills Rd
302	105-110-010	Supplemental	7441	English Hills Rd
303	104-120-870	Base	4021	Skyhawk Ln
304	105-120-270	Base	7348	Wagon Wheel Ln
305	104-150-180	Base	7868	Spencer Ln
306	105-080-120	Base	7522	English Hills Rd
307	102-230-120	Base		Carmelita Ln
308	104-120-640	Base	7855	Olivas Ln
309	105-010-190	Base	7815	English Hills Rd
310	105-060-110	Base	7676	Glow Ln
311	105-050-370	Base	4238	Shady Creek Ln
312	105-110-580	Base	4130	Pippo Ln
313	105-110-090	Base	4029	Cantelow Rd
314	105-200-330	Base	4010	La Venir
315	105-240-160	Base		Wise Acres
316	105-020-080	Base	4131	Cricket Trail
317	105-100-090	Base	3780-B	Cantelow Rd
318	104-150-570	Base	7931	Linda Vista Ln
319	105-180-610	Base	7171	Shelton Ln
320	102-230-150	Base		Cantelow Rd
321	104-150-370	Base	3971	Estate Dr
322	105-010-260	Base	7747	Elaine Way
323	104-150-480	Base	3903	Skyhawk Ln

Water Right Serial #	APN	Description	Street #	Street Name
324	105-250-020	Base	4147	Peaceful Glen Rd
325	105-010-010	Base	3810	Skyhawk Ln
326	105-170-180	Base	4218	Cantelow Rd
327	105-020-740	Base	4141	Corinne Ct
328	105-090-070	Base	7449	Stocking Ln
329	105-080-330	Base		Calabria Ct
330	123-030-480	Base	3924	Soaring Eagle Trl
331	105-080-400	Base	7507	English Hills Rd
332	105-020-690	Base	7722	English Hills Rd
333	105-070-080	Base	3956	Scenic Ranch Ln
334	105-180-210	Base	7280	Lauras Ln
335	105-200-120	Base	7056	Gibson Canyon Rd
336	104-120-350	Base	7898	Olivas Ln
337	105-230-020	Base	7637	Olivas Ln
338	105-200-030	Base	7152	Scenic Canyon Trl
339	104-150-260	Base	7907	Spencer Ln
340	105-160-100	Base	3966	Cantelow Rd
341	105-190-020	Base	3915	Joslin Ln
342	105-160-170	Base		Bucktown
343	105-160-170	Supplemental		Bucktown
344	104-120-540	Base	4239	Skyhawk Ln
345	105-050-440	Base	7668	English Hills Rd
346	105-010-290	Base	7731	W Ranch Ln
347	105-180-650	Base	7181	Shelton Ln
348	105-180-650	Supplemental	7181	Shelton Ln
349	104-120-900	Base		Olivias Ln
350	105-060-050	Base	4343	Peaceful Glen Rd
351	104-150-470	Base	7932	Spencer Ln
352	105-160-080	Base	4004	Cantelow Rd
353	105-010-220	Base	7771	W Ranch Ln
354	105-240-100	Base	3881	Ez PI
355	102-090-130	Base	3523	Brehme Ln
356	102-090-130	Supplemental	3523	Brehme Ln
357	102-090-130	Supplemental	3523	Brehme Ln
358	102-090-130	Supplemental	3523	Brehme Ln
359	105-050-610	Base	4220	Shady Creek Ln
360	102-230-070	Base	3733	Cantelow Rd
361	104-150-190	Base	7865	Spencer Ln
362	105-020-070	Base	4117	Cricket Trail
363	105-150-060	Base	7331	Pine Haven Ln
364	104-150-220	Base	7879	English Hills Rd
365	104-120-520	Base	4211	Skyhawk Ln
366	105-170-220	Base		Gibson Canyon Rd
367	104-150-100	Base	7898	English Hills Rd
368	105-040-360	Base		Ciarlo Ln
369	105-040-350	Base		Ciarlo Ln

Water Right Serial #	APN	Description	Street #	Street Name
370	105-040-350	Supplemental		Ciarlo Ln
371	105-060-590	Base	4334	Peaceful Glen Rd
372	123-060-430	Base		Morningbird
373	105-150-070	Base	4386	Cantelow Rd
374	105-080-310	Base		Dry Creek Trl
375	105-080-300	Base		Stocking Ln
376	105-090-060	Base	7450	Stocking Ln
377	105-120-340	Base	4357	Cantelow Rd
378	105-110-340	Base	7351	English Hills Rd
379	105-200-190	Base	7101	Gibson Canyon Rd
380	105-060-130	Base	4387	Peaceful Glen Rd
381	105-100-110	Base	3771	Cantelow Rd
382	105-080-140	Base	7506	English Hills Rd
383	105-240-080	Base	7121	Solitude Ct
384	105-200-020	Base	7164	Scenic Canyon Trl
385	105-190-050	Base	3859	Joslin Ln
386	105-040-160	Base	3941	Meadowbrook Ln
387	105-240-020	Base	7221	Steiger Hill Rd
388	102-140-270	Base		Bucktown
389	102-140-270	Supplemental		Bucktown
390	102-140-270	Supplemental		Bucktown
391	102-140-270	Supplemental		Bucktown
392	102-140-270	Supplemental		Bucktown
393	102-140-270	Supplemental		Bucktown
394	105-060-450	Base	4273	Shady Creek Ln
395	105-060-570	Base	4384	Peaceful Glen Rd
396	104-120-910	Base		Olivas Ln
397	105-040-450	Base	3912	Ciarlo Ln
398	105-240-050	Base	3949	Joslin Ln
399	105-050-400	Base	4262	Shady Creek Ln
400	105-010-140	Base	7790	English Hills Rd
401	104-120-330	Base	7906	Olivas Ln
402	102-140-290	Base	3619	Brehme Ln
403	105-150-320	Base	4429	Cantelow Rd
404	105-150-310	Base	4441	Cantelow Rd
405	105-050-600	Base	4202	Shady Creek Ln
406	102-070-120	Base	3668	Cantelow Rd
407	105-080-440	Base	7533	English Hills Rd
408	105-040-520	Base	3904	Ciarlo Ln
409	105-120-290	Base	7384	Wagon Wheel Ln
410	105-010-520	Base	3749	Ciarlo Ln
411	105-010-390	Base	7854	W Ranch Ln
412	105-020-650	Base	7758	English Hills Rd
413	105-020-650	Supplemental	7758	English Hills Rd
414	105-020-650	Supplemental	7758	English Hills Rd
415	105-200-440	Base	7110	Steiger Hill Rd

Water Right Serial #	APN	Description	Street #	Street Name
416	105-170-190	Base	7301	Summerwood Ln
417	102-070-130	Base	3672	Cantelow Rd
418	105-250-010	Base	7636	Gish Rd
419	104-150-420	Base	3966	Estate Dr
420	105-040-580	Base	3854	Ciarlo Ln
421	105-050-840	Base	7568	English Hills Rd
422	105-200-290	Base	7135	Gibson Canyon Rd
423	105-010-150	Base	7786	English Hills Rd
424	105-090-030	Base	7440	Stocking Ln
425	105-140-220	Base	4431	Clancy Ln
426	123-030-380	Base	7043	Steiger Hill Rd
427	105-110-240	Base	4239	Cantelow Rd
428	105-110-500	Base	4125	Pippo Ln
429	105-200-200	Base	7097	Gibson Canyon Rd
430	105-200-200	Supplemental	7097	Gibson Canyon Rd
431	105-200-200	Supplemental	7097	Gibson Canyon Rd
432	105-200-200	Supplemental	7097	Gibson Canyon Rd
433	105-200-200	Supplemental	7097	Gibson Canyon Rd
434	105-200-200	Supplemental	7097	Gibson Canyon Rd
435	105-200-200	Supplemental	7097	Gibson Canyon Rd
436	105-200-200	Supplemental	7097	Gibson Canyon Rd
437	105-200-200	Supplemental	7097	Gibson Canyon Rd
438	105-200-200	Supplemental	7097	Gibson Canyon Rd
439	105-200-200	Supplemental	7097	Gibson Canyon Rd
440	105-200-260	Base	4135	Shelly Ln
441	105-070-490	Base		Cantelow
442	105-200-010	Base	7176	Scenic Canyon Trl
443	105-050-270	Base	4142 A	Valley View Ln
444	105-050-430	Base	7680	English Hills Rd
445	123-060-400	Base	3798	Morningbird Ln
446	105-070-290	Base	3925	Sierra Vista Dr
447	105-190-120	Base	3851	Joslin Ln
448	105-090-090	Base		Timm Rd
449	105-120-130	Base	4329	Cantelow Rd
450	105-070-470	Base		Cantelow Rd
451	105-240-150	Base		Wise Acres Ln
452	105-060-190	Base	4392	Peaceful Glen Rd
453	105-200-470	Base		Gibson Canyon
454	105-200-500	Base	4150	Shelly Ln
455	105-010-350	Base	7742	Elaine Way
456	104-150-290	Base	7921	Spencer Ln
457	105-020-560	Base	4199	Suncatcher Ln
458	105-020-230	Base	4184	Skyhawk Ln
459	105-020-270	Base	4228	Skyhawk Ln
460	102-140-230	Base	3567	Brehme Ln
461	104-150-540	Base	7896	English Hills Rd

Water Right Serial #	APN	Description	Street #	Street Name
462	105-020-670	Base	7700	English Hills Rd
463	105-190-040	Base	3875	Joslin Ln
464	105-010-440	Base	7791	English Hills Rd
465	105-040-600	Base	3812	Ciarlo Ln
466	102-230-080	Base	3675	Cantelow Rd
467	102-030-200	Base	7677	Carmelita Way
468	105-050-550	Base	7650	Olivas Ln
469	102-140-310	Base	3645	Brehme Ln
470	105-080-130	Base	7514	English Hills Rd
471	105-050-260	Base	7598	Deer Valley Trl
472	105-050-480	Base	7670	Clover Ln
473	104-150-240	Base	7915	Spencer Ln
474	105-110-570	Base	4108	Pippo Ln
475	105-020-260	Base	4196	Skyhawk Ln
476	104-150-520	Base	3850	Skyhawk Ln
477	105-060-030	Base	7672	Acacia Ln
478	105-020-750	Base	4163	Corinne Ct
479	105-210-580	Base	7115	Shelton Ln
480	104-150-580	Base	7909	Linda Vista Ln
481	104-150-620	Base	7858	English Hills Rd
482	104-120-710	Base	4010	Estate Dr
483	105-240-030	Base	7219	Steiger Hill Rd
484	105-070-250	Base	3950	Sierra Vista Dr
485	104-120-620	Base	4145	Skyhawk Ln
486	105-080-480	Base	4013	Scenic Ranch Ln
487	105-070-510	Base	3959	Scenic Ranch Ln
488	123-010-270	Base	3710	Morningbird Ln
489	105-020-730	Base	4096	Mountain View
490	105-010-530	Base	7803	English Hills Rd
491	105-160-230	Base		Cantelow Rd
492	105-010-540	Base	7799	English Hills Rd
493	102-090-140	Base		Brehme Ln
494	102-090-140	Supplemental		Brehme Ln
495	102-090-140	Supplemental		Brehme Ln
496	102-090-140	Supplemental		Brehme Ln
497	105-010-460	Base		English Hills Ln
498	104-120-920	Base		Olivas Ln
499	105-080-500	Base	7494	English Hills Rd
500	105-110-680	Base		Lot 3 English Hills Rd
501	105-230-040	Base	7673	Olivas Lane
502	105-250-040	Base	7637	Gish Rd
503	105-230-030	Base	7689	Olivas Lane
504	105-080-510	Base	7494 C	English Hills Rd
505	105-080-490	Base	7490	English Hills Rd
506	105-110-670	Base		Lot 2 English Hills Rd
507	105-210-600	Base	7144	Liberty Ln

Water Right Serial #	APN	Description	Street #	Street Name
508	105-020-240	Base	7804	Olivas Lane
509	105-070-320	Base	3928	Sierra Vista Dr
510	105-170-240	Base	4005	Lot 1 Cantelow Rd
511	105-110-700,710	Base		Lot 2 Cantelow Rd
512	105-110-720,730	Base		Lot 3 Cantelow Rd
513	105-170-250	Base	4142	Lot 4 Cantelow Rd
514	105-110-660	Base	4097	English Creek
515	105-080-270	Base	7465	Dry Creek Trl
516	105-020-660	Base	7760	English Hills Rd
517	105-010-480	Base	7764	English Hills Rd
518	105-010-490	Base	7766	English Hills Rd
519	105-190-090	Base	7061	Steiger Hill Rd
520	105-190-090	Supplemental	7061	Steiger Hill Rd
521	105-190-090	Supplemental	7061	Steiger Hill Rd
522	105-190-090	Supplemental	7061	Steiger Hill Rd
523	105-220-030	Base	4019	Blackthorn Dr
524	105-170-050	Base	4245	Independence Ln
525	105-110-770	Base		English Creek
526	105-110-760	Base		English Creek
527	105-110-750	Base		English Creek
528	104-150-210	Base	7853	English Hills Rd
529	123-030-370	Base	7055	Steiger Hill Rd
530	105-190-070	Base	3864	Joslin Ln
531	105-040-470	Sale Pending	7717	W Ranch Ln (Forfang)
532	105-200-180	Sale Pending		Joslin and La Venir (Perkins)
533	0123-030-060, 070 and 0123-070-020	Sale Pending		Steiger Hill Rd (English Hills LLC)
		115	Total Supplemental	
		415	Total Base	
		3	Sale Pending	
		533	Total	

MBR 17



RURAL NORTH VACAVILLE WATER DISTRICT

POLICY TITLE: Will Serve Letters
POLICY NUMBER: 3135
ADOPTION: 2-14-23
REVISIONS: None

3135.1. A Will Serve Letter demonstrates that the District intends to provide service to the property site. The District evaluates the following criteria prior to issuance of a will serve letter:

1. That the District has the ability to serve the parcel(s) requesting annexation. **GM to perform.**
2. District will confirm that the property is located within the SOI. **GM to perform.**
3. District will confirm addition of new service connections within allowed capacity. **GM to perform**
4. New service connections will meet District Standards, Specifications and Fire Department Standards and local Fire Marshal requirements. **SID to perform.**
5. New service connections are in compliance with all requirements of appropriate regulatory agencies. **SID to perform.**
6. Verify that the District has the capacity that meets State Water Works Standards including MDD requirements per CCR §64544. **Coastland Civil Engineers.**

RM2101

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ATTACHMENT H

9-27-23

Topics for discussion regarding LAFCO SOI update. Prepared by RNVWD

1. LAFCO requested a legal review and clarification of the definition of a RNVWD water right. This is defined in the District Rules and Regulations. Reference legal comments from November 2021 attached.
2. LAFCO requested clarification that a water right runs with the land. When a property is sold, the water right is part of the sale transaction. If a property owner with a water right is not selling their property and does not want the water right anymore, it can be sold to a qualified buyer in the district subject to Board approval. Since the formation of the District all the annual assessments to pay off the loan run with the land regardless of change of ownership. Nothing has changed. Same is true now after loan has been paid off. Water Rights for a connection to the RNVWD water system are not recorded on the Deeds. The district has created a serial number for all 533 water rights. Public RNVWD water may or may not be noted in a title report by title companies. This is usually clarified during the listing process and purchase agreements by the realtors and seller of the property.
3. Sale of Water Right Outside the District, District has identified and allocated two district owned water rights for two properties that have asked to be included in the Sphere of Influence update. These water rights will be sold to the property owners only after included in the sphere and approval by LAFCO at time of Annexation. If these two parcels are not included in the SOI then they cannot make an application for Annexation. The District does not sell or allow transfer of water rights to others outside of the district. Water rights are not investment commodities.
4. One water right and connection per legal property parcel. This is in the Rules and Regulations. Regardless of the number of APNs a legal property may have for tax purposes, that has no bearing on the number of connections. Connections are limited to one per legal property. Reference the district Rules and Regulations.
5. Coastland Proposal for Hydraulic Modeling of the system, \$27,000. We believe that this is not needed for Sphere Update or Annexations. The operation system of the district is well known by SID and RNVWD due to the 20 year history of the district. If an Annexation is significant to require this modeling, then the developer will be required to fund this task. We all believe that creating this engineering model is a good idea in the long term and the District may be able to accomplish this when funds are available. Reference attached quote from Coastland.
6. Fire protection is a very important focus for the water district. We have added emergency generators to all pump stations, put the second well into full time operation which doubles the flow of water available for firefighting and developers have added hydrants for annexations when doing main extensions. All this over 2 million dollars of district investment.

TOPICS #1

9/27/23, 8:04 AM

RG West Builders Mail - FW: RNVWD - water rights



Gordon Stankowski <gordon@rgwestbuilders.com>

FW: RNVWD - water rights

1 message

Mazzella, Lori <LAMazzella@solanocounty.com>
 To: Gordon Stankowski <gordon@rgwestbuilders.com>

Mon, Sep 25, 2023 at 3:35 PM

Gordon-

Here is the email I sent to Rich almost 2 years ago discussing the history of the District and water rights. Rich asked me how RNVWD defined water rights because it was mysterious to him. You can see that I referenced conversations between you and me, as we discussed all of this prior to me sending the below to Rich.

Lori Mazzella

Deputy County Counsel

(707)784-2945

Confidential Attorney Client Privileged Communication/Attorney work product

From: Mazzella, Lori
Sent: Monday, November 1, 2021 1:52 PM
To: Rich Seithel <rseithel@solanocalco.com>
Subject: RE: RNVWD - water rights

Hi Rich-

I don't think it's mysterious when we look at the history of the District. Admittedly, I researched other water districts first and found that some did charge a new user fee in the neighborhood of 5 figures (\$20-40k) in addition to the connection fee - -although it is not called a water right. But talking with someone who was around at District formation was a real "lightbulb" moment for me. In other words, I could see the logic in what they did at the time, even though it appears to be a mess now.

At any rate, here is what happened at RNVW District formation:

1. Large loans were taken out. The District planned to rely on assessments to pay back these loans. The District wanted to assess parcels that had signed up to use water.
2. There was a concern about giving voting rights (especially under Prop 218) to properties that weren't going to use the service and might tend to vote down any proposed rates.

9/27/23, 8:04 AM

RG West Builders Mail - FW: RNVWD - water rights

So, the concept of "water rights" was born. Water rights will designate which properties to assess and who gets voting rights. There was some benefit in giving water rights prior to the property being actually connected - in this manner, payback of the loans would be facilitated by the assessments. (Parenthetically, I am aware that RNVWD admin staff does communicate with the ROV regularly, but I have not confirmed independently how many voters are in the District.)

Purchasing one "water right" will give the owner right to one connection only. Even if they build an ADU, they will not get a second connection - they can connect the ADU to the same water line as the main unit.

Supplemental water rights have been sold to property owners who planned to subdivide their properties. (e.g. Don Pippo, who was on the Board, purchased multiple supplemental rights as he was interested in developing his property.) The District will not sell supplemental rights if the property is too small to be subdivided (e.g. if 2.5 acres is the minimum parcel size, the main parcel will have to be at least 5 acres to purchase supplemental rights.)

Gordon informs me that he tried to work with LAFCO staff in the past to get an accurate map of the District. Unfortunately, not having a lot of direct experience with public agencies, he did not know that some lots have multiple APN numbers. Some of the "holes" you are seeing in the District are possibly second and third APN numbers for the same legal lot that has a connection and is "in the District."

Lots that pay for fire protection only but are close enough to water lines are also considered to be in the District.

As of today, those lots that do not have water rights but are within the outer boundaries of the District and are close enough to the water lines to get a connection are considered in the sphere of influence.

What the District says about the "magic" number of 533 was confirmed as well: the number was arrived at looking at acreage, number of parcels, average water usage, etc. I've been told that the District will commission another engineer's report next year to look at these original assumptions that landed on 533 to see if the number should go up or down.

Let me know if you have any questions or need any other information.

Lori Mazzella

Deputy County Counsel

(707)784-2945

Confidential Attorney Client Privileged Communication/Attorney work product



July 21, 2023

Mr. Dale Motiska
General Manager
Rural North Vacaville Water District
Vacaville, CA 94533
via email: gm@rnvwd.com

Subject: On-Call General Engineering Support Services for Rural North Vacaville Water District

Dear Mr. Motiska:

Per your request, we have prepared this letter proposal to provide general engineering support services to the Rural North Vacaville Water District (District). It is anticipated that the engineering support services will be requested by the District on a task-order basis with the scope of work specified in a brief letter proposal for each task. Coastland | DCCM will respond to each request with a written cost estimate prior to beginning the work. We have attached Coastland | DCCM's Standard Agreement (Agreement) for your signature along with our current hourly rate schedule. We have enjoyed working for the District and look forward to supporting your additional engineering support services.

The initial task, Task 1, under this Agreement is a computer modeling effort of the existing distribution system to support Coastland | DCCM's opinion of the geographical boundaries that the existing system is capable of serving for fire and domestic service. Based on your discussion with George Hicks, we have put together the proposed scope of work and approach as described below. We have also included our opinion of the probable costs for completing Task 1.

TASK 1 – EXISTING DISTRIBUTION SYSTEM EVALUATION WITH MODELING

LAFCO's Resolution No. 2023-68 defined the Sphere of Influence (SOI) and Fire Service Areas (FSA) based on a subjective ranking system using LAFCO staff definitions for 'appropriate and probable' use in the Government Code and a compilation of assumptions and data from a collection of sources. In their staff report, LAFCO staff suggested that their approach was necessary due to the lack of an engineering study determining the area that can be served. To help address this issue, Coastland | DCCM proposes to determine the areal extent of the SOI and FSA using a simplified hydraulic 'model' of the existing District distribution. The model will define engineering conditions that parcels must meet to be serviced by the District for potable water or fire water. For example, locations within the distribution where water pressure is less than the required fire service flows and/or pressures will be identified in the model for the fire water service area.

The model will use pipe sizes, pipe lengths, tank elevations and valve locations provided by the District's GIS system. We assume that historical water use data will be provided from the District's metering system, and if available, through the District's SCADA system. Excel software will be used for the model using a 'skeleton' version of the existing distribution system. Modeling scenarios will be limited to one scenario for water service with the distribution system operating at the maximum daily demand with storage and well supply at fixed conditions and a second scenario for fire service with the distribution system operating at maximum hourly demand with storage and well supply also at fixed conditions.

Santa Rosa
1400 Nectomas Avenue
Santa Rosa, CA 95405
Tel: 707.571.4005

Auburn
11641 Blocker Drive, Ste. 120
Auburn, CA 95603
Tel: 530.686.9029

Pleasant Hill
3478 Busark Avenue, Ste. 1030
Pleasant Hill, CA 94523
Tel: 925.233.5333

Fairfield
423 Executive Court North, Ste. G
Fairfield, CA 94534
Tel: 707.702.1961

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Modeling results will be delivered to the District in a draft Memorandum. Comments from the District and LAFCO will be incorporated into a draft Final Memorandum for presentation by the District's staff to the District Board of Directors. Comments from the District's board will be included into the Final Memorandum, which we presume will then be submittal to LAFCO.

Prior to beginning the modeling effort, Coastland | DCCM proposes a meeting with the Vacaville Fire Protection District (VFPD) and LAFCO staff to confirm the VFPD's pressure and flow requirements for fire service and confirm the modeling scenarios. Residual pressure values listed in the LAFCO resolution are higher than typical pressures required by surrounding fire districts and we believe should be discussed with the VFPD.

We propose having George Hicks serve as our project manager for these services. He will be supported by Hugh Miles and other Coastland | DCCM staff if/as needed. Attached is our estimate to complete the scope of work previously described. If additional work is necessary that exceeds this amount or falls outside this scope of work, we can work with you to amend the budget.

We hope this proposal meets with your approval. If you have any questions regarding this proposal, please do not hesitate to contact us. We appreciate this opportunity and look forward to continue working with the District.

Sincerely,



John L. Wanger, PE
CEO



George Hicks, PE
Supervising Engineer

COASTLAND CIVIL ENGINEERING, LLP

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COASTLAND DCCM		WORK ESTIMATE					RNVWD	
Hydraulic Modeling - SOI & FSA		Engineering Services					RNVWD	
Task Information		Hours & Cost					TOTAL FEE	
TASK	Project Manager	Supervising Eng.		Associate Eng.		TOTAL HOURS	TOTAL FEE	
		GH	HM	IM	JM			
1 HYDRAULIC MODELING								
1.0	Kickoff Meeting	1	2		1	4	\$820	
1.1	Gather existing GIS, SCADA, Modeling Data		2		8	10	\$1,950	
1.2	Develop Model	1	28		32	61	\$11,960	
1.3	Meetings with VFD and LAFCO	4	6			10	\$2,140	
1.4	SOI Service Determinations	2	4		8	14	\$2,720	
1.5	Fire Service Area Service Determinations	2	4		8	14	\$2,720	
						113	\$22,120	
2 TECHNICAL MEMORANDUM								
2.1	Draft Memorandum	2	8		8	18	\$3,560	
2.2	Draft Final Memorandum	2	4		4	10	\$2,000	
2.3	Final Memorandum	1	2		2	5	\$1,000	
Direct Costs (reprc, mileage, etc.)						33	\$6,560	
Total Cost		15	60		71	146	\$29,180	

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PROFESSIONAL SERVICES AGREEMENT

AGREEMENT

This Agreement is made and entered into this 14th day of July 2023 by and between Rural North Vacaville Water District, hereinafter referred to as "**DISTRICT**", and Coastland Civil Engineering LLP, hereinafter referred to as "**CONSULTANT**."

RECITALS

WHEREAS, DISTRICT has the need for general civil engineering support services.

WHEREAS, DISTRICT desires to contract for such services with a private CONSULTANT; and

WHEREAS, CONSULTANT is experienced in providing such services for municipal corporations and is able to provide personnel with the proper experience and background to carry out the duties involved; and

WHEREAS, DISTRICT wishes to retain CONSULTANT for the performance of said services;

WHEREAS, CONSULTANT is an Independent Contractor, is not an employee of the DISTRICT; and

NOW, THEREFORE, in consideration of the mutual covenants, benefits and premises herein stated, the parties hereto agree as follows:

DISTRICT, does hereby appoint CONSULTANT, in a contractual capacity, to perform the following services in accordance with the terms and conditions hereinafter set forth;

DESCRIPTION OF SERVICES

Services associated with the contract shall include general engineering based on CONSULTANT's assessments of applicable community-based water system regulations, visual inspections of existing DISTRICT facilities, CONSULTANT's professional

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experience and opinion and based on DISTRICT-supplied information for use by CONSULTANT. CONSULTANT and DISTRICT agree that at this time neither can determine the scope of work nor the amount of time required for each task to be included in this Agreement. Services shall be requested by the DISTRICT in writing for each task and CONSULTANT shall provide a written scope of services to the DISTRICT prior to start of work on the task.

PAYMENT TERMS

DISTRICT agrees to pay CONSULTANT for Services on a time and materials basis indicated per CONSULTANT's proposal for each task order per CONSULTANT's current Schedule of Hourly Rates. Said Schedule of Hourly Rates are subject to adjustment each July 1.

To be eligible for payment, CONSULTANT invoices must be submitted not more often than monthly to the DISTRICT and list amounts to be paid according to the hourly rate schedule shown in the Proposal. CONSULTANT shall maintain adequate records to permit inspection and audit of CONSULTANT's time and material charges under this Agreement. CONSULTANT will make such records available to DISTRICT during normal business hours upon reasonable notice. If DISTRICT fails to pay CONSULTANT within thirty (30) days after invoices are rendered, CONSULTANT shall have the right in its sole discretion to consider such default in payment a material breach of this entire agreement, and, upon written notice, CONSULTANT's duties, obligations, and responsibilities under this agreement may be suspended or terminated. In such event, DISTRICT shall promptly pay CONSULTANT for all outstanding fees and charges due CONSULTANT at the time of suspension or termination.

TIME OF PERFORMANCE

For the purposes of this Agreement, the "contract date" will be July 1, 2023. CONSULTANT shall commence performance of the Services upon receipt of written direction to proceed from DISTRICT after the contract date. CONSULTANT will continue to provide services to DISTRICT until the work is completed.

INDEPENDENT CONTRACTOR

CONSULTANT and DISTRICT agree that CONSULTANT will perform the Services as an independent contractor and not as an employee or agent of the DISTRICT. Persons employed or utilized by CONSULTANT in the performance of the Services will not be employees or agents of the DISTRICT.

SUBCONTRACTING

CONSULTANT may subcontract for services required to perform the Services upon the prior written approval of the DISTRICT. The CONSULTANT will be solely responsible for payment of such subcontract services. No contractual relationship will exist between any such subcontractors of the CONSULTANT and the DISTRICT.

STANDARD OF PERFORMANCE

CONSULTANT will perform the Services in the manner and according to the standards observed by a competent practitioner of the profession in which CONSULTANT is engaged in the geographical area in which CONSULTANT practices its profession and will provide all services required by this Agreement per industry standards and per the manner approved by the DISTRICT. CONSULTANT will use reasonable care and diligence to comply with applicable federal, state and local laws in the performance of the Services.

INDEMNITY

CONSULTANT agrees to indemnify and hold harmless DISTRICT and its officers, officials, employees and agents from and against any and all liability, loss, damage, claims, expenses, and costs to the extent arising out of the negligent acts, errors or omissions of CONSULTANT in connection with CONSULTANT's performance of the Services or its failure to comply with any of its obligations contained in this Agreement, excluding liability due to the negligence or willful misconduct of DISTRICT.

DISTRICT shall assume the defense of, and indemnify and save harmless CONSULTANT and each and every employee and agent thereof from all suits, actions, damages, claims, or loss of every name and description to which the CONSULTANT may be subjected or put to the extent caused by DISTRICT's negligent performance under this contract. In providing the indemnification of CONSULTANT provided in this contract, DISTRICT agrees to provide for all costs of any necessary legal defense, to the extent DISTRICT is culpable.

INSURANCE

Before commencing performance of the Services, CONSULTANT, shall provide insurance of the kinds and in the amounts specified below against claims for injuries to persons or damages to property that may arise from or in connection with the performance of the Services hereunder by the CONSULTANT or its agents, representatives,

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employees, or subcontractors and shall submit to the DISTRICT certificates of insurance and endorsements evidencing insurance coverage that meets the requirements of this section. CONSULTANT must maintain the insurance policies required by this section throughout the term of this Agreement. The cost of such insurance must be included in the CONSULTANT's proposal. CONSULTANT may not allow any subcontractor to commence work on the Services until CONSULTANT and/or subcontractor have obtained all insurance required by this Agreement for the subcontractor(s) and submitted certificates of insurance and endorsements evidencing such coverage to the DISTRICT.

CONSULTANT shall maintain Statutory Workers' Compensation Insurance and Employer's Liability Insurance for any and all persons employed directly or indirectly by CONSULTANT. The Statutory Workers' Compensation Insurance and Employer's Liability Insurance must be provided with limits of not less than ONE MILLION DOLLARS (\$1,000,000.00) per accident. The insurance must be endorsed to waive all rights of subrogation against the DISTRICT and its officials, officers, employees, and volunteers for loss arising from or related to the Services.

CONSULTANT shall maintain commercial general and automobile liability insurance for the term of this Agreement in an amount not less than ONE MILLION DOLLARS (\$1,000,000.00) per occurrence, combined single limit coverage for risks associated with Services. If a Commercial General Liability Insurance or an Automobile Liability form or other form with a general aggregate limit is used, either the general aggregate limit shall apply separately to the Services or the general aggregate limit shall be at least twice the required occurrence limit. Such coverage shall include but shall not be limited to, protection against claims arising from bodily and personal injury, including death resulting there from, and damage to property resulting from activities contemplated under this Agreement.

Required commercial general coverage shall be as broad as Insurance Services Office Commercial General Liability occurrence form CG 2010 (ed. 11/85). Automobile coverage must be at least as broad as Insurance Services Office Automobile Liability form CA 0001 (ed. 12/90) Code 1 ("any auto"). No endorsement may be attached limiting the coverage.

CONSULTANT shall maintain for the period covered by this Agreement professional liability insurance in an amount not less than ONE MILLION DOLLARS (\$1,000,000) per claim/annual aggregate covering errors and omissions.

The DISTRICT may approve a variation in the foregoing insurance requirements, upon a determination that the coverage's, scope, limits, and forms of such insurance are either not commercially available, or that the DISTRICT interests are otherwise fully protected.

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NON DISCRIMINATION

During the performance of this Agreement, CONSULTANT will not discriminate against any employee of the CONSULTANT or applicant for employment because of race, religion, creed, color, national origin, sex, or age. CONSULTANT will take affirmative action to ensure that applicants are employed and that employees are treated during employment without regard to their race, religion, creed, color, national origin, sex or age.

OWNERSHIP OF WORK PRODUCTS AND TREATMENT OF DOCUMENTS

All plans, specifications, reports and other documents prepared by CONSULTANT pursuant to this Agreement shall be provided to the DISTRICT. Unless the DISTRICT has obtained expressed written permission from the CONSULTANT, any modification of such documents by the DISTRICT or reuse of said documents will be at the DISTRICT's sole risk and the CONSULTANT shall not be held liable for any such re-use. DISTRICT agrees to indemnify and defend CONSULTANT for damages or claims resulting from such unauthorized modification or re-use. Except as may be otherwise required by law, CONSULTANT will disclose no data, plans, specifications, reports or other documents pertaining to the Services without the prior written consent of the DISTRICT. CONSULTANT's records concerning this Agreement must be retained and available for audit by the DISTRICT and/or State Auditor for a period of three years following final payment under the Agreement.

TERMINATION AND REMEDIES

Either party may terminate this Agreement for convenience by giving at least 30 days written notice to the other party specifying the termination effective date. CONSULTANT may continue performance of the Services through the date of termination. DISTRICT shall pay CONSULTANT for all Services actually performed in accordance with this Agreement through the termination effective date.

CONSULTANT shall be entitled to immediately and without notice, suspend the performance of any and all of its obligations pursuant to this agreement if DISTRICT files a voluntary petition seeking relief under the United States Bankruptcy Code or if there is an involuntary bankruptcy petition filed against DISTRICT in the United States Bankruptcy court, and that petition is not dismissed within fifteen (15) days of its filing. Any suspension of services made pursuant to the provisions of this paragraph shall continue until such time as this agreement has been fully and properly assumed in accordance with the applicable provisions of the United States Bankruptcy code and in compliance with the final order or judgment issued by the Bankruptcy Court. If the suspension of performance of CONSULTANT's obligation pursuant to this agreement continues for a

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period in excess of ninety (90) days, CONSULTANT shall have the right to terminate all services pursuant to this agreement.

BINDING EFFECT AND ASSIGNMENT PROHIBITION

This Agreement is binding upon DISTRICT, CONSULTANT, and their successors. Except as otherwise provided herein, neither DISTRICT nor CONSULTANT may assign, sublet or transfer its interest in this Agreement or any part thereof without the prior written consent of the other, and any purported assignment without such consent will be void.

REPRESENTATIVES

The DISTRICT representative for purposes of this Agreement will be the General Manager (representative from DISTRICT). The CONSULTANT representative for purposes of this Agreement will be John Wanger (representative from CONSULTANT).

DISTRICT:

CONSULTANT:

Dale Motiska
Rural North Vacaville Water District
P.O. Box 5097
Vacaville, CA 95696
Phone: (707) 447-8420

George Hicks
Coastland Civil Engineering, LLP
420 Executive Court North, Suite G
Fairfield, CA 94534
Phone: (707) 702-1962

The parties designated representatives will be the primary contact persons regarding the performance of the Services. The parties intend that their designated representatives will cooperate in all matters regarding this Agreement and in such manner to achieve performance of the Services in a timely and expeditious fashion.

INTEGRATION AND AMENDMENT

This Agreement represents the entire and integrated agreement between DISTRICT and CONSULTANT and supersedes all prior negotiations, representations or agreements,

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either written or oral. This Agreement may be modified or amended only by a subsequent written agreement signed by both parties.

CONFLICT OF INTEREST PROHIBITION

CONSULTANT may employ no DISTRICT official, officer or employee in the performance of the Services. No official, officer, or employee of DISTRICT may have any financial interest in this Agreement in violation of California Government Code Section 1090 and following. DISTRICT and CONSULTANT will comply with the requirements of the DISTRICT's Conflict of Interest Code adopted pursuant to the provisions of California Government Code Section 87300 and following and any other ethics laws applicable to the performance of the Services and/or this Agreement.

APPLICABLE LAW

The laws of the State of California shall govern the rights, obligations, duties and liabilities of the parties to this Agreement and shall also govern the interpretation of this Agreement.

DISPUTES

In an effort to resolve any conflicts that arise during the project or following completion of the project, DISTRICT and CONSULTANT agree that all disputes between them arising out of or relating to this agreement shall be submitted to nonbinding mediation, unless the parties mutually agree otherwise. This does not preclude or limit CONSULTANT's right to file an action for collection of fees if the amount in dispute is within the jurisdiction of the small claims court, nor does it preclude or limit CONSULTANT's right to record, perfect or enforce applicable mechanic's lien or stop notice remedies.

RECOVERY OF ATTORNEY'S FEES

DISTRICT and CONSULTANT each agree to indemnify and hold the other harmless, and their respective officers, employees, agents, and representatives, from and against liability for all claims, losses, damages, and expenses, including reasonable attorneys' fees, to the extent such claims, losses, damages, or expenses are caused by the indemnifying party's negligent acts, errors, or omissions. In the event claims, losses, damages, or expenses are caused by the joint or concurrent negligence of DISTRICT and CONSULTANT, they shall be borne by each party in proportion to its negligence.

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SEVERABILITY

If a court of competent jurisdiction finds or rules that any provision of this Agreement is invalid, void, or unenforceable, the provisions of this Agreement not so adjudged will remain in full force and effect. The invalidity in whole or in part of any provision of this Agreement shall not void or affect the validity of any other provision of this Agreement.

IN WITNESS HEREOF, the parties have caused their authorized representative to execute this Agreement on this 14th day of July 2023.

DISTRICT:

(Rural North Vacaville Water District)

CONSULTANT:

(Coastland Civil Engineering, LLP)

By: _____

By: _____

Name: _____

Name: _____

Title: _____

Title: _____

Date: _____

By: _____

Name: _____

Title: _____

Date: _____

July 21, 2023
 RNVWD On-Call General Engineering Support and Task I

SCHEDULE OF HOURLY RATES

July 1, 2023, through June 30, 2024

PROFESSIONAL SERVICES

Principal Engineer	\$230 - \$250/hour
Supervising Engineer	\$200 - \$230/hour
Senior Engineer	\$185 - \$205/hour
Associate Engineer	\$170 - \$190/hour
Assistant Engineer	\$150 - \$175/hour
Junior Engineer	\$140 - \$150/hour
Senior Engineering Technician	\$160 - \$180/hour
Engineering Technician	\$145 - \$160/hour
Engineering Aide	\$120 - \$140/hour
Resident Engineer	\$180 - \$205/hour
Construction Manager	\$165 - \$200/hour
Assistant Construction Manager	\$150 - \$170/hour
Construction Inspector*	\$155 - \$185/hour
Construction Administrator	\$110 - \$120/hour
Building Plan Check Engineer/Architect	\$170 - \$205/hour
Building Official and/or CASp	\$170 - \$205/hour
Supervising Building Inspector	\$175 - \$190/hour
Senior Building Inspector	\$145 - \$175/hour
Building Inspector (I & II)	\$125 - \$145/hour
Supervising Plans Examiner	\$170 - \$190/hour
Senior Plans Examiner	\$145 - \$170/hour
Plans Examiner (I & II)	\$115 - \$145/hour
Supervising Permit Technician	\$145 - \$155/hour
Senior Permit Technician	\$130 - \$145/hour
Permit Technician (I & II)	\$110 - \$130/hour
Administrative	\$110 - \$120/hour
VEHICLE	\$18.00 – \$25.00/hour
MILEAGE	\$0.68/mile
OUTSIDE SERVICES	Cost + 15%
MATERIALS	Cost + 15%

- When applicable, mileage or vehicle rates will be charged, but not both.
- * Includes services subject to prevailing wage rates.

ATTACHMENT I

LAFCO responses and comments in Blue

1. The property is in the original Community Service District (CSD) Boundary at district formation. (see attached)
Not true. It was considered but removed from consideration by property owners request. The map you attached is for the study area, not the adopted formation map.

2. The property was included in the original Environmental review area that had CEQA Approval in 1995 at the formation of the district. (see attached)
The RNVWD Community Service District was created in 1996 with a general CEQA review in a Negative Declaration . The October 2, 1995, LAFCO staff report for the public hearing on the formation of the RNVWD CSD, staff explained that the Negative Declaration was sufficient for the formation because the project description relied on and incorporated mitigation measures from the 1995 Solano Water Authority “North Central Solano County Groundwater Resources Report.” The Report found that continued extraction of groundwater would not result in any potentially significant cumulative impacts on groundwater recourse on nearby shallow wells, provided that several mitigation measures were implemented.
According the project description in the Negative Declaration, “The project consists of the formation of a Community Service District (CSD) [that will] build and maintain a public water system for the provision of potable water for home and garden use and water for fire suppression sized to serve existing and future parcel within the project’s proposed boundaries.” (page 2-3). The document also states that the review is general in nature with no defined size of the proposed District or the Sphere, nor the number of parcels. However, since the project description included the mitigation measures, from the SWA Report, since it conformed to County policies regarding establishment of a public water supply, and since it would not be growth including – a Negative Declaration was adopted. Such an adoption was consistent with PRC §21080(c)(2).

3. English Hills LLC was part of the requested EXCLUSIONS during formation and LAFCO appears to have removed it from the District, the Boundary and the sphere to accommodate the property owners request.
Removal was requested before formation. Therefore, it was never in the District.

4. This property falls in the probable future use area. This property, along with the perkins property, are the only two property owners "outside of the sphere" that have declared that they intend to connect to the district should they be successfully annexed.

It appears “probable” through English Hills LLC actions to-date, but it is missing information, including CEQA analysis, to bring forward.

5. English Hills LLC and Perkins are the only two confirmed future use properties out of the 18 LAFCO is considering. Additionally, these are the only two property owners requesting sphere inclusion in the last 20 years.

Okay. Question: Is this drought of 20 years reflective of minimal outreach?

6. No water rights were sold prematurely, the water rights were reserved with clause the exact same way that was done for Perkins and the last 30+ water rights sold by the district. They are held in good faith that if the properties get successfully annexed those property owners agree to buy the water right from the district.

Curious statement. Is it a “first come first served”? Held in a “legal clause”? Held just in “good faith”?

7. Key Points packet (see attached) which includes:





- a. the APNs being the same legal parcel – *Agreed, but no bearing on the SOI decision. Need to address system-wide information and CEQA review*
- b. SID recommendation to include in RNVWD sphere/district – *According to side, it was clarification that SID CANNOT serve due to place of use. After a private well, RNVWD would be a possible alternative.*
- c. 533 Connections not being impacted **Unknown. Cumulative effect on system is not determined. Legal lot is 132 acres.**
- d. Sphere inclusion is not annexation – *Agreed, but a necessary prerequisite that is subject to analysis*
- e. LAFCO SO-foot halo not supported by engineering – *The reasoning behind this factor is a reasonable inference based on the formation of the District. The District was formed by parcels that opted to be in the District, not drawn by geographic description and exterior boundary lines. Accordingly, the infrastructure was then designed to serve the original 533 parcels. At what point does the District need to extend the system to serve a parcel? How does that system extension impact the system as a whole? These issues would be addressed on an ongoing basis if a hydraulic model is instituted.*

8. Foulk Civil Engineering Study disproving the assumed "SO foot water line halo" (see attached)

We did not receive a “study”, we received an opinion letter. This issue will be moot upon a hydraulic model and fire flow-testing are accomplished .

STUDY AREA

Legend

-  Original CSD Boundary
-  Request Inclusion in CSD
-  Request Exclusion From CSD
-  Study Area

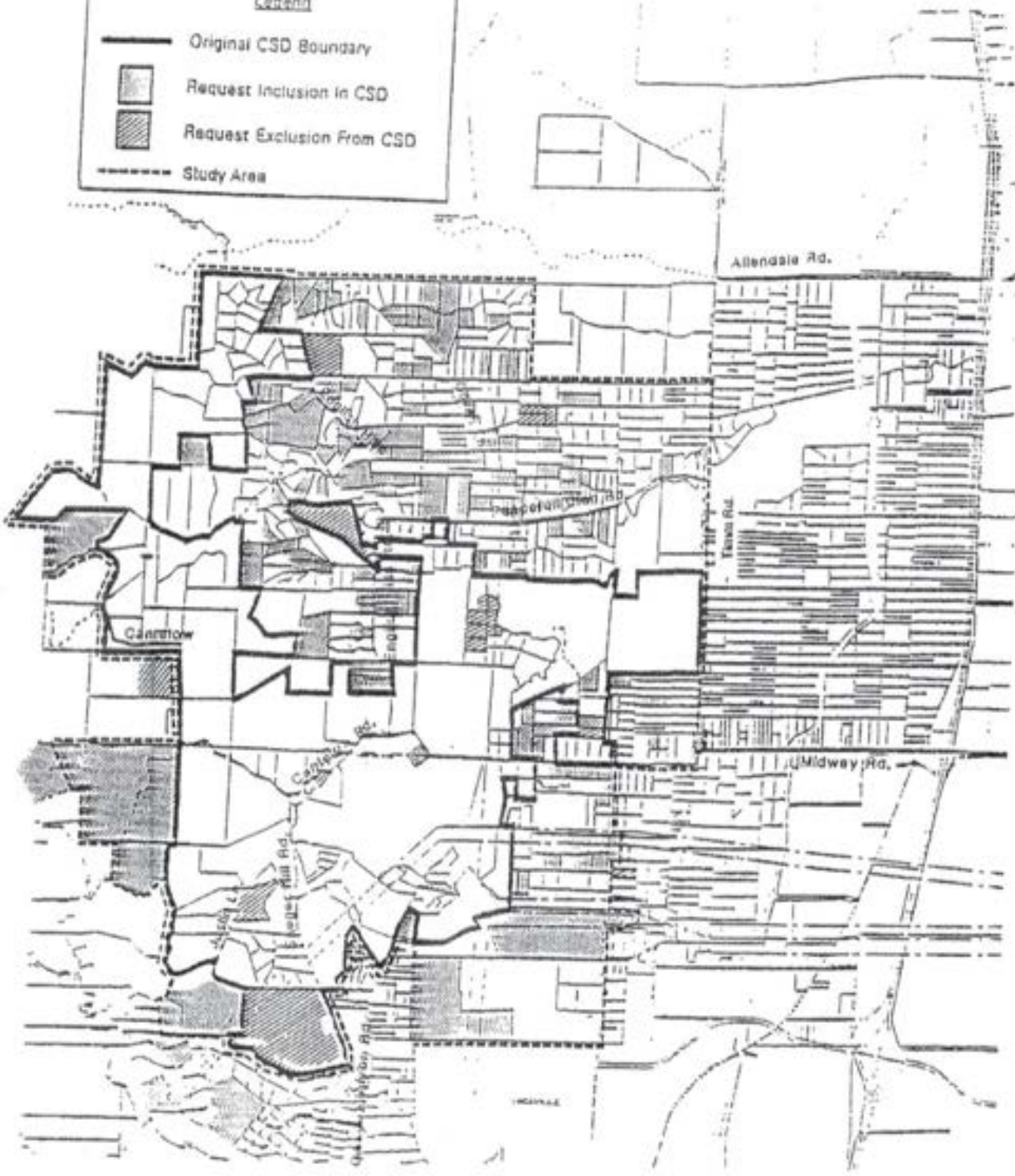


EXHIBIT A

SUBJECT: RURAL NORTH VACAVILLE WATER DISTRICT

DATE: October 2, 1995

SOLANO COUNTY LOCAL AGENCY FORMATION COMMISSION

SCALE: NTS

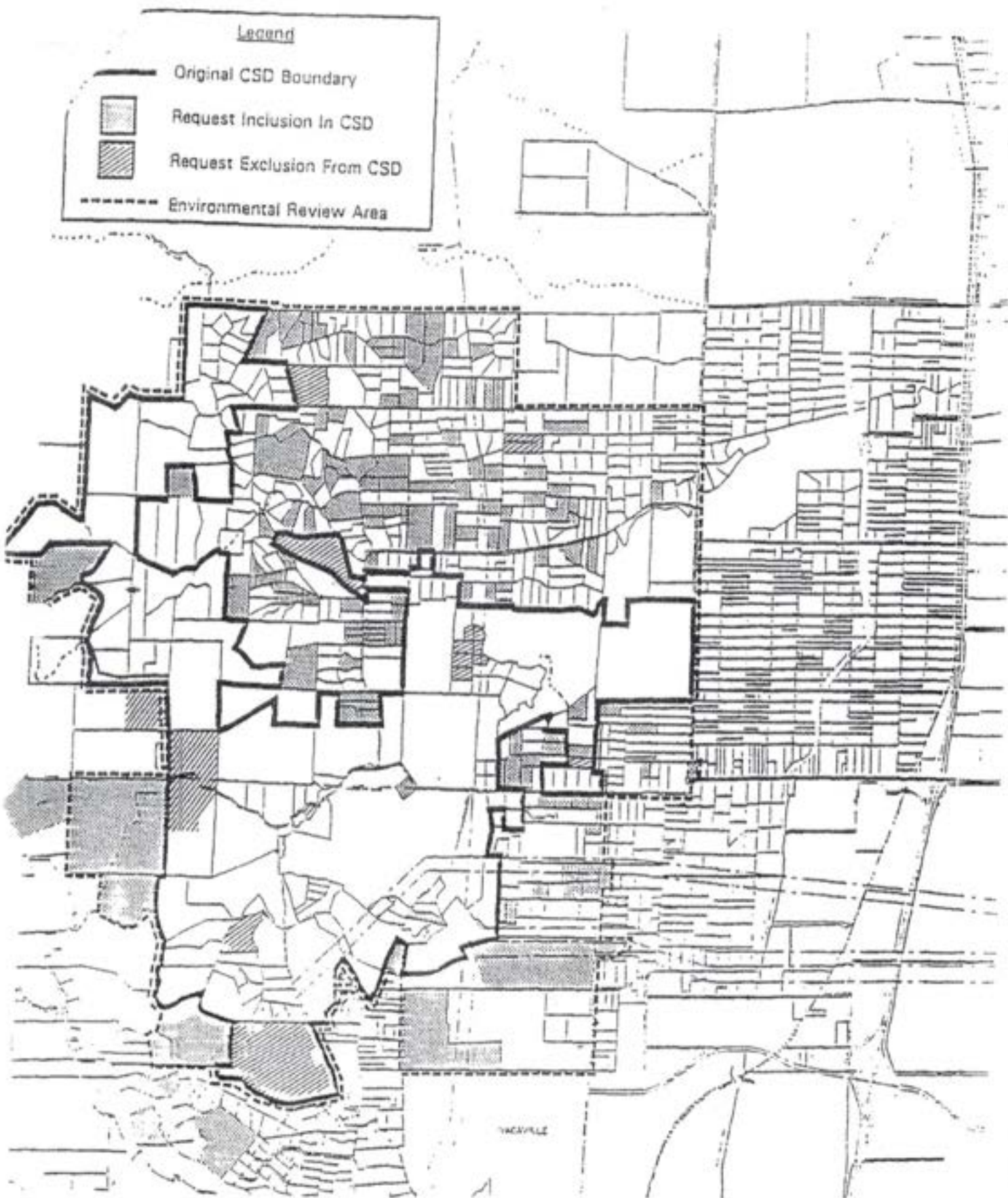


EXHIBIT "D"

To: RNVWD Board of Directors & Rich Seithel, LAFCO Executive Officer
 From: English Hills LLC (owner of APNs 0123-030-060, 0123-070-020)
 Date: 9/19/2023

**Key Points regarding APNs 0123-030-060, 0123-070-020
 inclusion into the RNVWD Sphere of Influence (SOI).**

#1) APNs 0123-030-060, 0123-070-020 are part of the same legal parcel.

- This legal parcel is surrounded by the RNVWD and Gibson Canyon Water District. (see attached map)

#2) SID recommends that RNVWD provide service to APNs 0123-030-060, 0123-070-020

- As per the written statement regarding water service to APNs 0123-030-060, 0123-070-020 from the SID Director of Engineering Paul Fuchslin on January 5, 2023:
 "The only logical option for water service to the remainder portion of the legal lot (parcel) is by RNVWD My understanding is the above solution would be satisfactory to LAFCO." (E-mail attached)

#3) 533 connections are not impacted by the sphere update. (see attached water right tracking log)

- LAFCO's June Staff Report on the RNVWD Sphere update states:
 "The RNVWD operates and manages a public water system with adequate capacity for the system designed 533 service connections."
- The RNVWD board approved Resolution No. 2023-68 requesting that LAFCO approve the updated district boundary and states: "Whereas, this updated SOI does not expand the number of connections in any way nor obligate the district to any infrastructure improvements." (Resolution attached)

#4) All parcels in the current sphere and in the potential updated sphere are not promised annexations.

- As stated in LAFCO's June Staff Report on the RNVWD Sphere update:
 "a sphere is only one of several factors the Commission considers when evaluating changes of organization. Being in the SOI does not guarantee annexation."

#5) The LAFCO Staff 50-foot water line halo criteria has no precedent and not supported by engineering analysis.

- In our opinion LAFCO has made an incorrect assumption based on their concerns regarding pressure and flow for properties that are within 50 feet of mainlines. This 50-foot halo criteria weighed heavily in their point system which impacted LAFCO staff's recommendations to the LAFCO board. Additionally, there are over 20 APNs in the existing sphere outside of the proposed LAFCO criteria of a 50' halo, most of these APNs being 500 feet or more from mainline system. (see attached map).
- We believe that the metric established by LAFCO to assign points to APNs is not correct and should not be used for decision making in determining the updated SOI.
- Reference the Brad Fouk Civil Engineering letter, under separate cover, that addresses the 50' foot halo concept.

9/18/23, 2:25 PM

RNVWD Mail - RE: 130 acres on Steiger, 3 apn's, 1 legal parcel

#2



Weston Stankowski <weston@rnvwd.com>

RE: 130 acres on Steiger, 3 apn's, 1 legal parcel

1 message

→ **Paul Fuchslin** <PFuchslin@sidwater.org>

Thu, Jan 5, 2023 at 1:27 PM

To: Gordon Stankowski <gm@rnvwd.com>, Nancy McWilliams <NMcWilliams@sidwater.org>

Cc: Weston Stankowski <weston@rnvwd.com>, Raymond Kinser <raymond.kinser@calcad.com>, George Hicks <hicks@coastlandcivil.com>, Patrick Sweeney <psweeney@rnvwd.com>

Gordon:

The SOI for RNVWD should not include the APN currently within the District boundary (123-030-07). We would also object to APN 123-030-07 (the 2.9 acre parcel) being annexed to RNVWD. It needs to remain within the SID boundary and service provided by SID. As we discussed earlier the only logical option for water service to the remainder portion of the legal lot (parcel) is by RNVWD as APN's 123-030-06 and 123-070-02 are located outside of the Solano Place of Use (the area Solano Project water is licensed to be utilized). So there is no way we can serve Solano Project water those two APN's. My understanding is the above solution would be satisfactory to LAFCO. Let me know if you have any questions.

Thanks

-Paul

#2

#3

RNVWD WATER RIGHT TRACKING LOG 6-9-23		
<u>Descriptions</u>		<u>Notes</u>
Total Base Water Rights	417	(1 Base per property/address) "Active Connections"
Total Supplemental Water rights	114	(any water right(s) in addition to an existing Base water right)
Total Base + Supplemental Water Rights	531	Verified with monthly billings
Total of water right sales being processed	2	These rights are not currently included in Base or Supplemental
Water Rights Owned by the District (for sale)	0	Current Available, see balance below
Total Water Rights	533	
Control Check Total	533	
Variance	0	
<u>District Water Rights Sales Processing (Not included in base or supplemental number)</u>		
RNVWD Res 2021-51 approved 4/13/21 English Hills LLC	1	Pending LAFCO annexation vote, add to Sphere
RNVWD Res 2021-50 approved 4/13/21 Ralph Perkins	1	Pending LAFCO annexation vote & lot split, add to Sphere
Total District Water Rights Processing	2	District Water Rights Potential Sales
Available Water Rights Owned by the District	0	Balance For Sale (AVAILABLE)
Total Water Rights	533	
<u>Water Connections/Rights Available</u>		<i>Supplemental Water Rights for Sale</i>
Mike Messer	10	APN 0105-110-630
Henry Robinson	1	APN 0105-020-650
Shelly Pecotte	1	APN 0105-200-470
Harry Schrontz	1	APN 0123-060-430
Total	13	Water Connections/Rights Available

#3

#3

RESOLUTION NO. 2023-68

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE RURAL NORTH VACAVILLE WATER DISTRICT REQUESTING LAFCO APPROVE THE UPDATED DISTRICT BOUNDRY AND SPHERE OF INFLUENCE.

WHEREAS, SoLano LAFCO updates the Municipal Service Review (MSR) and Sphere of Influence (SOI) every 5 years; and,

WHEREAS the MSR has been updated by LAFCO dated final April 25, 2022; and,

WHEREAS, the SOI update remains to be completed by LAFCO; and,

WHEREAS, LAFCO requires that the District provide a request to LAFCO for an updated Boundary and updated SOI; and,

WHEREAS, there have been many revisions to the SOI since the formation of the District; and,

WHEREAS, the District wants to clear up the discrepancies in the data relating to properties in the Sphere; and,

WHEREAS, the District has employed the services of a land mapping company, CalCad to have the most current information regarding assessor parcel numbers and,

WHEREAS, The District and it's consultant CalCad have fully evaluated all the current data and reports from LAFCO regarding status of in the current sphere; and,

WHEREAS, District Resolutions 2021-50 and 2021-51 have District approved annexation requests pending LAFCO updated SOI; and,

WHEREAS, this updated SOI does not expand the number connections in any way nor obligate the District to any infrastructure improvements and it is the interest of the District to provide the requested information to LAFCO;

NOW, THEREFORE, BE IT RESOLVED, by the Board of Directors of the Rural North Vacaville Water District as follows:

1. The recitals set forth above are true and correct.
2. This Board finds the updated Boundary and SOI is a reasonable request as presented in Exhibit A Proposed Boundary, Exhibit B current LAFCO parcel designations, Exhibit C list of APNs to add to the sphere.
3. This Resolution shall take effect immediately upon its adoption.

#3

DocuSign Envelope ID: CD23644C-0C78-4947-84C9-AC3D234AA38B

PASSED AND ADOPTED by the Board of Directors of the Rural North Valley Water District, this 11th day of April 2023, by the following vote:

AYES: Patrick Sweeney, Ross Swanson, Steve Strickland
NOES: Elizabeth Miller
ABSENT: Bob Whitehead
ABSTAIN:

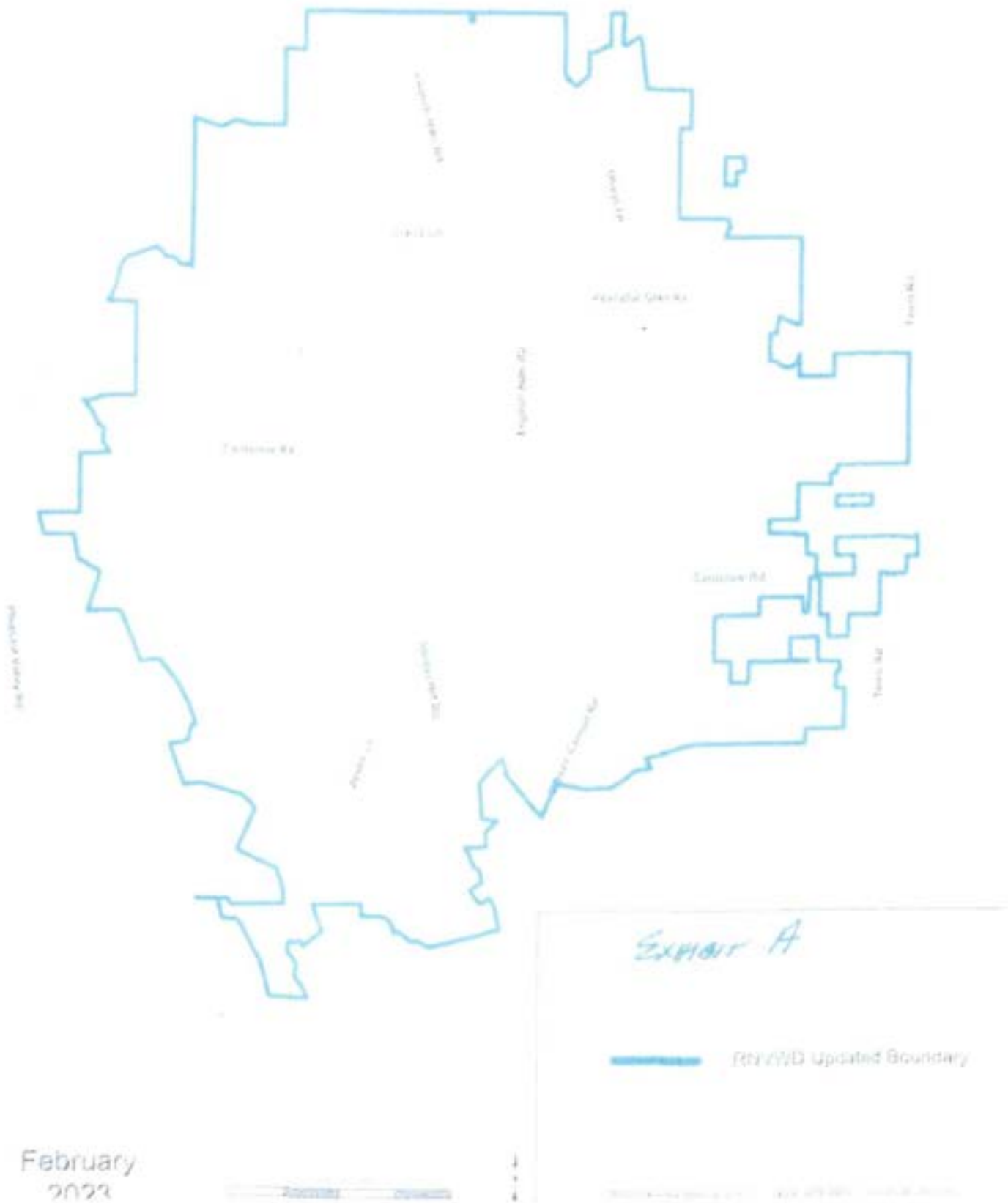
Patrick J. Sweeney
Pat Sweeney President
RNVWD Board of Directors

ALLS:

Vince Veersamp
Vince Veersamp
RNVWD Board Clerk



Rural North Vacaville Water District





Rural North Vacaville Water District

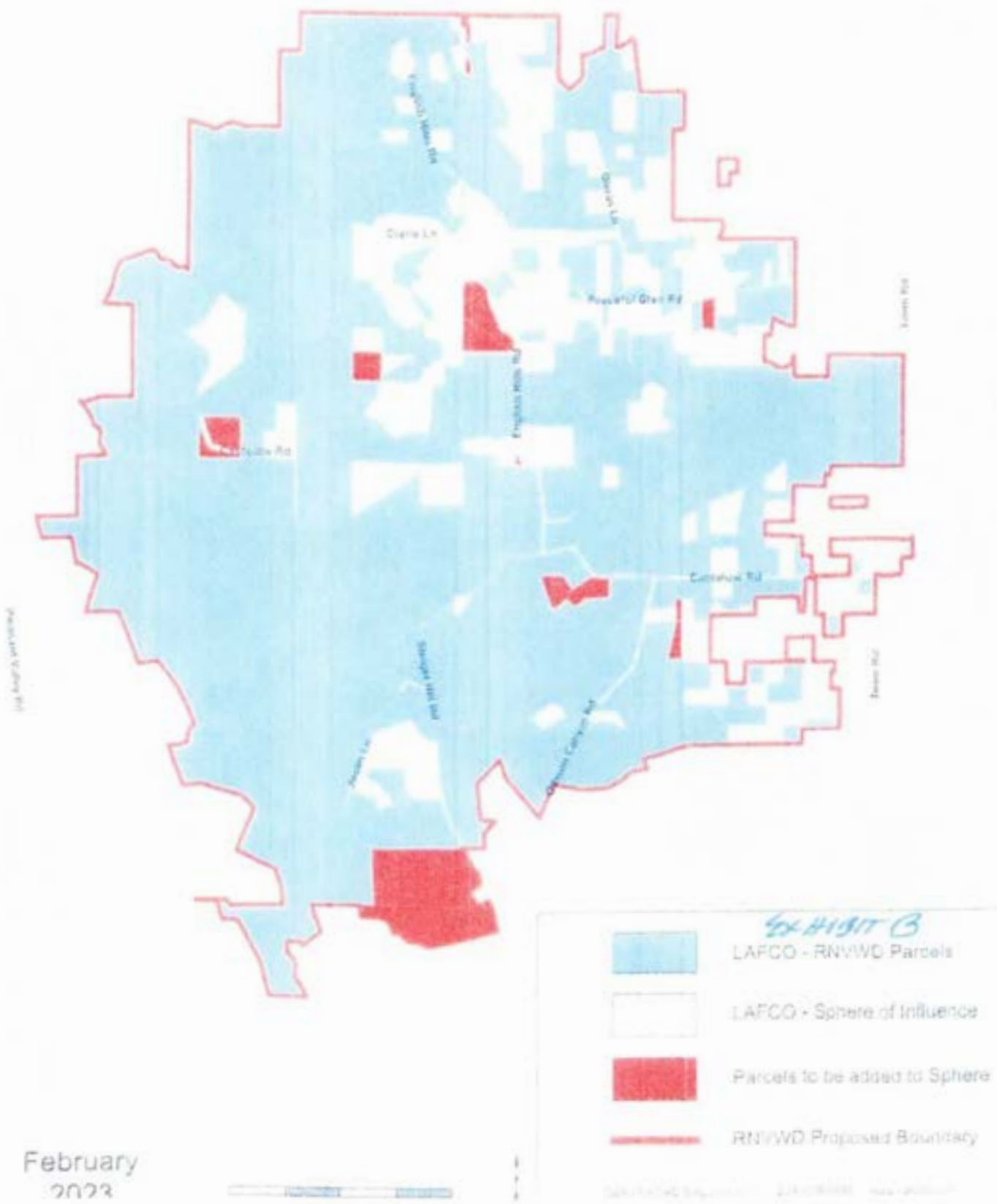
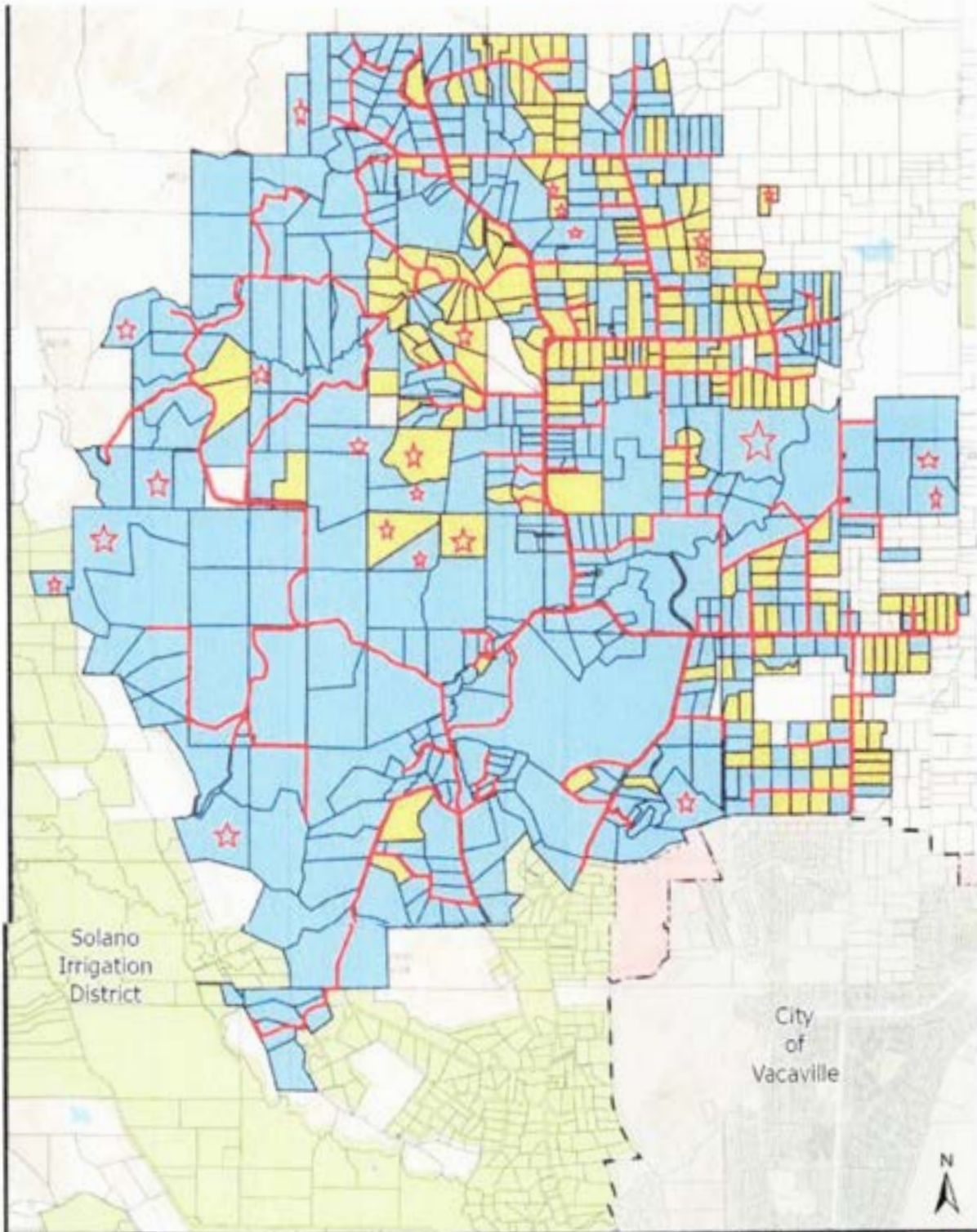


EXHIBIT C

EXHIBIT C

NO.	ADDRESS	APNs	2018 Signature map designations	Legal Description	*Treasurer's marking for the legal property	DEED RECORDED IN JURISDICTION	COUNTY
1	017	0170200120	AGRICULTURAL	LEGAL PROPERTY IN AND TO THE DISTRICT OF THE COUNTY OF SAN DIEGO	AGRICULTURAL	AGRICULTURAL	LEGAL PROPERTY IN AND TO THE DISTRICT OF THE COUNTY OF SAN DIEGO
2	177	0170300060	AGRICULTURAL	LEGAL PROPERTY IN AND TO THE DISTRICT OF THE COUNTY OF SAN DIEGO	AGRICULTURAL	AGRICULTURAL	LEGAL PROPERTY IN AND TO THE DISTRICT OF THE COUNTY OF SAN DIEGO
3	182	0170300020	AGRICULTURAL	LEGAL PROPERTY IN AND TO THE DISTRICT OF THE COUNTY OF SAN DIEGO	AGRICULTURAL	AGRICULTURAL	LEGAL PROPERTY IN AND TO THE DISTRICT OF THE COUNTY OF SAN DIEGO
4	182B	0170220000	AGRICULTURAL	LEGAL PROPERTY IN AND TO THE DISTRICT OF THE COUNTY OF SAN DIEGO	AGRICULTURAL	AGRICULTURAL	LEGAL PROPERTY IN AND TO THE DISTRICT OF THE COUNTY OF SAN DIEGO
5	183	0170300010	AGRICULTURAL	LEGAL PROPERTY IN AND TO THE DISTRICT OF THE COUNTY OF SAN DIEGO	AGRICULTURAL	AGRICULTURAL	LEGAL PROPERTY IN AND TO THE DISTRICT OF THE COUNTY OF SAN DIEGO
6	184	0170300050	AGRICULTURAL	LEGAL PROPERTY IN AND TO THE DISTRICT OF THE COUNTY OF SAN DIEGO	AGRICULTURAL	AGRICULTURAL	LEGAL PROPERTY IN AND TO THE DISTRICT OF THE COUNTY OF SAN DIEGO
7	185	0170300040	AGRICULTURAL	LEGAL PROPERTY IN AND TO THE DISTRICT OF THE COUNTY OF SAN DIEGO	AGRICULTURAL	AGRICULTURAL	LEGAL PROPERTY IN AND TO THE DISTRICT OF THE COUNTY OF SAN DIEGO
8	186	0170300030	AGRICULTURAL	LEGAL PROPERTY IN AND TO THE DISTRICT OF THE COUNTY OF SAN DIEGO	AGRICULTURAL	AGRICULTURAL	LEGAL PROPERTY IN AND TO THE DISTRICT OF THE COUNTY OF SAN DIEGO
9	187	0170300070	AGRICULTURAL	LEGAL PROPERTY IN AND TO THE DISTRICT OF THE COUNTY OF SAN DIEGO	AGRICULTURAL	AGRICULTURAL	LEGAL PROPERTY IN AND TO THE DISTRICT OF THE COUNTY OF SAN DIEGO
10	188	0170300080	AGRICULTURAL	LEGAL PROPERTY IN AND TO THE DISTRICT OF THE COUNTY OF SAN DIEGO	AGRICULTURAL	AGRICULTURAL	LEGAL PROPERTY IN AND TO THE DISTRICT OF THE COUNTY OF SAN DIEGO
11	189	0170300090	AGRICULTURAL	LEGAL PROPERTY IN AND TO THE DISTRICT OF THE COUNTY OF SAN DIEGO	AGRICULTURAL	AGRICULTURAL	LEGAL PROPERTY IN AND TO THE DISTRICT OF THE COUNTY OF SAN DIEGO
12	190	0170300100	AGRICULTURAL	LEGAL PROPERTY IN AND TO THE DISTRICT OF THE COUNTY OF SAN DIEGO	AGRICULTURAL	AGRICULTURAL	LEGAL PROPERTY IN AND TO THE DISTRICT OF THE COUNTY OF SAN DIEGO
13	191	0170300110	AGRICULTURAL	LEGAL PROPERTY IN AND TO THE DISTRICT OF THE COUNTY OF SAN DIEGO	AGRICULTURAL	AGRICULTURAL	LEGAL PROPERTY IN AND TO THE DISTRICT OF THE COUNTY OF SAN DIEGO
14	192	0170300120	AGRICULTURAL	LEGAL PROPERTY IN AND TO THE DISTRICT OF THE COUNTY OF SAN DIEGO	AGRICULTURAL	AGRICULTURAL	LEGAL PROPERTY IN AND TO THE DISTRICT OF THE COUNTY OF SAN DIEGO
15	193	0170300130	AGRICULTURAL	LEGAL PROPERTY IN AND TO THE DISTRICT OF THE COUNTY OF SAN DIEGO	AGRICULTURAL	AGRICULTURAL	LEGAL PROPERTY IN AND TO THE DISTRICT OF THE COUNTY OF SAN DIEGO
16	194	0170300140	AGRICULTURAL	LEGAL PROPERTY IN AND TO THE DISTRICT OF THE COUNTY OF SAN DIEGO	AGRICULTURAL	AGRICULTURAL	LEGAL PROPERTY IN AND TO THE DISTRICT OF THE COUNTY OF SAN DIEGO
17	195	0170300150	AGRICULTURAL	LEGAL PROPERTY IN AND TO THE DISTRICT OF THE COUNTY OF SAN DIEGO	AGRICULTURAL	AGRICULTURAL	LEGAL PROPERTY IN AND TO THE DISTRICT OF THE COUNTY OF SAN DIEGO
18	196	0170300160	AGRICULTURAL	LEGAL PROPERTY IN AND TO THE DISTRICT OF THE COUNTY OF SAN DIEGO	AGRICULTURAL	AGRICULTURAL	LEGAL PROPERTY IN AND TO THE DISTRICT OF THE COUNTY OF SAN DIEGO
19	197	0170300170	AGRICULTURAL	LEGAL PROPERTY IN AND TO THE DISTRICT OF THE COUNTY OF SAN DIEGO	AGRICULTURAL	AGRICULTURAL	LEGAL PROPERTY IN AND TO THE DISTRICT OF THE COUNTY OF SAN DIEGO
20	198	0170300180	AGRICULTURAL	LEGAL PROPERTY IN AND TO THE DISTRICT OF THE COUNTY OF SAN DIEGO	AGRICULTURAL	AGRICULTURAL	LEGAL PROPERTY IN AND TO THE DISTRICT OF THE COUNTY OF SAN DIEGO
21	199	0170300190	AGRICULTURAL	LEGAL PROPERTY IN AND TO THE DISTRICT OF THE COUNTY OF SAN DIEGO	AGRICULTURAL	AGRICULTURAL	LEGAL PROPERTY IN AND TO THE DISTRICT OF THE COUNTY OF SAN DIEGO
22	200	0170300200	AGRICULTURAL	LEGAL PROPERTY IN AND TO THE DISTRICT OF THE COUNTY OF SAN DIEGO	AGRICULTURAL	AGRICULTURAL	LEGAL PROPERTY IN AND TO THE DISTRICT OF THE COUNTY OF SAN DIEGO

#5



Rural North Vacaville Water District
Current Boundary, SOI, and Water Lines



Disclaimer: The information shown is intended to be used for general display purposes only, and is not to be used as an official map.



RNVWD Parcels

- In District
- In SOI
- Water Lines
- SOI Boundary
- Vacaville Boundary
- Vacaville SOI

★ STAR INDICATES PARCELS OUTSIDE OF 50' TO MAIN.

#5

FOULK CIVIL ENGINEERING, INC.
CIVIL ENGINEERING - LAND SURVEYING
 4777 Mangels Boulevard
 Fairfield, CA 94534
 (707) 864-0784

Solano Local Agency Formation Commission
 675 West Texas St., Ste 6700
 Fairfield, CA 94533

September 19, 2023
 Job #23-028

Attn: Rich Seithel, Executive Officer

RE: Rural North Vacaville Water District Sphere of Influence Hearing
 English Hills, LLC property at 6927 Steiger Hill Rd (APN's 123-030-060 & 123-070-020)

Section V on page 6 of the June 12, 2023 Solano Local Agency Formation Commission staff report lays out the "Parcel Identification and Analysis Methodology" to be used in the determination of parcels to be added to the sphere of influence of the Rural North Vacaville Water District (RNVWD). The second bullet item outlines a "50 foot water line halo" to restrict parcels not being within 50 feet of existing district water lines from being included in the sphere of influence. The "50 foot water line halo" should not be a consideration as to which parcels should be in the sphere of influence for the following reasons:

- Water service lines and main line extensions are commonly made associated with the development of a home on a lot or subdivisions. Water main line extensions have occurred within RNVWD in the past along English Creek Lane (625'), Olive Hill Road (1,000'), Linda Vista Lane (1500') and west from Sierra Vista Drive (675') to mention a few.
- There are many existing parcels that do not meet the "50 foot water line halo" criteria and are still provided a water service by the district. The district provides services to these parcels with meters adjacent to district infrastructure with private water lines to residences via private access and utilities easements. As such, these private water lines are often much longer than 50 feet.

The English Hills, LLC property on Steiger Hill Road should be included in the RNVWD sphere of influence as:

- It abuts the RNVWD district boundary on 2 sides and the Solano Irrigation District/Gibson Canyon Water System Boundary on the remaining sides.
- The property cannot be annexed into the Solano Irrigation District/Gibson Canyon Water System as stated by Solano Irrigation district.
- Its boundary is within 475 feet of a zone 3 district water main. This water main is looped providing improved flow rate capacity and redundancy from mains in both in Steiger Hill Road and Joslin Lane.
- Zone 3, 710' elevation grade line, is capable of providing pressures and fire flows complying with current standards to the English Hills, LLC property, allowing for improved fire protection in a high fire danger area.

The subject property was approved by the RNVWD (Board Resolution 2023-68) to be added to the sphere of influence. The RNVWD water system has sufficient excess capacity for the inclusion of the subject property into the district.

It is our opinion that the "50 foot water line halo" is not an appropriate tool for determining Rural North Vacaville Water District Boundaries. As such, it is our recommendation that the English Hills, LLC property at 6927 Steiger Hill Road be included within the District's Sphere of Influence.

Very truly yours,

Brad Foulk, PE, PLS



ATTACHMENT J

To: RNVWD Board of Directors & Rich Seithel, LAFCO Executive Officer
 From: English Hills LLC (owner of APNs 0123-030-060, 0123-070-020)
 Date: 9/19/2023

**Key Points regarding APNs 0123-030-060, 0123-070-020
 inclusion into the RNVWD Sphere of Influence (SOI).**

#1) APNs 0123-030-060, 0123-070-020 are part of the same legal parcel.

- This legal parcel is surrounded by the RNVWD and Gibson Canyon Water District. (see attached map)
- *May be a logical extension but without infrastructure studies and CEQA analysis the cumulative impact is unknown. Furthermore, LAFCO Island provision does not apply to special districts.*

#2) SID recommends that RNVWD provide service to APNs 0123-030-060, 0123-070-020

- As per the written statement regarding water service to APNs 0123-030-060, 0123-070-020 from the SID Director of Engineering Paul Fuchslin on January 5, 2023:
 "The only logical option for water service to the remainder portion of the legal lot (parcel) is by RNVWD My understanding is the above solution would be satisfactory to LAFCO." (E-mail attached)
Not true. SID can't serve due to place of use issues, Private well and RNVWD may be alternatives.

#3) 533 connections are not impacted by the sphere update. (see attached water right tracking log)

- LAFCO's June Staff Report on the RNVWD Sphere update states:
 "The RNVWD operates and manages a public water system with adequate capacity for the system designed 533 service connections."
- The RNVWD board approved Resolution No. 2023-68 requesting that LAFCO approve the updated district boundary and states: "Whereas, this updated SOI does not expand the number of connections in any way nor obligate the district to any infrastructure improvements." (Resolution attached)
Noted.

#4) All parcels in the current sphere and in the potential updated sphere are not promised annexations.

- As stated in LAFCO's June Staff Report on the RNVWD Sphere update:
 "a sphere is only one of several factors the Commission considers when evaluating changes of organization. Being in the SOI does not guarantee annexation."
Agreed

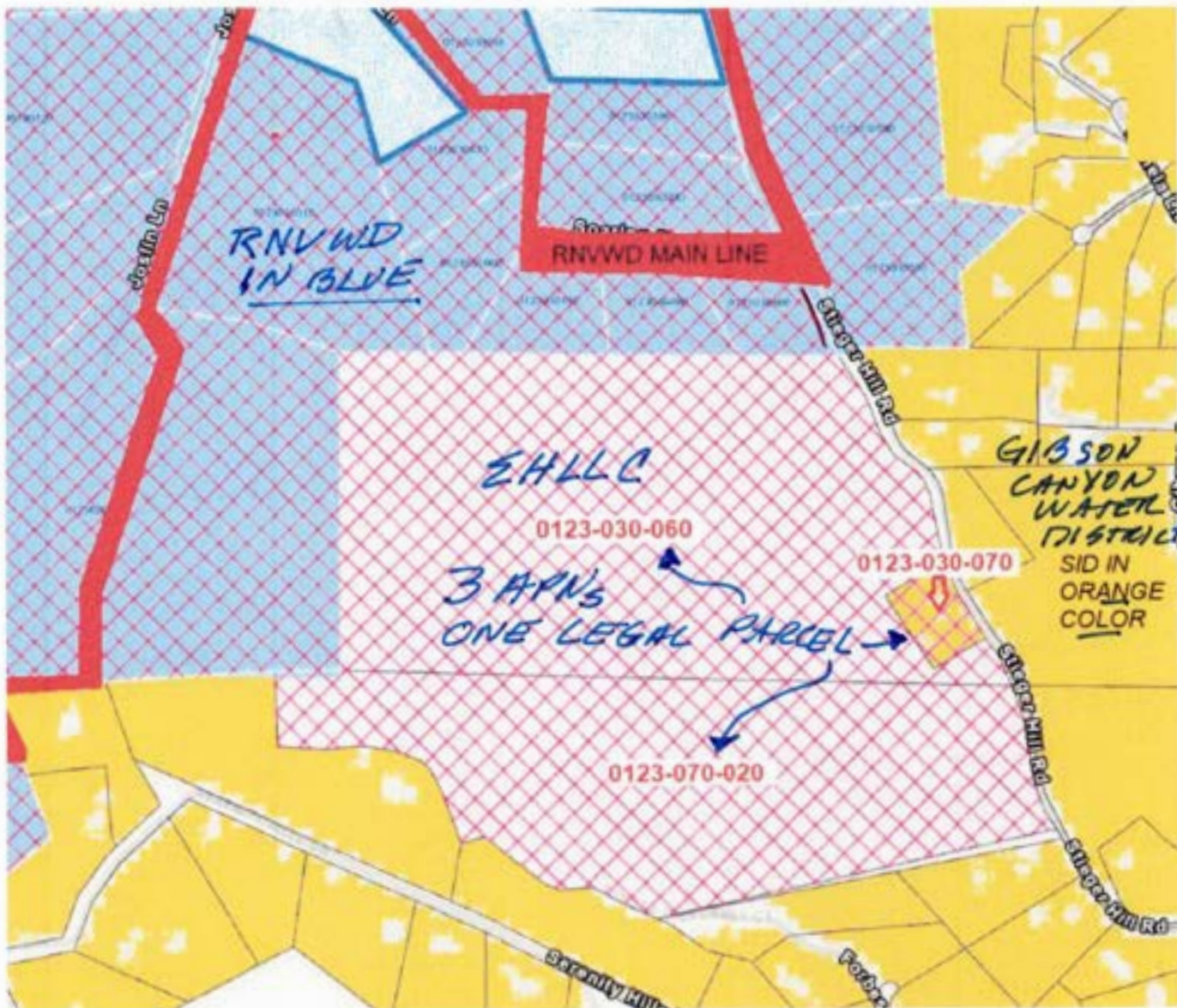
#5) The LAFCO Staff 50-foot water line halo criteria has no precedent and not supported by engineering analysis.

- In our opinion LAFCO has made an incorrect assumption based on their concerns regarding pressure and flow for properties that are within 50 feet of mainlines. This 50-foot halo criteria weighed heavily in their point system which impacted LAFCO staff's recommendations to the LAFCO board. Additionally, there are over 20 APNs in the existing sphere outside of the proposed LAFCO criteria of a 50' halo, most of these APNs being 500 feet or more from mainline system. (see attached map).

- We believe that the metric established by LAFCO to assign points to APNs is not correct and should not be used for decision making in determining the updated SOI.
- Reference the Brad Foulk Civil Engineering letter, under separate cover, that addresses the 50' foot halo concept.

[See responses in Attachment I.](#)

#1



#1

#2



Weston Stankowski <weston@rnvwd.com>

RE: 130 acres on steiger, 3 apn's, 1 legal parcel

1 message

→ **Paul Fuchslin** <PFuchslin@sidwater.org>

Thu, Jan 5, 2023 at 1:27 PM

To: Gordon Stankowski <gm@rnvwd.com>, Nancy McWilliams <NMcWilliams@sidwater.org>

Cc: Weston Stankowski <weston@rnvwd.com>, Raymond Kinser <raymond.kinser@calcad.com>, George Hicks <hicks@coastlandcivil.com>, Patrick Sweeney <pjsweeney@rnvwd.com>

Gordon:


The SOI for RNVWD should not include the APN currently within the District boundary (123-030-07). We would also object to APN 123-030-07 (the 2.9 acre parcel) being annexed to RNVWD. It needs to remain within the SID boundary and service provided by SID. As we discussed earlier the only logical option for water service to the remainder portion of the legal lot (parcel) is by RNVWD as APN's 123-030-06 and 123-070-02 are located outside of the Solano Place of Use (the area Solano Project water is licensed to be utilized). So there is no way we can serve Solano Project water those two APN's. My understanding is the above solution would be satisfactory to LAFCO. Let me know if you have any questions.

Thanks,

-Paul

#2

#3

RNVWD WATER RIGHT TRACKING LOG 6-9-23		
<u>Descriptions</u>		<u>Notes</u>
Total Base Water Rights	417	(1 Base per property/address) "Active Connections"
Total Supplemental Water rights	114	(any water right(s) in addition to an existing Base water right)
Total Base + Supplemental Water Rights	531	Verified with monthly billings
Total of water right sales being processed	2	These rights are not currently included in Base or Supplemental
Water Rights Owned by the District (for sale)	0	Current Available, see balance below
Total Water Rights	533	
Control Check Total	533	
Variance	0	
<u>District Water Rights Sales Processing (Not included in base or supplemental number)</u> 		
RNVWD Res 2021-51 approved 4/13/21 English Hills LLC	1	Pending LAFCO annexation vote, add to Sphere
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Total District Water Rights Processing	2	District Water Rights Potential Sales
Available Water Rights Owned by the District	0	Balance For Sale (AVAILABLE)
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<u>Water Connections/Rights Available</u>		
		<i>Supplemental Water Rights for Sale</i>
Mike Messer	10	APN 0105-110-630
Henry Robinson	1	APN 0105-020-650
Shelly Pecotte	1	APN 0105-200-470
Harry Schrontz	1	APN 0123-060-430
Total	13	Water Connections/Rights Available

#3

#3

RESOLUTION NO. 2023-68

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE RURAL NORTH VACAVILLE WATER DISTRICT REQUESTING LAFCO APPROVE THE UPDATED DISTRICT BOUNDRY AND SPHERE OF INFLUENCE.

WHEREAS, Solano LAFCO updates the Municipal Service Review (MSR) and Sphere of Influence (SOI) every 5 years; and,

WHEREAS the MSR has been updated by LAFCO dated final April 22, 2022; and,

WHEREAS, the SOI update remains to be completed by LAFCO; and,

WHEREAS, LAFCO requires that the District provide a request to LAFCO for an updated Boundary and updated SOI ; and,

WHEREAS, there have been many revisions to the SOI since the Formation of the District ; and,

WHEREAS, the District wants to clear up the discrepancies in the data relating to properties in the Sphere and,

WHEREAS; the District has employed the services of a land mapping company, CalCad to have the most current information regarding assessor parcel numbers and,

WHEREAS ; The District and it's consultant CalCad have fully evaluated all the current study and reports from LAFCO regarding status of in the current sphere; and,

WHEREAS, District Resolutions 2021-50 and 2021-51 have District approved annexation requests pending LAFCO updated SOI; and

WHEREAS, this updated SOI does not expand the number connections in any way nor obligate the District to any infrastructure improvements and it is the interest of the District to provide the requested information to LAFCO;

NOW, THEREFORE, BE IT RESOLVED, by the Board of Directors of the Rural North Vacaville Water District as follows:

1. The recitals set forth above are true and correct.
2. This Board finds the updated Boundary and SOI is a reasonable request as presented in Exhibit A Proposed Boundary, Exhibit B current LAFCO parcel designations, Exhibit C list of APNs to add to the sphere.
3. This Resolution shall take effect immediately upon its adoption.

#3

PASSED AND ADOPTED by the Board of Directors of the Rural North Vacuville Water District, this 11th day of April 2023, by the following vote

AYES: Patrick Sweeney, Ken Swenson, Steve Stickland
NOES: Elizabeth Miles
ABSENT: Bob Whitehouse
ABSTAIN:

DocuSigned by:
Patrick J. Sweeney
(99.44.22.10.11)
Pat Sweeney President
RNVWD Board of Directors

ATTEST:

Nancy Veerkamp
Nancy Veerkamp
RNVWD Board Clerk



Rural North Vacaville Water District

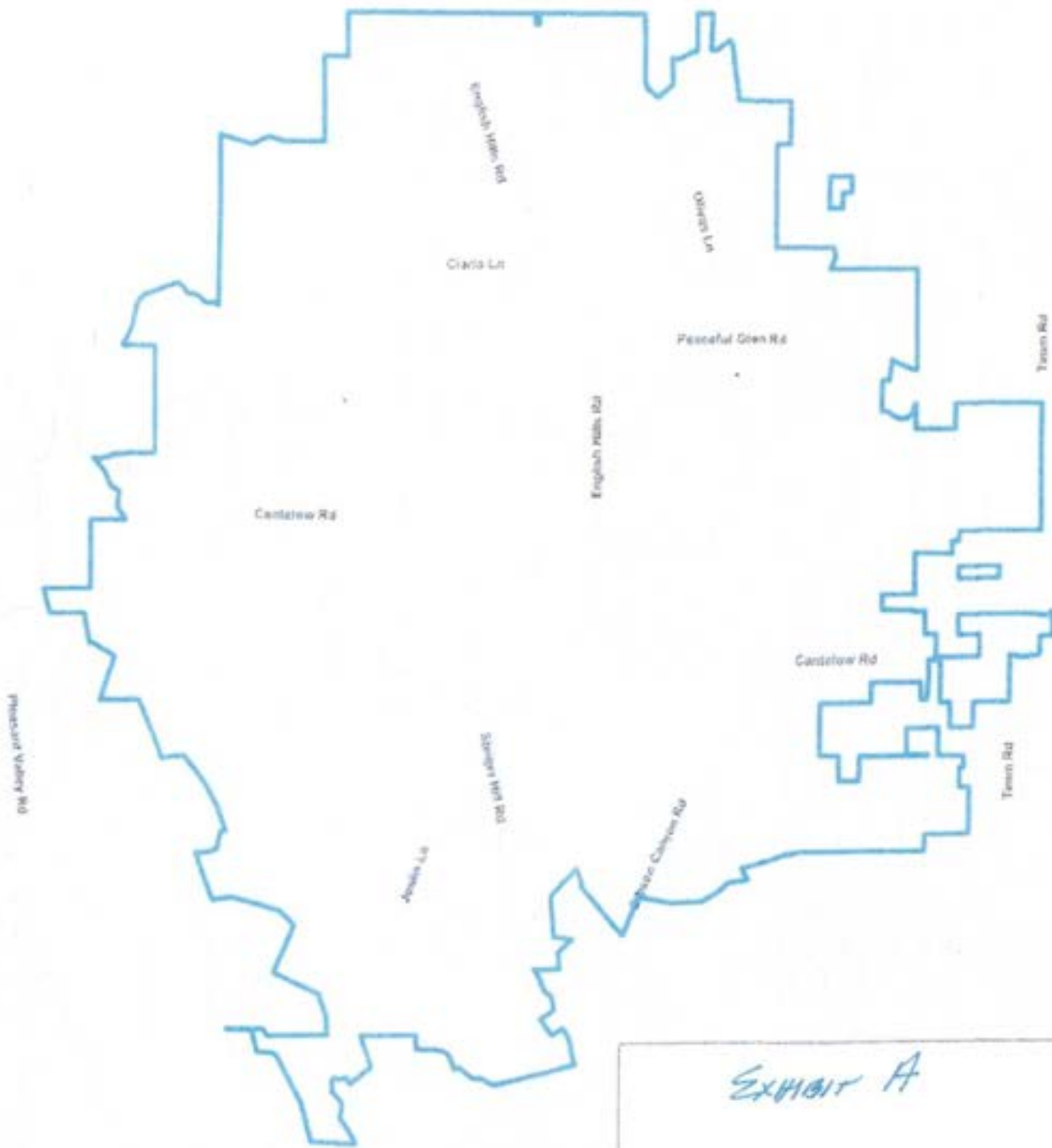



EXHIBIT A

 RNVWD Updated Boundary

California CAD Solutions, Inc. (409) 473-3623 www.calcs.com

February 2023





Rural North Vacaville Water District

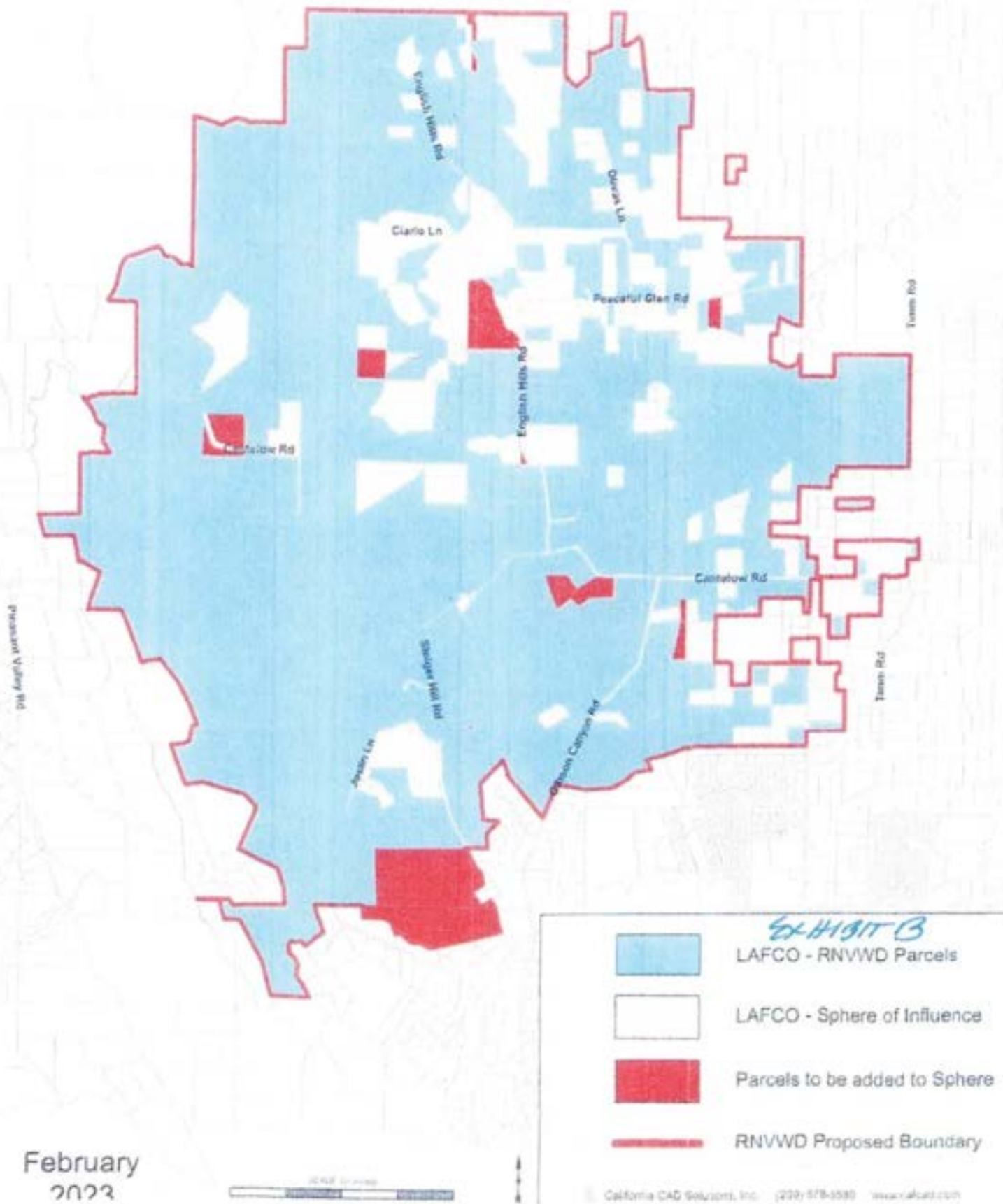
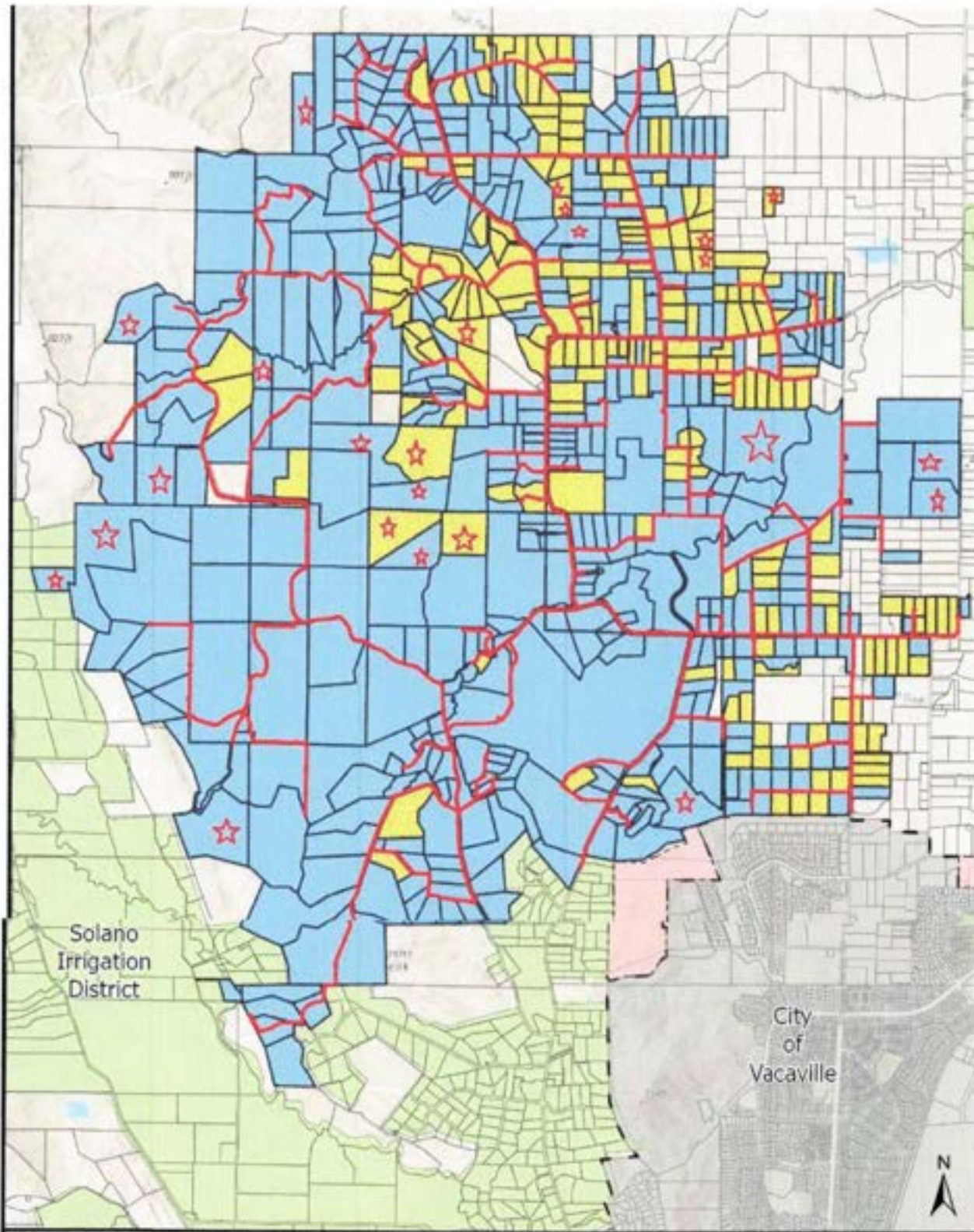


EXHIBIT C

EXHIBIT C

#	ACRES	APR	2016 sphere map designation	Legal Description	Total APNs making up the legal property	2023 RECOMMENDED DESIGNATION	COLOR KEY
1	0.17	0105200180	NO DESIGNATION	LEGAL WITH APN/RES BOUNDARY SOLUTION 2021.50 PERMITS	SEE RESO	Add to Sphere	LEGAL PROPERTY IS NOT IN THE DISTRICT OR IN THE SPHERE IN 2016 MAP
2	77.77	0123000660	NO DESIGNATION	ADVANCED SOLUTION 2021.51 ENCLOSURES/ETC	SEE RESO	Add to Sphere	LEGAL PROPERTY IS NOT IN THE DISTRICT OR IN THE SPHERE IN 2016 MAP
3	54.29	0123000020	NO DESIGNATION	BOUNDARY SOLUTION 2021.51 ENCLOSURES/ETC	SEE RESO	Add to Sphere	LEGAL PROPERTY IS NOT IN THE DISTRICT OR IN THE SPHERE IN 2016 MAP
4	18.16	0102200070	IN DISTRICT	WANT TO "NO IN SIGNATION WITH A WATER RIGHT ON BOUNDARY LARCO LUMB MAP FROM 2022	1	CONFORM TO 2016 MAP	LEGAL PROPERTY CURRENTLY "IN THE DISTRICT" IN 2016 MAP
5	1.10	0104150150	NO DESIGNATION	LEGAL W/209 150 360 already in sphere 2016 "New"	2	Add to Sphere	LEGAL PROPERTY IN CURRENT SPHERE/FIRE IN 2016 MAP
6	1.54	0104150450	NO DESIGNATION	LEGAL W/209 150 440 already in sphere 2016 "New"	2	Add to Sphere	LEGAL PROPERTY IN CURRENT SPHERE/FIRE IN 2016 MAP
7	18.82	0105050410	NO DESIGNATION	X	1	Add to Sphere	LEGAL PROPERTY IS NOT IN THE DISTRICT OR IN THE SPHERE IN 2016 MAP
8	13.52	0105050420	NO DESIGNATION	LEGAL W/ 105 040 690 already in sphere 2016 "New"	2	Add to Sphere	LEGAL PROPERTY IN CURRENT SPHERE/FIRE IN 2016 MAP
9	0.34	0105050950	NO DESIGNATION	X	1	Add to Sphere	LEGAL PROPERTY IS NOT IN THE DISTRICT OR IN THE SPHERE IN 2016 MAP
10	5.01	0105060460	IN SPHERE/FIRE	LEGAL W/ "NO DESIGNATION" ON BOUNDARY LARCO LUMB MAP FROM 2022	1	CONFORM TO 2016 MAP	LEGAL PROPERTY IN CURRENT SPHERE/FIRE IN 2016 MAP
11	0.16	0105070110	NO DESIGNATION	LEGAL W/ 105 020 520 already in sphere 2016 "New"	2	Add to Sphere	LEGAL PROPERTY IN CURRENT SPHERE/FIRE IN 2016 MAP
12	11.40	0105070170	NO DESIGNATION	UNBLOCKED ACCESS RECORD ON OR	1	Add to Sphere	LEGAL PROPERTY IS NOT IN THE DISTRICT OR IN THE SPHERE IN 2016 MAP
13	8.40	0105110720	IN DISTRICT	MORGAN PHASE 1 "NEW PARCEL"	1	UPDATE RECORDS	LEGAL PROPERTY CURRENTLY "IN THE DISTRICT" IN 2016 MAP
14	5.91	0105170050	NO DESIGNATION	LEGAL W/ 075 180 780 THEN 210 7216 DESIGNATION WAS "IN SPHERE" in file	2	Add to Sphere	LEGAL PROPERTY IN CURRENT SPHERE/FIRE IN 2016 MAP
15	1.04	0105170100	NO DESIGNATION	LEGAL W/ 105 180 770 THE 2016 DESIGNATION WAS "IN SPHERE" in file		Add to Sphere	LEGAL PROPERTY IN CURRENT SPHERE/FIRE IN 2016 MAP
16	9.73	0105170250	IN DISTRICT	MORGAN PHASE 1 "NEW PARCEL"	1	UPDATE RECORDS	LEGAL PROPERTY CURRENTLY "IN THE DISTRICT" IN 2016 MAP
17	0.58	0105270120	NO DESIGNATION	LEGAL W/ 075 270 121.50. 501 ADDITIONAL BOUNDARY BELOW part of file	3	Add to Sphere	LEGAL PROPERTY IN CURRENT SPHERE/FIRE IN 2016 MAP
18	0.08	0105270130	NO DESIGNATION	LEGAL W/ 075 270 120 124.24 area already in sphere 2016 "New" AND LEGAL WITH 0105 270 120 in 2016 listed as "in designation" Part of #17 above	1	Add to Sphere	LEGAL PROPERTY IN CURRENT SPHERE/FIRE IN 2016 MAP

#5



Rural North Vacaville Water District
Current Boundary, SOI, and Water Lines

RNVWD Parcels

- In District
- In SOI
- Water Lines
- SID Boundary
- Vacaville Boundary
- Vacaville SOI
- Water Report Page 23 of 23

★ STAR INDICATES PARCELS OUTSIDE OF 50' TO MAIN.

Disclaimer: The information shown is intended to be used for general display purposes only, and is not to be used as an official map.



#5