

EXHIBIT 8

Antelope Valley Watermaster Board
Meeting Agenda
Wednesday, April 24, 2019 – 10:00 a.m.
Location: Antelope Valley – East Kern Water Agency
6450 West Avenue N, Palmdale, CA 93551

Website: <https://zoom.us/j/6670679173> Teleconference: (929) 436-2866 Access Code: 667 067 9173

1) Call to Order and Pledge of Allegiance

2) Roll Call

BOARD OF DIRECTORS

Robert Parris, AVEK - Chairperson

Dennis Atkinson, Landowners – Vice-Chairperson

Adam Ariki, Los Angeles County Waterworks District 40

John Calandri, Landowners

Leo Thibault, Public Water Suppliers

Phyllis Stanin, Todd Groundwater - Watermaster Engineer

Craig Parton, Price Postel & Parma LLP - General Counsel

Posted: April 19, 2019

By: Patricia Rose

Patricia Rose

Secretary

3) Adoption of Agenda *(Note: At the discretion of the board, all items appearing on this agenda, whether or not expressly listed for action, may be deliberated and may be subject to action by the Board.)*

4) Public comments for non-agenda items. (This portion of the agenda allows an individual the opportunity to address the Board on any item regarding Watermaster business that is NOT ON THE AGENDA. Without acting or entering a dialogue with the public, Board members may ask clarifying questions about topics posed by the public. Your matter may be referred to the administrator and/or advisory committee.)

5) Special Presentations – None

6) Consent Agenda

- A. Payment of the bills through April 18, 2019
- B. Treasurer’s Report month ending March 29, 2019
 - a. Aging Summary
 - b. Production Report- Update
- C. Minutes of March 27, 2019

7) Advisory Committee Report

8) Action Items

A. Well Applications i.e., Small Pumper Qualifying and Monitoring Wells

- a. Consideration and possible action on Resolution No. R-19-07 Small Pumper Qualifying well applications.

B. Well Applications i.e., New Productions and New Points of Extraction

- a. Consideration and possible action on Resolution No. R-19-08 New Production Well and applications.

C. Transfers

- a. Consideration and possible action on Resolution No. R-19-09 Transfer of Production Right.

D. 2018 Replacement Water Assessment Rate – Within Boundaries of Palmdale Water District and Littlerock Creek Irrigation District

- a. Consideration and possible action to approve Resolution No. R-19-10 setting the 2018 Replacement Water Assessment Rate within Palmdale Water District and Littlerock Creek Irrigation District boundaries.

E. 2019 Replacement Water Assessment Rate

- a. Consideration and possible action to approve Resolution No. R-19-11 setting the 2019 Replacement Water Assessment Rate.

F. Storage and Recovery Agreement and Report

- a. Consideration and possible action to approve Resolution No. R-19-12 adopting the Storage and Recovery Agreement and Annual Water Storage and Recovery Report Form.

G. Small Pumper Water Rights

- a. Consideration and possible action to approve Resolution No. R-19-13 adopting memorandum regarding the Small Pumper Water Rights for the Rules and Regulations.

H. Small Pumper Class Limits

- a. Consideration and possible action to approve Resolution No. R-19-14 adopting memorandum regarding the Small Pumper Class Limits for the Rules and Regulations.

I. Rules and Regulations Update

9) Administrator's Report

- a. Meter Compliance Letters - Update

10) Engineer's Report – Phyllis Stanin

- a. Meter Compliance Update
- b. SGMA Correspondence to DWR

11) Attorney's Report – Craig Parton

- c. Update on Appeals
- d. Memorandum Re: Watermaster Authority to Waive Assessments Letters from Mr. Robert Brumfield
- e. Update on Known Producers Pumping Outside of the Judgment
- f. Update on WAGAS Land Company
- g. Update on Rosamond CSD/Desert Breeze
- h. Update on Joshua Memorial Park (SCI)

12) Board Members Request for Future Agenda Items

13) Adjournment – Next meeting May 22, 2019

Regular Meeting
April 24, 2019

Bills to be Approved

ANTELOPE VALLEY WATERMASTER BOARD MEMORANDUM

DATE: April 18, 2019
TO: WATERMASTER BOARD
FROM: Mr. Matthew Knudson, AV Watermaster Administrator
RE: *PAYMENT OF BILLS THROUGH April 18, 2019*

Recommendation:

Staff has reviewed and recommends payment for the attached invoice:

• AVEK – Administrative Assistance – March 2019	\$ 3,738.00
• AVEK – Well & Transfer Applications – March 2019	\$ 1,350.00
• Glotrans – Hosting of website for March 2019	\$ 1,200.00
• Palmdale Water District – Administrative Assistance – March 2019	\$ 1,707.56
• Price, Postel & Parma LLP – Services for March 2019	\$ 20,608.11
• Todd Groundwater – Services for March 2019	\$ 21,119.80
• Todd Groundwater – Well & Transfer Applications March 2019	<u>\$ 1,670.00</u>
Total amount of invoices to be paid	\$ 51,393.47

Checking Account - Funds Available:

Checking Account Balance as of April 19, 2019: \$213,242.37

Money Market – Funds Available:

Replacement Water Assessment Balance: \$ 63,749.34

Supporting Documents:

- Copies of invoices

INVOICE



ANTELOPE VALLEY
EAST KERN WATER AGENCY
 6500 WEST AVENUE N
 PALMDALE, CA 93551-2855
 PH:(661) 943-3201 FAX:(661) 943-3204

INVOICE NUMBER: 3-31-19-1

INVOICE DATE: 3/31/19

PAGE: 1

SOLD TO:

AV Watermaster
 P.O. Box 3025
 QUARTZ HILL, CA 93586

CUSTOMER I.D.	CUSTOMER P.O.	PAYMENT TERMS
AV Watermaster		Net 30 Days

SALES REP I.D.	SHIPPING METHOD	SHIP DATE	DUE DATE
			4/30/19

QUANTITY	ITEM NUMBER	DESCRIPTION	UNIT PRICE	EXTENSION
		March 2019 Administrative Services		3,327.00
		March 2019 Facility & Administrative Costs:		
		Broadvoice Annual Cost		303.00
		Microsoft Exchange: 3 users x 9 mos.		108.00

Subtotal	3,738.00
Sales Tax	
Total Invoice Amount	\$3,738.00
Payment Received	0.00
TOTAL DUE	\$3,738.00

INVOICE



ANTELOPE VALLEY
 EAST KERN WATER AGENCY
 6500 WEST AVENUE N
 PALMDALE, CA 93551-2855
 PH:(661) 943-3201 FAX:(661) 943-3204

INVOICE NUMBER: 3-31-19-2
 INVOICE DATE: 3/31/19
 PAGE: 1

SOLD TO:

AV Watermaster
 P.O. Box 3025
 QUARTZ HILL, CA 93586

CUSTOMER I.D.	CUSTOMER P.O.	PAYMENT TERMS		
AV Watermaster		Net 30 Days		
SALES REP I.D.	SHIPPING METHOD	SHIP DATE	DUE DATE	
			4/30/19	
QUANTITY	ITEM NUMBER	DESCRIPTION	UNIT PRICE	EXTENSION
		March 2019 Application Processing		1,350.00

Subtotal	1,350.00
Sales Tax	
Total Invoice Amount	\$1,350.00
Payment Received	0.00
TOTAL DUE	\$1,350.00

Glotrans
 2915 McClure St.
 Oakland, CA 94609
 (510) 220-2733
 danieleros@glotrans.com

Invoice

BILL TO
 Antelope Valley Watermaster
 6500 West Avenue N.
 Palmdale, CA 93552

INVOICE # 3122
DATE 04/01/2019
DUE DATE 05/01/2019

DATE	ACCOUNT SUMMARY	AMOUNT
03/01/2019	Balance Forward	\$2,400.00
	Payments and credits between 03/01/2019 and 04/01/2019	-2,400.00
	New charges (details below)	1,200.00
	Total Amount Due	\$1,200.00

DATE	ACTIVITY	AMOUNT
03/31/2019	Hosting and support of document repository www.avwatermaster.org for the month of March 2019, 1 @ \$1,200.00	1,200.00

Global Transactions, Inc. (dba Glotrans)
 Federal Tax ID: 94-3316854

TOTAL OF NEW CHARGES	1,200.00
BALANCE DUE	\$1,200.00



PRICE, POSTEL & PARMA LLP
Counsellors at Law

P.O. Box 99
Santa Barbara, CA 93102-0099

(805) 962-0011

TAX ID # 95-1782877

Antelope Valley Watermaster
Attn: Matt Knudson
P.O. Box 3025
Quartz Hill, CA 93586

April 3, 2019
File: 23641-00001
Invoice #: 161077
Billing Attorney: CAP

Matter: General Representation

PLEASE RETURN THIS PAGE WITH YOUR REMITTANCE.

SUMMARY OF CURRENT BILLING

Current Fees	\$20,479.50
Current Disbursements	\$128.76
Total Current Fees & Costs	\$20,608.26
Previous Balance	\$26,550.11
Payments - Thank You	\$26,550.11
TOTAL BALANCE DUE	\$20,608.26

BALANCE IS DUE UPON RECEIPT.

THE FIRM'S HOURLY RATES ARE REVIEWED ANNUALLY AND
MAY CHANGE EFFECTIVE JANUARY 1ST UNLESS OTHERWISE AGREED.

**General Counsel - Craig Parton
March 2019**

Litigation/Appeals/Enforcement	\$7,057.50
Meetings and Agendas	\$4,582.00
R&R/Annual Rpt/Judgment	\$ 8,840.00
Disbursements	\$ 128.76

\$20,608.26



PALMDALE WATER DISTRICT
A CENTURY OF SERVICE

April 11, 2019

BOARD OF DIRECTORS
ROBERT E. ALVARADO
Division 1

DON WILSON
Division 2

MARCO HENRIQUEZ
Division 3

KATHY MAC LAREN
Division 4

VINCENT DINO
Division 5

ANTELOPE VALLEY WATERMASTER

**RE: REIMBURSEMENT OF EXPENSES FOR INTERIM
ADMINISTRATIVE ASSISTANCE FOR MARCH 2019.**

DENNIS D. LaMOREAUX
General Manager

ALESHIRE & WYNDER LLP
Attorneys

	<u>Amount</u>
Staff Time:	\$ 1,707.56
Outside Supplies:	0.00
Computer Software Subscription:	0.00
	1, 707.56

TOTAL DUE: \$ 1,707.56



If you have any questions, please contact me at 661-456-1014.

Sincerely,

Yolanda T. Radovic

YOLANDA T. RADOVIC,
Accounting Assistant II
/ytr(Work order # 19-264)
Please Credit GL# 1-00-3030-000

TODD

GROUNDWATER

2490 Mariner Square Loop, Suite 215
 Alameda, CA 94501
 510/747-6920 Federal ID# 94-2490748

Invoice

DATE INVOICE NO.
 4/8/2019 79601 3-19

BILL TO:

Antelope Valley Watermaster
 Attn: Robert Parris
 P.O. Box 3025
 Quartz Hill, CA 93586

Project No: 79601 - Antelope Valley WM ES

DESCRIPTION	HOURS	RATE	AMOUNT
Professional services in connection with Watermaster Engineer Services.			
Kate White	30.5	225.00	6,862.50
Phyllis Stanin	18	245.00	4,410.00
Chad Taylor	42.75	220.00	9,405.00
Professional Services Subtotal			20,677.50
Communications Fee @ 2% of Professional Services	20,677.5	0.02	413.55
Administrative/Secretarial:			
Cynthia Obuchi	0.25	115.00	28.75

Attached find budget status spreadsheet.

Mar. 1-31 \$21,119.80

This invoice is now due and payable. Balances unpaid over 30 days accrue 1.5% interest per month. If payment for previous charges has been sent, please accept our thanks and disregard our reminder of previous unpaid charges.

	Task	Description	January		February		March		Yr to Date	Amended Budget	Difference
			Hours	Cost	Hours	Cost	Hours	Cost			
		Todd Groundwater Year to Date Summary									
Task 1		Project Coordination & Communication	21.5	\$ 5,545.82	5.75	\$ 1,465.67	9.5	\$ 2,340.32	36.75	\$ 42,120.00	\$ 32,768.19
Task 2		Includes meeting prep with staff, attorney and Advisory Committee Rules & Regulations	13.75	\$ 3,206.63	1	\$ 229.50	0	\$ -	14.75	\$ 11,985.00	\$ 8,548.87
Task 3		Project Communications	11.75	\$ 2,829.23	13.75	\$ 3,390.23	13.5	\$ 3,246.15	39	\$ 17,875.00	\$ 8,409.39
Task 4		Covers meter installations, reading and question etc. Water Quality and Well Permitting (includes Amend #3)	20.75	\$ 4,378.15	28.25	\$ 6,387.75	47.25	\$ 10,656.45	96.25	\$ 30,953.80	\$ 9,531.45
Task 5		Well applications will be invoiced seperately Annual Report	4.25	\$ 975.38	0	\$ -	21.25	\$ 4,876.88	25.5	\$ 57,012.30	\$ 51,160.04
Task 6		SGMA Compliance			1	\$ 229.50	0	\$ -	1	\$ 1,499.40	\$ 1,269.90
		Balance									
			\$ 16,935.21	\$ 11,702.65	\$ 21,119.80	\$ 49,757.66	\$ 161,445.50	\$ 111,687.84			

TODD

GROUNDWATER

2490 Mariner Square Loop, Suite 215
 Alameda, CA 94501
 510/747-6920 Federal ID# 94-2490748

Invoice

DATE INVOICE NO.
 4/8/2019 79602 3-19

BILL TO:

Antelope Valley Watermaster
 Attn: Robert Parris
 P. O. Box 3025
 Quartz Hill, CA 93586

Project No: 79602-AVWM Application Fees

DESCRIPTION	HOURS	RATE	AMOUNT
Professional services in connection with: Application Fees Well Applications:			
New Point of Extraction Application (Granite Rock)	1	470.00	470.00
New Production Application (E. Rodriguez)	1	700.00	700.00
Transfer (Sanitation District 14 to Palm Ranch ID)	1	500.00	500.00

Mar. 1-31

\$1,670.00

This invoice is now due and payable. Balances unpaid over 30 days accrue 1.5% interest per month. If payment for previous charges has been sent, please accept our thanks and disregard our reminder of previous unpaid charges.

Regular Meeting
April 24, 2019

Treasurer's Report

**Antelope Valley Watermaster
Treasurer's Report
Month Ended March 29, 2019**

Cash/Funds Available and held at Citizen's Business Bank:	
Bank Balance, beginning March 1, 2019:	
Checking	170,834.80
Money Market	63,741.74
	<u>234,576.54</u>
Less: Expenses Paid (Checking)	(64,378.96)
Add: Deposits Made (Checking)	115,019.50
Add: Interest Earned (Money Market)	7.60
	<u>285,224.68</u>
Bank Balance, ending March 29, 2019:	
Checking	221,475.34
Money Market	63,749.34
	<u>285,224.68</u>
Add: Deposit in Transit (Checking)	16,883.40
Less: Expenses Outstanding (Checking)	(44,923.76)
	<u>257,184.32</u>
Adjusted Bank Balance, ending March 29, 2019:	
Less: Accounts Payable	-
Add: Accounts Receivable (Current)	\$1,083,204.05
Add: Accounts Receivable (Over 60 Days Old)	4,628.18
	<u>1,087,832.23</u>
Less: Outstanding Replacement Water Funds	(1,035,425.00)
Less: Collected Replacement Water Funds (Money Market)	(63,749.34)
	<u>245,842.21</u>
Net Assets, ending March 29, 2019	

Outstanding Expenses (Prior Month(s)):

5004 - C. Louise R. Close Living Trust Account Refund \$11.60

March Expenses:

5023 - AVEK (Admin. & Application Staff Time) \$3,997.00
5024 - GloTrans - avwatermaster.org \$1,200.00
5025 - PWD (Admin. Staff Time) \$1,462.40
5026 - Price, Postel & Parma LLP - Legal Counsel \$26,550.11
5027 - TODD Groundwater - Watermaster Engineer \$11,702.65

Total Current Expenses \$44,923.76

Antelope Valley Watermaster

BALANCE SHEET

As of March 29, 2019

	TOTAL
ASSETS	
Current Assets	
Bank Accounts	
Citizens Business Bank - Checking	193,434.98
Citizens Business Bank - Money Market	63,749.34
Total Bank Accounts	\$257,184.32
Accounts Receivable	
Accounts Receivable (A/R)	1,087,832.23
Total Accounts Receivable	\$1,087,832.23
Other Current Assets	
Inventory Asset	0.00
Undeposited Funds	0.00
Total Other Current Assets	\$0.00
Total Current Assets	\$1,345,016.55
TOTAL ASSETS	\$1,345,016.55
LIABILITIES AND EQUITY	
Liabilities	
Total Liabilities	
Equity	
Opening Balance Equity	0.00
Retained Earnings	79,334.44
Net Income	1,265,682.11
Total Equity	\$1,345,016.55
TOTAL LIABILITIES AND EQUITY	\$1,345,016.55

Antelope Valley Watermaster

A/R AGING SUMMARY

As of March 29, 2019

	CURRENT	1 - 30	31 - 60	61 - 90	91 AND OVER	TOTAL
1100 Overlying Production Rights						\$0.00
60th Street Association Water System	4.11	13.56			27.57	\$45.24
Barry and Sharon Munz Barry and Sharon Munz 2014 Revocable Trust, Terry A. & Kathleen M. Munz	2.50	25.00				\$27.50
Baxter Mutual Water Company	66.89	219.99			448.89	\$735.77
Burrows/200 A40 H LLC	132.75	1,327.50				\$1,460.25
C. Louise R. Close Living Trust c/o George Brittner	1.66	5.00			11.60	\$18.26
Copa De Oro Land Company	162.50	1,625.00				\$1,787.50
eSolar Inc.; Sierra Sun Tower, LLC	5.71	18.83			38.28	\$62.82
Gorrindo Resourceful LLC	314.50	3,145.00				\$3,459.50
Granite Construction Company (Big Rock Facility)	63.00	630.00				\$693.00
Granite Construction Company (Little Rock Sand and Gravel)					-108.80	\$ -108.80
Irma Ann Carle Trust, Irma-Anne Carle, Trustee	0.50	5.00				\$5.50
James and Diana Leer	0.50	5.00				\$5.50
James and Elizabeth Bridwell	1.78	5.00			12.76	\$19.54
Jane Healy and Healy Enterprises Inc.	350.00	3,500.00				\$3,850.00
Jeffrey and Nancee Siebert	53.00	530.00				\$583.00
John and Adrienne Reca	125.50	1,255.00				\$1,380.50
Land Projects Mutual Water Co.	306.77	3,067.70				\$3,374.47
Leah Frankenberg	1.90	6.28			12.76	\$20.94
LeClair Robert, Unini Marie	1.11	5.55			5.50	\$12.16
Luis Hernandez	2.25	22.50				\$24.75
Michael and Dolores A. Weatherbie	0.50		5.00			\$5.50
Noel Pool	1.90		6.28		12.76	\$20.94
Randy Turk					-13.60	\$ -13.60
Rose Villa Apartments		-7.42				\$ -7.42
Ruth C. Findley	1.90		6.28		12.76	\$20.94
Saint Andrew's Abbey, Inc.	51.00	510.00				\$561.00
Service Rock Products, L.P.	133.50	1,335.00				\$1,468.50
SGS Antelope Valley Development, LLC	94.34	285.00			658.35	\$1,037.69
Tierra Bonita Ranch					2.25	\$2.25
Triple M Property Co.	28.55	94.14			191.40	\$314.09
U.S. Borax	952.50					\$952.50
William Fisher Memorial Water Company	8.02	27.88			52.33	\$88.23

	CURRENT	1 - 30	31 - 60	61 - 90	91 AND OVER	TOTAL
Total 1100 Overlying Production Rights	2,871.14	17,676.51	17.56		1,364.81	\$21,930.02
1200 Producers with Return Flow Rights						\$0.00
Antelope Valley Country Club	45.55				455.47	\$501.02
Total 1200 Producers with Return Flow Rights	45.55				455.47	\$501.02
1300 Small Pumpers						\$0.00
Charlie Tapia			139,035.00			\$139,035.00
Johnny Zamrzla			273,165.00			\$273,165.00
Long Valley L.P.	225.79			2,257.90		\$2,483.69
Mark Ritter			337,065.00			\$337,065.00
Olin Derrick			311,865.00			\$311,865.00
Total 1300 Small Pumpers	225.79		1,061,130.00	2,257.90		\$1,063,613.69
1500 State of California						\$0.00
California Department of Corrections and Rehabilitation	1.50	15.00				\$16.50
California Department of Military	1.50	15.00				\$16.50
California Department of Parks and Recreation	4.50	45.00				\$49.50
California Department of Transportation	80.37	286.70			517.00	\$884.07
California Department of Water Resources	52.00	520.00				\$572.00
California State Lands Commission	5.13	18.30			33.00	\$56.43
Total 1500 State of California	145.00	900.00			550.00	\$1,595.00
1675 Supporting Landowners (Formerly 2000)						\$0.00
Eyherabide Sheep Co., Eyherabide Land Co., LLC	6.00	60.00				\$66.00
Reesdale Mutual Water Company	11.50	115.00				\$126.50
Total 1675 Supporting Landowners (Formerly 2000)	17.50	175.00				\$192.50
TOTAL	\$3,304.98	\$18,751.51	\$1,061,147.56	\$2,257.90	\$2,370.28	\$1,087,832.23

Antelope Valley Watermaster

PROFIT AND LOSS

January 1 - March 29, 2019

	TOTAL
Income	
Fixed Annual Administrative Assessments	386,853.55
Late Fees	3,465.30
Monitoring Well Application Fees	100.00
New Point of Extraction Application Fees	970.00
New Production Application Fees	2,350.00
Parcel Location Request	25.00
Replacement Well Application Fees	150.00
Small Pumper Qualifying Documentation Application Fees	3,150.00
Total Income	\$397,063.85
Cost of Goods Sold	
Inventory Shrinkage	0.00
Total Cost of Goods Sold	\$0.00
GROSS PROFIT	\$397,063.85
Expenses	
2000 Contracted Administrative Services	13,063.08
2200 Information and Document Management	4,800.00
2300 Insurance Expenses	1,522.50
2400 Legal & Professional Fees	84,246.61
2800 Watermaster Engineer	63,548.10
2900 Watermaster Special Contract Services	594.00
Total Expenses	\$167,774.29
NET OPERATING INCOME	\$229,289.56
Other Income	
Interest Earned	17.55
Replacements Water Assessments	1,035,425.00
Temporary Water Transfer Request Fees	950.00
Total Other Income	\$1,036,392.55
NET OTHER INCOME	\$1,036,392.55
NET INCOME	\$1,265,682.11

Regular Meeting
April 24, 2019

2018 Production Report Update

Updated April 10, 2019

	Number of Producers	Completed Production Reports	Production Reports Completed
Overlying Producers (Exhibit 4)	107	70	65.42%
Non-Overlying Producers (Exhibit 3)	11	10	90.91%
Other Parties	22	13	59.09%
New Production Wells	19	5	26.32%

**Outstanding 2018 Annual Production Reports
 Overlying Producers (Exhibit 4) Updated April 10, 2019**

60th Street Association Water System	Frankenberg: Leah Frankenberg	Rosamond High School
Adams Bennett Investments, LLC	Healy: Jane Healy and Healy Enterprises Inc.	Rose Villa Apartments
Aqua-J Mutual Water Company	Hernandez: Luis Hernandez (bought Gene Bahlman property)	Service Rock Products, L.P.
AV Solar Ranch 1, LLC	Landale Mutual Water Company	SGS Antelope Valley Development, LLC
Baxter Mutual Water Company	LeClair: Marle A. Unini and Robert J. LeClair	Sonrise Ranch, LLC
Big Rock Mutual Water Company	Littlerock Sand and Gravel Co	Triple M Property Co.
Bittner Trust, Glen Brittner, Trustee	Llano Del Rio Water Company	
Bleich Flat Mutual Water Company	Llano Mutual Water Company	William Fisher Memorial Water Company
Bolthouse Properties LLC	McWilliams: Dennis M. and Diane K. McWilliams	
Bridwell: James and Elizabeth Bridwell	Munz: 2014 Revocable Trust, Terry A. & Kathleen M. Munz	
Burrows/200 A40 H LLC	Northrop Grumman Systems Corporation	
Carle: Irma Ann Carle Trust, Irma-Anne Carle, Trustee	Pool: Noel Pool (Purchased Sal and Connie Cardile property)	
Close: C. Louise R. Close Living Trust	Reca: John and Adrienne Reca	
eSolar Inc.; Red Dawn Suntower LLC (Transferring to RCSD)	Van Dam: Craig and Martha (Received a transfer)	
eSolar Inc.; Sierra Sun Tower, LLC		
eSolar Inc.; Tumbleweed Suntower LLC		
Findley: Ruth C. Findley		

**Outstanding 2018 Annual Production Report
Non-Overlying Producers (Exhibit 3) Updated April 10, 2019**

North Edwards Water District

**Outstanding 2018 Annual Production Reports • Other Parties
Federal Reserved Water Rights Updated April 10, 2019**

State of California

Department of Water Resources
Department of Transportation
State Lands Commission
Department of Corrections and Rehabilitation
Highway Patrol
Department of Military

Supporting Landowners

Reesdale Mutual Water Company
Juanita Eyherabide, Eyherabide Land Co., LLC and Eyherabide Sheep Company
LV Ritter Ranch, LLC.

Others with Rights to Produce

Small Pumper with Rights to Imported Water Return Flows (metered)

Outstanding 2018 Annual Production Report
New Production Updated April 10, 2019

Alegre, Juan & Cetty

Ambriz, Juan

Castillo, Juan

Collins, Raymond & Maryam

Connelly, Myles

Cooper, Ronald

Del Carmen Vaia, Maria

Esparza Jimenez, David

Fong, Alma

La Cosepa (Christ of the Desert)

Magana, Paul (Woodstone Construction)

Webster, Anthony

Witmeyer Trust (2 Wells)

Note

1. Some New Production wells are still under construction

Regular Meeting
April 24, 2019

Antelope Valley Watermaster Board
Meeting Minutes
Wednesday, March 27 2019 – 10:00 a.m.
Location: Antelope Valley – East Kern Water Agency
6450 West Avenue N, Palmdale, CA 93551

- 1) Meeting was called to order at 10:00 a.m.
- 2) Pledge of Allegiance was led by Robert Parris
- 3) **Roll Call**

BOARD OF DIRECTORS

Dennis Atkinson, Landowners – Vice-Chairperson
Adam Arika, Los Angeles County Waterworks District 40
John Calandri, Landowners
Kathy MacLaren, Public Water Suppliers
Robert Parris, AVEK Water Agency – Chairperson
Adrienne Reca – Landowners, Alternate

Phyllis Stanin, Todd Groundwater, Watermaster Engineer
Craig Parton, Price Postel & Parma LLP, General Counsel

4) Adoption of Agenda

A motion was made by Director Calandri, seconded by Director MacLaren and unanimously carried to adopt the agenda.

5) Public comments for non-agenda items. – None

6) Special Presentations – None

7) Consent Agenda

- A. Payment of the bills through February 21, 2019
- B. Treasurer's Report month ending January 31, 2019
 - a. Aging Summary
 - b. Production Report- Update
- C. Minutes of January 23, 2018

A motion was made by Director Atkinson, seconded by Director MacLaren and unanimously carried to approve the consent agenda.

8) Advisory Committee Report

Memo was reviewed and noted

9) Action Items

- A. Well Applications i.e., Small Pumper Qualifying and Monitoring Wells
 - a. Consideration and possible action on Resolution No. R-19-04 Small Pumper Qualifying well applications.

A motion was made by Director Atkinson, seconded by Director MacLaren and unanimously carried to approve Resolution No. R-19-04

- B. Well Applications i.e., New Production and New Point of Extraction

- a. Consideration and possible action on Resolution No. R-19-05 New Production and New Point of Extraction Applications

A motion was made by Director Calandri, seconded by Director Ariki and unanimously carried to approve Resolution No. R-19-05.

C. Transfers

- a. Consideration and possible action on Resolution No. R-19-06 Transfer of Production Rights.

Director Calandri requeued himself for this item, Alternate Adrienne Reca filled in.

A motion was made by Director Atkinson, seconded by Director Ariki and unanimously carried to approve Resolution No. R-19-06.

10) Administrator's Report

11) Engineer's Report – Phyllis Stanin

- a. Meter Compliance Update
- b. Rules and Regulations Update

12) Attorney's Report – Craig Parton

- a. Update on Appeals
- b. Update on Known Producers Pumping Outside of the Judgment
- c. Memorandum Re – Small Pumper Class Water Rights
- d. Memorandum Re – what Limits the Judgment Puts on Small Pumper Class Pumping
- e. Status of Storage Agreements
- f. Update on Rosamond CSD/Desert Breeze
- g. Update on Joshua Memorial Park (SCI)

13) Board Members Request for Future Agenda Items

14) Adjournment – Meeting was adjourned at 10:51 a.m.

APPROVED BY THE BOARD OF DIRECTORS:

Robert Parris, Chairman

Date

Patricia Rose, Secretary

Regular Meeting
April 24, 2019

**A N T E L O P E V A L L E Y
W A T E R M A S T E R B O A R D
M E M O R A N D U M**

DATE: April 19, 2019
TO: ANTELOPE VALLEY WATERMASTER BOARD
FROM: Mr. Dennis LaMoreaux, Advisory Committee Chair
Derek Yurosek, Advisory Committee Vice Chair
VIA: Mr. Matt Knudson, Peter Thompson Jr., AV Watermaster Administration
RE: *ADVISORY COMMITTEE INPUT FOR APRIL 24, 2019 AV WATERMASTER BOARD (AVWB) MEETING*

The Advisory Committee met on April 18, 2019 at 10:00 am at Quartz Hill Water District to discuss potential action items at the AVWB meeting on April 24, 2019. Ten (10) of thirteen (13) voting members attended the meeting either in person or on the conference line to start the meeting. The Committee discussed and took the following positions on discretionary action items from the draft April 24, 2019 meeting agenda received April 11, 2019.

9) Action Items

A. Well Applications (Qualifying Small Pumper and Monitoring Wells)

The Committee had no comment on this item.

B. Well Applications (New Production and New Points of Extraction)

The Committee discussed the new points of extraction for LACWW 40. The Committee expressed concern over the finding of no material injury determination by Todd Groundwater. A Committee member was concerned about private wells near the Avenue I and 60th Street West and the creation of a new cone of depression in the area. The Committee requests more information on how the determination was made.

The Committee had no comment on the residential new production. However, a question was raised about how the availability of replacement water was going to be determined and the effect on new residential producers if supplies are limited.

C. Transfer of Production Right

The Committee discussed the proposed transfer. The Committee requests clearer language in the Watermaster Engineer letter related to the transferred water's actual use. The phrase "likely be used . . . offset replacement water assessments" is not clear. It could mean the water will be pumped in-lieu of replacement water and the transfer is priced lower than the replacement water assessment. It could also mean it will not be pumped and will be left in the Basin for past over production.

D. 2018 Replacement Water Rate – Within Boundaries of Palmdale Water District and Littlerock Creek Irrigation District

The Committee supported the amount of \$415.00/AF proposed for this item.

E. 2019 Replacement Water Rate

The Committee supported the total amount of \$948.04/AF outside the boundaries of the AVSWCA and \$451.11/AF within the boundaries.

The Committee also cautioned that more work is likely needed to implement these assessments and charge producers. The issues discussed included the following:

1. A Watermaster contract with AVSWCA is needed to define amounts, location, and method(s) of recharge;
2. The basis of the variable replacement assessment of \$451.11/AF does not currently include the cost of operating a recharge facility. That cost, if any, should be addressed when setting future assessment rates;
3. All assumptions in the "Financial Analysis Study for Replacement Water Assessment" (Study) should be clearly listed;
4. This Study should be adopted as a method as well as 2019 numbers. This will allow the replacement water assessments to be consistently determined for the years 2016, 2017, and 2018, and;
5. The Watermaster should request other methods of meeting replacement water needs are reviewed including potential in-lieu deliveries.

F. Storage and Recovery Agreement and Report

The Committee noted the Rules and Regulations for this subject were already approved and had no further comments on the draft agreement and forms.

G. Small Pumper Water Rights

Committee members discussed comments that have been submitted to the Watermaster Attorney. The Committee recommends acceptance of the Attorney's memo and developing Rules and Regulations based on the memo.

H. Small Pumper Class Limits

The Committee discussed this memo including a perspective on how the Judgement's language was developed (i.e. reductions of individual small pumper limits were related to drought conditions rather than additional class members). Committee members will provide written comments and recommended the small pumper and default lists be re-assessed and cleaned up.

I. Rules and Regulations Update

The Committee had no comment on this item.

11) Attorney's Report and Assessment Relief Memo

The Committee discussed the appropriateness of reviewing the following individual requests for relief from elements of the Judgement as they are not ready for AVWB consideration and action. Therefore, the Committee took no position on the WAGAS, Derrick, or Ritter requests.

c. Update on WAGAS Land Company

No comment.

AVWB Assessment Waiver Authority – Derrick and Ritter Requests

The Committee discussed the Watermaster Attorney memo and agreed with its conclusions and recommendations.

Regular Meeting
April 24, 2019

Resolution No. R-19-07
Small Pumper Qualifying Documentation

Possible Small Pumps

Updated April 10, 2019

	Number of Small Pumps	Average Production	Total Production
Known Small Pumps (per Exhibit "C" in the Judgment)*	4292 Parcels	1.2 AFY	5150.4 AFY
Known Small Pumps (per Section 5.1.3 of the Judgment)*	3172 Parcels	1.2 AFY	3806.4 AFY
Approved Qualifying Small Pumps (approved by Antelope Valley Watermaster Board)	61 Parcels	1.2 AFY	73.2 AFY

* Known Small Pumps Depending on which section of the Judgment is correct

Qualifying Small Pumpers - Board Approved

Updated April 10, 2019

Adams, Terry & Christine	Hyde, Richard	Thibault, Leo & Joann
Ann Washington Irrevocable Trust	Kirschenbaum, Alan & Michelle	Thompson, Peter
Ann Washington Irrevocable Trust	Kissling, Stephen	Trono, Pete
Benefiel, Jane	Knauer, Robin Bernd	Uner, Atilla
Burr, Terry and Gail	Knox, Fred	Vance, Glenn
Calderon, Hugo & Siouxsie	Landaverde, Prudencio & Angela	Vance, Orien & Anna
Carlson, Carl	Little Family Trust	Vegos, Charles & Tamara
Clipperton, Michael	Martinez, Elmer	Velazquez, Enrique & Jennifer
Conrad, Richard & Catherine	Meyer, Jon & Zera, Valarie	Villalobos, Juan
Corona, Fatima & Gilderdo	Moody, Keenan	Waters, William & Elizabeth
Crawford, Susan	Myers, William & Linda	West, Anthony & Mary
Csaki, Isabella	Ohnmacht, Greg & Amy	Witt, Robert & Evelyn
Curd, Leo	Ossio/Lapa	Whitt, Ronald & Louise
DeLano, Milton & Sherry	Ostler, Martin & Karen	Young Trust (Allyn Young)
Fernandez, Efen & Alicia	Pierce: Donald & Ella Pierce Trust	
Field, Robert & Deborah	Powell: Stephany Powell Revocable Trust	
Franco, Daniel	Pruitsman, Douglas & JoAnna	
Franco, Daniel	Savko, David	
Fry, James & Sandra	Savko, David	
Govednik, George	Shelar, Laurance	
Hardy, Frank & Pamela	Smith, Dean & Melissa	
Hardy: Corrine Hardy Family Trust	Soper-McCarthy, Robin & Monica	
Hill, Herschel & Debra	Steele, Anna	
Holden, Robin & Heimbach, Dennis		

Known Small Pumpers Pumping Outside of the Judgment (Pumping over 3 AFY)

Updated April 10, 2019

Felder, William
Kadivar, Parvaneh
Long Valley Road, LP
Molina, Magaly
Olin, Derrick
Ritter, Mark
Tapia Brothers Inc. (Charles Tapia)
Zamrzla, Johnny
Zamrzla, Johnny & Pamela

RESOLUTION NO. R-19-07

**APPROVING APPLICATIONS FOR SMALL PUMPER QUALIFICATION,
REPLACEMENT WELL PRODUCTION FOR EXISTING PRODUCTION RIGHTS, OR
NON-PRODUCTION WELLS PURSUANT TO THE TERMS OF THE JUDGMENT;
ATTACHED EXHIBIT A**

WHEREAS, the Antelope Valley Watermaster, formed by the Antelope Valley Groundwater Cases Final Judgment (“Judgment”), Santa Clara Case No. 1-05-CV-049053 signed December 23, 2015, is to administer the Judgment; and

WHEREAS, a process for considering and approving applications for small pumper qualification, applications for replacement well production for existing production rights, or applications for non-production wells is set forth in the Judgment and in the Rules and Regulations contained in the Memorandum from Todd Groundwater to the Watermaster Board dated March 2, 2018 and unanimously adopted by the Board pursuant to Resolution No. R-18-05; and

WHEREAS, the Watermaster Staff may recommend to the Watermaster Board that applications for small pumper qualification, applications for replacement well production for existing production rights, or applications for non-production wells be denied or approved; and

WHEREAS, pursuant to the terms of the Judgment, the Watermaster Board must deny or approve these applications consistent with the terms of the Judgment; and

WHEREAS, the Watermaster Staff has reviewed all the applications listed on attached Exhibit A and has made the appropriate determinations for either small pumper qualification, or replacement well production, or non-production wells as required under the Judgment and the Rules and Regulations; and

WHEREAS, the Watermaster Board has considered and adopts the determinations and recommendations of the Watermaster Staff and is prepared to approve the applications listed on Exhibit A.

NOW, THEREFORE, BE IT RESOLVED, that the Watermaster Board unanimously approves the applications for small pumper qualification, or replacement well production, or non-production wells of those Parties or Persons whose names and information are listed on attached Exhibit A to this Resolution as being consistent with the terms of the Judgment and applicable Rules and Regulations.

I certify that this is a true copy of Resolution No. R-19-07 as passed by the Board of Directors of the Antelope Valley Watermaster at its meeting held on April 24, 2019, in Palmdale, California.

Date: _____

Robert Parris, Chairman

ATTEST: _____
Patricia Rose – Secretary

**Exhibit A Attachment to
Resolution No. R-19-07**

**APPROVING APPLICATIONS FOR SMALL PUMPER QUALIFICATION,
REPLACEMENT WELL PRODUCTION FOR EXISTING PRODUCTION RIGHTS, OR
NON-PRODUCTION WELLS PURSUANT TO THE TERMS OF THE JUDGMENT**

APN#	Request Type	Use of Well	Subarea	Applicant/Property Owner
3060-022-034	Small Pumper Qualifying	Domestic	South East	Edgar, Micheal Ann
3060-030-059	Small Pumper Qualifying	Domestic	South East	Richards, Monica



BOARD OF DIRECTORS

Robert Parris – Chair
AVEK Representative
Dennis Atkinson – Vice Chair
Landowner Representative
Adam Ariki
LACWW Representative
John Calandri
Landowner Representative
Leo Thibault
Public Water Suppliers Representative

April 2, 2019

Robert Parris, Chair
Antelope Valley Watermaster Board

Re: Small Pumper Qualifying Documentation Findings
Ronald Sugajski Trust (Micheal Ann Edgar)
APN 3060-022-034 (South East Subarea)

Watermaster Board:

Antelope Valley Watermaster Administrative Staff has determined that the above-mentioned Small Pumper Qualifying Documentation of qualifying wells for domestic use at a single-family home in the South East Subarea is complete. The applicant has been determined to be a member of the Small Pumper class.

Sincerely,

Angel Fitzpatrick
AV Watermaster, Administrative Assistant

SMALL PUMPER QUALIFYING DOCUMENTATION*

ANTELOPE VALLEY WATERMASTER

Please include an application fee according to the fee schedule posted on the Watermaster website:
<https://avwatermaster.net>. Make check out to: Antelope Valley Watermaster

Please mail to: Antelope Valley Watermaster, P.O. Box 3025, Quartz Hill, California 93586 OR email to: info@avwatermaster.net
 Call Watermaster Administrative staff at 661-234-8233 with questions.

* This form is to be used by private entities who believe they qualify as "Small Pumpers" in the Antelope Valley Groundwater Adjudication and are not now on the "Small Pumper Class" list. Small Pumper Class is defined as: "All private (i.e., non-government) Persons and entities that own real property within the Basin, as adjudicated, and that have been pumping less than 25 acre-feet per Year on their property during any Year from 1946 to December 23, 2015". Any new production on a parcel that was not pumped prior to December 23, 2015 does not qualify to be in the Small Pumper Class.

Date 3/25/19 Well Site APN# 3060-022-034
 Property Owner/Well Owner RONALD SUGAJSKI TRUST (MICHAELANN EDGAR,
 Property Owner/Well Owner Mailing Address P.O. Box 1337, LITTLE ROCK / SUCCESSOR TRUSTEE)
 Property Address, if different than Owner's Address 11711 HONEYBEE LANE, LITTLE ROCK, CA 93543
 Contact Phone Number 661-547-2626 Contact email MICKEYEDGAR@GMAIL.COM

Note: Legal notices under the Judgment will be sent to the above email address. You are required to keep this information up to date. Please notify the Watermaster of any changes.

Parcel and Well

Please attach photographs showing property and existing well (cell phone photos can be emailed, if convenient)
 Please attach an 8 1/2" by 11" paper site plan of the parcel (legible hand sketch or Google map acceptable) showing:

1. Location of parcel features, including major buildings, landscaped areas, all existing wells, roads, etc.
2. Location of the existing well(s) with estimated dimensions in feet from well to nearest cross streets.

Please provide supporting documentation listed below, to the extent readily available:

- Documentation that the well was drilled on the property prior to December 23, 2015 (e.g., County well permit, DWR Well Completion Report, etc.).
- If sufficient documentation is not provided in bullet above, property owner agrees to allow Watermaster Engineer or designated agent access to the property at a mutually-agreed upon time to physically inspect the well and property.
- Uses of the existing well (for example, domestic, irrigation, livestock, etc.). Also provide an estimate of annual household occupancy (number of residents), history of land irrigation and acreage, and history of livestock/animals that resided on the property and that relied on the well during the period 1946 – 2015.
- Land deed/parcel information indicating use of land and/or historical aerial photographs of land showing land use.
- Other pertinent information that demonstrates the use and production amounts of the well during the 1946 to 2015 time period.

Voluntary Information on Existing Well, if readily available:

Existing Well Latitude/Longitude (or x, y) 34.439642° / -117.918928° NOT MORE THAN
 Existing Well pumping capacity 8 gpm Average annual production from Existing Well 3 acre-feet/year
 Use(s) of the Existing Well (agricultural, domestic, industrial, municipal, monitoring, etc.) _____
 Existing Well construction date 9/21/04 Casing Materials PVC Casing Diameter 6 inches
 Surface seal material and depth SEE WCR Screened interval SEE WCR feet below ground surface
 Well Depth 700 feet Ground surface elevation SEE WCR feet above mean sea level
 Depth to water 160 feet Is there a meter on the well? NOT REQUIRED

Please attach a copy of the DWR Well Completion Report if readily available.

Signatures

I understand and agree to abide by the terms of the Antelope Valley Adjudication Judgment. I certify that I own the property on which the well is located and it will be used for private (i.e., non-governmental) use. I also certify that the existing well on the property has been pumping less than 25 acre-feet per year (AFY) during any year from 1946 to December 23, 2015. I understand that if I pump more than 3 AFY from my property I may have to install a meter and pay a replacement water assessment. I understand that these water rights are not transferable from the parcel. I certify that I did not "opt out" of the Small Pumper Class during the Adjudication process. I further certify that the information given in this application is correct to the best of my knowledge and that the signature below, whether original, electronic, or photocopied, is authorized and valid, and is affixed with the intent to be enforceable.

Muchnick Edger successor trustee to

Signature of Property Owner/Well Owner *Ronald Sugayski Revocable Trust* Date *3/25/19*

Signature of Consultant/Agent *Barbara Benckhoff* Date *3/25/19*

To be completed by the Watermaster:

Watermaster Staff Approval _____ Date _____

Watermaster Board Approval _____ Date _____

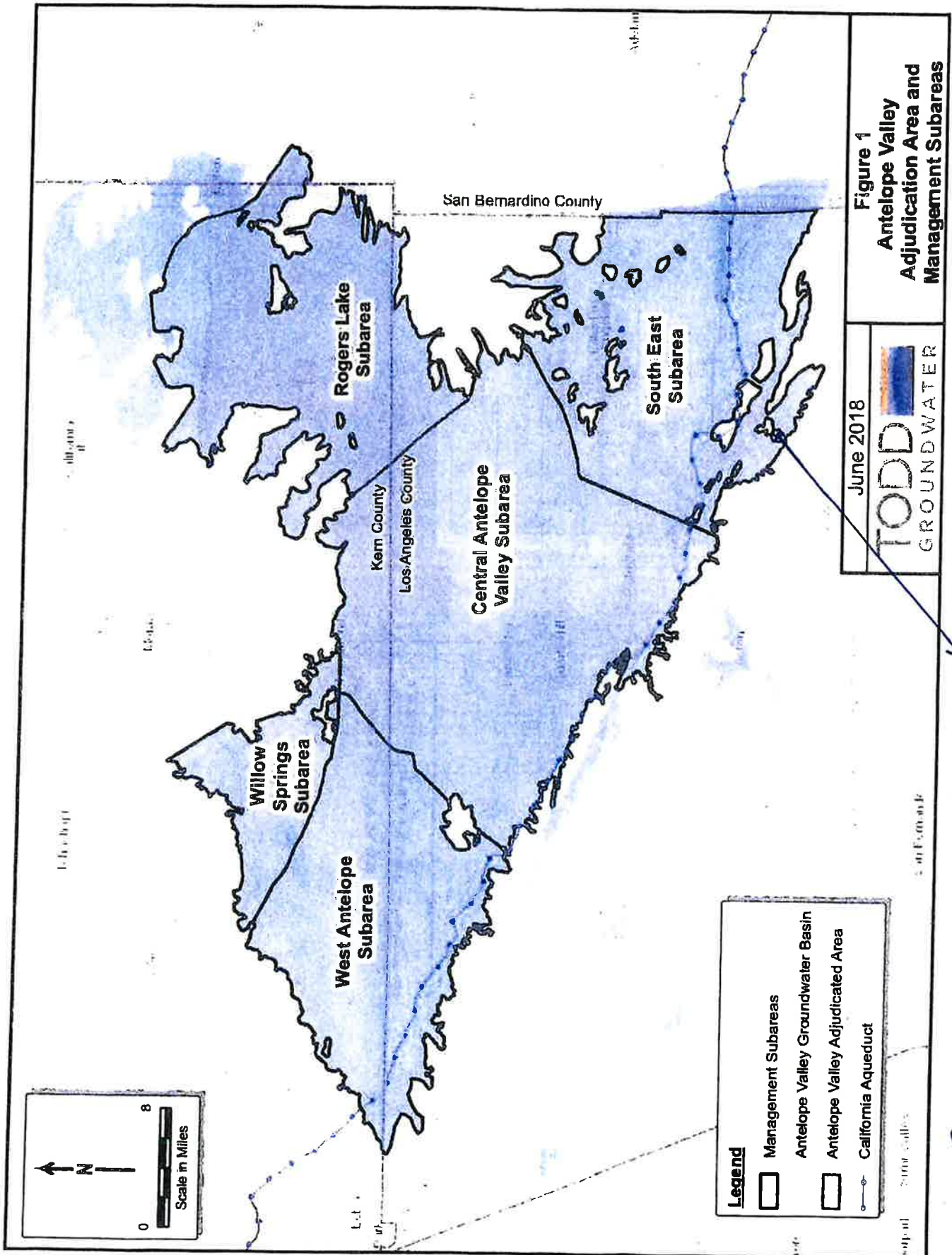


Figure 1
Antelope Valley
Adjudication Area and
Management Subareas

June 2018

TODD
 GROUND WATER

Approximate location of APN 3060-022-034 (Sugajski)



BOARD OF DIRECTORS

Robert Parris – Chair

AVEK Representative

Dennis Atkinson – Vice Chair

Landowner Representative

Adam ArikI

LACWW Representative

John Calandri

Landowner Representative

Leo Thibault

Public Water Suppliers Representative

April 2, 2019

Robert Parris, Chair
Antelope Valley Watermaster Board

Re: Small Pumper Qualifying Documentation Findings
Monica Richards
APN 3060-030-059 (South East Subarea)

Watermaster Board:

Antelope Valley Watermaster administrative staff has determined that the above-mentioned Small Pumper Qualifying Documentation of qualifying wells for domestic use at a single-family home in the South East Subarea is complete. The applicant has been determined to be a member of the Small Pumper class.

Sincerely,

Angel Fitzpatrick

AV Watermaster, Administrative Assistant

SMALL PUMPER QUALIFYING DOCUMENTATION*

ANTELOPE VALLEY WATERMASTER

Please include an application fee according to the fee schedule posted on the Watermaster website:
<https://avwatermaster.net>. Make check out to: Antelope Valley Watermaster

Please mail to: Antelope Valley Watermaster, P.O. Box 3025, Quartz Hill, California 93586 OR email to: info@avwatermaster.net
 Call Watermaster Administrative staff at 661-234-8233 with questions.

* This form is to be used by private entities who believe they qualify as "Small Pumpers" in the Antelope Valley Groundwater Adjudication and are not now on the "Small Pumper Class" list. Small Pumper Class is defined as: "All private (i.e., non-government) Persons and entities that own real property within the Basin, as adjudicated, and that have been pumping less than 25 acre-feet per Year on their property during any Year from 1946 to December 23, 2015". Any new production on a parcel that was not pumped prior to December 23, 2015 does not qualify to be in the Small Pumper Class.

Date 3/16/19 Well Site APN# 3060-030-059

Property Owner/Well Owner MONICA RICHARDS

Property Owner/Well Owner Mailing Address 11757 JUNIPER HILLS RD, LITTLEROCK, CA 93543

Property Address, if different than Owner's Address 11757 JUNIPER HILLS RD, LITTLEROCK, CA

Contact Phone Number 818-399-3445 Contact email MONICARICHARDS@GMAIL.COM 93543

Note: Legal notices under the Judgment will be sent to the above email address. You are required to keep this COM information up to date. Please notify the Watermaster of any changes.

Parcel and Well

Please attach photographs showing property and existing well (cell phone photos can be emailed, if convenient)
 Please attach an 8½" by 11" paper site plan of the parcel (legible hand sketch or Google map acceptable) showing:

1. Location of parcel features, including major buildings, landscaped areas, all existing wells, roads, etc.
2. Location of the existing well(s) with estimated dimensions in feet from well to nearest cross streets.

Please provide supporting documentation listed below, to the extent readily available:

- Documentation that the well was drilled on the property prior to December 23, 2015 (e.g., County well permit, DWR Well Completion Report, etc.).
- If sufficient documentation is not provided in bullet above, property owner agrees to allow Watermaster Engineer or designated agent access to the property at a mutually-agreed upon time to physically inspect the well and property.
- Uses of the existing well (for example, domestic, irrigation, livestock, etc.). Also provide an estimate of annual household occupancy (number of residents), history of land irrigation and acreage, and history of livestock/animals that resided on the property and that relied on the well during the period 1946 – 2015.
- Land deed/parcel information indicating use of land and/or historical aerial photographs of land showing land use.
- Other pertinent information that demonstrates the use and production amounts of the well during the 1946 to 2015 time period.

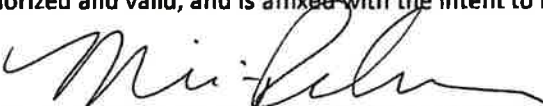
Voluntary Information on Existing Well, if readily available:

Existing Well Latitude/Longitude (or x, y) 34.429464°/-117.919043° NOT TO EXCEED
 Existing Well pumping capacity 5 gpm Average annual production from Existing Well 3 acre-feet/year
 Use(s) of the Existing Well (agricultural, domestic, industrial, municipal, monitoring, etc.) _____
 Existing Well construction date _____ Casing Materials STEEL Casing Diameter 8" inches
 Surface seal material and depth ? Screened interval ? feet below ground surface
 Well Depth 274' feet Ground surface elevation ? feet above mean sea level
 Depth to water 64' feet Is there a meter on the well? NOT REQUIRED

Please attach a copy of the DWR Well Completion Report, if readily available.

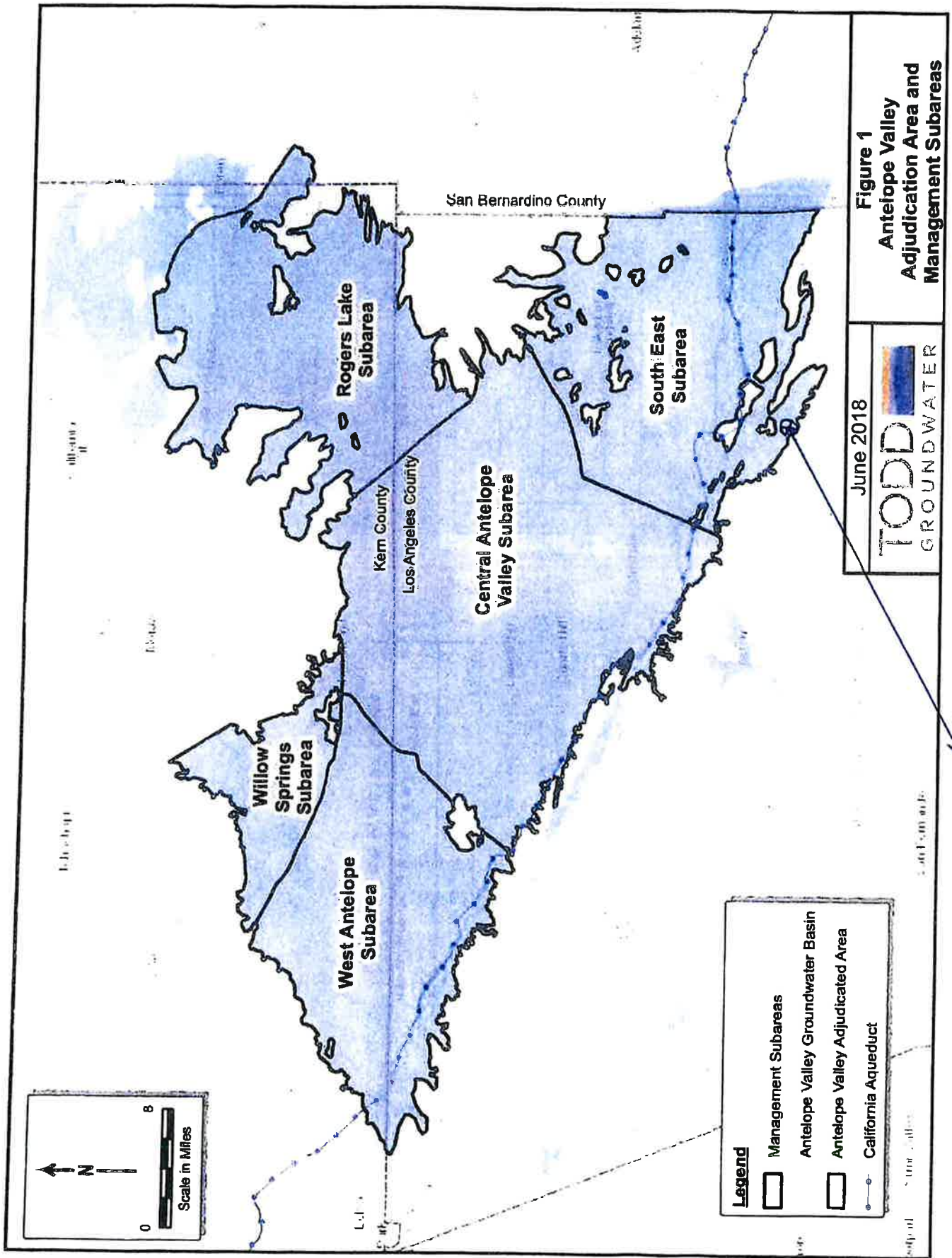
Signatures

I understand and agree to abide by the terms of the Antelope Valley Adjudication Judgment. I certify that I own the property on which the well is located and it will be used for private (i.e., non-governmental) use. I also certify that the existing well on the property has been pumping less than 25 acre-feet per year (AFY) during any year from 1946 to December 23, 2015. I understand that if I pump more than 3 AFY from my property I may have to install a meter and pay a replacement water assessment. I understand that these water rights are not transferable from the parcel. I certify that I did not "opt out" of the Small Pumper Class during the Adjudication process. I further certify that the information given in this application is correct to the best of my knowledge and that the signature below, whether original, electronic, or photocopied, is authorized and valid, and is affixed with the intent to be enforceable.

Signature of Property Owner/Well Owner  Date 3/16/19

Signature of Consultant/Agent  Date 3/16/19

To be completed by the Watermaster:	
Watermaster Staff Approval _____	Date _____
Watermaster Board Approval _____	Date _____



(Richards)

Approximate location of APN 3060-030-059

Regular Meeting
April 24, 2019

**Resolution No. R-19-08
New Production and
New Point of Extraction
Documentation**

RESOLUTION NO. R-19-08

**APPROVING APPLICATIONS FOR NEW PRODUCTION AND NEW POINT OF
EXTRACTION PURSUANT TO THE TERMS OF THE JUDGMENT; ATTACHED
EXHIBIT A**

WHEREAS, the Antelope Valley Watermaster, formed by the Antelope Valley Groundwater Cases Final Judgment (“Judgment”), Santa Clara Case No. 1-05-CV-049053 signed December 23, 2015, is to administer the Judgment; and

WHEREAS, a process for considering and approving applications for new production and new point of extraction is set forth in the Judgment and in the Rules and Regulations relating to new production and new point of extraction contained in the Memorandum from Todd Groundwater to the Watermaster Board dated March 2, 2018 and unanimously adopted by the Board pursuant to Resolution No. R-18-05; and

WHEREAS, the Watermaster Engineer is authorized under the Judgment to recommend to the Watermaster Board that applications for new production or new point of extraction be denied or approved, and that approval may be pursuant to certain conditions such as payment of a replacement water assessment; and

WHEREAS, pursuant to the terms of the Judgment, the Watermaster Engineer is required to make certain findings and to consider, investigate and recommend to the Watermaster Board denial or approval, or approval with certain conditions, of these applications consistent with the terms of the Judgment; and

WHEREAS, the Watermaster Engineer has reviewed all the applications listed on attached Exhibit A and has made the appropriate findings, including that the applicant has a right to produce groundwater under the Judgment or otherwise agrees to purchase replacement water, that all conditions for new production or new point of extraction are met under the Judgment and the Rules and Regulations, and that no Material Injury will result from the proposed production; and

WHEREAS, the Watermaster Board has considered and adopts the findings and recommendations of the Watermaster Engineer and is prepared to approve the applications listed on Exhibit A pursuant to any conditions recommended by the Watermaster Engineer and so noted on Exhibit A.

NOW, THEREFORE, BE IT RESOLVED, that the Watermaster Board unanimously approves the applications for new production or new point of extraction of those Parties or Persons whose names and information are listed on attached Exhibit A to this Resolution as being consistent with the terms of the Judgment and applicable Rules and Regulations.

I certify that this is a true copy of Resolution No. R-19-08 as passed by the Board of Directors of the Antelope Valley Watermaster at its meeting held on April 24, 2019, in Palmdale, California.

Date: _____

Robert Parris, Chairman

ATTEST: _____
Patricia Rose – Secretary

**Exhibit A Attachment to
Resolution No. R-19-08**

**APPROVING APPLICATIONS FOR NEW PRODUCTION AND NEW POINT OF
EXTRACTION PURSUANT TO THE TERMS OF THE JUDGMENT**

APN#	Request Type	Use of Well	Subarea	Applicant/Property Owner
3307-014-052	New Production	Domestic	Central AV	Espinoza, Leticia
3384-007-007	New Production	Domestic	Central AV	Ming, Lin
3105-009-901 3105-009-902	New Point of Extraction	Special District	Central Subarea	Los Angeles County Waterworks District No. 40
3105-009-901 3105-009-902	New Point of Extraction	Special District	Central Subarea	Los Angeles County Waterworks District No. 40



April 8, 2019

Robert Parris, Chair
Antelope Valley Watermaster Board

Re: APN# 3307-014-052 Espinoza New Production Application Findings

Watermaster Board:

Todd Groundwater has determined that the above-mentioned application for New Production in the Central Antelope Valley Subarea for domestic use is complete. The applicant does not propose to build a home on the property at this time and will use the well for landscaping (trees) and possibly animals to improve the value of the parcel. The information provided indicates that the New Production will be used in a manner consistent with California best water management practices. Given the small amount of proposed production (<3 AFY) and the obligation to pay a Replacement Water Assessment, Todd Groundwater finds that the potential for Material Injury as defined in the Judgment is negligible.

Sincerely,

A handwritten signature in blue ink that reads "Phyllis A. Stanin".

Phyllis Stanin

Todd Groundwater, Antelope Valley Watermaster Engineer

NEW PRODUCTION APPLICATION
ANTELOPE VALLEY WATERMASTER

Please include an application fee according to the fee schedule posted on the Watermaster website:
<https://avwatermaster.net>. Make check out to: Antelope Valley Watermaster

Mail to: Antelope Valley Watermaster, P.O. Box 3025, Quartz Hill, California 93586 OR email to: info@avwatermaster.net
Call Watermaster Administrative staff at 661-234-8233 with questions.

Date 2-28-19 Proposed Well Site APN# 3307-014-052
Property Owner/Well Owner Leticia Espinoza
Property Owner/Well Owner Mailing Address 1805 La France Drive
Contact Phone Number 661-371-6514 Contact email armas.star97@gmail.com
New Well Latitude/Longitude (or x, y) 34°44'35.91"/117°58'21.24" Antelope Valley Subarea: Central Antelope
Use of New Well (Agricultural, Domestic Industrial, Municipal, Monitoring, etc.) Domestic
If Domestic well, will well be used to supply one single family household only? Yes/No
Do other wells exist on this property? Yes/No. If Yes, indicate if active, inactive, or abandoned and show on Site Plan.
When will a meter be installed on the well? when the well is built

New Production requests are to include the following (Section 18.5.13 of the Judgment):

1. Payment of an application fee sufficient to recover all costs of application review, field investigation, reporting, and hearing, and other associated costs, incurred by the Watermaster and Watermaster Engineer in processing the application for New Production. Please attach a check to this application submittal for the fee associated with a New Production application as per the fee schedule posted on the Watermaster website. Check can be made out to Antelope Valley Watermaster.
2. Written summary describing the proposed quantity, sources of supply, season of use, purpose of use, place of use, manner of delivery, and other pertinent information regarding the New Production.
3. Maps¹ identifying the location of the proposed New Production, including Basin Subarea.
4. Well Information² including proposed well design, estimated annual pumping, and agreement to install a meter in accordance with the Rules & Regulations. Plus, a statement that once the well is installed, the applicant will provide water well permits, specifications and well-log reports, pump specifications and testing results, and water meter specifications associated with the New Production.
5. Written confirmation that applicant has obtained all necessary entitlements and permits including all applicable Federal, State, County, and local land use entitlements and other permits necessary to commence the New Production.
6. Written confirmation that applicant has complied with applicable laws and regulations including all applicable Federal, State, County, and local laws, rules and regulations, including but not limited to, the California Environmental Quality Act (Public Resources Code §§ 21000, et. seq.).
7. Preparation of a water conservation plan, approved and stamped by a California licensed and registered professional civil engineer with expertise in groundwater hydrology, demonstrating that the New Production will be designed, constructed and implemented consistent with California best water management practices.
8. Preparation of an analysis of the economic impact of the New Production on the Basin and other Producers in the Subarea of the Basin.
9. Preparation of an analysis of the physical impact of the New Production on the Basin and other Producers in the Subarea of the Basin.
10. A written statement, signed by a California licensed and registered professional civil engineer with expertise in groundwater hydrology, determining that the New Production will not cause Material Injury. Material injury could be in the form of significant and unreasonable 1. Chronic lowering of groundwater levels, 2. Reduction of groundwater storage, 3. Degraded

¹ Maps are to include North arrow and scale, location of proposed well with dimensions in feet from well to nearest cross streets, and location of site features, including major buildings, landscaped areas, all existing wells, roads, etc.

² Please attach a diagram showing proposed well construction, including maximum well depth, casing diameter and materials, ground surface elevation, screen intervals, and estimated pumping capacity. A completed DWR Well Completion Report is required to be submitted to the Antelope Valley Watermaster upon completion of well.

- water quality, 4. Land subsidence, 5. Depletions of interconnected surface water such that beneficial uses are impacted.
11. Written confirmation that the applicant agrees to pay the applicable Replacement Water Assessment for any New Production.
 12. Other pertinent information which the Watermaster Engineer may require.

In addition, all New Production applicants who are not Parties to the Judgment³ are to comply with Section 20.9 of the Judgment, consult with the Watermaster Engineer, and seek the Watermaster's stipulation to allow them to intervene to become bound by the Judgment prior to commencing Production. The non-Party applicant must file a motion to intervene with the court that includes reference to their effort to obtain the Watermaster's stipulation to the intervention. It is strongly recommended that the non-Party applicant consult with a lawyer to assist them with compliance with Section 20.9 of the Judgment. If applicant believes they are part of the Non-Pumper Class (see footnote below) and therefore do not need to intervene in the Judgment, please provide supporting documents or statements demonstrating adherence to Items 1-6 in the footnote.

SIGNATURES

I understand and agree to be bound by the terms of the Antelope Valley Adjudication Judgment and to pay the applicable Replacement Water Assessment for any New Production. I certify that the information provided on this Request for New Production is correct to the best of my knowledge and that the signature below, whether original, electronic, or photocopied, is authorized and valid, and is affixed with the intent to be enforceable. I understand that it is my responsibility to notify the Antelope Valley Watermaster of any changes in any of the information provided on this form within 15 days. I also understand that additional information may be required if there is a suspected potential for a material injury as defined in the Judgment.

Signature of Applicant *Scott E. Eggen* Date 2/27/19

To be completed by the Watermaster:	
Watermaster Engineer Approval <u><i>Phyllis A. Stamer</i></u>	Date <u>4/8/19</u>
Watermaster Board Approval _____	Date _____

NOTE: This application is not for a well construction permit; a completed and approved application must be submitted to the appropriate well permitting agency (e.g., Kern or Los Angeles Counties) for a well construction permit, if the well is to be installed within the Antelope Valley Adjudicated Area.

³ An applicant may already be a Party to the Judgment if they are part of the Non-Pumper Class (Willis Class) if they meet the criteria described in Section 3.5.22 of the Judgment, as follows:

1. They are a private party and not a "governmental" entity.
2. They (or their successor in interest—see no.4 below) own real property within the adjudicated Basin and were not pumping water at the time of the Judgment being entered as of December 2015.
3. They (or their successor in interest—see no. 4 below) did not pump water on their property "at any time during the five Years preceding January 18, 2006."
4. Non-Pumper class status applies to those who are successors in title or interest (via gift or purchase or inheritance or otherwise) to a Non-Pumper Class member's land that meets the above criteria.
5. Note the term "Non-Pumper Class Member" does not apply to those who opted out or to those connected to a municipal water system, public utility, or mutual water company from which they receive water service. Also, their land cannot be considered "improved" by the Assessor's Office of Los Angeles or Kern County, unless the person declares under penalty of perjury that they do not pump and have never pumped water on those properties.
6. Finally, the Non-Pumper Class does not include anyone individually named in the Public Water Suppliers' cross-complaint unless those persons opted into the Non-Pumper Class.



APRIL 4, 2019

REF NO: L19-056

TODD GROUNDWATER
2490 MARINER SQUARE LOOP, SUITE 215
ALAMEDA, CA 94501


ATTN: KATHERINE WHITE

RE: CONSTRUCT REPLACEMENT WATER WELL ON A VACANT LOT
LETICIA ESPINOZA
1805 LA FRANCE DRIVE
BAKERSFIELD, CA 93304

DEAR MS. WHITE,

THE APPLICANT/OWNER HAS PROVIDED A WATER CONSERVATION PRACTICES FORM FOR A SINGLE FAMILY HOME. HOWEVER, THIS IS A REPLACEMENT WELL ON A VACANT LOT. BASED ON THIS FORM AND THE ESTIMATED ANNUAL WATER USE, THE POTENTIAL FOR THE NEW WATER PRODUCTION WELL TO CAUSE MATERIAL INJURY IS NEGLIGIBLE.

RESPECTFULLY,



BARRY S. MUNZ, PE
VICE PRESIDENT

Water Conservation Practices for Single Family Home

ANTELOPE VALLEY WATERMASTER

Date 4-4-19 Proposed Well Site APN# 3307-014-052

Property Owner/Well Owner Leticia Espinoza Felix

Property Owner/Well Owner Mailing Address 1805 La France Drive

Contact Phone Number (661) 371-6514 Contact email Armas_star97@gmail.com

Use of New Well (Agricultural, Domestic, Industrial, Municipal, Monitoring, etc.) Domestic

Estimated annual pumping from New Well 2 1/2 acre-feet/year and well capacity 30 gallons/minute

Briefly describe how use was estimated (attach back up information as necessary) Based on lot size

Square footage of home No improvements proposed at this time (see additional details)

Lot/Parcel Size 2 1/2 Acres

Number of full bathrooms N/A

Number of half-baths N/A

Is there (or will there be) a pool? No Size of pool _____ (gallons)

Is there (or will there be) a spa/hot tub? No Size of spa/hot tub _____

Area to contain irrigated landscaping No improvements proposed square-feet

Description and area if each landscaping type N/A (see additional details)

Will there be any fruit trees? Type and how many? No improvements proposed at this time

Please provide details on potential water use other than small domestic household inside use and outside irrigation as described above. This could include water for farm animals, etc. _____

Water Conservation Checklist

Please indicate which of the following measures will be used: UNKNOWAN (SEE ADDITIONAL DETAILS)

- ENERGY STAR® water-conserving appliances installed, e.g., dishwasher, washing machine appl.
- Water-efficient showerhead using conventional aerator or venturi technology for flow rate < 2.5 gpm fixture
- Water-efficient sink faucets/aerators < 2.2 gallons/minute
- Ultra-low flow (< 1.6 gpm/flush) toilets installed
- Low-volume, non-spray irrigation system installed, e.g., drip irrigation, bubblers, drip emitters, soaker hose, stream-rotator spray heads
- Weather-based irrigation controllers, e.g., computer-based weather record
- Collect and use rainwater as permitted by local code
- Separate and re-use greywater as permitted by local code
- Composting or waterless toilet as permitted by local code
- Drought-resistant, native plants (site-appropriate)
- Xeriscape landscaping
- Evapotranspiration-based irrigation controller with a rain sensor
- Soil moisture sensor based irrigation controller

Please provide additional details here THIS IS FOR THE REPLACEMENT OF AN EXISTING
WELL WHICH WAS DAMAGED BEYOND REPAIR BY VANDALS. THE PROPERTY
IS VACANT WITH NO IMPROVEMENTS PROPOSED AT THIS TIME.

SIGNATURES

I understand and agree to abide by the terms of the Antelope Valley Adjudication Judgment. I certify that the information provided on this Water Conservation Practices for Single Family Home form is correct to the best of my knowledge and that the signature below, whether original, electronic, or photocopied, is authorized and valid, and is affixed with the intent to be enforceable. I understand that it is my responsibility to notify the Antelope Valley Watermaster of any changes in any of the information provided on this form within 15 days.

Signature of Applicant Leticia Espanora Date 4/4/19

Leticia Espinoza & Jose Luis Armas, Husband and Wife
Well Statement

Dear Antelope Valley Watermaster, we thank you for the help and opportunity you have given us in this situation. We bought this property as a future investment, when this property was first bought it originally had a functional well. Unfortunately, someone trespassed onto the property and destroyed the inside of the well by filling it with metal debris and trash making the well unusable and unfixable. Without a well on the property, the property is worth significantly less than when we had originally purchased the parcel. At the moment, we do not have plans to build a home or any structures onto the property. We originally used the parcel for personal family use such as, visiting the parcel during the weekends as a small family camping trip or as a personal getaway for vacations if we did not want to travel far. Some of the future plans we have for the property include planting a few fruit trees and non-produce trees to make the property look nicer and increase its value for the future. Another plan we have for the future of the parcel would be to eventually introduce some animals on to the property.

The main reason we would like to build this is well is mostly as a personal investment for our family, we thank you for the help and opportunity you have given us with the circumstances of our situation and we hope you will be willing to help us with this project.

Sincerely, Armas Family.

New Production Application for Domestic Wells Responses

1. Payment of an application fee sufficient to recover all costs of application review, field investigation, reporting and hearing, and other associated costs, incurred by the Water Master and Water Master Engineer in processing the application for New Production. Please attach check tot this application submittal for the fee associated with a New Production Application as per fee schedule posted on Watermaster website.

Payment will be attached to this document.

2. Written summary describing the proposed quantity, sources of supply, season of use, purpose of use, place of use, manner of delivery, and other pertinent information regarding the new production.

The New Production will be used mainly for domestic purposes, the New Production will be used year round and an estimate of how much will be pumped is ... LB AFY . The place of use will be on the property.

3. Maps identifying the location of the proposed New Production, including Basin Subarea. The map identifying the location of the proposed New Production is attached to this document.

4. Well Information including proposed well design, estimated annual pumping, and agreement to install a meter in accordance with the Rules & Regulations. Plus, a statement that once installed, the applicant will provide water well permits, specifications and well-log reports, pump specifications and testing results, and water meter specifications associated with the New Production.

Well information is attached at the end of this document.

5. Written confirmation that applicant has obtained all necessary entitlements and permits Including all applicable Federal, State, County, and local land use entitlements and other permits necessary to commence the New Production.

I will obtain all necessary entitlements and permits, except for the final County permit to install the well. That permit will be obtained after getting the Watermaster permission to New Production, Once approved, I will Obtain a well permit from the County and retain a qualified driller with a California License C-57, who will secure any additional permits needed to drill my well, including the completion of a department of Water Recourses Well Completion Report

6. Written confirmation that applicant has complied with applicable laws and regulations including all applicable Federal, State, County, and local laws, rules and regulations, including but not limited to, the California Environmental Quality Act (Public Resources Codes 21000, et. Seq.).

I will comply with all applicable rules and regulations. Drilling of my domestic well qualifies for a Categorical Exemption under CEQA

7. Preparation of a water conservation plan, approved and stamped by a California licensed and registered professional civil engineer with expertise in groundwater hydrology, demonstrating that the New Production will be designed, constructed and implemented consistent with California best water management practices.

This New Production will be put to reasonable and beneficial uses on my property where the well is located. It will only be used for domestic use.

8. Preparation of an analysis of the economic impact of the New Production on the Basin and other Producers in the Subarea of the Basin.

The economic impact will be minimal since production will be less than 3AFY and I will be paying a replacement water assessment to have an equal amount of water imported and recharged into the Basin.

9. Preparation of an analysis of the physical impact of the New Production on the Basin and other Producers in the Subarea of the Basin.

The Physical impact on the Basin will be minimal since the production will be less than 3AFY and I will be paying a replacement water assessment to have an equal amount of water imported and recharged into the Basin.

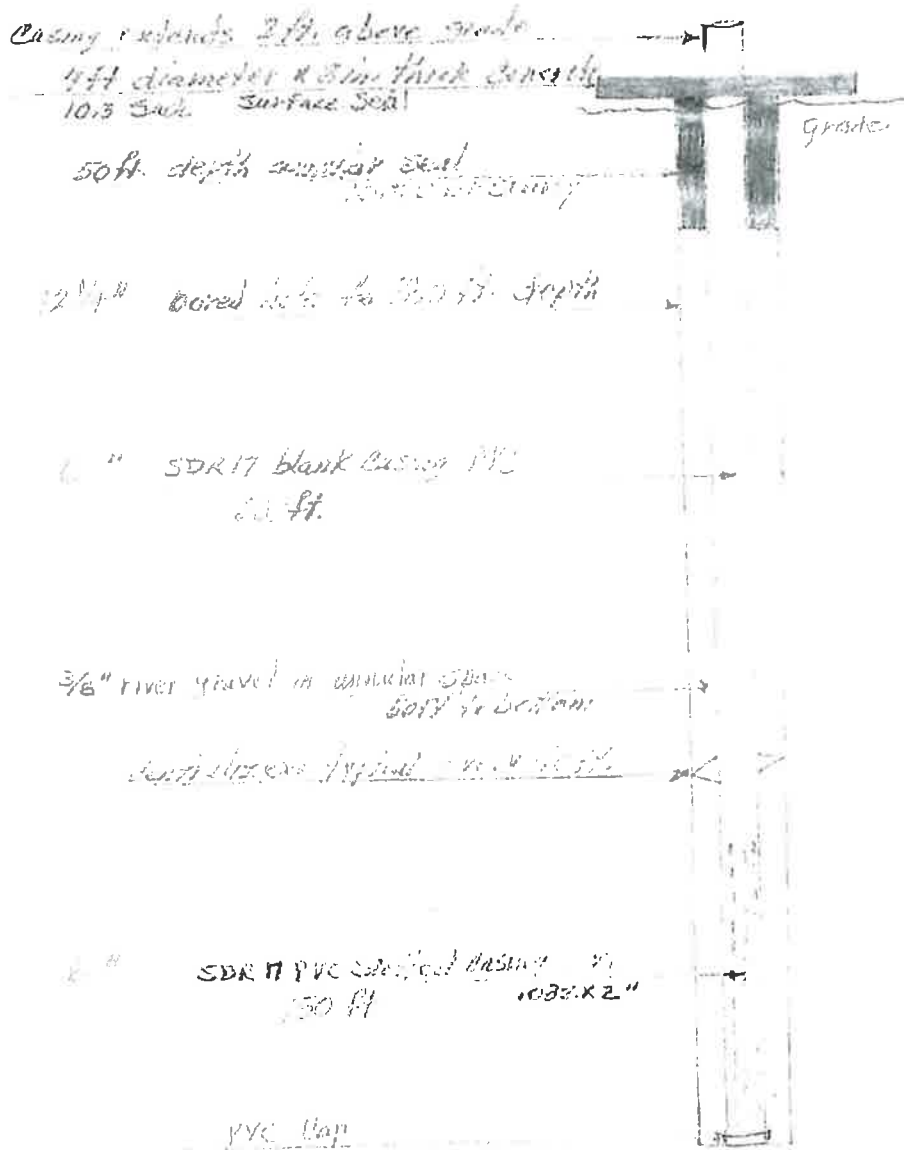
10. A written statement, signed by California licensed and registered professional civil engineer with expertise in groundwater hydrology, determining that the New Production will not cause Material Injury. Material injury could be in the form of significant and unreasonable 1. Chronic lowering of groundwater levels, 2. Reduction of groundwater storage, 3. Degraded water quality, 4. Land subsidence, 5. Depletions of interconnected surface water such that beneficial uses are impacted.

The production will be less than 3AFY. It will not cause a material injury to the basin since a replacement water assessment will be paid to have an equal amount of water and recharged into the basin.

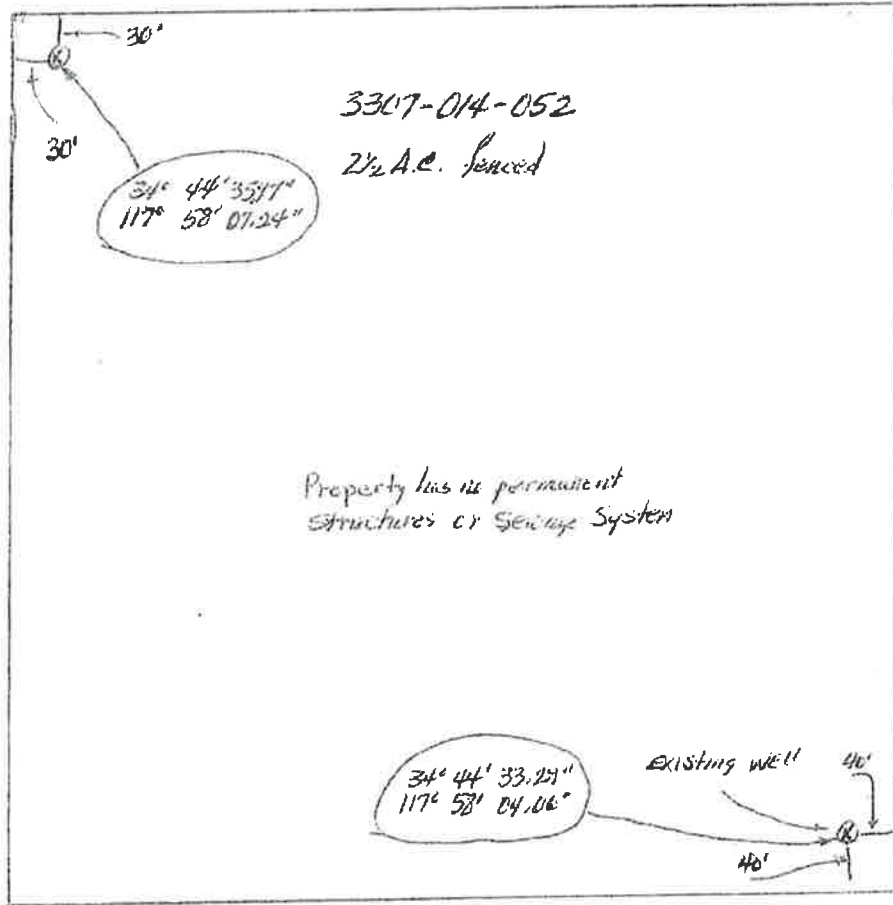
11. Written confirmation that the applicant agrees to pay the applicable Replacement Water Assessment for any New Production.

I the applicant, agree to pay the applicable Replacement Water Assessment for any New Production

12. Other pertinent information which the Waters master Engineer may require.



4/20/20
 Bryant Jung and Jim
 P.O. Box 2370
 205 2nd St
 Rosemead, CA 91768
 email bryants420@yahoo.com
 615-999-9999



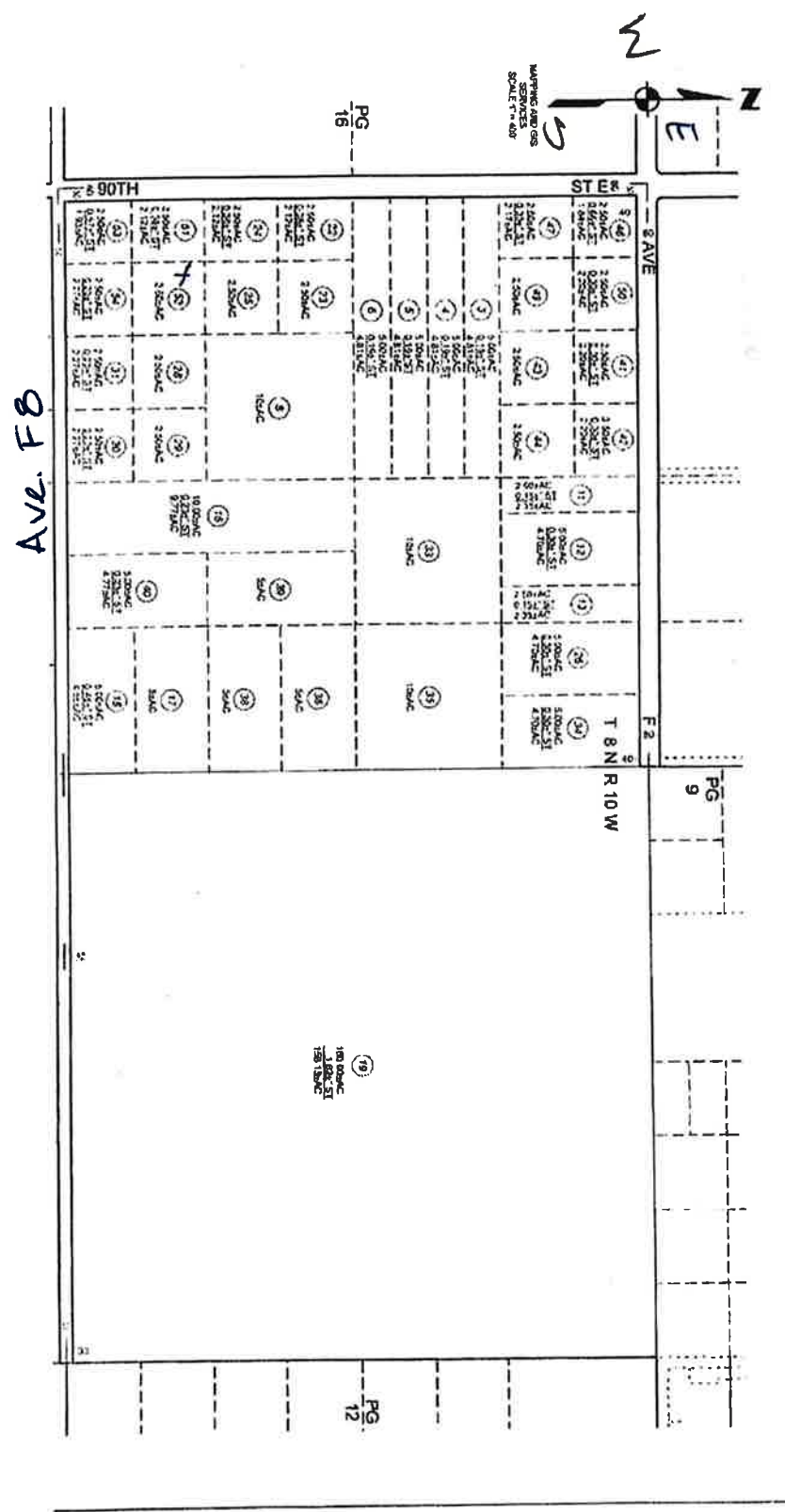
2014 LACounty Aerial.



① Existing Well - Full of debris - Does not produce

② Location of Proposed New Production Well

3307	P.A.	TR A	RECORDED	SEARCH NO.	OFFICE OF THE ASSESSOR
14	3884	3884	SECTION 11		COUNTY OF LOS ANGELES
SHEET			14577/27/2000		COPYRIGHT © 2002



Instant Transaction History Report

For Property Located At:
VAC/VIC 90TH STE/AVE F8, REDMAN CA 93535
 APN: **3307-014-052**
 Owner Name: **ESPINOZA LETICIA**



Transaction History Record # 1

Sale

Sale Recording Date:	02/07/2017	Sale Price:	\$40,000
Sale Date:	02/02/2017	Sale Price Type:	FULL
Rec. Document #:	154727	Multi / Split Sale:	
Sale Instrument #:	000000154727	Document Type:	GRANT DEED
Sale Book / Page:		Title Company:	CHICAGO TITLE CO
Buyer1:	ESPINOZA LETICIA	Corporate Buyer:	
Buyer2:			
Buyer3:			
Buyer4:			
Seller:	CASA GRANDE INDUSTRIES INC		

Transaction History Record # 2

Sale

Sale Recording Date:	02/07/2017	Sale Price:	
Sale Date:	02/03/2017	Sale Price Type:	
Rec. Document #:	154726	Multi / Split Sale:	
Sale Instrument #:	000000154726	Document Type:	QUIT CLAIM DEED
Sale Book / Page:		Title Company:	CHICAGO TITLE CO
Buyer1:	ESPINOZA LETICIA	Corporate Buyer:	
Buyer2:			
Buyer3:			
Buyer4:			
Seller:	ORTIZ JOSE L A		

Transaction History Record # 3

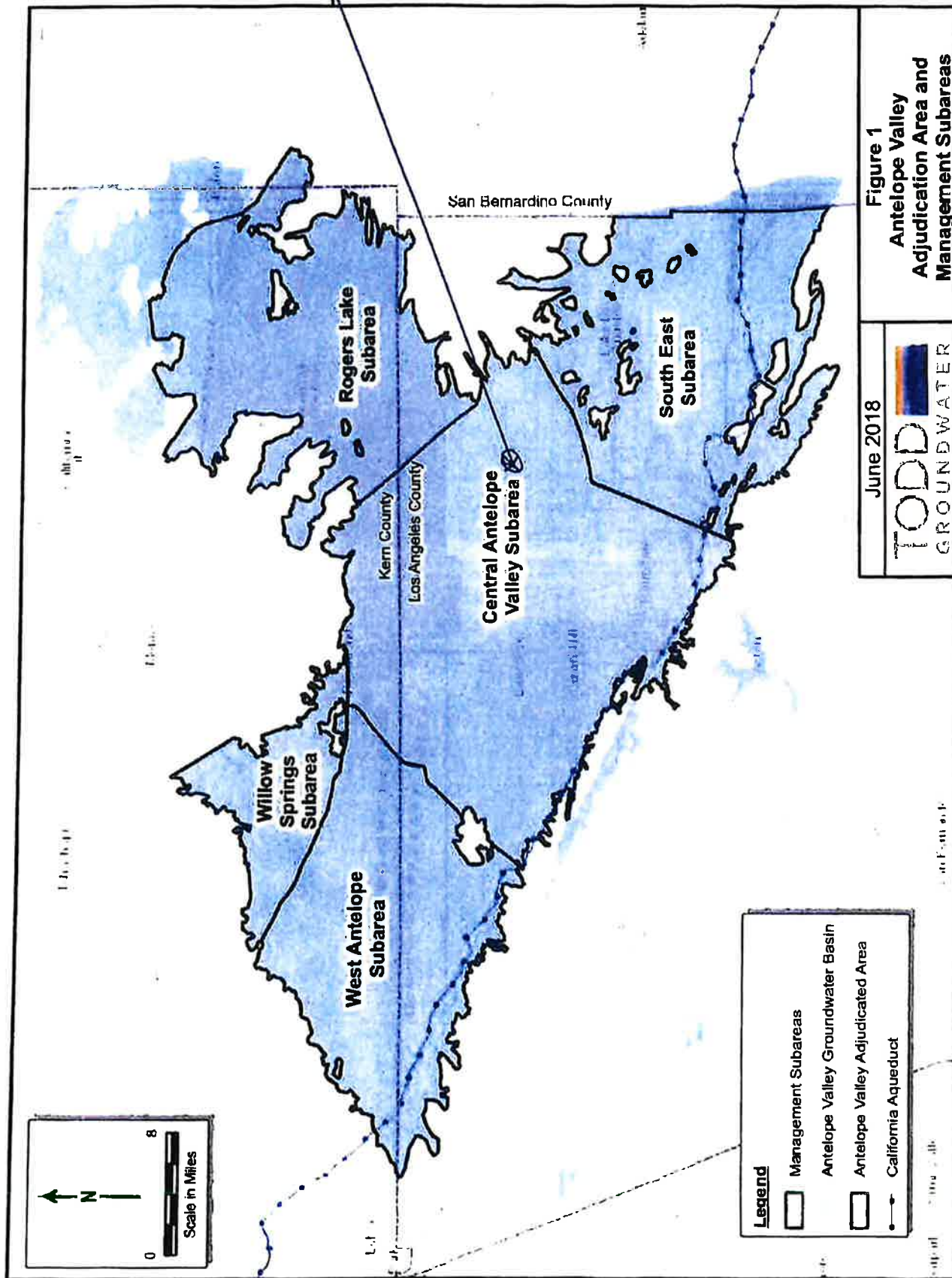
Sale

Sale Recording Date:	01/21/2010	Sale Price:	\$35,053
Sale Date:	01/15/2010	Sale Price Type:	UNKNOWN
Rec. Document #:	87757	Multi / Split Sale:	
Sale Instrument #:	000000087757	Document Type:	TRUSTEE'S DEED (FORECLOSURE)
Sale Book / Page:		Title Company:	ORANGE COAST TITLE CO
Buyer1:	CASA-GRANDE INDS INC	Corporate Buyer:	Y
Buyer2:			
Buyer3:			
Buyer4:			
Seller:	WOLF FIRM		

Recording Information for LOS ANGELES, CA

	Sales	Mortgages	Standalone Mortgages	Assignments	Releases	Foreclosures
History Start Date	01/01/1949	09/01/1980	02/01/1987	01/02/2004	12/06/2004	09/01/1980
Recording Through Date	03/13/2019	03/13/2019	03/13/2019	03/13/2019	03/13/2019	03/13/2019

Approximate location of APN-3307-014-052





April 4, 2019

Robert Parris, Chair
Antelope Valley Watermaster Board

Re: APN# 3384-007-007 Ming New Production Application Findings

Watermaster Board:

Todd Groundwater has determined that the above-mentioned application for New Production in the Central Antelope Valley Subarea for domestic use at a single-family home is complete. The information provided indicates that the New Production will be used in a manner consistent with California best water management practices. Given the small amount of proposed production (<1 AFY) and the obligation to pay a Replacement Water Assessment, Todd Groundwater finds that the potential for Material Injury as defined in the Judgment is negligible.

Sincerely,

A handwritten signature in blue ink that reads "Phyllis A. Stanin".

Phyllis Stanin

Todd Groundwater, Antelope Valley Watermaster Engineer

**NEW PRODUCTION APPLICATION
ANTELOPE VALLEY WATERMASTER**

Attach application fee of \$750 for review and processing: Make check out to: Antelope Valley Watermaster

Please mail to: Antelope Valley Watermaster, P.O. Box 3025, Quartz Hill, California 93586 OR email to: info@avwatermaster.net
Call Watermaster Administrative staff at 661-234-8233 with questions.

Date Nov. 11, 2018 Proposed Well Site APN# 3384-007-007
Property Owner/Well Owner Lin Ming
Property Owner/Well Owner Mailing Address 425 Keiffer Dr. Rincon, GA 31326
Contact Phone Number (912)665-0051 Contact email lin ming@hotmail.com
New Well Latitude/Longitude (or x, y) 34.704267, 117.988154 Antelope Valley Subarea: Lancaster
Use of New Well (Agricultural, Domestic, Industrial, Municipal, Monitoring, etc.) Domestic
If Domestic well, will well be used to supply one single family household only? Yes/No Yes
Do other wells exist on this property? Yes/No If Yes, indicate if active, inactive, or abandoned and show on Site Plan.
When will a meter be installed on the well? As soon as the well is constructed.

New Production requests are to include the following (Section 18.5.13 of the Judgment):

1. Payment of an application fee sufficient to recover all costs of application review, field investigation, reporting, and hearing, and other associated costs, incurred by the Watermaster and Watermaster Engineer in processing the application for New Production. This payment is currently set at \$750. Please attach a check to this application submittal. Check can be made out to Antelope Valley Watermaster.
2. Written summary describing the proposed quantity, sources of supply, season of use, purpose of use, place of use, manner of delivery, and other pertinent information regarding the New Production.
3. Maps¹ identifying the location of the proposed New Production, including Basin Subarea.
4. Well information² including proposed well design, estimated annual pumping, and agreement to install a meter in accordance with the Rules & Regulations. Plus, a statement that once the well is installed, the applicant will provide water well permits, specifications and well-log reports, pump specifications and testing results, and water meter specifications associated with the New Production.
5. Written confirmation that applicant has obtained all necessary entitlements and permits including all applicable Federal, State, County, and local land use entitlements and other permits necessary to commence the New Production.
6. Written confirmation that applicant has complied with applicable laws and regulations including all applicable Federal, State, County, and local laws, rules and regulations, including but not limited to, the California Environmental Quality Act (Public Resources Code §§ 21000, et. seq.).
7. Preparation of a water conservation plan, approved and stamped by a California licensed and registered professional civil engineer with expertise in groundwater hydrology, demonstrating that the New Production will be designed, constructed and implemented consistent with California best water management practices.
8. Preparation of an analysis of the economic impact of the New Production on the Basin and other Producers in the Subarea of the Basin.
9. Preparation of an analysis of the physical impact of the New Production on the Basin and other Producers in the Subarea of the Basin.
10. A written statement, signed by a California licensed and registered professional civil engineer with expertise in groundwater hydrology, determining that the New Production will not cause Material Injury. Material injury could be in the form of significant and unreasonable 1. Chronic lowering of groundwater levels, 2. Reduction of groundwater storage, 3. Degraded water quality, 4. Land subsidence, 5. Depletions of interconnected surface water such that beneficial uses are impacted.

¹ Maps are to include North arrow and scale, location of proposed well with dimensions in feet from well to nearest cross streets, and location of site features, including major buildings, landscaped areas, all existing wells, roads, etc.

² Please attach a diagram showing proposed well construction, including maximum well depth, casing diameter and materials, ground surface elevation, screen intervals, and estimated pumping capacity. A completed DWR Well Completion Report is required to be submitted to the Antelope Valley Watermaster upon completion of well.

11. Written confirmation that the applicant agrees to pay the applicable Replacement Water Assessment for any New Production.
12. Other pertinent information which the Watermaster Engineer may require.

In addition, all New Production applicants who are not Parties to the Judgment are to comply with Section 20.9 of the Judgment, consult with the Watermaster Engineer, and seek the Watermaster's stipulation to allow them to intervene to become bound by the Judgment prior to commencing Production. The non-Party applicant must file a motion to intervene with the court that includes reference to their effort to obtain the Watermaster's stipulation to the intervention. It is strongly recommended that the non-Party applicant consult with a lawyer to assist them with compliance with Section 20.9 of the Judgment.

SIGNATURES

I understand and agree to be bound by the terms of the Antelope Valley Adjudication Judgment and to pay the applicable Replacement Water Assessment for any New Production. I certify that the information provided on this Request for New Production is correct to the best of my knowledge and that the signature below, whether original, electronic, or photocopied, is authorized and valid, and is affixed with the intent to be enforceable. I understand that it is my responsibility to notify the Antelope Valley Watermaster of any changes in any of the information provided on this form within 15 days. I also understand that additional information may be required if there is a suspected potential for a material injury as defined in the Judgment.

Signature of Applicant _____



Date 12/12/18

To be completed by the Watermaster:	
Watermaster Engineer Approval _____	Date _____
Watermaster Board Approval _____	Date _____

NOTE: This application is not for a well construction permit; a completed and approved application must be submitted to the appropriate well permitting agency (e.g., Kern or Los Angeles Counties) for a well construction permit, if the well is to be installed within the Antelope Valley Adjudicated Area.

Water Conservation Practices for Single Family Home

ANTELOPE VALLEY WATERMASTER

Date 1/9/2019 Proposed Well Site APN# 3384-007-007
 Property Owner/Well Owner Lin. Ming
 Property Owner/Well Owner Mailing Address 425 Keiffer Drive Rincon, ca 31326
 Contact Phone Number 912-665-0051 Contact email puhao.huang@gmail.com
 Use of New Well (Agricultural, Domestic, Industrial, Municipal, Monitoring, etc.) _____
 Estimated annual pumping from New Well 0.25 acre-feet/year and well capacity 6 gallons/minute
 Briefly describe how use was estimated (attach back up information as necessary) Domestic

 Square footage of home 3,000
 Lot/Parcel Size 9 Acres
 Number of full bathrooms 3
 Number of half-baths N/A
 Is there (or will there be) a pool? N Size of pool N/A (gallons)
 Is there (or will there be) a spa/hot tub? N Size of spa/hot tub N/A
 Area to contain irrigated landscaping 5,000 square-feet
 Description and area if each landscaping type Grass

Will there be any fruit trees? Type and how many? Not at the beginning, may grow a few in the future.
 Please provide details on potential water use other than small domestic household inside use and outside irrigation as described above. This could include water for farm animals, etc. 1. May build a farm if water level high. 2. May have visitors during holidays.

Water Conservation Checklist

Please indicate which of the following measures will be used:

- ENERGY STAR® water-conserving appliances installed, e.g., dishwasher, washing machine appl.
- Water-efficient showerhead using conventional aerator or venturi technology for flow rate < 2.5 gpm fixture
- Water-efficient sink faucets/aerators < 2.2 gallons/minute
- Ultra-low flow (< 1.6 gpm/flush) toilets installed
- Low-volume, non-spray irrigation system installed, e.g., drip irrigation, bubblers, drip emitters, soaker hose, stream-rotator spray heads
- Weather-based irrigation controllers, e.g., computer-based weather record
- Collect and use rainwater as permitted by local code
- Separate and re-use greywater as permitted by local code
- Composting or waterless toilet as permitted by local code
- Drought-resistant, native plants (site-appropriate)
- Xeriscape landscaping
- Evapotranspiration-based irrigation controller with a rain sensor
- Soil moisture sensor based irrigation controller

Please provide additional details here _____

SIGNATURES

I understand and agree to abide by the terms of the Antelope Valley Adjudication Judgment. I certify that the information provided on this Water Conservation Practices for Single Family Home form is correct to the best of my knowledge and that the signature below, whether original, electronic, or photocopied, is authorized and valid, and is affixed with the intent to be enforceable. I understand that it is my responsibility to notify the Antelope Valley Watermaster of any changes in any of the information provided on this form within 15 days.

Signature of Applicant Lin, Ming/林明

Date 1/9/2019



March 21, 2019

Todd Groundwater
2490 Mariner Square Loop, Suite 215
Alameda, Ca 94501

Subject: New Production Application

Applicant: Lin Ming
APN: 3384-007-007
Address: 425 Keiffer Dr. Rincon, CA 31326
Contact: (912)665-0051

Duke Engineering has reviewed the above-mentioned application, and it is of our opinion that the application for a New Production well will not cause Material Injury. The water demand is for domestic use at (1) 3,000 SF Single-Family Household, which will also be used for Outdoor Irrigation of Landscaping (Trees and Ground Cover). The applicant has provided an Estimate Annual Water Demand of 1 AFY as shown on the Water Conservation Practice Form.

Thanks,

Ryan Duke PE



Additional Responses for New Production Application for Small Domestic Wells

MIng Lin

2. The new production will be put to use on a single family home, estimated about .5 af per year and well pump capacity pumping will be approx. 10-15 gpm. It will be used year round thru all seasons.

4. See previously included well design. Annual pumping is estimated at .5af/per year. Water meter will be installed by an approved installer. Well completion report and pumping info will be provided at completion of well.

Responses for New Production Application for Small Domestic Wells

5. Written confirmation that applicant has obtained all necessary entitlements and permits including all applicable Federal, State, County, and local land use entitlements and other permits necessary to commence the New Production.

I have obtained all necessary entitlements and permits, except for the final County permit to install the well. That permit will be obtained after getting the Watermaster permission to New Production. Once approved, I will obtain a well permit from the County and retain a qualified driller with a California License C-57, who will secure any additional permits needed to drill my well, including the completion of a Department of Water Resources Well Completion Report.

6. Written confirmation that applicant has complied with applicable laws and regulations including all applicable Federal, State, County, and local laws, rules and regulations, including but not limited to, the California Environmental Quality Act (Public Resources Code §§ 21000, et. seq.).

I have complied with all applicable rules and regulations. Drilling of my domestic well qualifies for a Categorical Exemption under CEQA.

7. Preparation of a water conservation plan, approved and stamped by a California licensed and registered professional civil engineer with expertise in groundwater hydrology, demonstrating that the New Production will be designed, constructed and implemented consistent with California best water management practices.

This New Production will be put to reasonable and beneficial uses on my property where the well is located. It will only be used for single-family domestic uses. I have attached a completed Water Conservation Practices for Single Family Home Form.

8. Preparation of an analysis of the economic impact of the New Production on the Basin and other Producers in the Subarea of the Basin.

The economic impact will be de minimis since production will be less than 1 AFY and I will be paying a replacement water assessment to have an equal amount of water imported and recharged into the Basin.

9. Preparation of an analysis of the physical impact of the New Production on the Basin and other Producers in the Subarea of the Basin.

The physical impact on the Basin will be de minimis since production will be less than 1 AFY and I will be paying a replacement water assessment to have an equal amount of water imported and recharged into the Basin.

10. A written statement, signed by a California licensed and registered professional civil engineer with expertise in groundwater hydrology, determining that the New Production will not cause Material Injury.

The production will be less than 1 AFY. It will not cause a material injury to the basin since a replacement water assessment will be paid to have an equal amount of water imported and recharged into the Basin.

ABUNDANT WATER WELL, INC.

**Lic# 981850
P.O. BOX 700
LEONA VALLEY CA 93551
(661) 713-3443**

PROPOSED WORK:

DRILL 12 1/4" BORE HOLE

APPROX: 400'

SET 5" SDR 17

CASING WITH MILL

CERT PERFORATION .032

CENTRALIZERS PLACED AT 6' AND

51' BG

#5 BIRDS EYE PEA GRAVEL

FROM BOTTOM TO 50' BGS

TREMIE PUMP 10 SAC CEMENT BGS

SEAL 50' - 0' WITH 7' X 7' X 6"

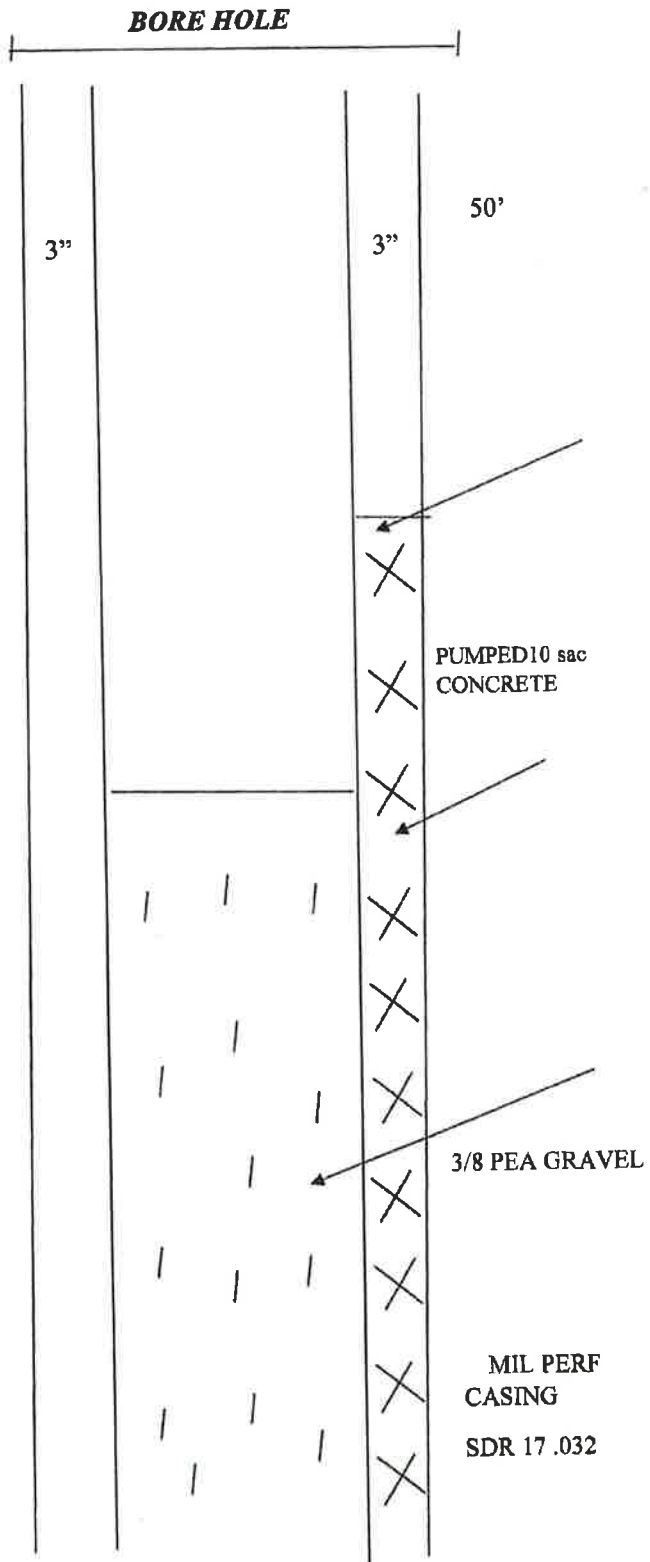
REINFORCED SLAB

AIRLIFT WELL MINIMUM

OF TWO HOURS

NAME: Ming Lin

APN#: 3384-007-007





APN 3384-007-007

Instant Transaction History Report

For Property Located At:

VAC/COR AVENUE I/80 DRT, ROOSEVELT CORNER CA 93535

APN: 3384-007-007

Owner Name: LIN MING



Transaction History Record # 1

Sale

Sale Recording Date:	10/26/2018	Sale Price:	\$74,000
Sale Date:	10/23/2018	Sale Price Type:	FULL
Rec. Document #:	1090995	Multi / Split Sale:	
Sale Instrument #:	000001090995	Document Type:	GRANT DEED
Sale Book / Page:		Title Company:	FIDELITY NATIONAL TITLE CO
Buyer1:	LIN MING	Corporate Buyer:	
Buyer2:			
Buyer3:			
Buyer4:			
Seller:	ACEH CAP LLC		

Transaction History Record # 2

Sale

Sale Recording Date:	01/11/2013	Sale Price:	\$204,714
Sale Date:	12/27/2012	Sale Price Type:	FULL
Rec. Document #:	52914	Multi / Split Sale:	
Sale Instrument #:	00000052914	Document Type:	TRUSTEE'S DEED (FORECLOSURE)
Sale Book / Page:		Title Company:	
Buyer1:	ACEH CAP LLC	Corporate Buyer:	Y
Buyer2:			
Buyer3:			
Buyer4:			
Seller:	ACEH CAPITAL LLC		

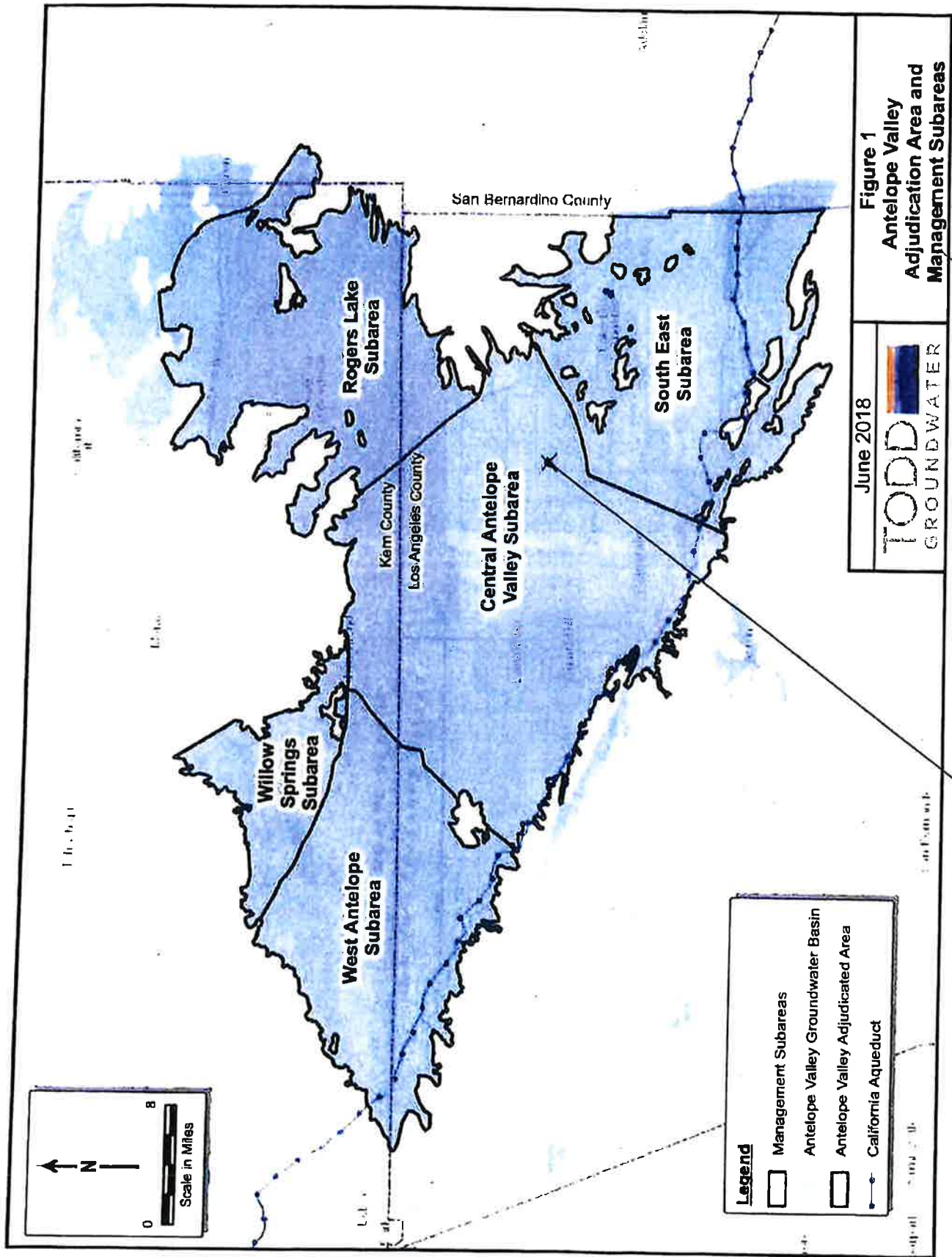
Transaction History Record # 3

Sale

Sale Recording Date:	06/11/1984	Sale Price:	\$59,500
Sale Date:		Sale Price Type:	PARTIAL
Rec. Document #:	689662	Multi / Split Sale:	
Sale Instrument #:	00000689662	Document Type:	DEED (REG)
Sale Book / Page:		Title Company:	
Buyer1:	CHANG JAVIER O	Corporate Buyer:	
Buyer2:	CHANG YVONNE		
Buyer3:			
Buyer4:			
Seller:			

Finance

Finance Status:		Mtg Loan Type:	PRIVATE PARTY LENDER
Mtg Recording Date:	06/11/1984	Mtg Rate Type:	
Mtg Document #:		Transfer Type:	RESALE
Mtg Document Type 1:		Mtg Term:	
Lender:		Mtg Rate:	
Loan Amount:	\$59,133	Borrower Vesting:	
Borrower 1:	CHANG JAVIER O	Trustee Name:	
Borrower 2:	CHANG YVONNE		
Borrower 3:			
Borrower 4:			



Approximate location of APN 3384-007-007

TODD GROUNDWATER

April 4, 2019

Robert Parris, Chair
Antelope Valley Watermaster Board

Re: APN# 3105-009-901 and APN# 3105-009-902 Los Angeles County Waterworks District No. 40 New Point of Extraction Well Applications

Watermaster Board:

Todd Groundwater has determined that the above-mentioned New Point of Extraction Well Applications for an Exhibit 4 Party in the Central Subarea are complete. Los Angeles County Waterworks District No. 40 would like to construct two new production wells to an approximate depth of 500 feet on Avenue H and 50th Street West in Lancaster to optimize the District's production capacity. It is anticipated that each well will have a capacity of 1,000 gpm and each will produce 1,200 AFY.

The new wells appear to be more than 3.5 miles from the nearest agricultural wells and about 2.6 miles from public water supply wells. Assuming a depth of 500 feet, it appears that the new wells will be screened above deeper clay layers at this location. Given these conditions and the small number of nearby wells, it is unlikely that use of the new wells will adversely impact the beneficial uses of existing wells. The new wells will be used to recover the District's current groundwater production rights, which have been incorporated into the Native Safe Yield; accordingly, the new wells do not represent new production and will not create overdraft conditions in the basin. The proposed wells are within the area of historical subsidence but are outside of the area where the highest historical subsidence has occurred – which is also an area with existing District wells. These two new wells allow a re-distribution of production over a slightly greater area and outside of the concentrated area of historical subsidence, which may be more beneficial to the basin than using existing wells for the District's full production rights.

In the absence of a numerical tool to assist with a Material Injury analysis, the above review is a reasonable approach to assessing potential impacts associated with these wells. Recognizing that the District will simply be shifting a portion of its annual production (totaled about 17,400 AFY in 2018) to these new wells, Todd Groundwater finds the potential for Material Injury as defined in the Judgment to be negligible.

Sincerely,



Phyllis Stanin

Todd Groundwater, Antelope Valley Watermaster Engineer



MARK PESTRELLA, Director

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

900 SOUTH FREMONT AVENUE
ALHAMBRA, CALIFORNIA 91803-1331
Telephone: (626) 458-5100
<http://dpw.lacounty.gov>

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1460
ALHAMBRA, CALIFORNIA 91802-1460

IN REPLY PLEASE
REFER TO FILE **WW-3**

March 18, 2019

Ms. Phyllis Stanin
Antelope Valley Watermaster
P.O. Box 3025
Quartz Hill, CA 93586

Dear Ms. Stanin:

LOS ANGELES COUNTY WATERWORKS DISTRICT NO. 40, ANTELOPE VALLEY APPLICATIONS FOR THE CONSTRUCTION OF GROUNDWATER EXTRACTION WELLS IN THE ANTELOPE VALLEY

The purpose of this letter is for the Los Angeles County Waterworks District No. 40, Antelope Valley (District), to apply for permission to construct and use two new groundwater extraction wells within the boundaries of the Antelope Valley Groundwater Basin (Basin). The District's groundwater production from these proposed wells and its existing wells will not exceed the production rights to which the District is entitled under the provisions of the Judgment and Physical Solution in the Antelope Valley Groundwater Cases (Judgment).

By way of background, the District encompasses roughly 554 square miles of land located in Northern Los Angeles County, most of which overlays the Basin. The District has a water supply portfolio consisting of groundwater pumped from the Basin by approximately 44 District-owned active wells along with purchased imported water from the Antelope Valley-East Kern Water Agency (AVEK).

On December 23, 2015, the Court entered the Judgment. Among other things, the Judgment sets forth the groundwater production rights of the parties to the action and physical solution to maintain and manage the Basin. The Judgment provides the District with groundwater production rights, including a nonoverlying right to 6,789 acre-feet/year, the right to produce a percentage of the unused Federal

Ms. Phyllis Stanin
March 18, 2019
Page 2

production right, and imported water return flows. The Judgment also provides the District with the ability to carry over and store nonproduced groundwater rights as well as store imported water within the Basin to be produced at a later time. Additionally, separate and apart from the Judgment, the District and AVEK have a lease agreement under which AVEK leases a percentage of its groundwater production rights to the District.

The District proposes to construct two new groundwater wells on Avenue H and 50th Street West in Lancaster as shown on the enclosed exhibit. The new wells will optimize the District's capacity to produce its adjudicated groundwater rights by, among other things, allowing the District to produce its in-lieu rights during dry years and as needed to maintain system integrity. This will increase water supply reliability and drought preparedness in the event of an interruption to or reduction of State Water Project deliveries or any other impacts on imported water conditions. The District is finalizing the design of the wells and seeks to start construction of the project by June 2020.

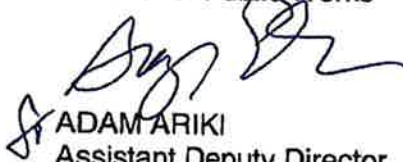
Since the District will continue to produce groundwater within its adjudicated production rights pursuant to the terms of the Judgment, the new wells will not cause significant or unreasonable material injury to the Basin or other parties to the Judgment.

Enclosed please find two applications and a check in the amount of \$700 for payment of application fees for the new groundwater extraction wells.

If you have any questions, please contact Mr. Greg Even, Waterworks Division, at (626) 300-3302 or geven@dpw.lacounty.gov.

Very truly yours,

MARK PESTRELLA
Director of Public Works


ADAM ARIKI
Assistant Deputy Director
Waterworks Division

SS:ea
h:\wwhome\admin\letters\2019\181 - groundwater extraction wells.doc

Enc.

NEW POINT OF EXTRACTION APPLICATION*
ANTELOPE VALLEY WATERMASTER

Attach application fee of \$350 for review and processing. Make check out to: Antelope Valley Watermaster (Application fee is reduced to \$150 for Small Pumper Class members pumping a total of <3 AFY)
Please mail to: Antelope Valley Watermaster, P.O. Box 3025, Quartz Hill, California 93586 OR email to: info@avwatermaster.net
Call Watermaster Administrative staff at 661-234-8233 with questions.

**This form is to be used by applicants with existing production rights to install a new well at a new point of extraction as defined by the Judgment. Please use the Replacement Well Application if the proposed well will be within 300 feet from an existing well from which the rights to produce groundwater originate. If new production rights are being requested, please use the New Production Application.*

Date March 06, 2019 Well Site APN# 3105009901
Property Owner/Well Owner Los Angeles County Waterworks District No. 40, Antelope Valley
Property Owner/Well Owner Mailing Address 1000 S. Fremont Ave, Alhambra, CA 91803
Property Address, if different than Owner's Address 4820 West Avenue H, Lancaster, CA 93536
Contact Phone Number (626) 300-3350 Contact email lduong@dpw.lacounty.gov
Owner's name as Appears in Antelope Valley Adjudication Judgment Los Angeles County Waterworks District No. 40
Production Rights as listed in Antelope Valley Adjudication Judgment 6,789.26 acre-feet/year

Driller Information

Drilling Company To be determined when project is awarded to contractor.
Drilling Company Address _____
Drilling Company Phone Number _____ Drilling Company email _____

Existing Well Information, if applicable and if not already provided to the Watermaster Engineer

Will the New Well replace an Existing Well? No Existing Well Latitude/Longitude (or x, y) _____
Will the New Well be used in order to stop sharing a well? _____ Please provide a copy of the shared well agreement.
Estimated future annual production of the Existing Well once the New Well has been constructed _____
Will the Existing Well be destroyed? _____ If not, why not? _____
Existing Well pumping capacity _____ gpm Average annual production from Existing Well _____ acre-feet/year
Use(s) of the Existing Well (agricultural, domestic, industrial, municipal, monitoring, etc.) _____
Status (active, inactive) _____
Existing Well construction date _____ Casing Materials _____ Casing Diameter _____ inches
Surface seal material and depth _____ Screened interval _____ feet below ground surface
Well Depth _____ feet Ground surface elevation _____ feet above mean sea level
Depth to water _____ feet

Please attach a copy of the DWR Well Completion Report, if available.

New Well Information

Will this be a New or Replacement Well? New Distance from Existing Well (please use the *New or Replacement Well Application for Existing Production Rights* form if the distance will be within 300 feet) _____

New Well Latitude/Longitude (or x, y) 34.7178818°, -118.2193197°

Use(s) of New Well (agricultural, domestic, industrial, municipal, monitoring, etc.) Special District

Estimated New Well pumping capacity 1,000 gpm Estimated annual production from New Well 1,200 acre-feet/year

Do other wells exist on this property? No If Yes, indicate if active, inactive, or abandoned and show on Site Plan

Will a meter be installed on the well at the time of construction? Yes if not, when will the meter be installed? _____

Proposed New Well Construction

➡ Please attach a diagram showing proposed well construction, including maximum well depth, casing diameter and materials, ground surface elevation, screen intervals, and estimated pumping capacity. A completed DWR Well Completion Report is required to be submitted to the Antelope Valley Watermaster upon completion of well.

Site Plan

➡ Please attach an 8½" by 11" paper site plan (legible hand written on Google map acceptable) with a north arrow and approximate scale to this application showing:

1. Location of site features, including major buildings, landscaped areas, all existing wells, roads, etc.
2. Locations of proposed well and existing well(s) with dimensions in feet from wells to nearest cross streets.

Material Injury (written statement not required for Small Pumper Class members requesting a combined total of <3 AFY)

➡ A written statement describing how the New Point of Extraction will not cause Material Injury. Material Injury could be in the form of significant and unreasonable 1. Chronic lowering of groundwater levels such that neighboring wells are impacted, 2. Reduction of groundwater storage, 3. Degraded water quality, 4. Land subsidence, 5. Depletions of interconnected surface water such that beneficial uses are impacted, or other adverse physical impact to the basin or to another Producer.

Signatures

I understand and agree to abide by the terms of the Antelope Valley Adjudication Judgment. I certify that the information given in this application is correct to the best of my knowledge and that the signature below, whether original, electronic, or photocopied, is authorized and valid, and is affixed with the intent to be enforceable. I understand that it is my responsibility, as the well owner, to notify the Antelope Valley Watermaster of any changes in the purpose or pumping capacity of this well, from which, is indicated on this application. I also understand that additional information may be required if there is a suspected potential for a material injury as defined in the Judgment.

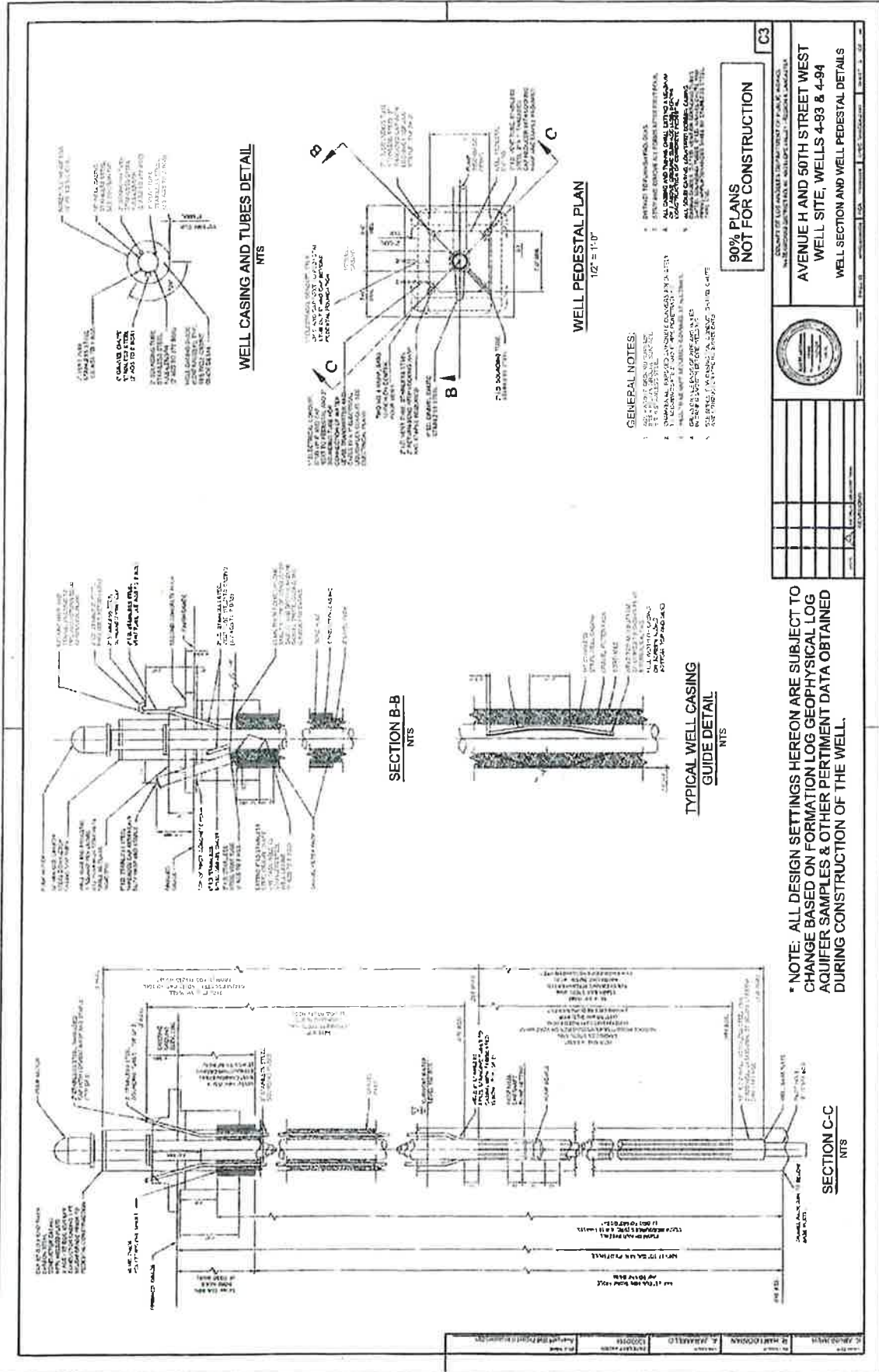
Signature of Property Owner/Well Owner [Signature] Date 3/18/19

Signature of Well Driller _____ Date _____

Signature of Consultant/Agent _____ Date _____

To be completed by the Watermaster:	
Watermaster Engineer Approval <u>[Signature]</u>	Date <u>4/4/19</u>
Watermaster Board Approval _____	Date _____

This application is not for a well construction permit; a completed and approved application must be submitted to the appropriate well permitting agency (e.g., Kern or Los Angeles Counties) for a well construction permit, if the well is to be installed within the Antelope Valley Adjudicated Area.

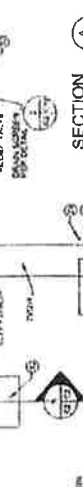
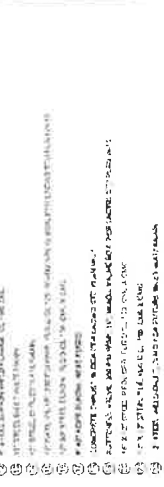


* NOTE: ALL DESIGN SETTINGS HEREON ARE SUBJECT TO CHANGE BASED ON FORMATION LOG, GEOPHYSICAL LOG, AQUIFER SAMPLES & OTHER PERTINENT DATA OBTAINED DURING CONSTRUCTION OF THE WELL.

PROJECT NO. 1200188	DATE 11/11/09	SCALE 12" = 1'-0"	SHEET NO. 22
DRAWN BY J. M. MURPHY	CHECKED BY J. M. MURPHY	APPROVED BY J. M. MURPHY	DATE 11/11/09

- CONSTRUCTION AND MATERIALS LIST**
- 1. ALL CONCRETE SHALL BE 3000 PSI STRENGTH.
 - 2. ALL REINFORCING SHALL BE #4 OR #5 BARS.
 - 3. ALL STEEL SHALL BE A36.
 - 4. ALL PIPE SHALL BE DUCTILE IRON.
 - 5. ALL VALVES SHALL BE 150 LB. CLASS.
 - 6. ALL JOINTS SHALL BE GASKETED.
 - 7. ALL OPENINGS SHALL BE PROPERLY FRAMED AND FINISHED.
 - 8. ALL UTILITIES SHALL BE DEEPER THAN THE DETENTION BASIN.
 - 9. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF CONCRETE.
 - 10. ALL UTILITIES SHALL BE IDENTIFIED BY MARKING.
 - 11. ALL UTILITIES SHALL BE MAINTAINED AT ALL TIMES.
 - 12. ALL UTILITIES SHALL BE REPAIRED IMMEDIATELY.
 - 13. ALL UTILITIES SHALL BE RELOCATED AS NECESSARY.
 - 14. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF CONCRETE.
 - 15. ALL UTILITIES SHALL BE IDENTIFIED BY MARKING.
 - 16. ALL UTILITIES SHALL BE MAINTAINED AT ALL TIMES.
 - 17. ALL UTILITIES SHALL BE REPAIRED IMMEDIATELY.
 - 18. ALL UTILITIES SHALL BE RELOCATED AS NECESSARY.

- NOTES**
- 1. DETENTION BASIN SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETENTION BASIN DETAIL.
 - 2. THE DETENTION BASIN SHALL BE CAPABLE OF HOLDING 100% OF THE DESIGN FLOW FOR A 24 HOUR PERIOD.
 - 3. THE DETENTION BASIN SHALL BE PROVIDED WITH A 30" DIA. INLET AND A 30" DIA. OUTLET.
 - 4. THE DETENTION BASIN SHALL BE PROVIDED WITH A 30" DIA. INLET AND A 30" DIA. OUTLET.
 - 5. THE DETENTION BASIN SHALL BE PROVIDED WITH A 30" DIA. INLET AND A 30" DIA. OUTLET.
 - 6. THE DETENTION BASIN SHALL BE PROVIDED WITH A 30" DIA. INLET AND A 30" DIA. OUTLET.
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 - 10. THE DETENTION BASIN SHALL BE PROVIDED WITH A 30" DIA. INLET AND A 30" DIA. OUTLET.



90% PLANS NOT FOR CONSTRUCTION

DETENTION BASIN DETAIL

SECTION

NTS

INTERCONNECTION NOTE:
 AFTER COMPLETION OF THE WATER MAIN MATERIALS CONTRACTING AND BEFORE THE DETENTION BASIN IS CONSTRUCTED, THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES AND SHALL PROVIDE THE CONTRACTOR WITH A RECORD DRAWING OF ALL UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL UTILITIES AND SHALL BE RESPONSIBLE FOR REPAIRING ANY UTILITIES DAMAGED BY THE DETENTION BASIN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A MINIMUM OF 18" OF CONCRETE PROTECTION FOR ALL UTILITIES UNDER THE DETENTION BASIN.

NO.	REVISION	DATE	BY	CHECKED

AVENUE H AND 50TH STREET WEST WELL SITE, WELLS 4-93 & 4-94

SITE PLAN

1" = 30'

DETENTION BASIN DETAIL

90% PLANS NOT FOR CONSTRUCTION

SECTION

NTS

1" = 30'

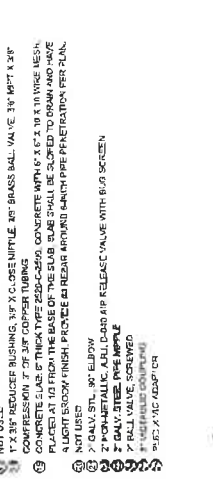
1" = 4'

1" = 4'

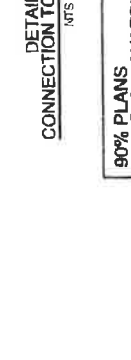
1" = 30'

CONSTRUCTION NOTES AND MATERIALS LIST (SEE SHEET 0411)

- 1) PUMP AND DISCHARGE HEAD
- 2) 8" ST. PIPE, 0.25" WALL, DUAL, D.L.E.P.
- 3) 8" FLEX FLANGE COUPLING ADAPTER WITH FLEXIBLE COUPLING TIES PER STD PLAN N-13
- 4) 1" THROUGH 4" PER DETAIL C
- 5) 2" STEEL WELD END FLANGE, 1/2" THICK, 6.04 AND 7.11 IS THE NUMBER OF SLOTTES APPROVED EQUAL
- 6) 3" SUPPLY AND 4" DISCHARGE, 1/2" THICK
- 7) CHECK VALVE, PLANGED O.L. 125
- 8) 8" GATE VALVE, 200 PSI PLANGED O.L. 125
- 9) 6" 90° ELBOW, STD. WEIGHT, D.O.L. & P.L. PLACES O.L. 151
- 10) 180° ELBOW, STD. WEIGHT, O.L. & P.L. PLACES O.L. 151
- 11) 180° ELBOW, STD. WEIGHT, O.L. & P.L. PLACES O.L. 151
- 12) 2" PIPE SUPPORT PER STD PLAN W-17
- 13) 1 1/2" ST. PIPE, SCH 40, D.L.E.P.
- 14) 1 1/2" ST. PIPE, SCH 40, D.L.E.P.
- 15) 1 1/2" ST. PIPE, SCH 40, D.L.E.P.
- 16) WELD SLAB AND PENETRANT PER STD PLAN A-23, EXCEPT AS SHOWN ON PLANS
- 17) SAWING TAP, SEE DETAIL E
- 18) NOT USED
- 19) 1 1/2" X 3/4" REDUCEE BUSHING, 1/4" X 3/8" CORE NIPPLE, 80% BRASS BALL VALVE, 3/4" WPT, 1.25" COMPRESSION, 7.29" O.D. COUPLER NUMBER OF COUPLERS TO BE 10 IN 10 WIDE WASH, CONCRETE WITH 1" x 1" x 10 WIDE WASH, 10 WIDE WASH SHALL BE SLOPED TO DRAIN AND HAVE PLACES AT 10 FEET FROM THE BASE OF THE SLAB. SLAB SHALL BE SLOPED TO DRAIN AND HAVE A LIGHT ENOUGH FINISH, PROVIDE A BEARING AROUND SANDY PIPE PENETRATION PER PLAN.
- 20) NOT USED
- 21) 2" GALV. STL. 90° ELBOW, STD. WEIGHT, D.O.L. & P.L. PLACES O.L. 151
- 22) 2" GALV. STL. 180° ELBOW, STD. WEIGHT, D.O.L. & P.L. PLACES O.L. 151
- 23) 2" GALV. STL. BALL VALVE, SCREWED
- 24) 1" VESTIBULAR COUPLING
- 25) 1" VESTIBULAR COUPLING
- 26) P.O.D. A-11-C ADAPTOR



WELL DISCHARGE PIPING DETAILS - PROFILE
SCALE: 1/2" = 1'

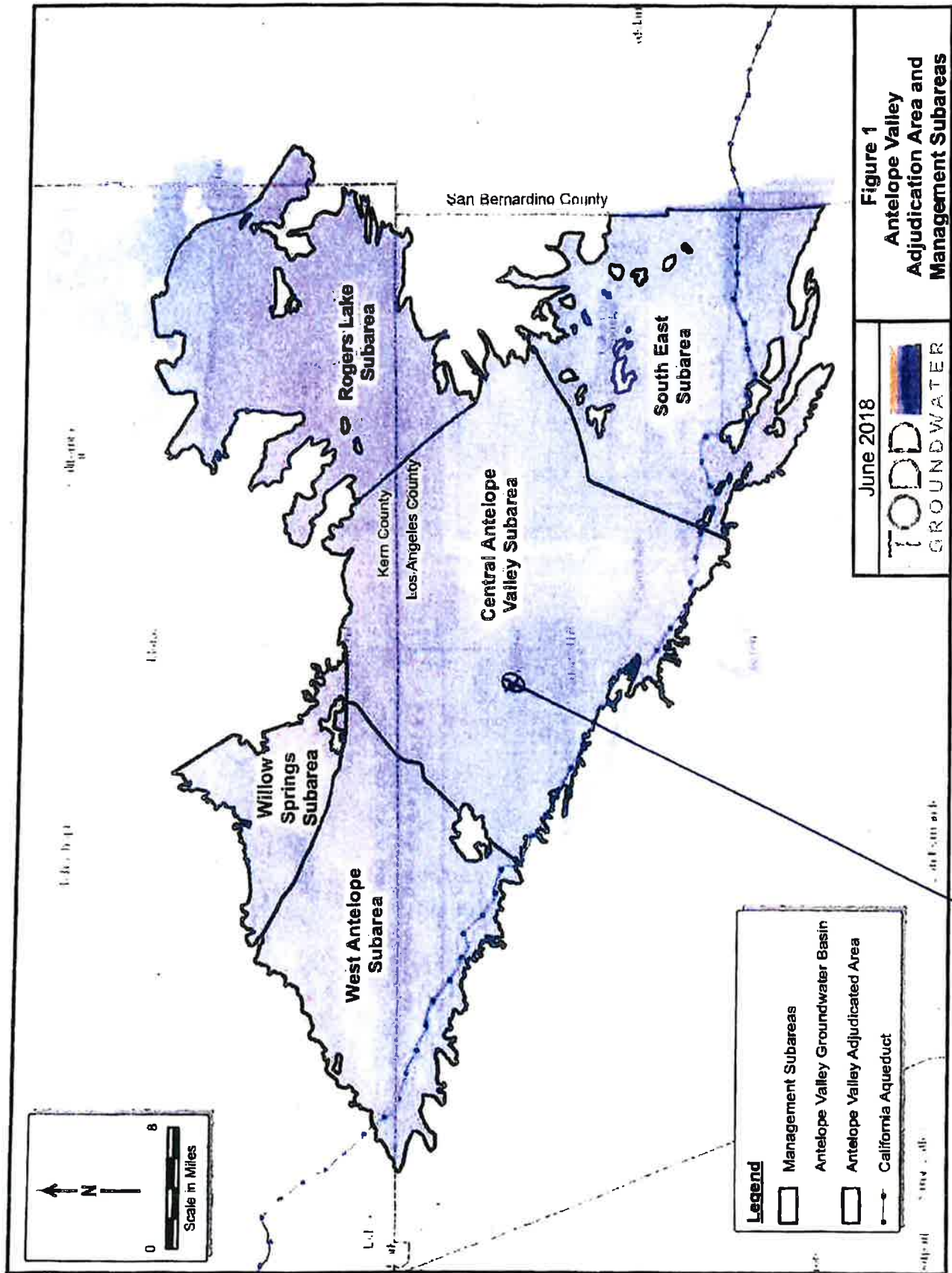


90% PLANS NOT FOR CONSTRUCTION

<p>COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS SANITATION DIVISION WELL CONSTRUCTION DETAIL PLAN</p>	
<p>AVENUE H AND 50TH STREET WEST WELL SITE, WELLS 4-93 & 4-94 WELL DISCHARGE PIPING PLAN SECTION AND DETAILS</p>	
<p>DATE: 10/18/11</p>	<p>SCALE: 1/2" = 1'</p>
<p>BY: [UNRECOGNIZABLE]</p>	<p>CHECKED: [UNRECOGNIZABLE]</p>
<p>APP: [UNRECOGNIZABLE]</p>	<p>DATE: [UNRECOGNIZABLE]</p>
<p>PROJECT NO: [UNRECOGNIZABLE]</p>	<p>DRAWING NO: [UNRECOGNIZABLE]</p>

WELL DISCHARGE PIPING DETAILS - PLAN
SCALE: 1/2" = 1'





Approximate location of APN 3105-009-901

NEW POINT OF EXTRACTION APPLICATION*
ANTELOPE VALLEY WATERMASTER

Attach application fee of \$350 for review and processing. Make check out to: Antelope Valley Watermaster (Application fee is reduced to \$150 for Small Pumper Class members pumping a total of <3 AFY)
Please mail to: Antelope Valley Watermaster, P.O. Box 3025, Quartz Hill, California 93586 OR email to: info@avwatermaster.net
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Date March 06, 2019 Well Site APN# 3105009902
Property Owner/Well Owner Los Angeles County Waterworks District No. 40, Antelope Valley
Property Owner/Well Owner Mailing Address 1000 S. Fremont Ave, Alhambra, CA 91803
Property Address, if different than Owner's Address 4820 West Avenue H, Lancaster, CA 93536
Contact Phone Number (626) 300-3350 Contact email lduong@dpw.lacounty.gov
Owner's name as Appears in Antelope Valley Adjudication Judgment Los Angeles County Waterworks District No. 40
Production Rights as listed in Antelope Valley Adjudication Judgment 6,789.26 acre-feet/year

Driller Information

Drilling Company To be determined when project is awarded to contractor.
Drilling Company Address _____
Drilling Company Phone Number _____ Drilling Company email _____

Existing Well Information, if applicable and if not already provided to the Watermaster Engineer

Will the New Well replace an Existing Well? No Existing Well Latitude/Longitude (or x, y) _____
Will the New Well be used in order to stop sharing a well? _____ Please provide a copy of the shared well agreement.
Estimated future annual production of the Existing Well once the New Well has been constructed _____
Will the Existing Well be destroyed? _____ If not, why not? _____
Existing Well pumping capacity _____ gpm Average annual production from Existing Well _____ acre-feet/year
Use(s) of the Existing Well (agricultural, domestic, industrial, municipal, monitoring, etc.) _____
Status (active, inactive) _____
Existing Well construction date _____ Casing Materials _____ Casing Diameter _____ inches
Surface seal material and depth _____ Screened interval _____ feet below ground surface
Well Depth _____ feet Ground surface elevation _____ feet above mean sea level
Depth to water _____ feet
Please attach a copy of the DWR Well Completion Report, if available.

New Well Information

Will this be a New or Replacement Well? New Distance from Existing Well (please use the *New or Replacement Well Application for Existing Production Rights* form if the distance will be within 300 feet) _____

New Well Latitude/Longitude (or x, y) 34.7185823°, -118.2178976°

Use(s) of New Well (agricultural, domestic, industrial, municipal, monitoring, etc.) Special District

Estimated New Well pumping capacity 1,000 gpm Estimated annual production from New Well 1,200 acre-feet/year

Do other wells exist on this property? No If Yes, Indicate if active, inactive, or abandoned and show on Site Plan

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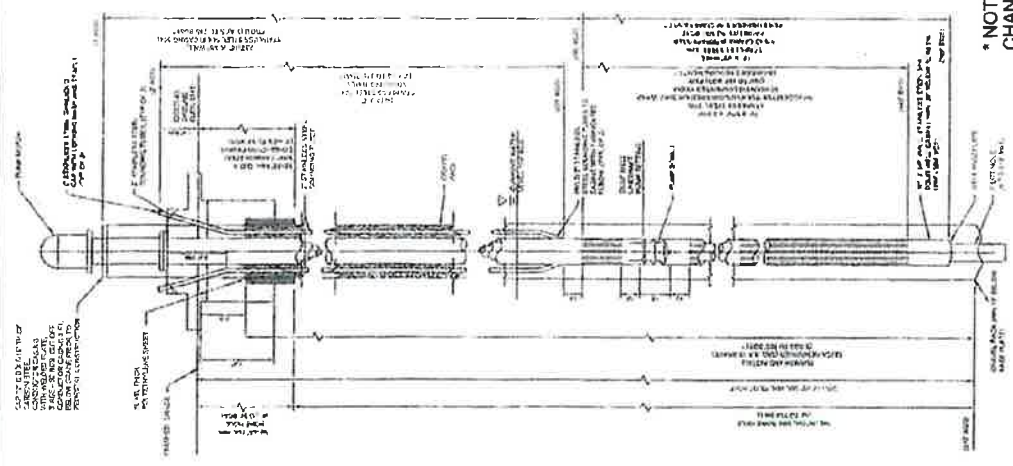
Signature of Property Owner/Well Owner [Signature] Date 3/18/19

Signature of Well Driller _____ Date _____

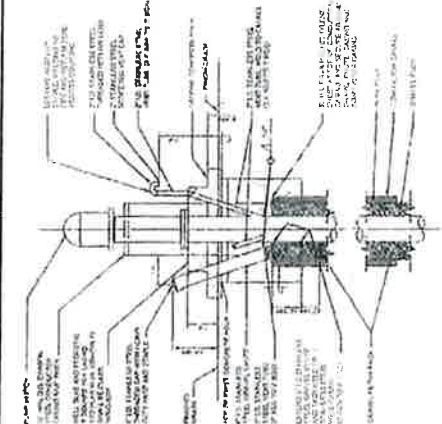
Signature of Consultant/Agent _____ Date _____

To be completed by the Watermaster:	
Watermaster Engineer Approval <u>[Signature]</u>	Date <u>4/4/19</u>
Watermaster Board Approval _____	Date _____

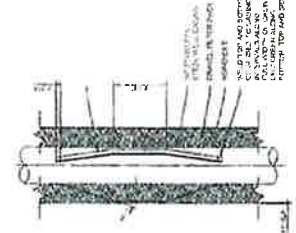
This application is not for a well construction permit; a completed and approved application must be submitted to the appropriate well permitting agency (e.g., Kern or Los Angeles Counties) for a well construction permit, if the well is to be installed within the Antelope Valley Adjudicated Area.



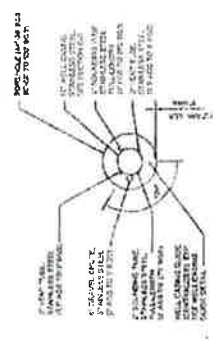
SECTION C-C
NTS



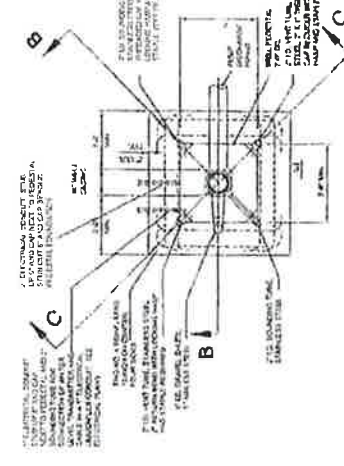
SECTION B-B
NTS



TYPICAL WELL CASING
GUIDE DETAIL
NTS



WELL CASING AND TUBES DETAIL
NTS



WELL PEDESTAL PLAN
1/2" = 1'-0"

GENERAL NOTES:

1. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE IN FEET AND INCHES.
2. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE TO FACE UNLESS OTHERWISE NOTED.
3. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE TO FACE UNLESS OTHERWISE NOTED.
4. ALL DIMENSIONS UNLESS OTHERWISE NOTED ARE TO FACE UNLESS OTHERWISE NOTED.
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90% PLANS
NOT FOR CONSTRUCTION

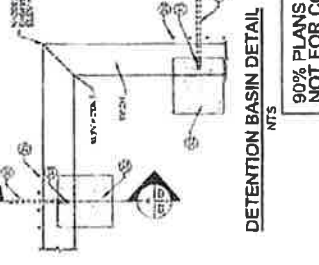
C3
COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
WELLS AND TUBES
AVENUE H AND 50TH STREET WEST
WELL SITE, WELLS 4-93 & 4-94
WELL SECTION AND WELL PEDESTAL DETAILS

NO.	REV.	DATE	DESCRIPTION

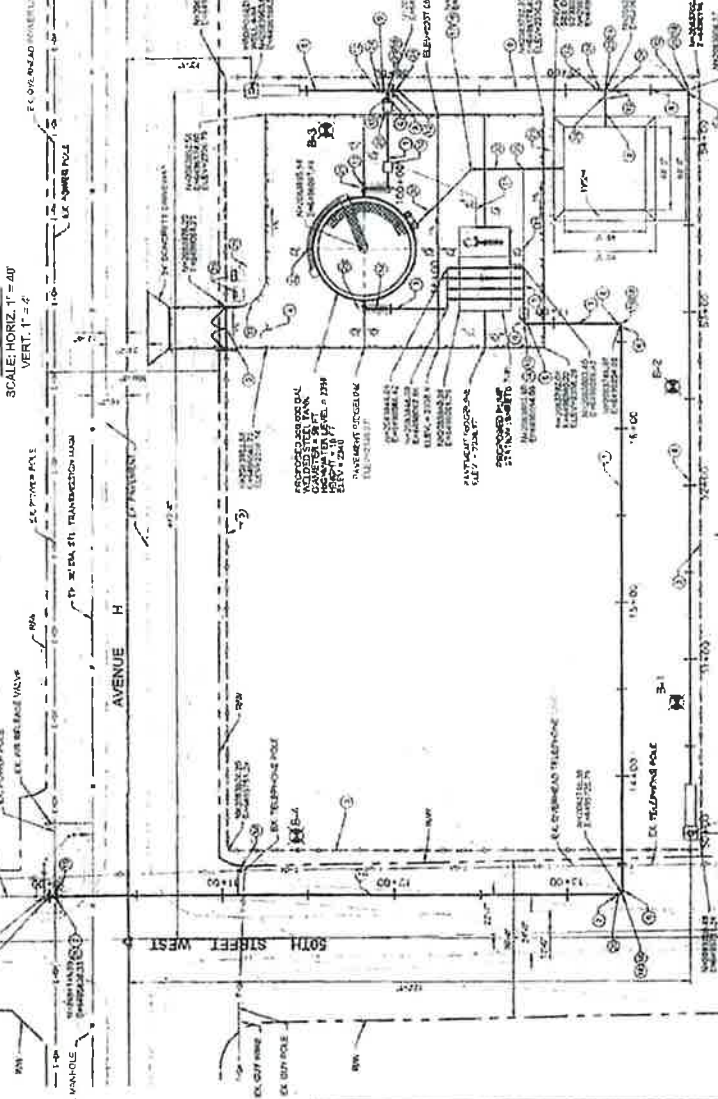
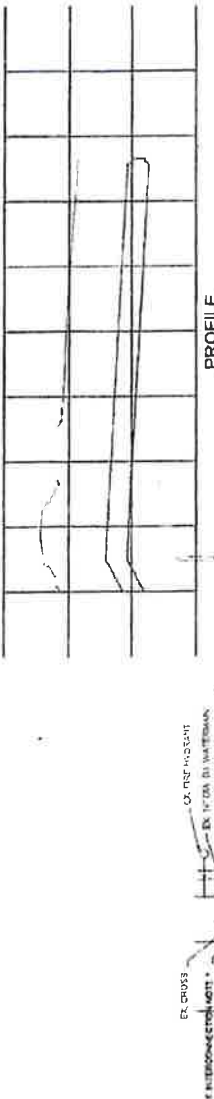
* NOTE: ALL DESIGN SETTINGS HEREON ARE SUBJECT TO CHANGE BASED ON FORMATION LOG GEOPHYSICAL LOG ACQUIFER SAMPLES & OTHER PERTINENT DATA OBTAINED DURING CONSTRUCTION OF THE WELL.

- CONSTRUCTION NOTES AND MATERIALS LIST**
1. ALL CONCRETE SHALL BE 3000 PSI COMPRESSIVE STRENGTH CONCRETE.
 2. ALL CONCRETE SHALL BE PLACED AND FINISHED WITHIN 24 HOURS OF POURING.
 3. ALL CONCRETE SHALL BE CURED FOR A MINIMUM OF 7 DAYS.
 4. ALL CONCRETE SHALL BE FINISHED WITH A BROOM FINISH UNLESS OTHERWISE NOTED.
 5. ALL CONCRETE SHALL BE FINISHED WITH A 1/4" RADIUS CHAMFER ON ALL CORNERS.
 6. ALL CONCRETE SHALL BE FINISHED WITH A 1/4" RADIUS CHAMFER ON ALL EDGES.
 7. ALL CONCRETE SHALL BE FINISHED WITH A 1/4" RADIUS CHAMFER ON ALL JOINTS.
 8. ALL CONCRETE SHALL BE FINISHED WITH A 1/4" RADIUS CHAMFER ON ALL REINFORCING BARS.
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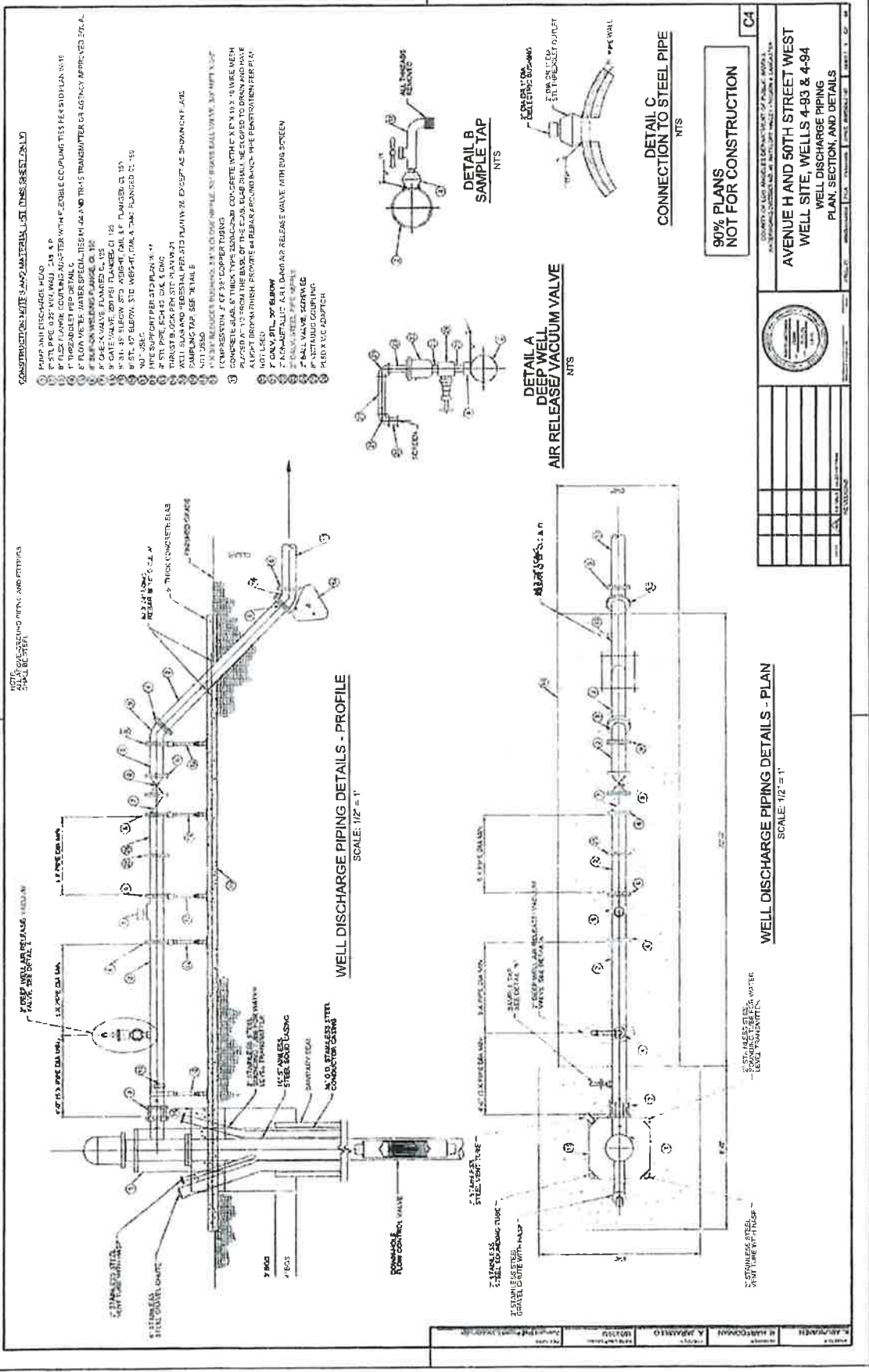
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COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
WATER CONSTRUCTION DIVISION
AVENUE H AND 50TH STREET WEST
WELL SITE, WELLS 4-93 & 4-94
SITE PLAN



INTERCONNECTION NOTE 1:
AFTER COMPLETION OF THE WATER MAIN INSTALLATION, WATER MAINS SHALL BE TESTED TO 150 PSI FOR LEAKS AND SHALL BE CLEANED AND DISINFECTED IN ACCORDANCE WITH SECTION 147 OF THE SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND COORDINATING ALL UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND COORDINATING ALL UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND COORDINATING ALL UTILITIES.

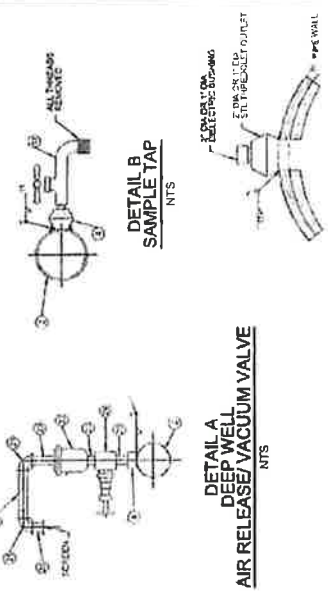


- CONSTRUCTION MATERIALS LIST (SEE SECTION D)**
- 1 1/2" DIA. DISCHARGE PIPING
 - 2 1/2" DIA. DISCHARGE PIPING
 - 3 1/2" DIA. DISCHARGE PIPING
 - 4 1/2" DIA. DISCHARGE PIPING
 - 5 1/2" DIA. DISCHARGE PIPING
 - 6 1/2" DIA. DISCHARGE PIPING
 - 7 1/2" DIA. DISCHARGE PIPING
 - 8 1/2" DIA. DISCHARGE PIPING
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 - 10 1/2" DIA. DISCHARGE PIPING
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 - 48 1/2" DIA. DISCHARGE PIPING
 - 49 1/2" DIA. DISCHARGE PIPING
 - 50 1/2" DIA. DISCHARGE PIPING

NOTE: ALL DIMENSIONS AND FITTINGS SHALL BE TO CENTER UNLESS OTHERWISE NOTED.

WELL DISCHARGE PIPING DETAILS - PROFILE
SCALE: 1/2" = 1'

WELL DISCHARGE PIPING DETAILS - PLAN
SCALE: 1/2" = 1'



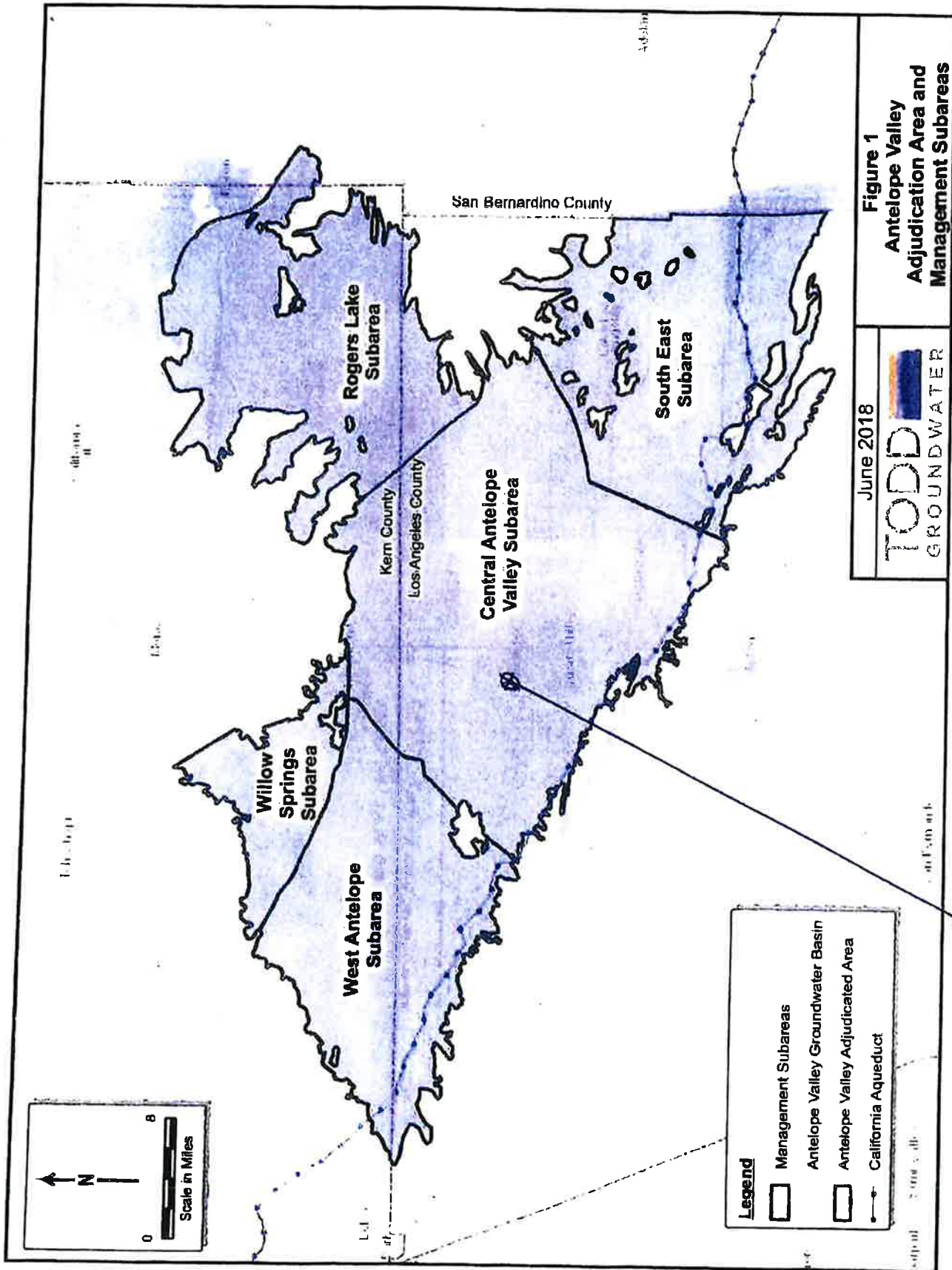
90% PLANS NOT FOR CONSTRUCTION

WELL DISCHARGE PIPING PLAN, SECTION, AND DETAILS

AVENUE H AND 50TH STREET WEST WELL SITE, WELLS 4-93 & 4-94

COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
SOLID WASTE DIVISION
WELL SITE DESIGN AND CONSTRUCTION

DATE: 12/15/00
SCALE: 1/2" = 1'



Approximate location of APN 3105-009-902



April 4, 2019

Robert Parris, Chair
Antelope Valley Watermaster Board

Re: APN# 3105-009-901 and APN# 3105-009-902 Los Angeles County Waterworks District No. 40 New Point of Extraction Well Applications

Watermaster Board:

Todd Groundwater has determined that the above-mentioned New Point of Extraction Well Applications for an Exhibit 4 Party in the Central Subarea are complete. Los Angeles County Waterworks District No. 40 would like to construct two new production wells to an approximate depth of 500 feet on Avenue H and 50th Street West in Lancaster to optimize the District's production capacity. It is anticipated that each well will have a capacity of 1,000 gpm and each will produce 1,200 AFY.

The new wells appear to be more than 3.5 miles from the nearest agricultural wells and about 2.6 miles from public water supply wells. Assuming a depth of 500 feet, it appears that the new wells will be screened above deeper clay layers at this location. Given these conditions and the small number of nearby wells, it is unlikely that use of the new wells will adversely impact the beneficial uses of existing wells. The new wells will be used to recover the District's current groundwater production rights, which have been incorporated into the Native Safe Yield; accordingly, the new wells do not represent new production and will not create overdraft conditions in the basin. The proposed wells are within the area of historical subsidence but are outside of the area where the highest historical subsidence has occurred – which is also an area with existing District wells. These two new wells allow a re-distribution of production over a slightly greater area and outside of the concentrated area of historical subsidence, which may be more beneficial to the basin than using existing wells for the District's full production rights.

In the absence of a numerical tool to assist with a Material Injury analysis, the above review is a reasonable approach to assessing potential impacts associated with these wells. Recognizing that the District will simply be shifting a portion of its annual production (totalled about 17,400 AFY in 2018) to these new wells, Todd Groundwater finds the potential for Material Injury as defined in the Judgment to be negligible.

Sincerely,

A handwritten signature in cursive script that reads "Phyllis A. Stanin".

Phyllis Stanin

Todd Groundwater, Antelope Valley Watermaster Engineer



MARK PESTRELLA, Director

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

900 SOUTH FREMONT AVENUE
ALHAMBRA, CALIFORNIA 91803-1331
Telephone: (626) 458-5100
<http://dpw.lacounty.gov>

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1460
ALHAMBRA, CALIFORNIA 91802-1460

IN REPLY PLEASE

REFER TO FILE: **WW-3**

March 18, 2019

Ms. Phyllis Stanin
Antelope Valley Watermaster
P.O. Box 3025
Quartz Hill, CA 93586

Dear Ms. Stanin:

LOS ANGELES COUNTY WATERWORKS DISTRICT NO. 40, ANTELOPE VALLEY APPLICATIONS FOR THE CONSTRUCTION OF GROUNDWATER EXTRACTION WELLS IN THE ANTELOPE VALLEY

The purpose of this letter is for the Los Angeles County Waterworks District No. 40, Antelope Valley (District), to apply for permission to construct and use two new groundwater extraction wells within the boundaries of the Antelope Valley Groundwater Basin (Basin). The District's groundwater production from these proposed wells and its existing wells will not exceed the production rights to which the District is entitled under the provisions of the Judgment and Physical Solution in the Antelope Valley Groundwater Cases (Judgment).

By way of background, the District encompasses roughly 554 square miles of land located in Northern Los Angeles County, most of which overlays the Basin. The District has a water supply portfolio consisting of groundwater pumped from the Basin by approximately 44 District-owned active wells along with purchased imported water from the Antelope Valley-East Kern Water Agency (AVEK).

On December 23, 2015, the Court entered the Judgment. Among other things, the Judgment sets forth the groundwater production rights of the parties to the action and physical solution to maintain and manage the Basin. The Judgment provides the District with groundwater production rights, including a nonoverlying right to 6,789 acre-feet/year, the right to produce a percentage of the unused Federal

Ms. Phyllis Stanin
March 18, 2019
Page 2

production right, and imported water return flows. The Judgment also provides the District with the ability to carry over and store nonproduced groundwater rights as well as store imported water within the Basin to be produced at a later time. Additionally, separate and apart from the Judgment, the District and AVEK have a lease agreement under which AVEK leases a percentage of its groundwater production rights to the District.

The District proposes to construct two new groundwater wells on Avenue H and 50th Street West in Lancaster as shown on the enclosed exhibit. The new wells will optimize the District's capacity to produce its adjudicated groundwater rights by, among other things, allowing the District to produce its in-lieu rights during dry years and as needed to maintain system integrity. This will increase water supply reliability and drought preparedness in the event of an interruption to or reduction of State Water Project deliveries or any other impacts on imported water conditions. The District is finalizing the design of the wells and seeks to start construction of the project by June 2020.

Since the District will continue to produce groundwater within its adjudicated production rights pursuant to the terms of the Judgment, the new wells will not cause significant or unreasonable material injury to the Basin or other parties to the Judgment.

Enclosed please find two applications and a check in the amount of \$700 for payment of application fees for the new groundwater extraction wells.

If you have any questions, please contact Mr. Greg Even, Waterworks Division, at (626) 300-3302 or geven@dpw.lacounty.gov.

Very truly yours,

MARK PESTRELLA
Director of Public Works


ADAM ARIKI
Assistant Deputy Director
Waterworks Division

SS:ea
h:\wwhome\admin\letters\2019\1r161 - groundwater extraction wells.doc

Enc.

NEW POINT OF EXTRACTION APPLICATION*
ANTELOPE VALLEY WATERMASTER

Attach application fee of \$350 for review and processing. Make check out to: Antelope Valley Watermaster (Application fee is reduced to \$150 for Small Pumper Class members pumping a total of <3 AFY)
Please mail to: Antelope Valley Watermaster, P.O. Box 3025, Quartz Hill, California 93586 OR email to: info@avwatermaster.net
Call Watermaster Administrative staff at 661-234-8233 with questions.

**This form is to be used by applicants with existing production rights to install a new well at a new point of extraction as defined by the Judgment. Please use the Replacement Well Application if the proposed well will be within 300 feet from an existing well from which the rights to produce groundwater originate. If new production rights are being requested, please use the New Production Application.*

Date March 06, 2019 Well Site APN# 3105009901
Property Owner/Well Owner Los Angeles County Waterworks District No. 40, Antelope Valley
Property Owner/Well Owner Mailing Address 1000 S. Fremont Ave, Alhambra, CA 91803
Property Address, if different than Owner's Address 4820 West Avenue H, Lancaster, CA 93536
Contact Phone Number (626) 300-3350 Contact email lduong@dpw.lacounty.gov
Owner's name as Appears in Antelope Valley Adjudication Judgment Los Angeles County Waterworks District No. 40
Production Rights as listed in Antelope Valley Adjudication Judgment 6,789.26 acre-feet/year

Driller Information

Drilling Company To be determined when project is awarded to contractor.
Drilling Company Address _____
Drilling Company Phone Number _____ Drilling Company email _____

Existing Well Information, if applicable and if not already provided to the Watermaster Engineer

Will the New Well replace an Existing Well? No Existing Well Latitude/Longitude (or x, y) _____
Will the New Well be used in order to stop sharing a well? _____ **Please provide a copy of the shared well agreement.**
Estimated future annual production of the Existing Well once the New Well has been constructed _____
Will the Existing Well be destroyed? _____ If not, why not? _____
Existing Well pumping capacity _____ gpm Average annual production from Existing Well _____ acre-feet/year
Use(s) of the Existing Well (agricultural, domestic, industrial, municipal, monitoring, etc.) _____
Status (active, inactive) _____
Existing Well construction date _____ Casing Materials _____ Casing Diameter _____ inches
Surface seal material and depth _____ Screened interval _____ feet below ground surface
Well Depth _____ feet Ground surface elevation _____ feet above mean sea level
Depth to water _____ feet

Please attach a copy of the DWR Well Completion Report, if available.

New Well Information

Will this be a New or Replacement Well? New Distance from Existing Well (please use the *New or Replacement Well Application for Existing Production Rights* form if the distance will be within 300 feet) _____

New Well Latitude/Longitude (or x, y) 34.7178818°, -118.2193197°

Use(s) of New Well (agricultural, domestic, industrial, municipal, monitoring, etc.) Special District

Estimated New Well pumping capacity 1,000 gpm Estimated annual production from New Well 1,200 acre-feet/year

Do other wells exist on this property? No If Yes, Indicate if active, inactive, or abandoned and show on Site Plan

Will a meter be installed on the well at the time of construction? Yes If not, when will the meter be installed? _____

Proposed New Well Construction

➡ Please attach a diagram showing proposed well construction, including maximum well depth, casing diameter and materials, ground surface elevation, screen intervals, and estimated pumping capacity. A completed DWR Well Completion Report is required to be submitted to the Antelope Valley Watermaster upon completion of well.

Site Plan

➡ Please attach an 8½" by 11" paper site plan (legible hand written on Google map acceptable) with a north arrow and approximate scale to this application showing:

1. Location of site features, including major buildings, landscaped areas, all existing wells, roads, etc.
2. Locations of proposed well and existing well(s) with dimensions in feet from wells to nearest cross streets.

Material Injury (written statement not required for Small Pumper Class members requesting a combined total of <3 AFY)

➡ A written statement describing how the New Point of Extraction will not cause Material Injury. Material Injury could be in the form of significant and unreasonable 1. Chronic lowering of groundwater levels such that neighboring wells are impacted, 2. Reduction of groundwater storage, 3. Degraded water quality, 4. Land subsidence, 5. Depletions of interconnected surface water such that beneficial uses are impacted, or other adverse physical impact to the basin or to another Producer.

Signatures

I understand and agree to abide by the terms of the Antelope Valley Adjudication Judgment. I certify that the information given in this application is correct to the best of my knowledge and that the signature below, whether original, electronic, or photocopied, is authorized and valid, and is affixed with the intent to be enforceable. I understand that it is my responsibility, as the well owner, to notify the Antelope Valley Watermaster of any changes in the purpose or pumping capacity of this well, from which, is indicated on this application. I also understand that additional information may be required if there is a suspected potential for a material injury as defined in the Judgment.

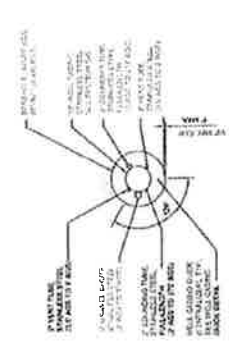
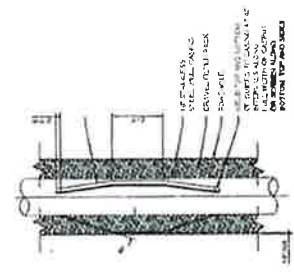
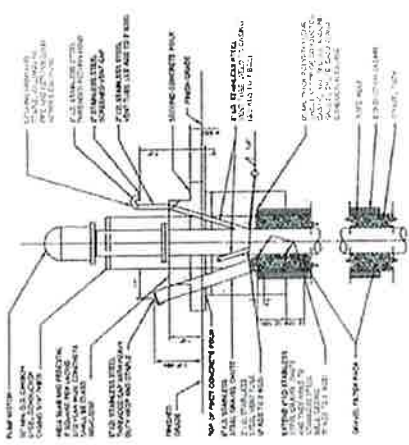
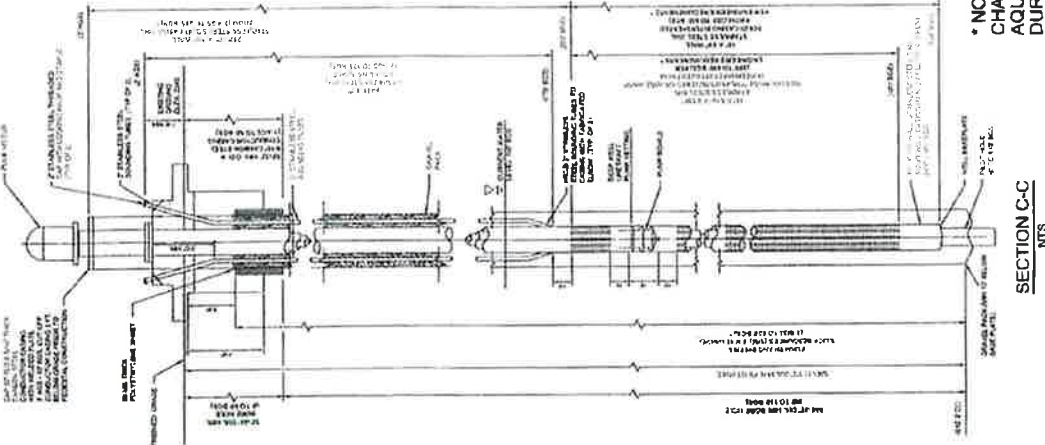
Signature of Property Owner/Well Owner [Signature] Date 3/18/19

Signature of Well Driller _____ Date _____

Signature of Consultant/Agent _____ Date _____

To be completed by the Watermaster:	
Watermaster Engineer Approval <u>[Signature]</u>	Date <u>4/4/19</u>
Watermaster Board Approval _____	Date _____

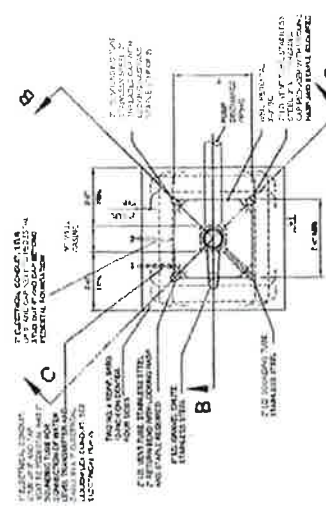
This application is not for a well construction permit; a completed and approved application must be submitted to the appropriate well permitting agency (e.g., Kern or Los Angeles Counties) for a well construction permit, if the well is to be installed within the Antelope Valley Adjudicated Area.



WELL CASING AND TUBES DETAIL
NTS

SECTION B-B
NTS

TYPICAL WELL CASING
GUIDE DETAIL
NTS



WELL PEDESTAL PLAN
1/2" = 1'-0"

GENERAL NOTES:

1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, PART 400, AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION OF PUBLIC WORKS, PART 100, AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION OF WATER SUPPLY SYSTEMS, PART 100.
2. THE PEDESTAL SHALL BE CONSTRUCTED OF CONCRETE AND SHALL BE FINISHED WITH A SMOOTH SURFACE.
3. THE PEDESTAL SHALL BE CONSTRUCTED TO A HEIGHT OF 4'-0\"/>

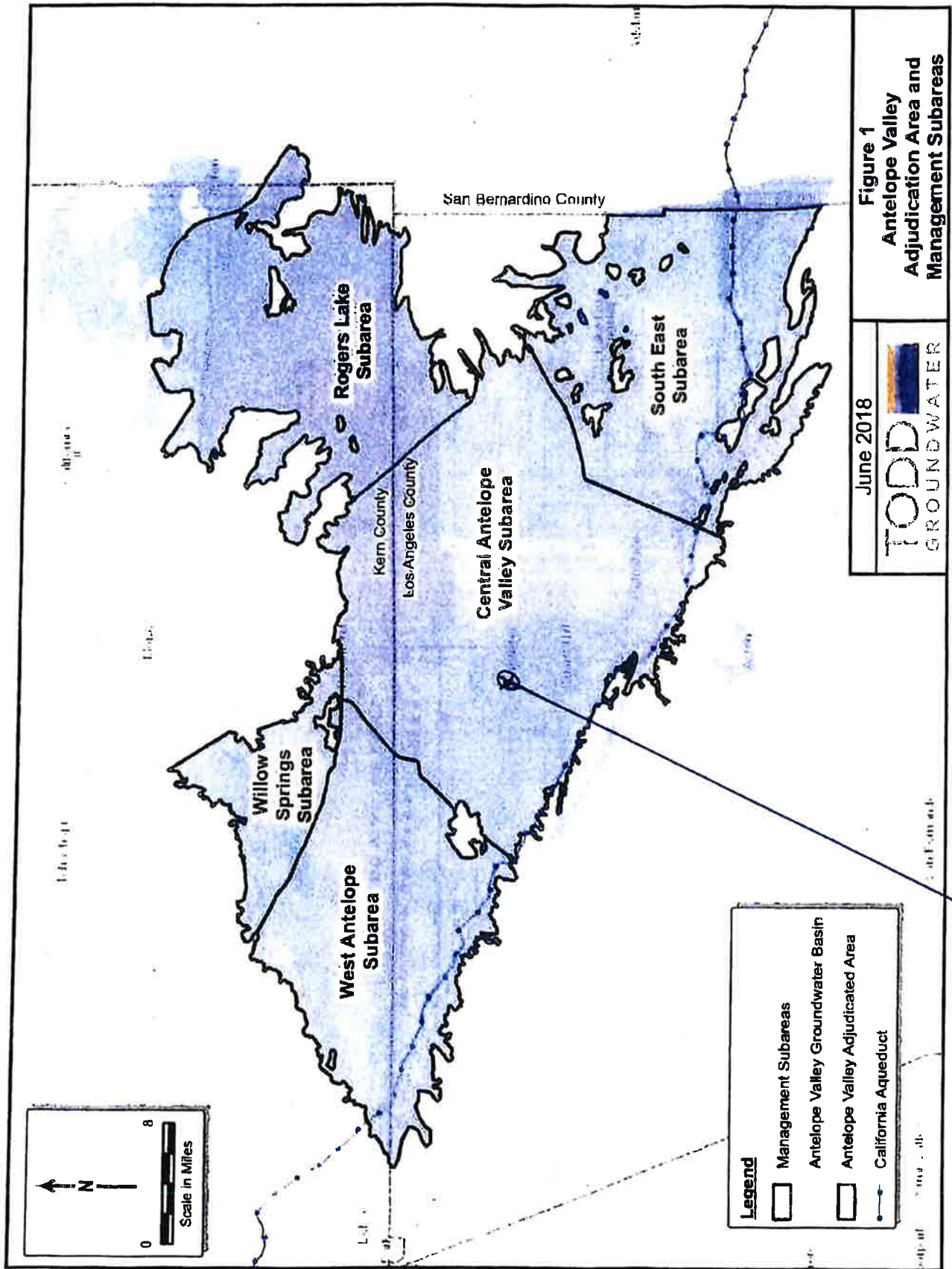
90% PLANS
NOT FOR CONSTRUCTION



C3
COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
AVENUE H AND 50TH STREET WEST
WELL SITE, WELLS 4-93 & 4-94
WELL SECTION AND WELL PEDESTAL DETAILS

* NOTE: ALL DESIGN SETTINGS HEREON ARE SUBJECT TO CHANGE BASED ON FORMATION LOG GEOPHYSICAL LOG ACQUIFER SAMPLES & OTHER PERTINENT DATA OBTAINED DURING CONSTRUCTION OF THE WELL.

SECTION C-C
NTS



NEW POINT OF EXTRACTION APPLICATION*

ANTELOPE VALLEY WATERMASTER

Attach application fee of \$350 for review and processing. Make check out to: Antelope Valley Watermaster

(Application fee is reduced to \$150 for Small Pumper Class members pumping a total of <3 AFY)

Please mail to: Antelope Valley Watermaster, P.O. Box 3025, Quartz Hill, California 93586 OR email to: info@avwatermaster.net

Call Watermaster Administrative staff at 661-234-8233 with questions.

**This form is to be used by applicants with existing production rights to install a new well at a new point of extraction as defined by the Judgment. Please use the Replacement Well Application if the proposed well will be within 300 feet from an existing well from which the rights to produce groundwater originate. If new production rights are being requested, please use the New Production Application.*

Date March 06, 2019 Well Site APN# 3105009902
Property Owner/Well Owner Los Angeles County Waterworks District No. 40, Antelope Valley
Property Owner/Well Owner Mailing Address 1000 S. Fremont Ave, Alhambra, CA 91803
Property Address, if different than Owner's Address 4820 West Avenue H, Lancaster, CA 93536
Contact Phone Number (626) 300-3350 Contact email lduong@dpw.lacounty.gov
Owner's name as Appears in Antelope Valley Adjudication Judgment Los Angeles County Waterworks District No. 40
Production Rights as listed in Antelope Valley Adjudication Judgment 6,789.26 acre-feet/year

Driller Information

Drilling Company To be determined when project is awarded to contractor.
Drilling Company Address _____
Drilling Company Phone Number _____ Drilling Company email _____

Existing Well Information, if applicable and if not already provided to the Watermaster Engineer

Will the New Well replace an Existing Well? No Existing Well Latitude/Longitude (or x, y) _____
Will the New Well be used in order to stop sharing a well? _____ Please provide a copy of the shared well agreement.
Estimated future annual production of the Existing Well once the New Well has been constructed _____
Will the Existing Well be destroyed? _____ If not, why not? _____
Existing Well pumping capacity _____ gpm Average annual production from Existing Well _____ acre-feet/year
Use(s) of the Existing Well (agricultural, domestic, industrial, municipal, monitoring, etc.) _____
Status (active, inactive) _____
Existing Well construction date _____ Casing Materials _____ Casing Diameter _____ inches
Surface seal material and depth _____ Screened interval _____ feet below ground surface
Well Depth _____ feet Ground surface elevation _____ feet above mean sea level
Depth to water _____ feet
Please attach a copy of the DWR Well Completion Report, if available.

New Well Information

Will this be a New or Replacement Well? New Distance from Existing Well (please use the *New or Replacement Well Application for Existing Production Rights* form if the distance will be within 300 feet) _____

New Well Latitude/Longitude (or x, y) 34.7185823°, -118.2178976°

Use(s) of New Well (agricultural, domestic, industrial, municipal, monitoring, etc.) Special District

Estimated New Well pumping capacity 1,000 gpm Estimated annual production from New Well 1,200 acre-feet/year

Do other wells exist on this property? No If Yes, Indicate if active, inactive, or abandoned and show on Site Plan

Will a meter be installed on the well at the time of construction? Yes If not, when will the meter be installed? _____

Proposed New Well Construction

➔ Please attach a diagram showing proposed well construction, including maximum well depth, casing diameter and materials, ground surface elevation, screen intervals, and estimated pumping capacity. A completed DWR Well Completion Report is required to be submitted to the Antelope Valley Watermaster upon completion of well.

Site Plan

➔ Please attach an 8½" by 11" paper site plan (legible hand written on Google map acceptable) with a north arrow and approximate scale to this application showing:

1. Location of site features, including major buildings, landscaped areas, all existing wells, roads, etc.
2. Locations of proposed well and existing well(s) with dimensions in feet from wells to nearest cross streets.

Material Injury (written statement not required for Small Pumper Class members requesting a combined total of <3 AFY)

➔ A written statement describing how the New Point of Extraction will not cause Material Injury. Material Injury could be in the form of significant and unreasonable 1. Chronic lowering of groundwater levels such that neighboring wells are impacted, 2. Reduction of groundwater storage, 3. Degraded water quality, 4. Land subsidence, 5. Depletions of interconnected surface water such that beneficial uses are impacted, or other adverse physical impact to the basin or to another Producer.

Signatures

I understand and agree to abide by the terms of the Antelope Valley Adjudication Judgment. I certify that the information given in this application is correct to the best of my knowledge and that the signature below, whether original, electronic, or photocopied, is authorized and valid, and is affixed with the intent to be enforceable. I understand that it is my responsibility, as the well owner, to notify the Antelope Valley Watermaster of any changes in the purpose or pumping capacity of this well, from which, is indicated on this application. I also understand that additional information may be required if there is a suspected potential for a material injury as defined in the Judgment.

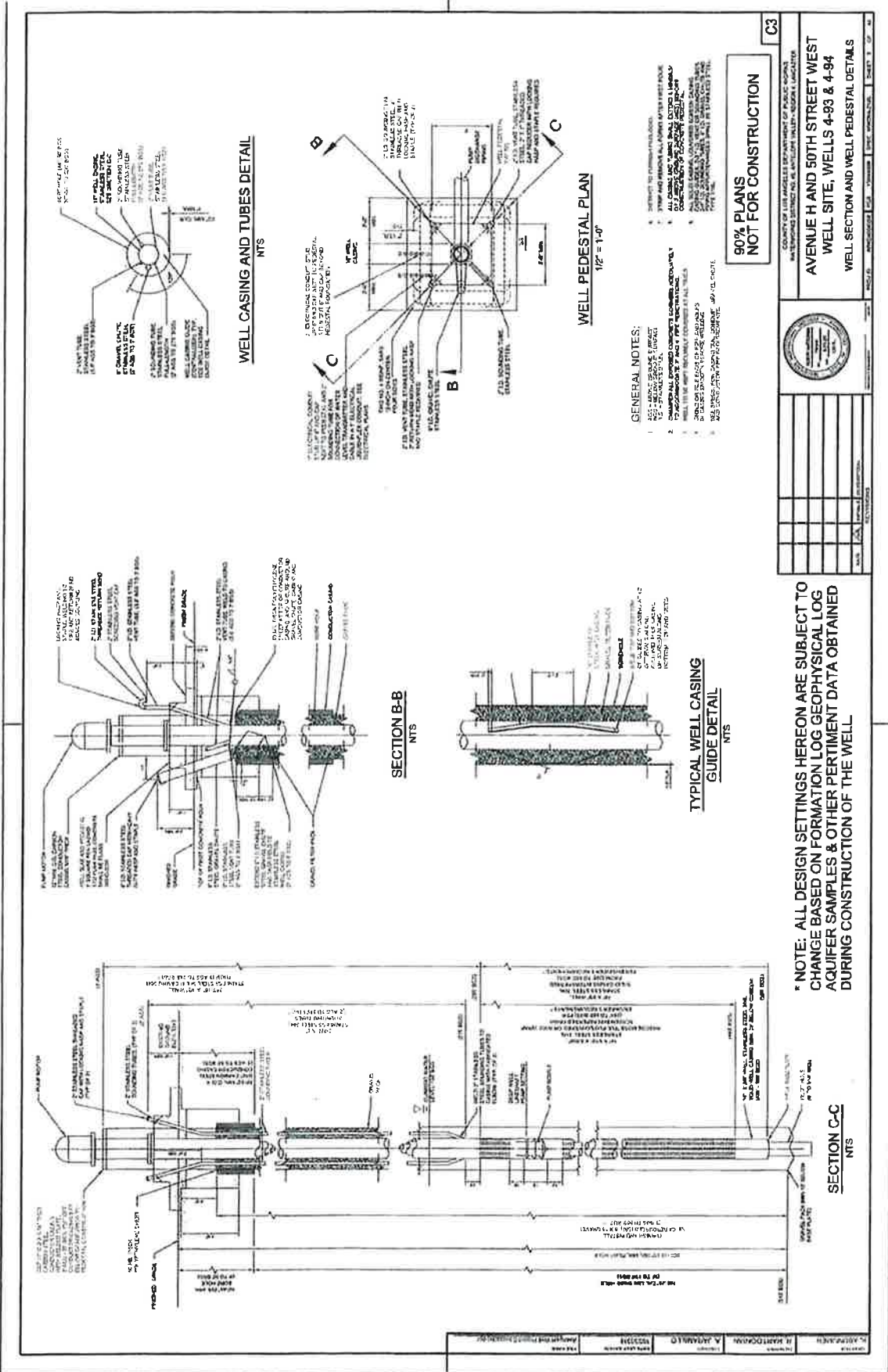
Signature of Property Owner/Well Owner [Signature] Date 3/18/19

Signature of Well Driller _____ Date _____

Signature of Consultant/Agent _____ Date _____

To be completed by the Watermaster:	
Watermaster Engineer Approval <u>[Signature]</u>	Date <u>4/4/19</u>
Watermaster Board Approval _____	Date _____

This application is not for a well construction permit; a completed and approved application must be submitted to the appropriate well permitting agency (e.g., Kern or Los Angeles Counties) for a well construction permit, if the well is to be installed within the Antelope Valley Adjudicated Area.



**90% PLANS
NOT FOR CONSTRUCTION**

C3

COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
WELL PERMITS DIVISION

**AVENUE H AND 50TH STREET WEST
WELL SITE, WELLS 4-93 & 4-94**

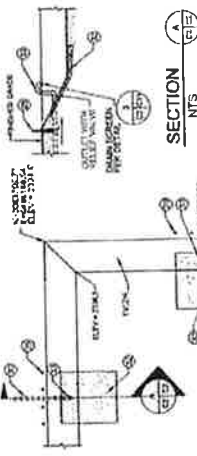
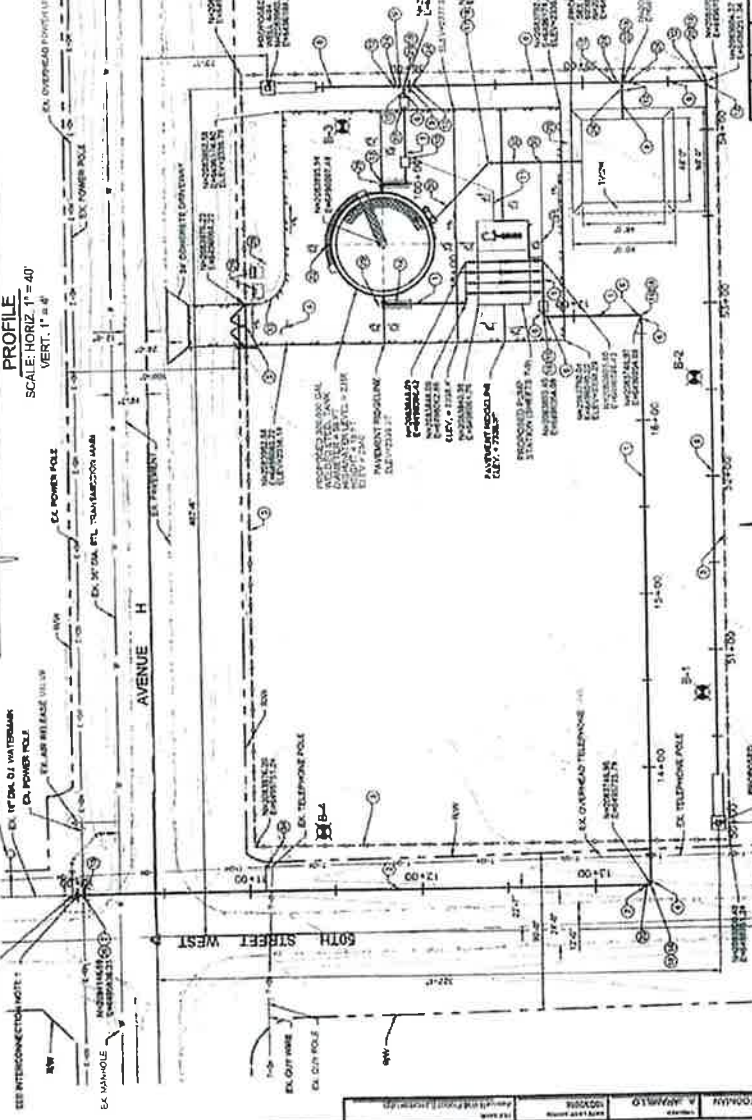
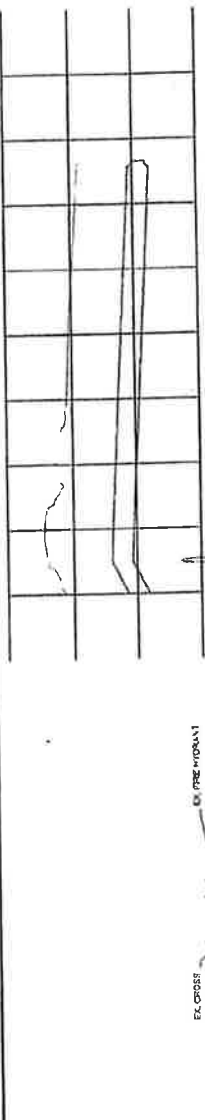
WELL SECTION AND WELL PEDESTAL DETAILS

DATE: 10/15/2010
DRAWN: J. GARCIA
CHECKED: J. GARCIA
APPROVED: J. GARCIA

*** NOTE: ALL DESIGN SETTINGS HEREON ARE SUBJECT TO CHANGE BASED ON FORMATION LOG GEOPHYSICAL LOG ACQUIFER SAMPLES & OTHER PERTINENT DATA OBTAINED DURING CONSTRUCTION OF THE WELL**

CONSTRUCTION NOTES AND MATERIAL LIST

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90% PLANS NOT FOR CONSTRUCTION

DETENTION BASIN DETAIL

SECTION NTS

90% PLANS NOT FOR CONSTRUCTION

90% PLANS NOT FOR CONSTRUCTION

90% PLANS NOT FOR CONSTRUCTION

INTERCONNECTION NOTE 1:
 AFTER COMPLETION OF THE WATER MAIN INSTALLATION, THE CONTRACTOR SHALL ACTUALLY COMPLETE THE WATER MAIN INSTALLATION AND SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE WATER MAINS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE WATER MAINS AND SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE WATER MAINS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE WATER MAINS AND SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE WATER MAINS.

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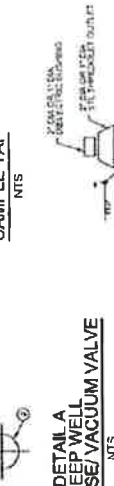
CONSTRUCTION NOTES AND MATERIAL LIST - SHEET C040

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NOTES:
 ALL AIR RELEASE PIPING AND FITTINGS SHALL BE STEEL.
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WELL DISCHARGE PIPING DETAILS - PROFILE
 SCALE: 1/2" = 1'

WELL DISCHARGE PIPING DETAILS - PLAN
 SCALE: 1/2" = 1'



90% PLANS NOT FOR CONSTRUCTION

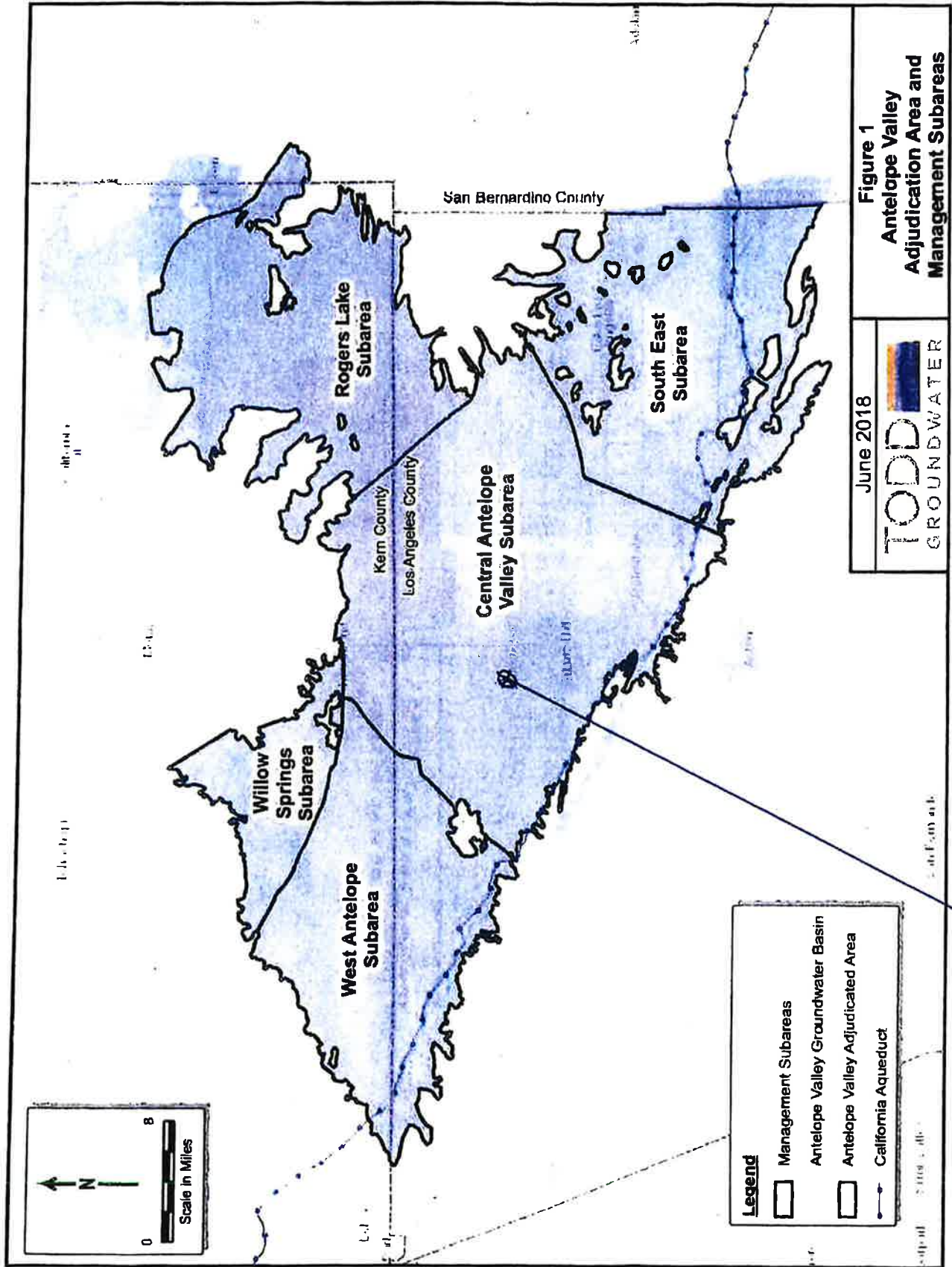
CA

COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
 100 SOUTH MAIN STREET, 10TH FLOOR
 LOS ANGELES, CALIFORNIA 90012

**AVENUE H AND 50TH STREET WEST
 WELL SITE, WELLS 4-93 & 4-94**

**WELL DISCHARGE PIPING
 PLAN, SECTION, AND DETAILS**

NO.	DATE	BY	CHKD.



Approximate location of APN 3105-009-902

Regular Meeting
April 24, 2019

Resolution No. R-19-09
Transfer Applications

RESOLUTION NO. R-19-09

APPROVING APPLICATIONS FOR TRANSFERS PURSUANT TO THE TERMS OF THE JUDGMENT; ATTACHED EXHIBIT A

WHEREAS, the Antelope Valley Watermaster, formed by the Antelope Valley Groundwater Cases Final Judgment (“Judgment”), Santa Clara Case No. 1-05-CV-049053 signed December 23, 2015, is to administer the Judgment; and

WHEREAS, a process for considering and approving applications for transfers is set forth in the Judgment and in the Rules and Regulations relating to transfers contained in the Memorandum from Todd Groundwater to the Watermaster Board dated May 14, 2018 and unanimously adopted by the Board pursuant to Resolution No. R-18-19; and

WHEREAS, the Watermaster Engineer is authorized under the Judgment to recommend to the Watermaster Board that applications for transfers be denied or approved and that approval may be pursuant to certain conditions; and

WHEREAS, pursuant to the terms of the Judgment, the Watermaster Engineer is required to make certain findings and to consider, investigate and recommend to the Watermaster Board denial or approval, or approval with certain conditions, of these applications consistent with the terms of the Judgment; and

WHEREAS, the Watermaster Engineer has reviewed all the applications listed on attached Exhibit A and has made the appropriate findings that all conditions for transfers under the Judgment and the Rules and Regulations have been satisfied, and that no Material Injury will result from the proposed transfers; and

WHEREAS, the Watermaster Board has considered and adopts the findings and recommendations of the Watermaster Engineer and is prepared to approve the applications listed on Exhibit A pursuant to any conditions recommended by the Watermaster Engineer and so noted on Exhibit A.

NOW, THEREFORE, BE IT RESOLVED, that the Watermaster Board unanimously approves the applications for transfers listed on attached Exhibit A to this Resolution as being consistent with the terms of the Judgment and applicable Rules and Regulations.

I certify that this is a true copy of Resolution No. R-19-09 as passed by the Board of Directors of the Antelope Valley Watermaster at its meeting held April 24, 2019, in Palmdale, California.

Date: _____

Robert Parris, Chairman

ATTEST: _____
Patricia Rose – Secretary

Exhibit A Attachment to
Resolution No. R-19-09
Approving Applications for Transfers
Pursuant to the Terms of the Judgment

Original Producer	Transferee	Type of Transfer	Amount (AFY)	Original Parcel(s) (APN#)	Parcels Water Transferred to (APN#)
Craig and Marta Van Dam	Antelope Valley Country Club	One-Time Transfer of 2018 Carryover	400	3220-006-097 3384-001-001 3384-001-003	3005-004-081 3005-003-028 3005-003-028 3005-003-029



April 2, 2019

Robert Parris, Chair
Antelope Valley Watermaster Board

Re: Van Dam to Antelope Valley Country Club Transfer

Watermaster Board:

Todd Groundwater finds that the attached application for a one-time transfer of 400 AF from Craig and Marta Van Dam to the Antelope Valley Country Club is complete. At the end of 2018, the Van Dams had 922.2 AF of Carry Over water.

Recognizing that this is a one-time transfer within the Central Antelope Valley Subarea and that this water will likely be used by the Antelope Valley Country Club to offset replacement water assessments, Todd Groundwater finds the potential for Material Injury as defined in the Judgment negligible.

Sincerely,

A handwritten signature in blue ink that reads "Phyllis A. Stanin".

Phyllis Stanin

Todd Groundwater, Antelope Valley Watermaster Engineer

TRANSFER REQUEST FORM

ANTELOPE VALLEY WATERMASTER

Please include an application fee according to the fee schedule posted on the Watermaster website:
<https://avwatermaster.net>. Make check out to: Antelope Valley Watermaster
 Mail to: Antelope Valley Watermaster, P.O. Box 3025, Quartz Hill, California 93586 OR email to: info@avwatermaster.net
 Call Watermaster Administrative staff at 661-234-8233 with questions. *Transfer Requests review could take up to 60 days.*

PERMANENT TRANSFER? Yes or (No) or TEMPORARY/ONE-TIME TRANSFER? (Yes) or No
 IF TRANSFER DUE TO CHANGE IN LAND OWNERSHIP, PLEASE ATTACH DEED AS PROOF OF SALE OR A PRELIMINARY TITLE REPORT

Date Requested March 3, 2019 Amount Requested 400 AF Carryover acre-feet
 If Temporary, Calendar Year(s) to be Used 10 year period starting in 2019
 Which Party will be paying the annual Administrative Assessment(s) for the transferred water? N/A - Carryover
 Is either Party a member of the Antelope Valley United Mutuals Group? Yes or No

TRANSFER FROM (SELLER/TRANSFEROR):

Name Craig & Marta Van Dam Street Address 7316 W Avenue D-8
 City Lancaster State Ca Zip Code 93536
 Phone _____ email avfarming@yahoo.com
 APN#(s) where transfer originates (i.e., production well location(s)) 3220-006-097, 3384-001-001, 3384-001-003,

APN#(s) (or water supply service area) where groundwater was used 3220-006-097, 3384-001-001, 3384-001-003,

TRANSFER TO (BUYER/TRANSFeree):

Name Antelope Valley Country Club Street Address 39800 Country Club Drive
 City Palmdale State CA Zip Code 93551
 Phone (661) 947-3142 email deanavcc@gmail.com

Note: Legal notices under the Judgment will be sent to the above email address. You are required to keep this information up to date. Please notify the Watermaster of any changes.

APN#(s) (or water supply service area) where transfer will be pumped and used Antelope Valley Country Club
3005-004-081, 3005-003-026, 3005-003-027, 3005-003-028, 3005-003-029

Purpose of Transfer:

- Permanent Transfer resulting from Property Sale/Transfer [PLEASE ATTACH DEED OR PRELIMINARY TITLE REPORT]
- Additional Source of Water
- Other, explain 400 AF of 2018's Carryover Water

Water is to be Transferred from/to: (transferred water retains its original water type):

- Current Year Production Right: amount _____ acre-feet
- Carry Over Water: amount 922.2 (available) acre-feet
- Storage: amount _____ acre-feet
- Other, explain _____

(Transferred water retains its original water type – e.g., transferred Carry Over Water remains Carry Over water)

WATER QUALITY AND WATER LEVELS (not required if transfer is in association of change of land ownership)

Are Parties aware of any water quality issues that exist in either the area transferred from or to? Yes or No
If yes, please explain: See attached water analysis report

Please provide groundwater elevations in the areas affected by the transfer. _____

Are Parties aware of any water level issues that exist in either the area transferred from or to? Yes or No
If yes, please explain: _____

MAPS

➔ Please include a map of the area where the water was used by the Transferor and a map of the area where the water is intended to be used by the Transferee. Include locations of production facilities involved in or affected by the Transfer. This map can include all possible locations of past source and use and future source and use.

SECURITY INTEREST OR LIENHOLDERS

For Permanent Transfers, please provide a list of all parties with a recorded security interest, deed of trust or a lien in such real property or in crops growing or to be grown thereon, and attach copies of written notices to such parties and copies of return receipts. _____

The transfer shall be conditioned upon:

1. Transferee shall succeed to the right of Transferor under the terms of the Judgment.
2. Transferee shall only use Transferred waters for reasonable and beneficial uses.
3. Any Transferee not already a Party to the Judgment must intervene and become a Party to the Judgment.
4. All applicable assessments (Administrative and Balance) and transfer fees are paid in full.
5. If the Watermaster determines that the transfer has resulted in a material injury, the parties will be required to work with the Watermaster Board to mitigate that material injury.
6. For Permanent Transfers, the Parties agree to duly record in the office of the appropriate County Recorder a document reflecting the Permanent Transfer reflected in this Transfer Form.

SIGNATURES

I understand and agree to abide by the terms of the Antelope Valley Adjudication Judgment. I certify that the information provided on this Transfer Request Form is correct to the best of my knowledge and that the signature below, whether original, electronic, or photocopied, is authorized and valid, and is affixed with the intent to be enforceable. I understand that it is my responsibility to notify the Antelope Valley Watermaster of any changes in any of the information provided on this form within 15 days. I also understand that additional information may be required if there is a suspected potential for a material injury as defined in the Judgment.

Signature of Transferor Greg Van Dam Date 3-5-19

Signature of Transferee Dan Tual Date 4-11-19

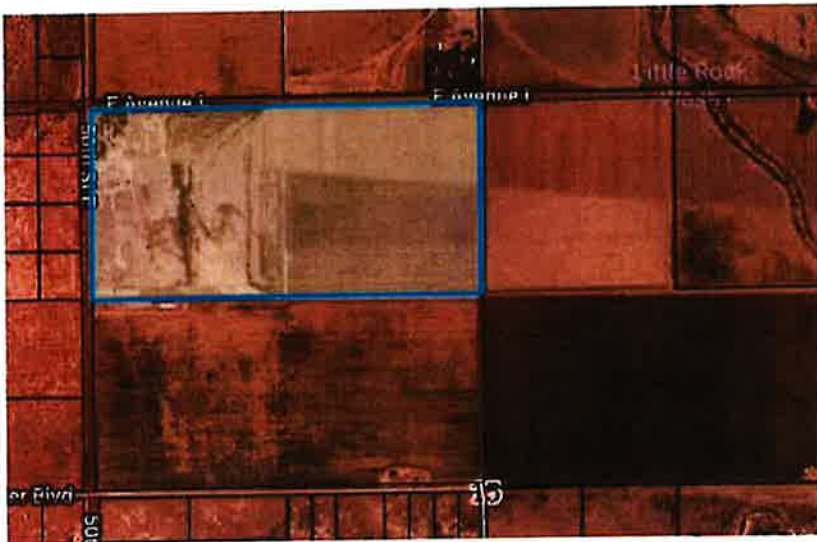
To be completed by the Watermaster:	
Watermaster Engineer Approval _____	Date _____
Watermaster Board Approval _____	Date _____

Transfer from Craig & Marta Van Dam

APN 3220-006-097



APN 3384-001-001



APN 3384-001-003



Transfer to Antelope Valley Country Club

APN 3005-004-081



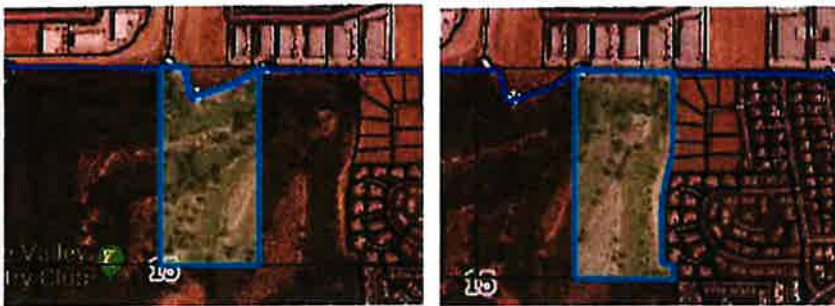
APN 3005-003-026

APN 3005-003-027



APN 3005-003-028

APN 3005-003-029



BROOKSIDE LABORATORIES, INC.

** WATER ANALYSIS REPORT **

REP Consulting
12380 Duquette Ave NE
Hartsville, OH 44632

File Number: 21016
Date Received: 6/16/2017
Date Reported: 6/19/2017

Submitted By: REP Consulting, Inc.

Lab Number	1518
Sample Location	ANTELOPE VALLEY
Sample Description	C.C. WELL

pH		8.09	
Hardness	(ppm)	131.73	
Hardness	(grains/gal)	7.70	
Conductivity	(mmhos/cm)	0.78	
Sodium Adsorp. Ratio		3.93	
Adjusted SAR		6.64	
Adjusted RNA		4.36	pHc of 8.0 is neutral.
pHc		7.71	Anything below this is a big depositor.
Residual Sodium Carbonate (RSC)		0.32	

		(ppm)	meq/l	lbs/ac in
Calcium	(Ca)	45.76	2.28	10.38
Magnesium	(Mg)	4.20	0.35	0.95
Potassium	(K)	2.10	0.05	0.48
Sodium	(Na) < 70	103.70	4.51	23.52
Iron	(Fe)	< 0.10		
Total Alkalinity	(CaCO ₃)	147.56		33.47
Carbonate	(CO ₃)	17.14	0.57	3.89
Bicarbonate	(HCO ₃) 140-180	145.20	2.38	32.93
Hydroxide	(OH) marginal	0.00		
Chloride	(Cl)	67.40	1.90	15.29
Sulfur as	(SO ₄)	101.22	2.11	22.96
Salt Concentration	(TDS)	496.64		112.64
Boron	(B)	0.08		0.02
Cation/Anion Ratio			1.03	

COMMENTS:

The sodium is a little on the high side but can be controlled with gypsum. The problem with both greens and fairways is the potash levels have fallen too low. Whenever you let the base saturation levels of sodium exceed potash, the osmotic pressure causes the moisture to move out of the plant.

Reviewed by: 

Vid-Pac

Wellbore Video Report

Welenco, Inc.
A Division of Water Well Technology, Inc.

Company Rottman Pump Co. Job Ticket 8954 Run No. 1
Address _____ Well No. A.V. Country Club
City _____ State _____ Zip _____ Survey Date 3-12-08
Requested by Danny P.O. _____ Well Owner _____
Copy to _____ Camera CCV55 Long
Reason for Survey GENERAL INSPECTION Zero Datum T.O.C.
Operator FRANK RICHARDS Well Depth _____ Vehicle No. T-03

Location A.V. Golfcourse Country Club
Casing I.D. at Surface 13 1/2" I.D. Reference MEASURED Build-Up MODERATE

SELECTED WELLBORE SNAPSHOTS	TRUE DEPTHS	WELLBORE/CASING INFORMATION
	0	CAMERA ZEROED @ Top of casing.
Survey Start Time: _____	478	STATIC WATER LEVEL.
Survey End Time: _____	490	SIDESCAN CASING (water cloudy)
	552	SIDESCAN CASING (water cloudy)
	557	SIDESCAN slotted PERTS.
	662	SIDESCAN slotted PERTS partly open.
	660	SIDESCAN CASING
	710	SIDESCAN CASING
	770	SIDESCAN CASING
	810	SIDESCAN CASING
	870	SIDESCAN CASING
	906	SIDESCAN CASING
	938	Bottom of well fill 940' end of survey.

34.36760
118.08039

Regular Meeting
April 24, 2019

Resolution No. R-19-10
2018 Replacement Water Assessment
PWD and LCID

RESOLUTION NO. R-19-10

ADOPTING REPLACEMENT WATER ASSESSMENTS FOR YEAR 2018 FOR PALMDALE WATER DISTRICT AND LITTLEROCK IRRIGATION DISTRICT

WHEREAS, the Antelope Valley Watermaster, formed by the Antelope Valley Groundwater Cases Final Judgment (“Judgment”), Santa Clara Case No. 1-05-CV-049053 signed December 23, 2015, is to administer the Judgment; and

WHEREAS, the Judgment provides that the Watermaster shall calculate, assess and collect Replacement Water Assessments pursuant to Section 9.2 of the Judgment; and

WHEREAS, the Watermaster has taken and considered public comment on the issue and has calculated that a Replacement Water Assessment of \$415 an acre foot for Producers within the service area of the Palmdale Water District, and a Replacement Water Assessment of \$415 an acre foot for Producers within the service area of the Littlerock Irrigation District, are consistent with the terms of the Judgment and are based on the actual cost of Replacement Water, including Watermaster spreading costs; and

WHEREAS, these Producers will also be responsible for applicable Administrative Assessments in addition to a Replacement Water Assessment.

NOW, THEREFORE, BE IT RESOLVED, that the Watermaster Board unanimously adopts a Replacement Water Assessment for Year 2018 in the amount of \$415 an acre foot for Producers within the service area of the Palmdale Water District, and a Replacement Water Assessment in the amount of \$415 an acre foot for Producers within the service area of the Littlerock Irrigation District.

I certify that this is a true copy of Resolution No. R-19-10 as passed by the Board of Directors of the Antelope Valley Watermaster at its meeting held April 24, 2019, in Palmdale, California.

Date: _____

Robert Parris, Chairman

ATTEST: _____
Patricia Rose – Secretary

Regular Meeting
April 24, 2019

**Resolution No. R-19-11
2019 Replacement Water Assessment**

RESOLUTION NO. R-19-11

ADOPTING REPLACEMENT WATER ASSESSMENTS FOR YEAR 2019

WHEREAS, the Antelope Valley Watermaster, formed by the Antelope Valley Groundwater Cases Final Judgment (“Judgment”), Santa Clara Case No. 1-05-CV-049053 signed December 23, 2015, is to administer the Judgment; and

WHEREAS, the Judgment provides that the Watermaster shall calculate, assess and collect Replacement Water Assessments pursuant to Section 9.2 of the Judgment; and

WHEREAS, the Watermaster has taken and considered public comment on the issue and has calculated that a Replacement Water Assessment of \$451 an acre foot for Producers within the Antelope Valley State Water Contractors Association (“AVSWCA”) boundaries, and a Replacement Water Assessment of \$948 an acre foot for Producers outside the AVSWCA boundaries which is reflective of the proportional share of State Water Project fixed costs applicable to those Producers outside the AVSWCA boundaries, are consistent with the terms of the Judgment and are based on the actual cost of Replacement Water, including Watermaster spreading costs; and

WHEREAS, these Producers will also be responsible for applicable Administrative Assessments in addition to a Replacement Water Assessment.

NOW, THEREFORE, BE IT RESOLVED, that the Watermaster Board unanimously adopts a Replacement Water Assessment for Year 2019 in the amount of \$451 an acre foot for Producers within the AVSWCA boundaries, and a Replacement Water Assessment in the amount of \$948 an acre foot for Producers outside the AVSWCA boundaries.

I certify that this is a true copy of Resolution No. R-19-11 as passed by the Board of Directors of the Antelope Valley Watermaster at its meeting held April 24, 2019, in Palmdale, California.

Date: _____

Robert Parris, Chairman

ATTEST: _____
Patricia Rose – Secretary

ANTELOPE VALLEY

STATE WATER CONTRACTORS ASSOCIATION

Financial Analysis Study for Replacement Water Assessment

Final Report / March 6, 2019





March 6, 2019

Mr. Matthew Knudson
General Manager
Antelope Valley State Water Contractors Association
2029 East Avenue Q
Palmdale, CA 93550

Subject: Financial Analysis Study for Replacement Water Assessment

Dear Mr. Knudson,

Raftelis Financial Consultants, Inc. (Raftelis) is pleased to provide this Financial Analysis Study for Replacement Water Assessment Report (Report) for the Antelope Valley State Water Contractors Association (AVSWCA). The primary objective of the study was to perform a financial analysis of the imported water costs associated with AVSWCA's groundwater basin recharge, and to develop Replacement Water Assessment fees to be assessed to property owners or agencies outside of AVSWCA's service area.

This Report summarizes the key findings and recommendations related to the financial analysis conducted as part of the study. It has been a pleasure working with you, and we thank you and other key staff from Antelope Valley-East Kern Water Agency, Littlerock Creek Irrigation District, and Palmdale Water District for the support provided during the course of this study.

Sincerely,
Raftelis Financial Consultants, Inc.

A handwritten signature in blue ink, appearing to read 'Sudhir Pardiwala'.

Sudhir Pardiwala
Executive Vice President

A handwritten signature in blue ink, appearing to read 'Charles Diamond'.

Charles Diamond
Consultant

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Introduction

The Antelope Valley State Water Contractors Association (AVSWCA) is a joint powers authority created in 1999 to optimize the use of water resources and to protect surface water and groundwater storage within the Antelope Valley. AVSWCA's three member agencies include the Antelope Valley-East Kern Water Agency (AVEK), Littlerock Creek Irrigation District (LCID), and Palmdale Water District (PWD). Each of the member agencies has a contract with the California Department of Water Resources for entitlement to and delivery of imported water from the State Water Project (SWP).

The AVSWCA's service area lies within the adjudicated Antelope Valley Groundwater Basin. As part of the adjudication judgement, the Antelope Valley Watermaster is tasked with determining the amount of imported Replacement Water from the SWP to be used to recharge the groundwater basin in order to ensure that the basin's Total Safe Yield is not exceeded. Imported SWP water to be utilized as Replacement Water will be purchased from AVSWCA's member agencies or other entities. AVSWCA is therefore interested in determining the per acre-foot (AF) cost for Replacement Water Assessments to be charged to groundwater producers within and surrounding its service area who do not have any entitlement in the SWP or rights in the Groundwater Basin.

Property owners subject to the proposed Replacement Water Assessments that reside within the service areas of AVSWCA's three member agencies contribute to the recovery of SWP capital costs through property taxes. However, property owners outside of the three member agencies' service areas (herein referred to as "Outside Users") do not own any entitlement rights and do not contribute to SWP costs. Therefore, it is appropriate for Replacement Water Assessments to be charged to Outside Users who are not SWP members or own rights in the Groundwater Basin. Although AVSWCA has preliminarily set the Replacement Water Assessment fee for groundwater users within its member agencies' service areas at \$415 per acre-foot for 2018, Replacement Water Assessment fees for Outside Users have to be developed.

The AVSWCA engaged Raftelis Financial Consultants, Inc. (Raftelis) in 2018 to conduct a Financial Analysis Study for Replacement Water Assessment (Study). The primary objective of the Study was to conduct financial analyses necessary to develop the proposed Replacement Water Assessments for Outside Users related to AVSWCA's groundwater recharge activities. This Financial Analysis Study for Replacement Water Assessment Report (Report) details the analysis performed by Raftelis as well as all results and recommendations.

Methodology & Assumptions

METHODOLOGY

Based on discussions with staff from each of AVSWCA's member agencies, Raftelis recommends establishing Replacement Water Assessment fees for Outside Users based on fixed cost payments made by each member agency to the California Department of Water Resources for the importation of SWP water as well as the variable cost associated with delivering Replacement Water. The member agencies and the property owners within their service areas continue to fund the fixed costs associated with importing SWP water. Therefore, if any SWP water entitlement of the three member agencies is utilized as Replacement Water by Outside Users, it is reasonable and equitable for the Outside Users to pay a Replacement Water Assessment based in part on the investments of the SWP members. AVSWCA's member agencies have been paying the capital costs of the SWP since the 1960s. The present value of those investments in the SWP should be accounted for in determining a fair price for the Replacement Water.

The primary steps required to calculate the proposed Replacement Water Assessment to charge to Outside Users are outlined below:

1. Calculate the unit rate designed to recover SWP fixed costs:
 - a) Determine the present value of SWP fixed costs through 2017 (delivery data, used in the analysis, was available through 2017) for all three member agencies as defined in Tables A, C, D, E, F, and G of each member agencies' water supply contract with the California Department of Water Resources. The SWP fixed costs included are the Capital Cost Component of the Transportation Charge, the Minimum OMP&R Component of the Transportation Charge, Delta Water Charges, Water System Revenue Bond Surcharge and Off-Aqueduct Power Facilities costs. The capital costs in each year is then converted to 2018 dollars using an average cost escalation factor of 3.9 percent which is equal to the average annual increase in the Consumer Price Index (CPI) between 1962 and 2017 as shown below in Table 1.

Table 1: Annual Cost Escalation

Key Assumption	Value	Notes
Annual Cost Escalation	3.90%	Average CPI from 1962 to 2017

- b) Calculate the fixed payment per acre-foot by dividing the result from Step 1a by total SWP deliveries received through 2017 across all three member agencies. This number represents the value of the SWP delivered water in dollars per acre-foot. This would represent the approximate value of purchasing SWP water entitlement and the corresponding deliveries.
2. Calculate the unit rate designed to recover variable water costs:
 - a) Take the existing Untreated Water Availability Charge rate in dollars per acre-foot for agricultural water delivered under terms of water service agreements through AVEK-owned facilities and adjust to account for 10% water loss due to leakage.
3. Add the SWP fixed cost unit rate from Step 1 and the variable cost unit rate from Step 2 to determine the Replacement Water Assessment for Outside Users to be charged by AVSWCA.

The following key inputs were utilized to calculate the proposed Water Replacement Assessment fees presented in this Report. Firstly, total SWP deliveries through 2017 to each member agency are shown below in **Table 2**. AVEK and LCID first began receiving SWP water in 1972, while PWD began receiving SWP water in 1985. Information on SWP deliveries was provided to Raftelis by member agency staff.

Table 2: Total SWP Deliveries through 2017 in Acre-Feet

Member Agency	SWP Deliveries
AVEK	2,242,419 AF
LCID	13,310 AF
PWD	338,659 AF
Total	2,594,388 AF

Analysis & Results

This section outlines the calculation of the proposed Replacement Water Assessment for AVSWCA. Table 3 below shows the determination of the present value of total annual SWP fixed cost payments for each member agency through 2017. As stated previously, SWP fixed costs included in this analysis are the Capital Cost Component of the Transportation Charge, the Minimum OMP&R Component of the Transportation Charge, Delta Water Charges, Water System Revenue Bond Surcharges, and Off-Aqueduct Power Facilities costs. Each of these annual costs in nominal USD are contained in Tables A, C, D, E, F, and G of each member agency's Water Supply Contract with the California Department of Water Resources. Raftelis then converted these costs into 2018 USD assuming annual cost escalation of 3.90% (as shown previously in **Table 1**). Table 3 below shows a summary of total SWP fixed cost payments through 2017 for each member agency in both nominal and 2018 USD. Please refer to Appendices A, B, and C for detailed SWP fixed costs by year and category for AVEK, LCID, and PWD respectively.

Table 3: Present Value of SWP Fixed Costs

Member Agency	Total SWP Fixed Cost Payments (Nominal)	Present Value of Total SWP Fixed Cost Payments (2018 USD)
AVEK	\$518,309,936	\$1,110,446,654
LCID	\$8,009,081	\$17,901,835
PWD	\$77,201,475	\$160,873,533
Total	\$602,520,492	\$1,289,222,022

Table 4 below shows the development of SWP fixed cost payments per acre-foot of delivery for AVSWCA's member agencies. The present value of total SWP fixed cost payments (from Table 3) is simply divided by the SWP entitlements in acre-feet (from Table 2) to arrive at unit cost per acre-foot. This result represents the unit rate to recover SWP fixed costs as described previously in Step 1b on page 2. The SWP fixed cost unit rate constitutes the first of two rate components used to determine the proposed Replacement Water Assessment.

Table 4: Calculation of Unit Rate to Recover SWP Fixed Costs

Line	Description	Amount	Notes/Source
1	Present Value of Total SWP Fixed Cost Payments	\$1,289,222,022	Table 3
2	Total SWP Deliveries	2,594,388 AF	Table 2
3	SWP Fixed Cost Unit Rate	\$496.93 / AF	= [Line 1] / [Line 2]

The second of the two rate components used to determine the proposed Replacement Water Assessment is the variable cost unit rate. This unit rate is designed to recover the variable cost of Replacement Water and is determined by taking the 2019 Untreated Water Availability Charge rate of \$406 per AF for agricultural water delivered under terms of water service agreements through AVEK-owned facilities and adjusting to account for an assumed 10% of water loss due to the recharge process. This calculation is shown in Equation 1 below.

$$\text{Equation 1: Variable Cost Unit Rate} = \frac{\$406/AF}{100\% - 10\%} = \$451.11/AF$$

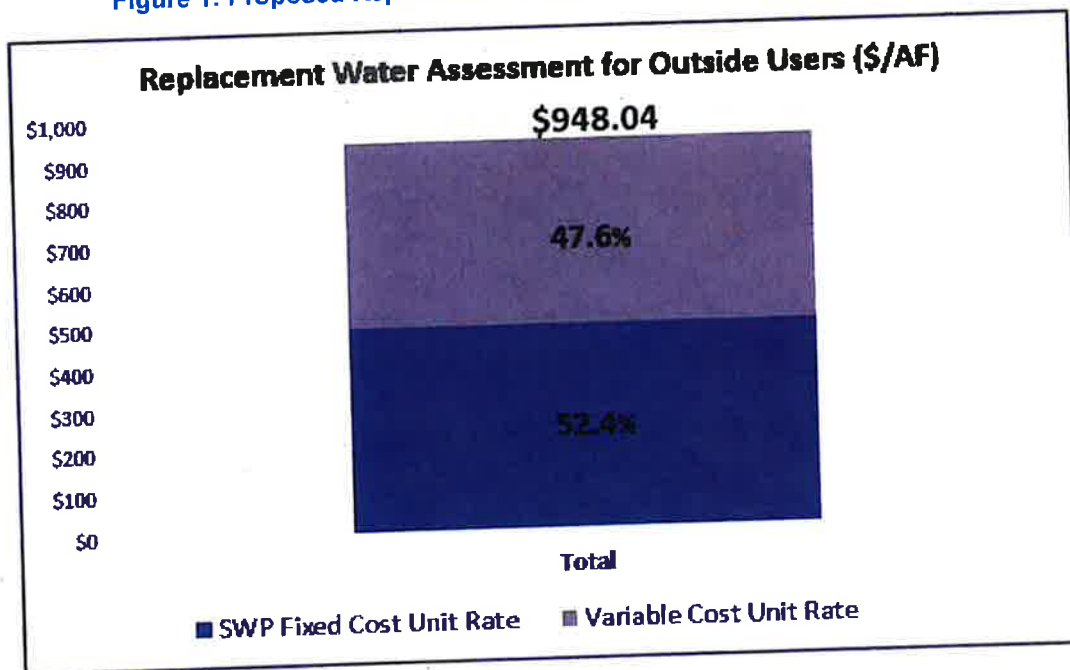
The proposed Replacement Water Assessment for Outside Users is determined by simply adding the SWP fixed cost unit rate (from Line 3 in Table 4) to the variable cost unit rate shown in Equation 1. The proposed Replacement Water Assessments for Outside is shown below in Table 5.

Table 5: Proposed Replacement Water Assessment for Outside Users

Line	Description	Amount	Notes/Source
1	SWP Fixed Cost Unit Rate	\$496.93 / AF	Table 4
2	Variable Cost Unit Rate	\$451.11 / AF	Equation 1
3	Proposed Replacement Water Assessment	\$948.04 / AF	= [Line 1] + [Line 2]

Figure 1 shows the proposed Replacement Water Assessment per acre-foot, as determined above in Table 5. The proposed Replacement Water Assessment of \$948.04 per acre-foot is split relatively evenly between the SWP fixed cost unit rate (52.4%) and variable cost unit rate (47.6%).

Figure 1: Proposed Replacement Water Assessment for Outside Users



APPENDIX A: SWP FIXED COSTS - AVEK

**Tables A, C, D, E, F, and G
of the
Water Supply Contract
between
The State of California
Department of Water Resources
ANTELOPE VALLEY-EAST KERN WATER AGENCY**

(In dollars except where otherwise noted)

Calendar Year	Transportation Charge			Delta Water Charges	Water System Revenue Bond Surcharge	Off-Aqueduct Power Facilities	RAFFELIS CALCULATED: Total Fixed Payments (Nominal)	RAFFELIS CALCULATED: Total Fixed Payments in 2008 \$
	Capital Costs (Table D)		Minimum OMP&R Component (Table E & G)					
	Annual Payment of Principal	Annual Interest Payment						
1960	-	-	-	-	-	-	-	-
1961	-	-	-	-	-	-	-	-
1962	-	-	-	-	-	-	-	-
1963	3,656	46,476	-	-	-	50,132	411,121	
1964	7,020	75,472	-	-	-	82,492	651,106	
1965	13,398	47,551	-	-	-	60,949	463,010	
1966	24,589	178,207	-	-	-	202,796	1,482,750	
1967	47,671	250,066	-	-	-	297,737	2,095,201	
1968	77,671	591,387	114,164	-	-	783,222	5,304,717	
1969	114,658	867,559	88,040	-	-	1,070,257	6,976,698	
1970	152,774	1,166,566	135,082	-	-	1,454,422	9,125,081	
1971	188,395	1,053,317	186,373	-	-	1,428,085	8,623,524	
1972	211,795	1,406,105	377,265	160,756	-	2,155,921	12,629,912	
1973	227,084	1,734,633	461,155	222,207	-	2,645,079	14,795,794	
1974	239,569	1,690,415	164,921	279,090	-	2,373,995	12,780,972	
1975	253,219	1,507,558	574,928	319,822	-	2,655,527	13,760,026	
1976	266,367	1,481,561	405,288	431,018	-	2,584,214	12,887,880	
1977	280,012	1,476,986	838,666	469,922	-	2,865,586	13,754,693	
1978	294,057	1,496,168	693,608	600,180	-	3,084,011	14,247,472	
1979	309,317	1,480,783	712,340	720,173	-	3,222,613	14,328,955	
1980	325,592	1,477,558	1,000,550	857,818	-	3,661,518	15,669,386	
1981	351,120	2,268,109	733,695	1,355,100	-	4,708,024	19,391,613	
1982	366,401	938,765	1,436,719	1,551,434	-	4,293,319	17,019,736	
1983	392,086	1,617,658	2,407,048	1,110,994	-	1,083,881	25,226,392	
1984	421,808	2,625,413	2,004,478	450,405	-	2,499,848	29,384,923	
1985	449,800	1,790,324	1,944,232	565,881	-	3,749,257	30,040,430	
1986	475,597	1,745,690	2,206,227	635,086	-	3,159,857	27,970,361	
1987	502,492	1,782,829	2,533,025	652,450	-	3,167,759	28,282,844	
1988	527,761	1,813,260	2,193,438	711,641	64,266	2,688,113	25,204,253	
1989	553,780	1,824,686	3,193,094	2,083,593	205,868	2,357,669	30,991,144	
1990	586,519	1,815,427	1,719,784	2,207,667	185,010	2,528,625	26,396,686	

Tables A, C, D, E, F, and G
of the
Water Supply Contract
between
The State of California
Department of Water Resources
ANTELOPE VALLEY-EAST KERN WATER AGENCY

(in dollars except where otherwise noted)

Calendar Year	Transportation Charge			Delta Water Charges	Water System Revenue Bond Surcharge	Off-Aqueduct Power Facilities	RAFTELIS CALCULATED: Total Fixed Payments (Nominal)	RAFTELIS CALCULATED: Total Fixed Payments in 2018 \$
	Capital Costs (Table D)		Minimum OMP&R Component (Table E & G)					
	Annual Payment of Principal	Annual Interest Payment						
1991	616,476	1,765,880	2,644,074	2,454,678	296,654	1,048,414	8,848,376	24,858,983
1992	653,283	1,773,406	2,998,849	2,804,695	402,015	2,760,199	11,392,447	30,805,003
1993	688,496	1,666,698	2,667,894	2,811,318	424,871	3,559,467	11,818,764	30,758,188
1994	725,604	1,639,187	2,922,011	2,694,116	424,023	3,963,982	12,368,923	30,981,685
1995	763,215	1,652,147	3,088,320	2,883,156	500,084	4,324,009	13,210,931	31,848,649
1996	802,713	1,565,704	3,333,727	2,834,460	606,388	3,572,856	12,715,648	29,504,440
1997	842,729	1,624,187	3,322,103	3,133,957	626,151	3,411,379	12,960,506	28,943,327
1998	886,136	1,605,665	3,270,632	3,155,093	602,091	3,977,988	13,497,605	29,011,332
1999	929,559	1,593,859	4,090,299	3,262,870	826,108	3,696,973	14,399,668	29,788,448
2000	975,533	1,528,659	4,232,460	3,314,278	940,325	2,372,130	13,363,365	26,607,026
2001	1,022,242	1,512,697	4,040,411	3,315,004	925,355	2,680,895	13,496,604	25,863,590
2002	1,078,342	1,658,005	3,949,101	3,437,351	974,814	1,668,457	12,766,070	23,545,395
2003	1,130,557	1,579,003	5,598,522	3,365,016	1,015,056	1,445,146	14,133,300	25,086,621
2004	1,183,761	1,530,822	2,549,377	3,333,008	1,016,092	1,813,317	11,426,377	19,522,086
2005	1,239,565	1,489,361	2,664,386	3,461,814	959,268	2,047,638	11,862,032	19,505,685
2006	1,300,414	1,427,276	4,436,843	3,507,524	1,038,028	2,845,985	14,556,068	23,037,261
2007	1,366,303	1,373,827	4,762,823	3,855,524	666,215	2,990,954	15,015,646	22,872,574
2008	1,434,161	1,334,202	5,654,630	3,943,904	999,433	3,547,772	16,914,102	24,797,301
2009	1,503,269	1,373,641	3,726,039	4,310,140	1,080,062	3,357,450	15,350,601	21,660,342
2010	1,585,038	1,297,433	5,686,181	5,385,764	1,033,467	4,321,133	19,309,016	26,223,130
2011	1,672,991	1,250,140	4,229,644	5,928,431	1,116,181	4,952,964	19,150,341	25,031,412
2012	1,758,667	1,210,162	4,248,790	6,189,558	1,090,934	5,401,397	19,899,508	25,034,310
2013	1,812,060	1,128,915	6,343,556	6,550,942	1,186,869	2,563,236	19,585,578	23,714,509
2014	1,899,283	1,533,728	5,209,033	6,368,143	1,345,233	1,148,978	17,504,398	20,399,023
2015	1,954,811	1,479,091	9,320,182	8,666,793	1,288,246	530,003	23,238,926	26,065,298
2016	1,978,002	1,495,875	7,174,136	10,359,280	1,287,598	153,406	22,448,297	24,233,408
2017	1,906,927	1,461,139	5,510,660	9,976,357	1,186,800	120,731	20,162,614	20,948,956

APPENDIX B: SWP FIXED COSTS – LCID

**Tables A, C, D, E, F, and G
of the
Water Supply Contract
between
The State of California
Department of Water Resources
Littlerock Creek Irrigation District**

(in dollars except where otherwise noted)

Calendar Year	Transportation Charge			Delta Water Charges	Water System Revenue Bond Surcharge	Off-Aqueduct Power Facilities	RAFFEL'S CALCULATED: Total Fixed Payments (Nominal)	RAFFEL'S CALCULATED: Total Fixed Payments in 2018 \$
	Capital Costs (Table D)		Minimum OMP&R Component (Table E & G)					
	Annual Payment of Principal	Annual Interest Payment						
1960	-	-	-	-	-	-	-	-
1961	-	-	-	-	-	-	-	-
1962	-	-	-	-	-	-	-	-
1963	-	-	-	-	-	-	-	-
1964	121	1,249	-	-	-	-	1,370	10,813
1965	227	1,459	-	-	-	-	1,686	12,808
1966	415	3,633	-	-	-	-	4,048	29,597
1967	809	4,875	-	-	-	-	5,684	39,999
1968	1,324	10,347	1,910	-	-	-	13,581	91,983
1969	1,966	15,024	1,474	-	-	-	18,464	120,362
1970	2,713	21,477	2,255	-	-	-	26,445	165,917
1971	3,413	20,231	3,119	-	-	-	26,763	161,609
1972	3,832	27,037	7,548	1,367	-	-	39,784	231,219
1973	4,113	31,568	9,581	2,577	-	-	47,839	267,597
1974	4,336	32,674	2,049	3,721	-	-	42,780	230,316
1975	4,580	28,656	10,631	4,752	-	-	48,619	251,927
1976	4,818	27,598	6,508	6,269	-	-	45,191	225,375
1977	5,063	28,048	11,038	6,861	-	-	51,010	244,846
1978	5,317	28,623	12,422	9,687	-	-	56,049	258,934
1979	5,590	28,167	12,223	11,889	-	-	57,869	257,307
1980	5,860	28,087	17,113	14,256	-	-	65,336	279,604
1981	6,327	42,699	13,032	22,946	-	-	85,004	350,118
1982	6,605	17,926	26,245	26,335	-	-	77,111	305,686
1983	7,051	30,737	41,811	19,002	-	1,250	99,851	380,975
1984	7,564	48,791	34,781	20,719	-	77	111,932	411,039
1985	8,060	33,467	35,571	24,474	-	-	101,572	358,994
1986	8,503	32,529	38,788	27,822	-	15,873	123,515	420,162
1987	8,946	33,733	44,658	29,064	-	95,994	212,395	695,387
1988	9,392	33,704	39,276	32,024	2,154	30,395	146,945	463,043
1989	9,846	34,245	56,576	36,301	3,763	50,948	191,679	581,334
1990	10,411	33,951	31,445	38,438	3,385	110,678	226,308	666,433

Tables A, C, D, E, F, and G
of the
Water Supply Contract
between
The State of California
Department of Water Resources
Littlerock Creek Irrigation District
(in dollars except where otherwise noted)

Calendar Year	Transportation Charge			Delta Water Charges	Water System Revenue Bond Surcharge	Off-Aqueduct Power Facilities	RAFTSIS CALCULATED: Total Fixed Payments (Nominal)	RAFTSIS CALCULATED: Total Fixed Payments in 2013 \$
	Capital Costs (Table D)		Minimum OMP&R Component (Table E & G)					
	Annual Payment of Principal	Annual Interest Payment						
1991	10,942	33,591	46,035	40,793	5,236	65,111	201,708	566,687
1992	11,535	32,403	51,225	48,610	7,053	22,891	171,717	464,320
1993	12,141	30,180	48,657	46,720	7,437	60,615	205,750	535,462
1994	12,784	29,831	53,958	44,772	7,431	88,548	237,325	594,452
1995	13,436	30,107	51,919	47,914	8,769	43,892	196,037	472,602
1996	14,123	28,753	59,930	47,104	10,840	31,691	192,241	446,055
1997	14,821	29,517	64,464	52,082	10,972	24,319	196,175	438,097
1998	15,579	29,173	58,055	52,433	10,550	30,365	196,155	421,608
1999	16,340	28,928	81,350	54,224	14,475	18,305	213,622	441,918
2000	17,148	27,846	79,374	55,078	16,486	-	185,932	390,108
2001	17,970	27,200	67,726	55,090	16,224	-	184,210	353,002
2002	18,837	26,960	69,689	55,912	16,724	-	188,122	346,967
2003	19,745	25,148	114,340	54,735	17,415	-	231,383	410,738
2004	20,674	24,263	41,999	54,215	17,432	-	158,583	270,941
2005	21,648	23,526	37,282	56,310	16,457	-	155,223	255,246
2006	22,711	22,435	75,875	57,053	17,809	-	195,883	310,015
2007	23,854	21,500	81,033	62,714	11,413	-	200,514	305,433
2008	25,037	20,813	106,363	64,151	17,175	1,845	235,384	345,090
2009	26,245	20,274	57,372	70,109	18,529	3,269	195,798	276,279
2010	27,659	18,849	107,466	87,605	17,731	177	259,487	352,403
2011	29,173	18,001	68,537	96,432	19,149	407	231,699	302,854
2012	30,653	17,291	72,780	100,679	18,453	495	240,351	302,370
2013	32,195	15,825	116,198	106,557	20,052	3,270	294,097	356,097
2014	32,939	14,645	89,881	101,120	21,838	3,804	264,227	307,921
2015	33,975	13,707	161,605	137,621	20,924	2,214	370,046	415,052
2016	34,483	13,912	114,771	164,497	20,895	746	349,304	377,081
2017	33,301	13,387	92,259	158,416	19,257	658	317,276	329,652

APPENDIX C: SWP FIXED COSTS – PWD

**Tables A, C, D, E, F, and G
of the
Water Supply Contract
between
The State of California
Department of Water Resources
PALMDALE WATER DISTRICT**

(in dollars except where otherwise noted)

Calendar Year	Transportation Charge			Delta Water Charges	Water System Revenue Bond Surcharge	Off-Aqueduct Power Facilities	RAFTELIS CALCULATED: Total Fixed Payments (Nominal)	RAFTELIS CALCULATED: Total Fixed Payments in 2018 \$
	Capital Costs (Table D)		Minimum OMP&R Component (Table E & G)					
	Annual Payment of Principal	Annual Interest Payment						
1960	-	-	-	-	-	-	-	-
1961	-	-	-	-	-	-	-	-
1962	-	-	-	-	-	-	-	-
1963	-	-	-	-	-	-	-	-
1964	946	8,222	-	-	-	-	9,168	72,363
1965	1,796	10,440	-	-	-	-	12,236	92,953
1966	3,323	24,593	-	-	-	-	27,916	204,109
1967	6,497	34,366	-	-	-	-	40,863	287,556
1968	10,751	73,446	14,340	-	-	-	98,537	667,385
1969	16,145	110,471	11,056	-	-	-	137,672	897,444
1970	22,300	153,990	16,970	-	-	-	193,260	1,212,518
1971	27,937	147,486	23,402	-	-	-	198,825	1,200,609
1972	31,440	193,968	52,963	13,021	-	-	291,392	1,693,530
1973	33,743	220,289	67,837	26,131	-	-	348,000	1,946,610
1974	35,597	233,427	16,970	39,631	-	-	325,625	1,753,080
1975	37,618	202,360	77,908	50,989	-	-	368,875	1,911,383
1976	39,567	199,484	49,562	67,591	-	-	356,204	1,776,445
1977	41,584	197,159	80,370	77,255	-	-	396,368	1,902,550
1978	43,662	201,374	90,048	98,345	-	-	433,429	2,002,349
1979	45,910	198,167	90,841	117,285	-	-	452,203	2,010,665
1980	48,293	197,299	126,792	138,590	-	-	510,974	2,186,702
1981	52,024	303,742	94,787	211,396	-	-	661,949	2,726,464
1982	54,265	122,914	188,716	235,100	-	-	601,015	2,382,566
1983	59,032	214,456	310,207	163,925	-	-	747,620	2,852,496
1984	63,894	346,012	258,244	174,500	-	-	842,650	3,094,396
1985	68,768	233,039	258,837	200,605	-	157,601	919,850	3,251,098
1986	73,550	225,068	284,701	223,785	-	301,486	1,108,590	3,771,104
1987	78,491	229,358	328,728	228,654	-	258,719	1,123,950	3,679,840
1988	83,316	229,980	270,456	248,146	16,240	126,639	974,777	3,071,650
1989	87,966	231,677	424,450	276,155	27,981	493,424	1,541,653	4,675,602
1990	93,341	228,640	227,818	289,119	24,956	545,342	1,409,216	4,113,513

**Tables A, C, D, E, F, and G
of the
Water Supply Contract
between
The State of California
Department of Water Resources
PALMDALE WATER DISTRICT**

(in dollars except where otherwise noted)

Calendar Year	Transportation Charge			Delta Water Charges	Water System Revenue Bond Surcharge	Off-Aqueduct Power Facilities	RAFFEL'S CALCULATED: Total Fixed Payments (Nominal)	RAFFEL'S CALCULATED: Total Fixed Payments In 2018 \$
	Capital Costs (Table D)		Minimum OMP&R Component (Table E & G)					
	Annual Payment of Principal	Annual Interest Payment						
1991	97,336	226,192	340,042	306,835	38,641	488,207	1,497,253	4,206,443
1992	101,682	220,395	380,756	350,587	52,160	367,996	1,473,576	3,984,527
1993	106,683	204,334	353,768	351,415	55,045	640,919	1,712,164	4,455,886
1994	112,034	200,467	390,690	336,766	54,968	678,876	1,773,801	4,443,018
1995	117,527	201,835	404,431	360,394	64,852	636,541	1,785,580	4,304,641
1996	123,261	191,420	442,831	354,307	78,696	723,670	1,914,185	4,441,462
1997	129,259	195,880	478,826	391,745	81,146	648,652	1,925,508	4,300,033
1998	135,477	192,722	447,893	394,387	78,028	657,806	1,906,113	4,096,940
1999	141,897	190,165	607,048	407,859	107,060	710,674	2,164,703	4,478,099
2000	148,667	383,992	685,260	510,073	121,898	257,146	2,087,036	4,155,371
2001	155,717	231,130	595,727	510,185	135,581	445,872	2,074,212	3,974,820
2002	163,127	225,450	617,420	517,791	139,071	529,674	2,192,533	4,043,849
2003	170,744	213,868	961,287	506,894	144,812	277,984	2,275,589	4,039,495
2004	178,712	206,574	374,148	502,073	144,960	368,929	1,775,398	3,033,283
2005	187,084	200,581	367,640	521,475	136,853	400,828	1,814,461	2,983,663
2006	196,108	191,376	666,040	528,361	148,089	442,278	2,172,252	3,437,928
2007	205,998	183,285	707,653	580,783	95,550	710,515	2,483,784	3,783,423
2008	216,175	177,549	925,863	594,096	144,009	1,052,126	3,109,818	4,559,219
2009	226,411	173,072	517,546	649,264	154,087	1,154,433	2,874,813	4,056,482
2010	238,646	160,990	889,664	811,293	147,438	810,142	3,058,173	4,153,234
2011	251,751	154,104	642,842	893,038	159,239	551,068	2,652,042	3,466,484
2012	264,471	148,214	624,548	932,373	154,732	1,072,349	3,196,687	4,021,549
2013	277,541	135,890	1,030,792	986,811	168,130	512,798	3,111,962	3,768,010
2014	283,992	125,755	771,792	936,466	183,142	348,413	2,649,560	3,087,706
2015	292,536	117,899	1,383,482	1,274,493	175,577	131,952	3,375,939	3,786,529
2016	297,194	120,323	1,025,625	1,523,381	175,457	29,017	3,170,997	3,423,158
2017	288,693	114,988	786,871	1,467,071	161,746	21,152	2,840,521	2,951,301

Regular Meeting
April 24, 2019

Resolution No. R-19-12
Storage and Recovery Agreement
Annual Water Storage and Recovery Report
141

RESOLUTION NO. R-19-12

ADOPTING A FORM STORAGE AND RECOVERY AGREEMENT AND A FORM ANNUAL WATER STORAGE AND RECOVERY REPORT

WHEREAS, the Antelope Valley Watermaster, formed by the Antelope Valley Groundwater Cases Final Judgment (“Judgment”), Santa Clara Case No. 1-05-CV-049053 signed December 23, 2015, is to administer the Judgment; and

WHEREAS, the Judgment provides that the Watermaster Engineer shall prepare Rules and Regulations relating to Storage Agreements; and

WHEREAS, on June 27, 2018 the Watermaster adopted Resolution 18-16 concerning Rules and Regulations relating to Storage Agreements which Rules and Regulations were then approved by the Court pursuant to its order dated August 9, 2018; and

WHEREAS, a public hearing was held on April 24, 2019 where the Watermaster considered public comment on a form Storage and Recovery Agreement and a form Annual Water Storage and Recovery Report, true and correct copies of which are attached to this Resolution as Exhibit “A”; and

WHEREAS, the Watermaster hereby adopts the forms as found in attached Exhibit “A” and wishes to direct that their contents be incorporated into the Rules and Regulations relating to Storage Agreements which were adopted by the Watermaster pursuant to Resolution 18-16.

NOW THEREFORE BE IT RESOLVED, the Watermaster Board unanimously adopts the form Storage and Recovery Agreement and the form Annual Water Storage and Recovery Report attached hereto as Exhibit “A” and hereby directs that Exhibit “A” be incorporated into the Rules and Regulations relating to Storage Agreements adopted by this Board pursuant to Resolution 18-16 on June 27, 2018 with modifications, if any, as directed by the Board after the public hearing.

I certify that this is a true copy of Resolution No. R-19-12 as passed by the Board of Directors of the Antelope Valley Watermaster at its meeting held April 24, 2019 in Palmdale, California.

Date: _____

Robert Parris, Chairman

ATTEST: _____
Patricia Rose – Secretary

**ANTELOPE VALLEY WATERMASTER
STORAGE AND RECOVERY AGREEMENT**

This Antelope Valley Watermaster Storage and Recovery Agreement (**Agreement**) is made and entered into effective _____, 2019 (**Effective Date**) by and between the Antelope Valley Watermaster (**Watermaster**) and _____ (**Applicant**) pursuant to section 14 of the Judgment and Physical Solution entered December 21, 2015 (**Judgment**).

RECITALS

A. The Applicant is a Party to the Judgment and identified on _____ [STATE WHERE IDENTIFIED, TYPICALLY WOULD BE EXHIBIT 3 OR EXHIBIT 4].

B. Section 14 of the Judgment provides that all Parties to the Judgment have the right to store water in the Basin¹ pursuant to a storage agreement with the Watermaster.

C. Section 14 further provides that storage agreements shall not modify or limit the operation of pre-existing banking projects^[A1].

D. [The Applicant is operating a pre-existing banking project on the land depicted in Exhibit A and legally described in Exhibit B, consisting of about ____ gross acres (**Project**)^[A2]. The facilities used for the Project are also shown on Exhibit A.

E. [The Project operation is described in the following documents, which were reviewed by the Watermaster Engineer: [LIST DOCUMENTS]^[A3]

F. The Project is [or is NOT] within an area of the Basin that has historically experienced subsidence, or which appears to be susceptible to subsidence.^[A4]

G. The Watermaster Engineer has determined, as required in Section 5(e) of the Rules and Regulations, that the Project will not cause Material Injury on any Producer.

¹ All capitalized terms not defined herein shall have the same meaning as set forth in the Judgment.
2018-11-07 Draft Watermaster Storage Agreement.DOCX

H. The Watermaster Engineer has determined and the parties agree that the Applicant currently has _____ acre feet of water in storage as of the Effective Date. Of that amount, _____ acre-feet of Stored Water can be exported from the Basin.^[A5]

I. The Applicant desires to enter into a storage agreement with the Watermaster consistent with the Judgment and the Rules and Regulations for Storage Agreements, and subject to the terms and provisions set forth herein.

J. By Watermaster Resolution No. _____, the Watermaster approved and authorized its President to execute this Storage Agreement.^[A6]

NOW, THEREFORE, the parties agree as follows:

1. **Recitals.** The foregoing recitals are true and correct.
2. **Project Losses.** Unrecoverable Project losses, due to evaporation, evapotranspiration, and other factors is estimated at _____% of the total water delivered for recharge and the Applicant shall therefore be entitled to a credit of _____% of the water delivered for recharge as water stored in the Basin and available for recovery.
3. **No Material Injury.** The Applicant shall not operate the Project in a manner that causes a Material Injury upon any Producer.^[A7]
4. **Metering:** If not already installed as part of a pre-existing banking program, the Applicant shall install a meter or meters at the Applicant's sole expense for the purpose of accurately recording the amount of water delivered for recharge and the amount of water recovered. Meters installations are subject to the approval of the Watermaster Engineer. The meter(s) shall be maintained in good working order and regularly calibrated in accordance with requirements of the Watermaster Engineer.

5. **Recovery.** All stored water shall be recovered from the Project lands using Project facilities as identified in Exhibit A unless a different place of recovery and/or different facilities are authorized in writing by the Watermaster.

6. **Project Operations**^[A8]. The Project includes limitations on operations as documented in the materials identified in Recital E which may inform the Watermaster Engineer's no Material Injury finding, including [FOLLOWING MAY VARY DEPENDING ON THE SPECIFIC PROJECT]: (1) maximum amount of water to be stored; (2) maximum annual recharge amount; (3) maximum annual recovery amount; (4) any "triggers" on limits for recharge and recovery, like groundwater level impacts at monitoring wells.

7. **Pre- or Post-Delivery of Replacement Water.** Section 14 of the Judgment provides that, pursuant to a Storage Agreement, a Party can provided for pre-delivery or post-delivery of Replacement Water that can be credited to the Party's Replacement Water Obligation at the Party's request. **Pre- or Post-Delivery of Replacement Water** will be made consistent with the requirements in the storage Rules and Regulations.^[A9]

8. **Reporting.** On or before [E.g. March 15]_____ of the year following the year in which water is recharged, the Applicant shall file an Annual Storage Agreement Report substantially in the form attached as Exhibit C setting forth the amount of stored water as of January 1 of the reporting year, the amount of new water recharged during the reporting year, the source(s) of all water recharged during the reporting year, the recovery, use or disposition of all water recovered during the reporting year, the location and purpose of use (if any), and any monitoring data required under this agreement.

9. **Special Monitoring Requirements**^[A10]: The Applicant shall have the following special monitoring requirements to demonstrate that operation of the Project does not cause a Material Injury on any Producer:

a. [LIST AS APPROPRIATE]

10. **Term.** The term of this Agreement shall be perpetual unless terminated by the Applicant on six months' prior written notice, or by order of the Court for good cause.

11. **Successors and Assigns:** This Agreement is binding upon the parties hereto, and their respective heirs, executors, administrators, successors, assigns, lessors and licensees.

12. **Inspection of Records and Facilities.** The Watermaster shall have the right, on reasonable advance written notice, to inspect the Project and related facility and the Applicant's records relating thereto.

13. **Modification of Storage Agreement**^(A11). If the Watermaster Engineer determines, based on new information not reasonably available on the Effective Date, that the Project will or may cause Material Injury to a Producer, the Watermaster Engineer shall notify the Applicant to determine whether this Agreement and operation of the Project may be modified to avoid such Material Injury.

WHEREFORE, the parties have executed this Agreement as of the Effective Date.

Dated: _____, 2018

Watermaster

By _____
Its President

Dated: _____, 2018

Applicant

By _____

Advisory Committee
March 27, 2019

**Draft Storage and Recovery Report
and Redline**

ANTELOPE VALLEY WATERMASTER
ANNUAL WATER STORAGE AND RECOVERY REPORT
2018 Calendar Year
Submit by March 1, 2019

Please mail to: Antelope Valley Watermaster, P.O. Box 3025, Quartz Hill, California 93586 OR email to info@avwatermaster.net
Call Watermaster Administrative staff at 661-234-8233 with questions.

Reporting Party: _____

Contact Name: _____

Address: _____

Phone: _____ email: _____

A. Ref Storage Agreement Dated: _____

B. Amount of stored water as of December 31 of prior reporting year in acre-feet _____

C. Source(s) and amounts of all water spread during the reporting year:

- | | |
|------------------|-----------------|
| 1. Source: _____ | Acre-Feet _____ |
| 2. Source: _____ | Acre-Feet _____ |
| 3. Source: _____ | Acre-Feet _____ |
| 4. Source: _____ | Acre-Feet _____ |

D. Total Amount of water spread during the reporting year in acre-feet _____

E. After applying a _____% loss factor, the total amount of water recharged during the reporting period in acre-feet is: _____

F. Total amount of stored water recovered during reporting year in acre-feet _____

G. Total amount of water stored at end of reporting year (B + E - F) in acre-feet _____

H. Total amount of this stored water that was banked for use outside Adjudicated Area in acre-feet _____

H.I. If water was recovered during the reporting year, state the place, well number, and APN(s), purpose and amount of use, and specify the amounts delivered/used outside of the Adjudicated Area

1. _____
2. _____

H.J. If stored water was used to satisfy a Replacement Water obligation, state the Producer, place and APN(s) and amount of use

1. _____
2. _____

H.K. Other Information (any monitoring data required under the agreement should be attached)

ANTELOPE VALLEY WATERMASTER

I certify to the best of my knowledge and belief that the information provided on this Report is true and correct.

Signature of Party Representative _____ Date _____

Regular Meeting
April 24, 2019

**Resolution No. R-19-13
Memorandum Concerning
Small Pumper Class Water Rights**

RESOLUTION NO. R-19-13

**ADOPTING MARCH 15, 2019 MEMORANDUM FROM GENERAL COUNSEL
CONCERNING SMALL PUMPER CLASS WATER RIGHTS**

WHEREAS, the Antelope Valley Watermaster, formed by the Antelope Valley Groundwater Cases Final Judgment (“Judgment”), Santa Clara Case No. 1-05-CV-049053 signed December 23, 2015, is to administer the Judgment; and

WHEREAS, issues have arisen on how the Judgment should be implemented in relation to the Small Pumper Class whose rights, duties and responsibilities are set forth in the Judgment; and

WHEREAS, at the Watermaster’s direction, General Counsel for the Watermaster prepared a memorandum dated March 15, 2019 concerning Small Pumper Class water rights that addresses various issues in relation to the Small Pumper Class and that March 15, 2019 memorandum has been reviewed and commented upon by the Advisory Committee at its March 21, 2019 meeting and public comment on that March 15, 2019 memorandum has been taken and considered at the March 27, 2019 meeting of the Watermaster Board and again at the April 24, 2019 meeting of the Watermaster Board; and

WHEREAS, the Watermaster wishes to adopt the March 15, 2019 memorandum of its General Counsel and to direct that it be incorporated into the final set of Rules and Regulations that are being prepared for adoption by the Watermaster Board and approval by the Court.

NOW, THEREFORE, BE IT RESOLVED, that the Watermaster Board unanimously adopts the March 15, 2019 Memorandum of its General Counsel concerning Small Pumper Class water rights and directs that the memorandum be incorporated into the final set of Rules and Regulations being prepared for Board adoption and approval by the Court.

I certify that this is a true copy of Resolution No. R-19-13 as passed by the Board of Directors of the Antelope Valley Watermaster at its meeting held April 24, 2019, in Palmdale, California.

Date: _____

Robert Parris, Chairman

ATTEST: _____
Patricia Rose – Secretary



MEMORANDUM

TO: Antelope Valley Watermaster Board DATE: March 15, 2019
FROM: Craig A. Parton FILE NO.: 23641-1
 General Counsel to the Watermaster
Cc: Watermaster Engineer
SUBJECT: Small Pumper Class Water Rights – “Households” and/or “Parcels”

I. Introduction

The Watermaster has recently encountered Small Pumper Class Members who own multiple parcels, only some of which are improved with a well and/or a house. These Parties take the position that each of their parcels should be allowed to pump up to 3 acre-feet per year, per Paragraphs 5.1.3 of the Judgment. Likewise, Small Pumper Class Members owning a parcel improved with multiple wells or multiple houses, or even multiple improved parcels, may take the position that they should be allowed to pump up to 3 acre-feet per house and/or per well. Whereas in the past Small Pumper Class Members have demonstrated that each parcel they own is improved with either a well or a house, this presents a new scenario that the Watermaster must address on a consistent basis moving forward. The Small Pumper Class Members with unimproved parcels are generally outliers within the Small Pumper Class, as they tend to be agricultural operators and not representative of the class majority of residential users.

II. Question Presented

What does the Judgment mean when it says that each Small Pumper Class “household” or “parcel” may produce up to 3 acre-feet per year? In particular, what is the result when a Small Pumper Class Member owns multiple parcels, but not all of the parcels are improved with a well and/or a house? May each parcel owned by the Small Pumper Class Member pump up to 3 acre-feet per year, or only those parcels improved with a well and/or a house as of the date of the Judgment? What if a single parcel is improved with multiple wells and/or houses, or a Small Pumper Class Member owns multiple improved parcels?

III. Brief Answer

The plain language of the Judgment is ambiguous, although the most reasonable interpretation is that Small Pumper Class Members’ rights to produce groundwater only attach to parcels improved with a well and/or a house. Completely unimproved parcels, even if

contiguous to a Small Pumper Class parcel improved with a well or a house, do not also have water rights.

IV. Legal Analysis

The plain language of the Judgment discussing Small Pumper Class water rights provides very little clarity, as different sections suggest different conclusions. Most sections of the Judgment reference only “household(s),” suggesting that water rights attach only to homes using groundwater as of the date of the Judgment. Some sections reference only “parcel(s)” on which water is pumped, indicating that the parcel must have been improved with an active well as of the date of the Judgment. Other sections refer to “household(s)” or “parcel(s).” The below analysis provides a recommended interpretation of each section of the Judgment that references Small Pumper Class water rights.¹

A. DEFINITIONS (3.5)

The Small Pumper Class is defined as those persons and entities that historically pumped less than 25 acre-feet per year “on their property.” (3.5.44.) “[W]here two or more Small Pumper Class Members reside in the same household, they shall be treated as a single Small Pumper Class Member for purposes of determining water rights.” (3.5.45.)

This language demonstrates that Small Pumper Class water rights attach to the household (or the “property”) rather than the individual Small Pumper Class Members, but does not clarify when and how water rights attach to a parcel owned by a Small Pumper Class Member. This language does suggest that Small Pumper Class water rights are overlying water rights (*i.e.*, historical pumping “on their property”), which are defined as “the owner’s right to take water from the ground underneath for use on his land within the basin or watershed; it is based on the ownership of the land and is appurtenant thereto.” (*City of Barstow v. Mojave Water Agency* (2000) 23 Cal. 4th 1224, 1240.) Viewed as an overlying right, a Small Pumper Class water right only attaches to a parcel if the water is actually pumped on that particular parcel. Other parcels owned by a Small Pumper Class Member, but not improved with a well or a household, would unlikely hold an exercised overlying groundwater right under California law. This may also explain the use of the term “household,” which was likely intended to ensure that each Small Pumper Class house would also receive water rights despite no well existing on the parcel, or when a single well on a parcel serves multiple homes thereon.

B. SMALL PUMPER CLASS PRODUCTION RIGHTS (5.1.3)

“Allocation of water to the Small Pumper Class is set at an average Small Pumper Class Member amount of 1.2 acre-feet per existing household or parcel based upon the 3172 known Small Pumper Class Member parcels at the time of this Judgment.” (5.1.3 (emphasis added).)

¹ All citations are to Paragraphs of the Judgment unless otherwise indicated.

Memo to: Antelope Valley Watermaster Board
Re: Small Pumper Class Water Rights – “Households” and/or “Parcels”
March 15, 2019
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“Any Small Pumper Class Member may Produce up to and including 3 acre-feet per Year per existing household for reasonable and beneficial use on their overlying land.” (*Ibid* (emphasis added).) This language again supports the position that Small Pumper Class water rights are overlying water rights, and therefore attach only to a parcel improved with a house or a well that was using or pumping groundwater as of the date of the Judgment (*City of Barstow*, 23 Cal. 4th at 1240), not to unimproved neighboring parcels to which water is transported but on which no water is pumped. Unfortunately, the fact that the average Small Pumper Class amount is based on existing households or parcels, whereas only Small Pumper Class households may produce up to 3 acre-feet per year, adds to the ambiguity on the face of the Judgment.

“A Small Pumper Class Member who is lawfully, by permit, operating a shared well with an adjoining Small Pumper Class Member, shall have all of the same rights and obligations under this Judgment without regard to the location of the shared well, and such shared use is not considered a prohibited transfer of a pumping right under Paragraph 5.1.3.3.” (5.1.3.) This language suggests that a Small Pumper Class Member who owns a parcel with a house but not a well may hold a Small Pumper Class water right based solely on water pumped from an adjoining Small Pumper Class parcel owned by a third party

“Should the Watermaster develop a reasonable belief that a Small Pumper Class Member household is using in excess of 3 acre-feet per Year, the Watermaster may cause to be installed a meter on such Small Pumper Class Member’s well at the Small Pumper Class Member’s expense.” (5.1.3.2 (emphasis added).) This language, combined with the language in Paragraph 5.1.3, suggests that no single Small Pumper Class household may pump in excess of 3 acre-feet per year, period. If each parcel owned by a Small Pumper Class Member were allowed to pump up to 3 acre-feet per year, and a member owned three parcels but only one with a well, then the Small Pumper Class Member household could technically pump up to 9 acre-feet per year without being subject to Replacement Water Assessment. This interpretation does not align with the language in the Judgment limiting each household to up to 3 acre-feet per year. The omission of the word “parcel” from this language also indicates that the Judgment was intended to limit each Small Pumper Class Member’s water rights, rather than broaden the water rights by allowing each parcel to pump up to 3 acre-feet per year regardless of the existence of a well or a house.

“The pumping rights of Small Pumper Class Members are not transferable separately from the parcel of property on which the water is pumped.” (5.1.3.3 (emphasis added).) This implies that it would be impossible to transfer a water right from a parcel that does not pump water. Thus, the logical interpretation of this language is that parcels not improved with a well were not intended to receive water rights, as the language focuses specifically on the parcel of property “on which the water is pumped.” Because of the provisions of Paragraph 5.1.3 discussed above, this interpretation should not impact parcels that are improved with a house (or houses) but pump water from a well on another parcel.

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Furthermore, “a Small Pumper Class Member may move their water right to another parcel owned by that Small Pumper Class Member with approval of the Court.” (5.1.3.3.) This again indicates that the Small Pumper Class Member’s ability to pump up to 3 acre-feet per year is only associated with the parcel from which water is pumped, not other parcels owned by the Small Pumper Class Member that are not improved with a well (or a house). In other words, if Small Pumper Class Members’ contiguous parcels were each given water rights, why would a Small Pumper Class Member need to utilize this water rights transfer procedure?

“The pumping rights of Small Pumper Class Members may not be aggregated for use by a purchaser of more than one Small Pumper Class Member’s property.” (5.1.3.3.) This clearly indicates that Small Pumper Class water rights attach to the land rather than the person or entity, but does not clarify the household/parcel distinction. In other words, a Small Pumper Class parcel cannot transfer its right to pump up to 3 acre-feet per year to another, separately owned, parcel so as to increase the water rights on the second separately owned parcel.

“[A]ny additional household constructed on a Small Pumper Class Member parcel after the Class Closure Date is not entitled to a Production Right as set forth in Paragraphs 5.1.3 and 5.1.3.1.” (5.1.3.5.) This language implies that Small Pumper Class parcels may have multiple households, with each household allowed to pump up to 3 acre-feet per year as long as the houses existed as of the date of the Judgment. Likewise, Unknown Small Pumper Class Members are defined as, *inter alia*, “any unidentified households existing on a Small Pumper Class Member parcel prior to the Class Closure Date” (5.1.3.6.), which also implies that a Small Pumper Class parcel may contain more than one household, each allowed to pump up to 3 acre-feet per year.

C. MISCELLANEOUS PROVISIONS (20.4)

“A Party simultaneously may be a member of the Small Pumper Class and hold an Overlying Production Right by virtue of owning land other than the parcel(s) meeting the Small Pumper Class definition.” (20.4.) This language implies the obvious conclusion that a Small Pumper Class Member may own multiple Small Pumper Class Parcels, but again does nothing to clarify whether each Small Pumper Class parcel must be improved with a well and/or a house in order to receive a water right.

V. Discussion

The majority of the sections of the Judgment support allowing only households or parcels with wells and/or houses to pump up to 3 acre-feet per year. However there is little clarity regarding these water rights for Small Pumper Class parcels with multiple houses and/or wells, or Small Pumper Class Members who own multiple improved parcels.

First: the most reasonable interpretation of the Judgment is that unimproved parcels do not have water rights. Given the Small Pumper Class’s allocation of the Native Safe Yield, it does not appear that Small Pumper Class Members were intended to receive an additional water right for unimproved parcels they may also own. An important question arises, for example, in the case of Long Valley Road LP, which owns five parcels, one improved with two wells, and four unimproved parcels using water pumped from the wells on the improved parcel. May Long Valley pump up to 3 acre-feet per year for the single improved parcel (*i.e.*, up to 3 acre-feet per year total), or may each of its wells pump up to 3 acre-feet per year (for a total of up to 6 acre-feet per year)? Depending upon the interpretation of the Judgment, Long Valley could pump up to anywhere from 3 to 6 acre-feet per year, but does not have water rights associated with any of the four unimproved parcels.²

Second: although Long Valley is an outlier within the Judgment, it raises the question as to how much a Small Pumper Class Member may pump per year without incurring a Replacement Water Assessment if it owns a parcel improved with multiple homes and/or wells, or if it owns multiple parcels each improved with a well and/or a home. The hypotheticals below should help address these scenarios moving forward.

Third: assuming unimproved Small Pumper Class parcels do not have water rights, one likely result is that such parcels may belong to the Non-Pumper Willis Class. In this situation, the Small Pumper Class Members who own such “Willis Class” parcels would be required to submit an application for New Production for each parcel, which should be addressed on a case-by-case basis as the issue arises.

VI. Hypotheticals

A. Single Parcel

i. Well Only

Entity, a Small Pumper Class Member, owns Parcel X, which is improved with a well but not a house, and which otherwise satisfies the Small Pumper Class historical production requirement.

It is clear that Entity may pump up to 3 acre-feet per year from Parcel X without incurring a Replacement Water Assessment. If Entity sells Parcel X to Individual, the right to pump up to 3 acre-feet per year clearly remains with Parcel X and is transferred to Individual as the subsequent owner. Finally, if Entity also owns Parcel Y, which is not contiguous to Parcel X

² For Parties like Long Valley, this does not mean that they will limit their groundwater production to less than 3 acre-feet per year, but rather impacts the amount of Replacement Water Assessment the Party will pay, because the Party will likely continue to pump in excess of the threshold for incurring a Replacement Water Assessment.

and is unimproved with a well or a house, Entity may clearly transfer the right to pump up to 3 acre-feet per year on Parcel X to Parcel Y with approval of the Court.

If, however, Parcel Y is improved with a well and otherwise satisfies the Small Pumper Class historical production requirement, may Entity transfer its right to pump up to 3 acre-feet per year on Parcel Y to Parcel X, in which case it will have the right to pump up to 6 acre-feet per year from the well on Parcel X without incurring a Replacement Water Assessment? The Judgment only prohibits the aggregation of Small Pumper Class water rights “for use by a purchaser of more than one Small Pumper Class Member’s property.”

ii. Well & House

Same facts as hypothetical VI.A.i, except Parcel X is improved with both a well and a house. May Entity pump up to 3 acre-feet per year for to the house *and* up to 3 acre-feet per year for the well, or just up to 3 acre-feet per year for Parcel X total? The Judgment is unclear, but given the language limiting each household to 3 acre-feet per year before incurring a Replacement Water Assessment, the likely result is that Parcel X may pump up to 3 acre-feet per year total.

iii. Multiple Houses

Same facts as hypothetical VI.A.i, except Parcel X is improved with one well and two separate houses. Is each house considered a “household” and therefore allowed to pump up to 3 acre-feet per year each, or is Parcel X just allowed to pump up to 3 acre-feet per year total? The term “household” was possibly included in the Judgment to account for circumstances like this, such that multiple households on a single parcel as of the date of the Judgment would each be allowed to pump up to 3 acre-feet per year. The Judgment is unclear on this issue, and the Watermaster should make a decision regarding the water rights of multiple houses on the same parcel that existed as of the date of the Judgment. The second definition of Unknown Small Pumper Class Members in paragraph 5.1.3.6 supports allowing each such household to pump up to 3 acre-feet per year.

iv. House Only

Same facts as hypothetical VI.A.i, except Parcel X is improved with a house but no well, and the house receives its water from a well on a neighboring property, also owned by a Small Pumper Class Member. Assuming there is a shared well agreement, Paragraph 5.1.3 clearly allows the house on Parcel X to pump up to 3 acre-feet per year, and the well on the adjoining parcel may pump up to 3 acre-feet per year for the benefit of Parcel X. Even if there is no shared well agreement, and the neighboring parcel is not owned by a Small Pumper Class Member, Parcel X is still likely allowed to pump up to 3 acre-feet per year for its household.

v. *Two Wells*

Same facts as hypothetical VI.A.i, except Parcel X is improved with two wells. Entity may claim it is entitled to pump up to 6 acre-feet per year. Given that the Judgment very clearly allows each parcel (or household) to pump up to 3 acre-feet per year, the likely result is that Parcel X may only pump up to 3 acre-feet per year for both wells combined.

B. **Multiple Contiguous Parcels**

i. *Both Improved*

Entity, a Small Pumper Class Member, owns Parcel X, which is improved with a well but not a house, and also owns contiguous Parcel Y, which is improved with a house but not a well. Assume both Parcel X and Parcel Y otherwise satisfy the Small Pumper Class historical production requirement.

Entity may claim that Parcel X is allowed to pump up to 3 acre-feet per year, and Parcel Y is also allowed to pump up to 3 acre-feet per year. Given that the Small Pumper Class was intended to apply primarily to small residential users, a reasonable interpretation of the Judgment would allow Entity to pump up to 3 acre-feet per year total, despite the fact that both parcels it owns are “improved.” Situations like this may need to be addressed on a case-by-case basis.

ii. *One Improved & One (or More) Unimproved*

Same facts as hypothetical VI.B.i, except Parcel X is improved with both a well and a house, and Parcel Y is unimproved (no well and no house) but uses water pumped from Parcel X for agricultural or other purposes on Parcel Y. Parcel X satisfies the Small Pumper Class historical production requirement, and Entity alleges that Parcel Y has always used water pumped from the well on Parcel X. May Parcel Y pump up to 3 acre-feet per year without incurring a Replacement Water Assessment? May Entity pump up to 6 acre-feet per year from Parcel X, some of which will benefit Parcel Y, just because the historical production on Parcel X always benefitted Parcel Y, and despite the fact that no water has ever been pumped from Parcel Y?

As set forth above, the reasonable interpretation of the Judgment and California law related to overlying groundwater rights indicate that Parcel Y may not pump any water without incurring a Replacement Water Assessment because it has not demonstrated an exercised right to pump groundwater on the overlying parcel. If this is the result, Entity could seek approval of the Court to transfer its right to pump up to 3 acre-feet per year from Parcel X to Parcel Y.

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VII. Conclusion

The likely result is that unimproved parcels do not have Small Pumper Class water rights, period. An internal discussion of the policy impacts related specifically to the above hypotheticals will be an important first step in determining how the Watermaster should treat applications for Small Pumper Class Members who own multiple parcels improved with a well and/or a house, or a parcel improved with multiple houses and/or wells. Some scenarios will need to be addressed on a case-by-case basis.

Regular Meeting
April 24, 2019

**Resolution No. R-19-14
Small Pumper Class Limits**

RESOLUTION NO. R-19-14

**ADOPTING APRIL 5, 2019 MEMORANDUM FROM GENERAL COUNSEL
CONCERNING LIMITS ON NUMBER OF UNKNOWN SMALL PUMPER CLASS
MEMBERS**

WHEREAS, the Antelope Valley Watermaster, formed by the Antelope Valley Groundwater Cases Final Judgment (“Judgment”), Santa Clara Case No. 1-05-CV-049053 signed December 23, 2015, is to administer the Judgment; and

WHEREAS, issues have arisen on how the Judgment should be implemented in relation to the issue of limits on the number of unknown Small Pumper Class Members whose rights, duties and responsibilities are set forth in the Judgment; and

WHEREAS, at the Watermaster’s direction, General Counsel for the Watermaster prepared a memorandum dated April 5, 2019 concerning the issues related to limits on the number of unknown Small Pumper Class Members and that April 5, 2019 memorandum has been reviewed and commented upon by the Advisory Committee at its April 18, 2019 meeting and public comment on that April 5, 2019 memorandum has been taken and considered at the April 24, 2019 meeting of the Watermaster Board; and

WHEREAS, the Watermaster wishes to adopt the April 5, 2019 memorandum of its General Counsel and to direct that it be incorporated into the final set of Rules and Regulations that are being prepared for adoption by the Watermaster Board and approval by the Court.

NOW, THEREFORE, BE IT RESOLVED, that the Watermaster Board unanimously adopts the April 5, 2019 Memorandum of its General Counsel concerning the issues related to limits on the number of unknown Small Pumper Class Members and directs that the memorandum be incorporated into the final set of Rules and Regulations being prepared for Board adoption and approval by the Court.

I certify that this is a true copy of Resolution No. R-19-14 as passed by the Board of Directors of the Antelope Valley Watermaster at its meeting held April 24, 2019, in Palmdale, California.

Date: _____

Robert Parris, Chairman

ATTEST: _____
Patricia Rose – Secretary



MEMORANDUM

TO: Antelope Valley Watermaster Board DATE: April 5, 2019

FROM: Craig A. Parton FILE NO.: 23641-1
 General Counsel to the Watermaster

Cc: Watermaster Engineer

SUBJECT: Limit on Number of Unknown Small Pumper Class Members

I. Question Presented

Considering the monthly addition of unknown Small Pumper Class Members, does the Judgment provide guidance on what to do if the number of Small Pumper Class Members continues to grow, arguably creating a material impact on the Native Safe Yield of the Basin?

II. Brief Answer

The Judgment indicates that an unlimited number of unknown Small Pumper Class Members may be admitted to the Judgment. The Small Pumper Class’ aggregate Production Right is set at 3806.4 AFY, divided equally among all Small Pumper Class Members regardless of the total number. However the Judgment includes a procedure whereby the 3 AFY threshold for incurring a Replacement Water Assessment may be reduced based upon an analysis of the Small Pumper Class’ actual Native Safe Yield Production. This procedure for reduction of the 3 AFY threshold may help protect the health of the Basin while allowing for the unlimited addition of unknown Small Pumper Class Members.

III. Discussion

The Board has grown increasingly concerned that the continued addition of Small Pumper Class Members will eventually impact the health of the Basin given that each additional Small Pumper Class Member is allowed to Produce up to 3 AFY without incurring a Replacement Water Assessment. Although the Court determined that “any Production by unknown Small Pumper Class Members is . . . deemed to be *de minimis*” (5.1.3.7), the Board has asked whether and when the increasing number of Small Pumper Class Members may be deemed more than “*de minimis*,” and whether the Watermaster may therefore begin to deny unknown Small Pumper Class Member applications on this basis.

One proposed solution was to request that the Watermaster Engineer conduct an analysis of the impact Small Pumper Class Production will have on the health of the Basin as their numbers continue to grow. If the Watermaster Engineer could quantify the maximum number of

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Small Pumper Class Members that may produce up to 3 AFY without harming the health of the Basin, then the Board could potentially use this number as an eventual cap on unknown Small Pumper Class Members admitted under Paragraph 5.1.3.7.

Upon further analysis, this approach seems to be contrary to the intent of the Judgment. The Small Pumper Class' aggregate Production Right is 3806.4 AFY, set at an average Small Pumper Class Member amount of 1.2 AFY per existing household or parcel for the "3172 known Small Pumper Class member parcels" at the time of the Judgment. (5.1.3.) Small Pumper Class Members may Produce up to and including 3 AFY without incurring a Replacement Water Assessment. (*Ibid.*) This aggregate Production Right was apparently based on the Technical Report prepared by GSI Water Solutions, Inc. (GloTrans Doc. # 10116).

This language suggests that the Small Pumper Class is allocated a total Production right of 3806.4 AFY, to be divided equally among all Small Pumper Class Members. Because the majority of Small Pumper Class Members' Production is not monitored, the Judgment set a threshold of 3 AFY before a Replacement Water Assessment is imposed, likely based on the presumption that the majority of Small Pumper Class Members will never reach that threshold, and will more likely remain closer to or below the designated average of 1.2 AFY. Thus the determination that Production by unknown Small Pumper Class Members is likely *de minimis*.

Importantly, this 3 AFY threshold may be adjusted based on a statistically credible study and analysis of the Small Pumper Class' actual Native Safe Yield Production over at least a three Year period. (5.1.3.1.) Any such reduction in the 3 AFY threshold must be mandated by the Court after notice and a hearing, as well as a determination that Water Code section 106 may apply so as to prevent such a reduction. (*Ibid.*)

This indicates that although the allocation of an aggregate 3806.4 AFY Production Right for the entire Small Pumper Class is fixed, the 3 AFY threshold to be crossed before each Small Pumper Class Member incurs a Replacement Water Assessment is flexible and subject to reduction in order to protect the health of the Basin. This procedure was likely included in part to provide this flexibility in administering the Judgment so as to prevent an increased number of Small Pumper Class Members from exceeding the Small Pumper Class Member allocation of the Native Safe Yield.

Allowing unlimited unknown Small Pumper Class Members to join the Judgment also comports with the requirements in the Judgment that Small Pumper Class water rights are protected by Water Code section 106 (5.1; 5.1.3.1), which declares "that the use of water for domestic purposes is the highest use of water."

VII. Conclusion

The conclusions in this memorandum are subject to revision based on comments from Parties and representatives with additional information regarding the intent of the Judgment's

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provisions for the Small Pumper Class. Additional information may help inform and further develop this analysis.

Regular Meeting
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April 24, 2019

**AV Watermaster
Water Meter Compliance Letters
Overlying Producers (Exhibit 4)**

Letter 1 - 90 Days (Non-Compliant)
Letter 2 - 60 Days (Cooperating)
Letter 3 - 30 Days (Need Additional Documentation)

Producer	Letter Type	Date of Letter	1st Letter Sent			Notes
			Days	Respond By	Letter Status	
50th Street Association Water System	Letter 1	3/1/19	90	5/30/19	No Response	RCSO
Antelope Valley Mobile Estates	Letter 1	3/1/19	90	5/30/19	In Progress	3/19/19 Working with Bryant Pump
AV Solar Ranch 1, LLC	Letter 1	3/1/19	90	5/30/19	No Response	
Averydale Mutual Water Company	Letter 2	3/1/19	60	4/30/19	In Progress	Working with Wes Curry
Baxter Mutual Water Company	Letter 1	3/1/19	90	5/30/19	In Progress	Called Wes Curry and he hasn't returned information
Big Rock Mutual Water Company	Letter 1	3/1/19	90	5/30/19	No Response	
Bleich Fiat Mutual Water Company	Letter 1	3/1/19	90	5/30/19	No Response	
Blum; Sheldon R. Blum, Trustee of the 1998 Family Trust	Letter 2	3/1/19	60	4/30/19	In Progress	
Bookman; Thomas and Julie Bookman 2007 Trust	N/A	-	-	-	- Need Letter	
Borax: U.S. Borax	Letter 1	3/1/19	90	5/30/19	Responded	Email from Nathan Frances - he will check on meter compliance
Bridwell; James and Elizabeth Bridwell	Letter 1	3/1/19	90	5/30/19	No Response	
Brittner Trust, Glen Brittner, Trustee	Letter 1	3/1/19	90	5/30/19	No Response	
Burrows/200 A40 H LLC	Letter 1	3/1/19	90	5/30/19	Letter Returned	
Carle; Irma Ann Carle Trust, Irma-Anne Carle, Trustee	Letter 2	3/1/19	60	4/30/19	No Response	
City of Los Angeles, Department of Airports (AGSOD) (Desert Aire Golf Course Well)	No Letter	-	-	-	- Need Letter	5 out of 10 wells have completed documentation
Close; C. Louise R. Close Living Trust	Letter 1	3/1/19		3/1/19	Letter Returned	Incorrect address
County Sanitation Dist of Los Angeles 14 & 20	Letter 1	3/1/19	90	5/30/19	In Progress	Per email dated 4/16/19 - Roadrunner Pumps is in the process of installing meters
Craig & Marth Van Dam	Letter 1	3/1/19	90	5/30/19	In Progress	
El Dorado Mutual Water Company	Letter 2	3/1/19	60	4/30/19	No Response	
eSolar inc.; Red Dawn Suntower LLC (Transferring to RCSO)	Letter 1	3/1/19	90	5/30/19	No Response	
eSolar Inc.; Sierra Sun Tower, LLC	Letter 1	3/1/19	90	5/30/19	Letter Returned	
eSolar Inc.; Tumbleweed Suntower LLC	Letter 1	3/1/19	90	5/30/19	No Response	

Evans: Lawrence Dean Evans, Jr. and Susan Evans	Letter 1	3/1/19	90	5/30/19	No Response	
Evergreen Mutual Water Company	Letter 1	3/1/19	90	5/30/19	In Progress	Completed 1 of 2 wells
Findley: Ruth C. Findley	Letter 1	3/1/19	90	5/30/19	No Response	
First Mutual Water Company	Letter 1	3/1/19	90	5/30/19	Responded	In the process of being taken over by RCSD
Frankenberg: Leah Frankenberg	Letter 1	3/1/19	90	5/30/19	No Response	
FS Land Holding Co (Bought property from Rosamond Ranch)	Letter 1	3/1/19	90	5/30/19	No Response	
Granite Construction Company (Big Rock Facility)	Letter 1	3/1/19	90	5/30/19	No Response	
Granite Construction Company (Little Rock Sand and Gravel, Inc) (Production rights split w/ Little Rock Sand and Gravel, Co)	Letter 1	3/1/19	90	5/30/19	No Response	
Griffin: Laura Griffin Trustee of the Family Bypass Trust	Letter 3	3/1/19	30	3/31/19	No Response	
Healy: Jane Healy and Healy Enterprises Inc.	Letter 3	3/1/19	30	3/31/19	No Response	
Hernandez: Luis Hernandez Bought property from Gene Bahlman	Letter 2	3/1/19	60	4/30/19	No Response	
Land of Promise Mutual Water Company	Letter 3	3/1/19	30	3/31/19	No Response	
Lane Family Trust	Letter 3	3/1/19	30	3/31/19	In Progress	Completed 1 of 7 possible wells
LeClair: Marie A. Unini and Robert J. LeClair	Letter 1	3/1/19	90	5/30/19	No Response	
Littlerock Sand and Gravel Co	No Letter	-	-	-	- Need Letter	
Llano Del Rio Water Company	Letter 1	3/1/19	90	5/30/19	No Response	
Llano Mutual Water Company	Letter 1	3/1/19	90	5/30/19	No Response	
Munz: 2014 Revocable Trust, Terry A. & Kathleen M. Munz	Letter 1	3/1/19	90	5/30/19	No Response	
Nick & Janet Van Dam	Letter 1	3/1/19	90	5/30/19	In Progress	
Noel Pool Bought Property from Sai and Connie Cardile	Letter 1	3/1/19	90	5/30/19	No Response	
Northrop Grumman Systems Corporation	Letter 1	3/1/19	90	5/30/19	In Progress	Clynton Namuo Attorney
Richter: Suzanne J. Richter	Letter 1	3/1/19	90	5/30/19	No Response	
Rosamond High School	Letter 1	3/1/19	90	5/30/19	No Response	
Rose Villa Apartments	Letter 1	3/1/19	90	5/30/19	No Response	
Saint Andrew's Abbey, Inc.	Letter 2	3/1/19	60	4/30/19	In Progress	Working with Wes Curry
SGS Antelope Valley Development, LLC	Letter 1	3/1/19	90	5/30/19	Responded	
Sheep Creek Water Company	Letter 2	3/1/19	60	4/30/19	In Progress	Per 2018 production report - Well is drilled but not complete.
Sonrise Ranch, LLC	Letter 1	3/1/19	90	5/30/19	No Response	
Sundale Mutual Water Company	Letter 1	3/1/19	90	5/30/19	In Progress	Vanessa called working with Wes Cury

Terrazas: Gloria Terrazas Bought property from Mark W. And Nancy L. Benz	Letter 1	3/1/19	90	5/30/19	No Response	
Tierra Bonita Mutual Water Company	Letter 3	3/1/19	30	3/31/19	In Progress	Working with Morrison
Triple M Property Co.	Letter 1	3/1/19	90	5/30/19	No Response	
Turk Trust dated December 16, 1998	Letter 1	3/1/19	90	5/30/19	No Response	
Van Dam Family Trust - 1996; High Desert Dairy	No Letter	-	-	-	In Progress	
WAGAS Land Company LLC	Letter 1	3/1/19	90	5/30/19	Responded	sent multiple letters 3/19/19 PER 2018 PRODUCTION REPORT they are waiting for HOA SUMMER PUMPS TO install meters
Weatherbie: Michael and Dolores A. Weatherbie	Letter 1	3/1/19	90	5/30/19	In Progress	
West Side Park Mutual Water Co.	Letter 3	3/1/19	30	3/31/19	No Response	Incomplete per Chad
Willow Springs Company: Richard Nelson	Letter 1	3/1/19	90	5/30/19	In Progress	Received a letter per Craig email - Willow will comply dated 3-22-19
Wilson: Donna Wilson	Letter 1	3/1/19	90	5/30/19	Responded	

Adams Bennett Investments, LLC	Letter 1	3/1/19	90	5/30/19	Complete	Reported they have No Wells
Antelope Park Mutual Water Company	Letter 2	3/1/19	60	4/30/19	Complete	Documentation Complete
Antelope Valley Joint Union High School District	N/A	-	-	-	Complete	Documentation Complete
Antelope Valley Water Storage LLC	N/A	-	-	-	Complete	Documentation Complete
Antelope Valley-East Kern Water Agency	N/A	-	-	-	Complete	Documentation Complete
Aqua-J Mutual Water Company	N/A	-	-	-	Complete	Documentation Complete
Bothouse Properties LLC	N/A	-	-	-	Complete	Documentation Complete
Calandri Water Company, LLC (Sunrise Farms)	N/A	-	-	-	Complete	Documentation Complete
Chavez: Effren Chavez	N/A	-	-	-	Complete	Documentation Complete
Colorado Mutual Water Company	N/A	-	-	-	Complete	Documentation Complete
Copa De Oro Land Company	Letter 1	3/1/19	90	5/30/19	Complete	Per Letter dated 4/3/19 - Copa De Oro has no production wells
Del Sur Ranch LLC	N/A	-	-	-	Complete	Per Chad Del Sur Informed Patti well is de-equipped 11/8/18
Diamond Farming/Crystal Organic LLC/Grimmway/Laps	N/A	-	-	-	Complete	Documentation Complete
Dickey: Randall and Billie Dickey	Letter 1	3/1/19	90	5/30/19	Complete	No water well - Per Randall Dickey
Godde: Steve, Pamela & Gary Godde c/o Rife Silva & Co LLC	N/A	-	-	-	Complete	
Gorrindo Resourceful LLC	N/A	-	-	-	Complete	Complete per Chad (Per production report well is non-operational)
H & N Development Co. West Inc. (RTS Agri)	Letter 3	3/1/19	30	3/31/19	Complete	Complete per Chad
Kyle: Trustees of the Kyle Revocable Living	N/A	-	-	-	Complete	Complete per Chad

Land Projects Mutual Water Company	Letter 2	3/1/19	60	4/30/19	Complete	Complete per Chad
Landaie Mutual Water Co	N/A	-	-	-	- Complete	Complete per Chad
Leer: James M. Leer, III and Diane Leer	Letter 2	3/1/19	60	4/30/19	Complete	Complete per Chad
Litterlock Aggregate Co., Inc., Holiday Rock Co., Inc.	Letter 3	3/1/19	30	3/31/19	Complete	Documentation Complete
Maritorea: Trustees of the Maritorea Living Trust	N/A	-	-	-	- Complete	Well is non-operational
McWilliams: Dennis M. and Diane K. McWilliams	N/A	-	-	-	- Complete	Documentation Complete
Miner: Richard Miner	N/A	-	-	-	- Complete	Complete per Chad
Nebeker: Eugene B. Nebeker	N/A	-	-	-	- Complete	Complete per Chads email 3/7/19
New Golden Sands Investments (Bought Property from Miracle Improvement Corporation d/b/a Golden Sands	Letter 2	3/1/19	60	4/30/19	Complete	Complete per Chads email 3/29/19
NRG Solar Alpine, LLC	Letter 1	3/1/19	90	5/30/19	Complete	Complete per Chad
R and M Ranch, Inc. (Documentation completed by Kyle & Kyle)	N/A	-	-	-	- Complete	Well De-Equipped Per letter dated 3/18/19
Radcast (production rights from merger with Landiv Inc.)	Letter 1	3/1/19	90	5/30/19	Complete	Documentation is Complete
Reca: John and Adrienne Reca	N/A	-	-	-	- Complete	Well has no equipment
Sahara Nursery and Farm	N/A	-	-	-	- Complete	Complete Per Chad
Schilling: Lawrence J. and Mary P. Schilling Trustees of the L&M Schilling 1992 Family Trust	N/A	-	-	-	- Complete	Documentation Complete
Seiak: Lilia Mabel Seiak; Barbara Aznarez Decd Trust and Mabel Seiak Trust (LAF from Siebert)	N/A	-	-	-	- Complete	Documentation Complete
Service Rock Products, L.P.	N/A	-	-	-	- Complete	Well disabled per 2018 production report
Shadow Acres Mutual Water Company	N/A	-	-	-	- Complete	Documentation is Complete
Siebert: Jeffrey and Nancee Siebert	N/A	-	-	-	- Complete	Documentation is Complete
Southern California Edison Company	N/A	-	-	-	- Complete	3/29/19 sent Chad an email (Is this meter complete?) NO
Sunnyside Farms Mutual Water Company, Inc.	N/A	-	-	-	- Complete	Documentation completed by Calandri
Tejon Ranchcorp and Tejon Ranch Co.	N/A	-	-	-	- Complete	Documentation is Complete
Tierra Bonita Ranch (Brandon Calandri)	Letter 1	3/1/19	90	5/30/19	Complete	Documentation is Complete
Vulcan Materials Co., Vulcan Lands Inc., Consolidated Rock Products Co., Calmat Lands Co., Allied Concrete & WDS California II, LLC	Letter 3	3/1/19	30	3/31/19	Complete	Documentation is Complete
White Fence Farms Mutual Water Co.	Letter 3	3/1/19	30	3/31/19	Complete	Documentation is Complete
	N/A	-	-	-	- Complete	

Regular Meeting
April 24, 2019

Engineer's Report

Regular Meeting
April 24, 2019

Meter Compliance Update

Updated April 10, 2019

	Number of Possible Wells	Documentation Submitted	Documented Meters
Overlying Producers (Exhibit 4)	276	170	61.59%
Non-Overlying Producers (Exhibit 3)	82	49	59.76%
Other Parties	34	8	23.53%
Small Pumps (Pumping > 3 AFY)	9	3	33.33%
Unauthorized Pumps	Unknown	0	0.00%

Notes:

1. The number of possible wells were calculated using past production reports and meter compliance documentation
2. All Documentation Submitted was provided by Chad Taylor with Todd Groundwater

**Completed Meter Documentation
Overlying Producers (Exhibit 4) Updated April 10, 2019**

Adams Bennett Investments, LLC (No Wells)	McWilliams, Dennis & Diana (Well Non-Operational)	Van Dam Family Trust - 1996; High Desert Dairy Vulkan Materials Co., Vulkan Land Inc, Consolidated Rock Product Co., Allied Concrete & Materials
Antelope Park Mutual Water Company	Miner: Richard Miner	WDS California II, LLC
Antelope Valley-East Kern Water Agency	Nebeker: Eugene B. Nebeker	Westside Park Mutual Water Co
Antelope Valley Joint Union High School District	New Goldensands Investment (Bought property from Goldensands MHIP)	White Fence Farms Mutual Water Co.
Antelope Valley Water Storage, LLC	MRG Solar Apline LLC	William Fisher Memorial Water Company (No Wells)
Aqua-J Mutual Water Company	R & M Ranch, Inc	
Boithouse Properties, LLC	Reca, John & Adrienne	
Calandri Water Company, LLC (Sunrise Farms)	Sahara Nursery and Farm	
Chavez: Effren Chavez	Siebert: Jeffrey and Nancee Siebert (Well Disabled)	
Colorado Mutual Water Company	Schilling: L & M Schilling 1992 Family Trust	
Del Sur Ranch LLC (No Wells)	Selak: Lilia Mabel Selak; Barbara Aznarez Decd Trust and Mabel Selak Trust (Well De-Equipped)	
Diamond Farming/Crystal Organic LLC/Grimmway/Lapis	Service Rock Products, LP	
Dickey: Randall and Billie Dickey (No Wells)	Shadow Acres Mutual Water Company	
Godde: Steve, Pamela & Gary Godde c/o Rife Silva & Co	Sheep Creek Water Company	
Golden Sands Investments	Southern California Edison Company	
Gorrindo Resourceful, LLC (Well Non-Operational)	Sunnyside Farms Mutual Water Company	
H & N Development Co. West Inc. (RTS Agri)	Tejon Ranchcoopt and Tejon Ranch Co.	
Kyle, Gailen & Julie	Tierra Bonita Ranch	
Landale Mutual Water Company	Van Dam: Nick Van Dam , Janet Van Dam	
Leer: James M. Leer, III and Diane Leer		

**Completed Meter Documentation
Other Parties Updated April 10, 2019**

Antelope Valley Country Club
City of Lancaster
Phelan Queen Hills
Robar Enterprises, Inc. HI-Grocery Materials, Co.
West Valley County Water District

**Completed Meter Documentation
Non-Overlying Producers (Exhibit 3) Updated April 10, 2019**

Palmdale Water District
Quartz Hill Water District
West Valley County Water District

**Completed Meter Documentation
Small Pumpers (Pumping >3AFY) Updated April 10, 2019**

William Felder
Long Valley Road, LP

Regular Meeting
April 24, 2019

SGMA Reporting Correspondence



April 8, 2019

Mr. Timothy Ross
California Department of Water Resources
Adjudicated Basins Reporting System
Sustainable Groundwater Management Act (SGMA)

Re: SGMA Reporting for the Antelope Valley Adjudication Area

Dear Mr. Ross,

The Antelope Valley is an adjudicated basin subject to the SGMA reporting requirements. The Judgment was entered December 23, 2015 and the first annual report for calendar year 2016 was submitted to the Court and posted on the SGMA portal on August 1, 2017. The Final 2017 Annual Report was posted on the SGMA portal August 1, 2018 along with the requested annual data.

The 2018 Annual Report is under preparation and will be finalized August 1, 2019. As in previous years, we have selected the "*data are not available*" boxes on the SGMA portal with the explanation that the data will be available and posted with the 2018 Annual Report on August 1, 2019.

Please let us know if you have any questions.

Sincerely,

A handwritten signature in blue ink that reads "Phyllis S. Stanin".

Phyllis S. Stanin
Todd Groundwater, Antelope Valley Watermaster Engineer

Regular Meeting
April 24, 2019

Patti Rose

From: Robert H Brumfield <bob@brumfieldlawgroup.com>
Sent: Friday, April 12, 2019 3:04 PM
To: Craig A. Parton
Cc: Angel Fitzpatrick; Patti Rose; Phyllis Stanin (PStanin@toddgroundwater.com); Kate White (KWhite@toddgroundwater.com); Serena Rivera
Subject: Ritter Family Trust/Mark and Dana Ritter regarding Antelope Valley Watermaster

Good afternoon, Craig. I'm sending this email solely in regards to the water usage issues concerning the Ritter Family Trust and/or Mark and Dana Ritter (collectively the "Ritter's").

We are aware that there was an invoice sent by the Watermaster for 2018 water usage concerning the Ritter's in the total amount of \$337,065. The Ritter's are not able to pay this invoice as I understand it actually is for well more than the entire gross receipts from farming activities in 2018. The Ritter's are requesting relief from payment of that invoice.

In addition, the Ritter's are no longer farming at all, have sold all of their farming equipment, are selling their residence, plan on selling the farming property to a solar power company (who doesn't need water production from the farm property wells), and are moving out of state.

The Ritter's are willing to install meters on their wells if need be and are otherwise willing to cooperate with the Watermaster. Also, the small pumper water allocation for the Ritter's residence is likely sufficient at this point for the property going forward.

The Watermaster controls the process for administering, monitoring and charging for water usage as the case may be. The Watermaster is vested with discretion on how it administers its processes.

Also, as we discussed before, it was always my belief and understanding that the basis of our discussions last year was to get that providing your client with information concerning the actual water production and how that water production would be allowed and charged for on a going forward basis. In no way did I believe that we were exchanging information so that your client could then decide on what the acre foot charge was in December 2018 and apply that retrospectively to water usage earlier in the year 2018. Quite frankly, and from a legal perspective, it seems to me that basic due process and normal business practices do not support such actions.

In any event, the Ritter's do not wish to be litigious and submit that based upon the fairness of the situation and issues set forth above, the invoice for the year 2018 should be abated.

Thank you very much for your time and attention.

Very Truly Yours,

Robert H. Brumfield, III
Law Offices of Robert H. Brumfield, PC
1810 Westwind Drive, Suite 100
Bakersfield, CA 93301

-and-

325 Old Mammoth Road, B4
P.O. Box 146
Mammoth Lakes, CA 93546

Tele (661) 316-3010 | Fax (661) 885-6090

www.brumfieldlawgroup.com

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Please consider the environment before printing this e-mail.

Patti Rose

From: Robert H Brumfield <bob@brumfieldlawgroup.com>
Sent: Friday, April 12, 2019 3:15 PM
To: Craig A. Parton
Cc: Angel Fitzpatrick; Patti Rose; Phyllis Stanin (PStanin@todddgroundwater.com); Kate White (KWhite@todddgroundwater.com); Serena Rivera
Subject: Olin Derrick re Antelope Valley Watermaster

Good afternoon, Craig. I'm sending this email solely in regards to the water usage issues concerning Olin Derrick. As you might recall, Mr. Derrick is over 100 years old and his property is managed by his daughter, Becky Derrick.

For the past 4 years, the Derrick property has been leased to an individual named Kenny Hatcher who has grown alfalfa. My client has not engaged in any active farming for many years, are not in partnership with Mr. Hatcher, and only derive lease payments from Mr. Hatcher which are of course a pittance (slightly less than \$25,000/year) compared to the amount of the invoice sent to Olin Derrick for 2018 which was \$311,865.

Mr. Hatcher's lease is for a period of 10 years and is not set to expire until year 2025. It is my understanding that Mr. Hatcher desires to keep farming. While I do not know, I have recommended that he attempt to find water from a less expensive source than the amount that the Watermaster is attempting to charge per acre foot which does truly seem excessive.

Mr. Derrick does not have the financial wherewithal to pay the Watermaster's invoice that was sent. Mr. Derrick, through his daughter Becky, is requesting 100% relief from payment of that invoice.

I understand that the Derrick's are willing to install meters on their wells if need be and are otherwise willing to cooperate with the Watermaster.

The Watermaster controls the process for administering, monitoring and charging for water usage as the case may be. The Watermaster is vested with discretion on how it administers its processes.

Also, as we discussed before, it was always my belief and understanding that the basis of our discussions last year was to get that providing your client with information concerning the actual water production and how that water production would be allowed and charged for on a going forward basis. In no way did I believe that we were exchanging information so that your client could then decide on what the acre foot charge was in December 2018 and apply that retrospectively to water usage earlier in the year 2018. Quite frankly, and from a legal perspective, it seems to me that basic due process and normal business practices do not support such actions.

In any event, the Derrick's do not wish to be litigious and submit that based upon the fairness of the situation and issues set forth above, the invoice for the year 2018 should be abated.

Thank you very much for your time and attention.

Very Truly Yours,

Robert H. Brumfield, III
Law Offices of Robert H. Brumfield, PC
1810 Westwind Drive, Suite 100
Bakersfield, CA 93301

-and-

325 Old Mammoth Road, B4
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Please consider the environment before printing this e-mail.



MEMORANDUM

TO: Antelope Valley Watermaster Board DATE: April 12, 2019
FROM: Craig A. Parton FILE NO.: 23641-1
 General Counsel to the Watermaster
Cc: Watermaster Engineer
SUBJECT: Watermaster Authority to Waive Assessments

I. Question Presented

Does the Watermaster have the authority to waive assessments due under the Judgment if Parties allege financial hardship?

II. Brief Answer

There is no language in the Judgment explicitly or implicitly authorizing the waiver of any assessments, regardless of whether such waiver is based on financial hardship. In fact the language of the Judgment indicates that the Watermaster shall impose all assessments on all Parties, and includes specific procedures for enforcement against Parties who fail to pay delinquent assessments. If any Parties allege that they cannot afford to pay assessments, they should petition the Court for relief. If the Court orders the Watermaster to waive certain assessments based on financial hardship under the circumstances, such an order may set a precedent to allow the Watermaster to waive assessments in limited circumstances in the future.

III. Discussion

The Watermaster’s authority to impose assessments is discussed in Paragraph 9 of the Judgment. An Administrative Assessment is the amount charged by the Watermaster for costs incurred to administer the Judgment. (§ 3.5.3.) A Balance Assessment is the amount charged by the Watermaster to pay for the costs to purchase, deliver, produce in lieu, or arrange for alternative pumping sources in the Basin. (§ 3.5.7.) A Replacement Water Assessment is the amount charged by the Watermaster to pay for all costs incurred related to Replacement Water. (§ 3.5.41.)

The Replacement Water Assessment is a key component of the Physical solution. “A fundamental premise of the Physical Solution is that all Parties may Produce sufficient water to meet their reasonable and beneficial use requirements in accordance with the terms of this Judgment.” (§ 7.3.) “To the extent that Production by a Producer exceeds such Producer’s right to Produce a portion of the Total Safe Yield as provided in this Judgment, the Producer will pay

Memo to: Antelope Valley Watermaster Board
Re: Watermaster Authority to Waive Assessments
April 12, 2019
Page 2

a Replacement Water Assessment to the Watermaster and the Watermaster will provide Replacement Water to replace such excess production according to the methods set forth in this Judgment.” (*Id.*) Therefore the definition of a Production Right is intertwined with each Party’s obligation to pay a Replacement Water Assessment. (*See* ¶ 3.5.32.)

Except in limited circumstances discussed below, the Watermaster’s imposition of assessments is mandatory in all respects. “Administrative Assessments . . . shall be levied uniformly on an annual basis.” (¶ 9.1 (emphasis added).) “In order to ensure that each Party may fully exercise its Production Right, there will be a Replacement Water Assessment.” (¶ 9.2 (emphasis added).) “[T]he Watermaster shall impose the Replacement Water Assessment on any Producer whose Production of Groundwater from the Basin in any Year is in excess of the sum of such Producer’s Production Right and Imported Water Return Flow available in that Year.” (*Id.* (emphasis added).) Although the Watermaster will consider various conditions when determining whether to adopt a Balance Assessment, the Balance Assessment “shall be assessed on all Production Rights” if one is adopted. (¶ 9.3.)

The only exceptions to the imposition of assessments are during the Rampdown Period, in certain circumstances for the United States, and for Production of Stored Water, In-Lieu Production, or Production of Imported Water Return Flows. (*See* ¶¶ 8.3, 9.1, 9.2.) Although the Watermaster Engineer may determine New Production to be *de minimis* and therefore not subject to Replacement Water Assessment if it is limited to domestic use for one single-family household (¶ 18.5.13.2), this discretion has no bearing on financial hardship, but rather is based on the potential impact to the Basin if the Party fails to pay a Replacement Water Assessment.

While there are limited exceptions to the payment of assessments, the Watermaster has broad powers to impose, collect, and enforce assessments. “Each Party . . . is ordered to pay the assessments authorized in Paragraph 9 of [the] Judgment, which shall be levied and collected in accordance with the procedures and schedules determined by the Watermaster.” (¶ 18.4.12 (emphasis added).) Any delinquent assessment shall bear interest from the due date thereof until paid. (*Id.*) Furthermore, the Watermaster has broad authority to collect delinquent assessments, including placing a lien on the delinquent Party’s property and enjoining such Party’s Production, and must annually certify a list of all unpaid delinquent assessments. (*Id.*) Finally, “[p]ayment of assessments levied by [the] Watermaster . . . shall be made pursuant to the time schedule developed by the Watermaster, notwithstanding any motion for review of Watermaster actions, decisions, rules or procedures, including review of assessments implemented by the Watermaster.” (¶ 20.5.)

This demonstrates that the Watermaster has very little authority, if any, to waive or forgive payment of assessments due under the Judgment. However the “Physical Solution must provide flexibility and adaptability to allow the Court to use existing and future technological, social, institutional, and economic options in order to maximize reasonable and beneficial water use in the Basin.” (¶ 7.2.) This indicates that Parties must look to the Court for relief from assessments based on financial hardship, as the Court may have flexibility when interpreting and

Memo to: Antelope Valley Watermaster Board
Re: Watermaster Authority to Waive Assessments
April 12, 2019
Page 3

enforcing the Judgment in certain situations. If a Party's petition is successful, the Court's order may allow the Watermaster greater discretion in its imposition of assessments by setting a precedent under limited circumstances.

VII. Conclusion

The Watermaster's duties in administering the Judgment focus primarily on ensuring Parties do not exceed their respective Production Rights. The main mechanism for limiting Production, and for remedying harm to the Basin resulting from excess Production, is the imposition of the Replacement Water Assessment. The Judgment includes numerous provisions requiring the Watermaster to impose the Replacement Water Assessment and other assessments, as well as various enforcement mechanisms for Parties who fail to pay delinquent assessments. The lack of any explicit or implicit authority for the Watermaster to waive a Party's assessment obligations is consistent with the key role assessments play in the overall scheme of the Physical Solution. For these reasons, absent an order from the Court, the Watermaster is not authorized to waive any assessments based on financial hardship.

Regular Meeting
April 24, 2019

HANNA AND MORTON LLP

A LIMITED LIABILITY PARTNERSHIP INCLUDING A PROFESSIONAL CORPORATION
LAWYERS

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April 10, 2019

Via Email

Craig A. Parton
Price, Postel & Parma LLP
200 East Carrillo Street, Suite 400
Santa Barbara, CA 93101-2190
cap@ppplaw.com

Re: Wagas Land Company LLC – Compliance with Metering Requirements

Dear Mr. Parton,

As per our recent telephone conversation, I am writing this letter on behalf of Wagas Land Company, LLC as a follow up to Ed Wopschall's earlier letter concerning meters on our three wells. We are not asking to be excused from complying with the meter requirements of the judgment. We are asking for additional time. Here is our situation.

Wagas is not a commercial enterprise. It is a 630 acre shooting and recreational club located on Avenue "A" a mile or so west of the Antelope Valley Freeway. We have no income other than the contributions of our members/owners. We have been in existence since 1925 and currently have fourteen members only five of who are owners and subject to cash calls. We have investigated the installation of meters and we are told it will run about \$20,000 per well. That is \$60,000 and we simply do not have it. However we will have it in the reasonable future if our plans work out.

For nearly 100 years we have provided habitat and limited breeding areas for wildlife, particularly water fowl. We are the last such area in the Antelope Valley other than the Paiute Marsh located on Edwards Airforce Base. As parties to the Antelope Valley Groundwater Adjudication our pumping, after ramp down is complete, will have been reduced to 580 AFA. That is not enough water for our habitat needs.

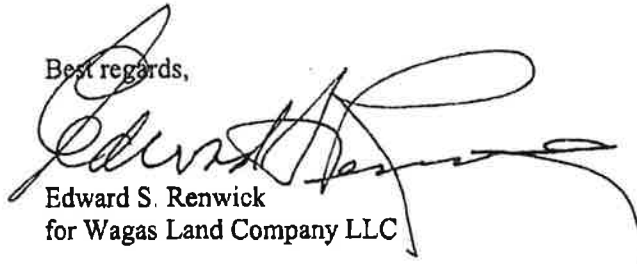
Mr. Parton
April 10, 2019
Page 2

However, we have negotiated an arrangement with Los Angeles County Waterworks District 40 to acquire 2,000 AFA of tertiary treated water from the Los Angeles County Sanitation District No. 14 plant located at Avenue D and the freeway. As part of the deal we will be selling our potable water annually to District 40 which will give us some income that we will devote to habitat development. We hope to build a permanent wildlife preserve that will survive well beyond our use of the property for recreational purposes. Migrating water fowl particularly need locations where they can rest and feed on their long migrations south in the fall and their return migrations in the spring. If they arrive home on the Canadian prairies where 85 % our water fowl are hatched and are in poor condition the hens simply do not reproduce.

Our problem is that our arrangement with district 40 is conditioned upon our obtaining permission from the RWQCB to run the tertiary treated water into ponds. The existing blanket permit only allows the water to be used for agricultural purposes. We have hired an engineering company, Dudek, to help us with that and they are making headway. But until we get RWQCB approval we cannot get final approval from Los Angeles County and until we get final approval from Los Angeles County we cannot raise the necessary money for our project. We can afford to pay our engineering firm, but that is about it.

We really don't know how long it will be before we can raise the necessary money. Certainly it will be at least 6 months or so until we can obtain RWQCB approval. But then it could take us a year or two or more. Any extension of time that we can get on the meter connections will help. Right now we just do not have the money.

Best regards,

A handwritten signature in black ink, appearing to read 'Edward S. Renwick', with a long horizontal flourish extending to the right.

Edward S. Renwick
for Wagas Land Company LLC

ESR:aa

cc via email:

Edward Wopschall: ewopschall@clarkpac.com

William Clayton: claypres@aol.com

Steve Bryant: laspiletasranch@gmail.com

William Gaines: bill@gainesandassociates.net