

**BOARD OF DIRECTORS
SAN BENITO COUNTY WATER DISTRICT
Agenda For
August 26, 2020
Regular Meeting – 5:00 p.m.
30 Mansfield Road – Hollister, California 95023**

Assistance for those with disabilities:

If you have a disability and need accommodation to participate in the meeting, please call Barbara Mauro, Board Clerk, at (831) 637-8218, 48 hours prior to meeting for assistance so the necessary arrangements can be made.

On March 12, 2020, Governor Newsom issued Executive Order N-25-20, which enhances State and Local Governments' ability to respond to COVID-19 Pandemic based on Guidance for Gatherings issued by the California Department of Public Health. The Executive Order specifically allows local legislative bodies to hold meetings via teleconference and to make meetings accessible electronically, in order to protect public health. There will be NO physical location of the meeting for members of the public. Members of the public may participate telephonically. Members of the public participating are instructed to be on mute during the proceedings and to speak only when public comment is allowed, after requesting and receiving recognition from the Board President.

Conference Telephone Number: 844-233-5644

Conference Code: 6753837632

If you plan to participate in the meeting and need assistance, please call
Barbara Mauro, Board Clerk, at (831) 637-8218, 48 hours prior to meeting.

CALL TO ORDER

- a. Pledge of Allegiance to the Flag
- b. Roll Call
- c. Speakers will be limited to 5 minutes to address the Board; rebuttal will be limited to 3 minutes; no new business agenda items will be heard after 8:00 p.m.
- d. Approval of Agenda
- e. Public Input: Members of the Public are Invited to Speak on any Matter not on the Agenda

CONSENT AGENDA:

(Consent items shall be considered as a whole and without discussion unless a particular item is removed from the consent agenda. Board member may discuss individual items or seek information from staff or legal counsel without removing the item from the Consent Agenda. A member of the public should seek recognition by the President if comment is desired. Approval of consent items shall be made by one motion.)

- 1. Approval of Minutes for: July 30, 2020 Regular Meeting
- 2. Allowance of Claims
- 3. Acknowledgement of Paid Claims prior to the August Board Meeting

REGULAR AGENDA:

4. Consider Adopting Vintage Specific Plan Water Supply Assessment as prepared by Todd Groundwater
5. Consider Accepting Vintage Specific Plan Water Quality Impact Assessment, Lima Property near Hollister, California
6. Discuss and Consider Awarding Contract to Kennedy/Jenks for the West Hills Water Treatment Plant Tracer Study and Authorize the District Manager to sign the contract (NTE \$95,356)
7. Discuss and Consider Awarding Contract to Primex for West Hills and Lessalt Water Treatment Plants, SCADA Support for Fiscal Year 2020-2021 and Authorize the District Manager to sign the contract (NTE \$47,430)
8. Consider Resolution Approving Power Letter of Agreement (PLOA) for Fiscal Year 2019 Energy Cost and Fees for replacement of CVP Electrical Power (Energy) and Fees incurred for Storage and/or Conveyance of Yuba Water in Project Facilities (Non-Project Water) Contract 18-WC-20-5318 and Authorize the Board President to sign the Power Letter of Agreement
9. Discuss and Consider date for the Regular Board Meeting in September due to the cancellation of the San Benito County Fair
10. Committee/Agency Representative Reports:
 - a) San Luis Delta Mendota Water Authority (Tonascia/Cattaneo)
 - b) Water Resources Association (Flores/Bettencourt)
11. District Manager/Engineer's Report:
 - a) Reach 1 Operations
 - b) Zone 3 Operations
 - c) Zone 6 Operations
 - d) San Luis Delta Mendota Authority Activities
 - e) Sustainable Groundwater Management Act (SGMA) Update
 - f) Pacheco Reservoir Expansion Project
 - g) Water Infrastructure Improvements for the Nation Act (WIIN) Contract Conversion

12. **CLOSED SESSION:** Conference with Labor Negotiator
Pursuant to Government Code Section 54957.6
Agency Designated Representative: Jeff Cattaneo, District Manager
Employee Organization: SEIU 521 Office and Field Employees Unit
13. **OPEN SESSION:**
Successor Memorandum of Understanding Between San Benito County
Water District and Service Employees International Union Local 521:
- a. Consider Resolution 2020-15 Approving a Successor
Memorandum of Understanding with Service Employees
International Union Local 521
 - b. Authorize Board President to Sign Successor Memorandum
of Understanding with Service Employees International
Union Local 521
14. Adjournment

Adjournment - Unless there is a special meeting prior to that time, the next regular meeting of the Board will be Wednesday, September 23, 2020. Meetings are held at the District office, 30 Mansfield Road, Hollister, California. **LAST DAY TO FILE CLAIMS** against the District is the second Friday of each month, except in November and December. Usually meeting dates change in those months because of holidays. The Board may hold a closed session to discuss personnel matters, litigation or employee negotiations as authorized by the Ralph M. Brown Act, Evidence Code #950-962 or other appropriate State law.

All public records relating to an agenda item on this agenda are available for public inspection at the time the record is distributed to all, or a majority of all, members of the Board. Such records shall be available at the District office located at 30 Mansfield Road, Hollister, California.

July 29, 2020
Regular Meeting
5:08 p.m.

On March 12, 2020, Governor Newsom issued Executive Order N-25-20, which enhances State and Local Governments' ability to respond to COVID-19 Pandemic; this meeting was conducted with some members participating via conference phone. Because of this, all voting was done by roll call vote.

The Board of Directors of the San Benito County Water District convened in regular session on , July 29, 2020 at 5:08 p.m. at the San Benito County Water District office at 30 Mansfield Road, Hollister, California. Members present were: President John Tobias, and Directors Sonny Flores, Joe Tonascia and Doug Williams at the District; Vice President Frank Bettencourt and Supervising Accountant Natalie Sullivan participated via conference call. Also present at the District were District Manager/Engineer Jeff Cattaneo, District Counsel Jeremy T. Liem, Assistant Manager Sara Singleton, Deputy District Engineer Garrett Haertel and Board Clerk/Office Specialist III Barbara Mauro.

CALL TO ORDER

President Tobias called the meeting to order at 5:08 p.m.

- a. **Pledge of Allegiance to the Flag**
President Tobias led the Pledge of Allegiance.
- b. **Roll Call**
Mrs. Mauro called roll. President Tobias and Directors Flores, Tonascia and Williams were in attendance at the District; Vice President Bettencourt was participating via a conference line.
- c. **Speakers will be limited to 5 minutes to address the Board; rebuttal will be limited to 3 minutes; no new business agenda items will be heard after 8:00 p.m.**
- d. **Approval of Agenda**
Mr. Cattaneo asked that item #9(e) be moved up to the first number under the regular agenda, making that #6, leaving #7 as is and moving #6 to #8 and renumbering from there. Noting the proposed change, a motion was made by Director Tonascia and seconded by Director Williams, the Board of Directors approved the Agenda by 5 affirmative votes; Tobias, Bettencourt, Flores, Tonascia and Williams.
- e. **Public Input: Members of the Public are Invited to Speak on any Matter not on the Agenda**
There were no public comments.

CONSENT AGENDA:

1. **Approval of Minutes for:**
June 24, 2020 Regular Meeting
July 13, 2020 Special Meeting
July 20, 2020 Special Meeting

2. **Allowance of Claims**
3. **Acknowledgement of Paid Claims prior to the July Board Meeting**
4. **Acceptance of Quarterly Investment Report, June 30, 2020**
5. **Consider Resolution Amending The Standard Model Conflict of Interest Code For The San Benito County Water District**

With a motion by Director Williams and a second by Director Flores, the Consent Agenda including Resolution #2020-11, *A Resolution of the Board of Directors of the San Benito County Water District Amending the Standard Model Conflict of Interest Code for the San Benito County Water District* were approved by 5 affirmative votes, Tobias, Bettencourt, Flores, Tonascia and Williams.

(District Counsel Jeremy Liem arrived at 5:12 p.m.)

REGULAR AGENDA:

6. **Sustainable Groundwater Management Act (SGMA) Update**
Iris Priestaf, from Todd Groundwater, participating via GoToMeeting, gave the Board an update on SGMA. She used a revised version of the PowerPoint given to the SGMA Technical Advisory Committee (TAC) on July 22, 2020. Items discussed were groundwater levels and storage, minimum thresholds, our storage versus drought and future baselines.

7. **Discuss District participation in the City of San Juan Bautista Water Supply Improvements**
(Participating via the conference line, City of San Juan Bautista's Council Member Leslie Jordan and Karl Bjarke, a consultant hired by the City of San Juan Bautista)

Mr. Cattaneo stated the District has been working with the City of San Juan Bautista (COSJB) for about 15 years regarding their water issue. The COSJB has tried to get funding for a treatment plant to treat San Felipe water, which never came to fruition, and also tried a pellet softening plant, which was unsuccessful. Recently, the District met with the COSJB representatives and discussed some possible solutions such as: an additional well at Betabel Road; treating the existing wells; connection to the West Hills Water Treatment Plant. Mr. Cattaneo stated the connection to West Hills is the preferred choice. Mr. Cattaneo is looking for direction from the Board whether they wish for staff to continue to work with them.

Director Tonascia stated it would be good if the District can provide help to them. Mr. Cattaneo added this would be a good project for the COSJB but also benefit the COSJB regarding future grant funding if the District participates.

President Tobias asked if the District would be the lead if the COSJB go forward with the connection to the treatment plant. Mr. Cattaneo stated the District would need to do some work at the treatment plant and make the connection at Union Road, but the COSJB would have to pipe from Union Road to connect to the COSJB.

President Tobias asked what the process would be. Mr. Cattaneo stated staff has provided the consultant, Mr. Bjarke, with information and then he will meet with the City Council.

Director Flores asked if the District would need an M.O.U. Mr. Cattaneo stated if the District has to expend funds beyond staff time, yes, an M.O.U. between the District and the COSJB would be the next step.

President Tobias asked about a timeline. Mr. Cattaneo deferred to Mr. Bjarke.

Mr. Bjarke stated he would need approximately 2 weeks to evaluate the options, make a selection and then present that selection to the City Council.

Discussion ensued about the pursuit of grants and Mr. Bjarke reported they are looking into the USDA Department of Agriculture which offers grants and low interest loans. The COSJB is also looking for assistance from the District, per Mr. Bjarke.

The Board of Directors agreed to have the District staff continue to work with the COSJB on their water issues.

8. Public Hearing Regarding the Dissolution of Zone 104 which is the zone of benefit for the Fairview Road Water System and Terminating the Project therein

a. Proof of Publication

Mrs. Mauro verified the proof of publication.

b. Historical Review of Zone 104 and discussion regarding the need to Dissolve the Zone and Terminate the Project therein

Mr. Cattaneo gave a brief history of the Fairview Road Water System (FRWS). FRWS was similar to Harmony Hills; they were out of compliance with the State and operating the system on their own, but they needed help. During the time the District has run the system, a new well has been drilled but water quality issues continued. The homeowners were unhappy with the rising costs and asked to have the system returned to them. If approved by the Board, the District would Quit Claim the system in its entirety to the original homeowners. The homeowners will likely separate the system into 2, but that will be their choice.

c. Questions of Directors

Director Tonascia noted the letter from the homeowners was not signed by Mr. Espinoza. Mr. Cattaneo stated he has passed away, but the majority of the homeowners signed, which is what is needed.

d. Open Public Hearing

President Tobias opened the Public Hearing; no one chose to speak.

e. Close Public Hearing or continue to a later date

President Tobias closed the Public Hearing.

f. Consider Approval of Resolution Terminating the Project in Zone 104 and Dissolving the Zone, Fairview Road Water System

With a motion by Director Tonascia and a second by Vice President Bettencourt, Resolution #2020-12, *A Resolution of the Board of Directors of the San Benito County Water District Terminating the Project in Zone 104 and Dissolving the Zone, Fairview Road Water System*, was approved by the Board of Directors by 5 affirmative votes, Tobias, Bettencourt, Flores, Tonascia and Williams.

- 4

- f) **Water Infrastructure Improvements for the Nation Act (WIIN) Contract Conversion**
As per Mrs. Singleton; the District is waiting for the Bureau. She expects to hear back from them early next week.
11. **CLOSED SESSION: Conference with Labor Negotiator**
Pursuant to Government Code Section 54957.6
Agency Designated Representative: Jeff Cattaneo, District Manager
Employee Organization: SEIU 521 Office and Field Employees Unit
12. **CLOSED SESSION: Conference with Labor Negotiator**
Pursuant to Government Code Section 54957.6
Agency Designated Representative: Jeff, Cattaneo, District Manager
Unrepresented Employees: Management/Confidential/Professional Employees: Accountant, Assistant Engineer, Associate Engineer, Deputy District Engineer, Human Resources/Administrative Assistant, Operations and Maintenance Manager, Senior Engineer, Supervising Accountant, Water Conservation Program Manager
13. **CLOSED SESSION: Conference with Legal Counsel—Anticipated Litigation**
Initiation of litigation pursuant to paragraph (4) of subdivision (d) of Section 54956.9: One potential case.
(The Board convened in Closed Session at 6:11 p.m.)
14. **OPEN SESSION:**
(Director Bettencourt left the meeting at the conclusion of the Closed Session)
(The Board reconvened in Open Session at 6:58 p.m.)
- a. **Report action, if any, on Item #11**
As per President Tobias, no action was taken on this item.
- b. **Report action, if any, on Item #12**
i. Oral summary of recommendation for a final action on salary and compensation for local agency executives pursuant to Government Code Section 54953(c)(3), and Approve Resolution 2020-13 for Management, Confidential and Professional Compensation
President Tobias read the following into the record:
Government Code section 54953(c)(3) requires that, before taking final action, the Board of Directors must orally report a summary of the recommendation regarding the salaries, salary schedules, or compensation paid in the form of fringe benefits of a local agency executives. Therefore, I am reporting the following summary regarding such items appearing on the agenda.

Item # 12, pertains to final action by the Board of Directors regarding the recommendation to approve the following changes to compensation for the Management/Confidential/Professional Employee group, which includes the Deputy District Engineer, the Operations and Maintenance Manager, the

Supervising Accountant, and Water Conservation Program Manager who constitute local agency executives. The changes to compensation are as follows:

1. SALARY: Effective the first day of the pay period in which the Board adopts the resolution, employees will be eligible for a 2% salary increase.

Effective July 12, 2021 and July 11, 2022, employees shall be eligible for a salary increase of between 0% and 3%, contingent upon the United States Bureau of Reclamation water supply allocation for Central Valley Project agricultural contractors as of May 15th of each year.

The nominal value of the combined cost of living increases for Fiscal Year 2020/21, Fiscal Year 2021/22, and Fiscal Year 2022/23 shall not exceed a total of 8%.

2. FURLOUGHS: For Fiscal Year 2021/22, and Fiscal Year 2022/23, in the event the US Bureau of Reclamation water supply allocation for Central Valley Project agricultural contractors is less than twenty-five percent (25%) as of May 15th of each year, at District Board discretion, the District shall schedule between 6 and 10 unpaid furlough days per fiscal year. In the event of furloughs, employees may have the option of using accrued vacation or compensatory time off concurrently with the unpaid furlough time off.

In addition, the District reserves the right to close District offices for four (4) non-holiday work days approximately between December 25th and January 1st, with exact dates of the closure to be determined by District management. Office closure days will be unpaid; however, employees may use accrued vacation or compensatory time off concurrently with the non-closure days on which they would otherwise be scheduled to work.

FLSA exempt employees in the classifications of Deputy District Engineer, Associate/Senior Engineer, Operations & Maintenance Manager, Supervising Accountant, and Water Conservation Program Manager will be converted to non-exempt status in the workweek(s) containing a unpaid furlough.

3. MANAGEMENT LEAVE: FLSA exempt employees in the classifications of Deputy District Engineer, Operations & Maintenance Manager, Supervising Accountant, and Water Conservation Program Manager, who are not eligible to earn overtime, shall receive 80 hours of management leave per calendar year, provided as a lump sum on January 1st of each year.

Employees are required to use a minimum of 40 hours of management leave per year. Any unused management leave at the end of the calendar year shall be either automatically cashed out at the employee's base rate of pay, or converted to a contribution to the employee's 457 deferred compensation account at the employee's base rate of pay, subject to the rules, regulations and limitations governing deferred compensation. Any unused management leave at the time of

separation from employment will be cashed out at the employee's base rate of pay, plus any longevity pay and incentive pay applicable at the time of separation.

4. CAFETERIA PLAN CONTRIBUTION: For employees hired on or after July 1, 2020, in addition to the minimum employer contribution to PEMHCA required by CalPERS, on behalf of each eligible employee enrolled in medical insurance offered through the District, the District will provide a monthly contribution in the amount of up to \$1,385 for purchase of health and welfare benefits. Any portion of the District-paid cafeteria plan allowance that is not used for the purchase of health and welfare benefits will be paid to the employee as taxable income.

Tier two employees who opt out of medical insurance offered through the District are not eligible for cash in lieu.

5. SICK LEAVE: For employees hired on or after July 1, 2020, sick leave accrual will be capped at one thousand forty (1,040) hours. There is not sick leave accrual cap for current employees.

With a motion by Director Tonascia and a second by Director Flores, Resolution #2020-12, *A Resolution of the Board of Directors of the San Benito County Water District for Salary and Compensation for the Management/Confidential/Professional Employees* was approved by the Board of Directors by 4 affirmative votes, Tobias, Flores, Tonascia and Williams and 1 absent vote, Bettencourt.

c. Report action, if any, on Item #13

President Tobias reported the Board unanimously agreed in Closed Session to direct District Counsel to submit a letter on the District's behalf to the Supreme Court pertaining to water rights.

15. Adjournment

With no further business to discuss, the meeting was adjourned at 7:08 p.m.

John Tobias, President

Barbara L. Mauro, Board Clerk

Batch ID: CK082620
 Batch Comment: Board Claims August 26, 2020

Audit Trail Code: PMCHK00000832
 Posting Date: 8/26/2020

IT IS CERTIFIED THAT THE FOLLOWING IS A TRUE LIST OF CLAIMS PROPERLY
 AND REGULARLY COMING BEFORE THE BOARD OF DIRECTORS OF SAID
 DISTRICT ON: AUGUST 26, 2020

Check #	Date	Payment Number	Vendor ID	Check Name	Amount
0054018	8/26/2020	027715	A&BFI	A & B Fire Protection & Safety, Inc.	\$80.00
0054019	8/26/2020	027716	A1JAN	A-1 Janitorial Services, Inc.	\$306.00
0054020	8/26/2020	027717	BARTE	Bartel Associates, LLC	\$3,472.00
0054021	8/26/2020	027718	BRACE	Bracewell Engineering, Inc.	\$1,508.00
0054022	8/26/2020	027719	BRIGA	Brigantino Irrigation	\$239.49
0054023	8/26/2020	027720	CARDI	C A R Diagnostics Center	\$138.75
0054024	8/26/2020	027721	CINTA	Cintas Corporation	\$545.60
0054025	8/26/2020	027722	CMANA	CM Analytical, Inc.	\$12,195.00
0054026	8/26/2020	027723	CONSOLID	Consolidated Parts, Inc.	\$414.50
0054027	8/26/2020	027724	DASSE	Dassel's Petroleum, Inc.	\$2,495.47
0054028	8/26/2020	027725	DATAF	Dataflow Business Systems, Inc	\$579.08
0054029	8/26/2020	027726	EBCO	EBCO Pest Control	\$44.00
0054030	8/26/2020	027727	EDGES	Edges Electrical Group	\$339.16
0054031	8/26/2020	027728	ELCCO	ELC Consulting	\$13,906.35
0054032	8/26/2020	027729	FASTE	Fastenal Company	\$129.44
0054033	8/26/2020	027730	GEICO	GEI Consultants Inc.	\$594.00
0054034	8/26/2020	027731	GRAIN	GRAINGER	\$149.44
0054035	8/26/2020	027732	GROSS	Grossmayer & Associates	\$405.00
0054036	8/26/2020	027733	HANCR	Hanson Crane Service	\$600.00
0054037	8/26/2020	027734	HARRYBL	Harry Blohm	\$787.50
0054038	8/26/2020	027735	HAUTO	Hollister Auto Parts, Inc.	\$78.64
0054039	8/26/2020	027736	HDRENG	HDR Engineering Inc.	\$1,630.00
0054040	8/26/2020	027737	HOLLA	Hollister Landscape Supply	\$724.84
0054041	8/26/2020	027738	ICONI	ICONIX Waterworks (US) Inc.	\$1,054.97
0054042	8/26/2020	027739	JOHNS	Johnson Lumber Company	\$240.17
0054043	8/26/2020	027740	JOHNSM	John Smith Landfill	\$17.67
0054044	8/26/2020	027741	KRONI	Kronick, Moskovitz, Tiedemann & Girard	\$15,450.00
0054045	8/26/2020	027742	LANDS	Landscape Design by Rosemary Bridwell C	\$750.00
0054046	8/26/2020	027743	LIEBE	Liebert Cassidy Whitmore	\$15,414.00
0054047	8/26/2020	027744	MCKIN	McKinnon Lumber, Inc.	\$43.48
0054048	8/26/2020	027745	NEWSV	New SV Media, Inc	\$500.00
0054049	8/26/2020	027746	PALAC	Palace Art and Office Supply	\$511.48
0054050	8/26/2020	027747	PHANT	Phantom Services Inc.	\$474.85
0054051	8/26/2020	027748	PIPAL	Pipal Spurzem & Liem LLP	\$3,180.00
0054052	8/26/2020	027749	RIANDA	Rianda Air Inc.	\$130.00
0054053	8/26/2020	027750	ROSSI	Rossi's Tire & Auto Service	\$25.00
0054054	8/26/2020	027751	SBCAG	San Benito Co. Ag. Commissioner's Office	\$124.49
0054055	8/26/2020	027752	SCVWD	Santa Clara Valley Water Dist	\$135,061.98
0054056	8/26/2020	027753	SENTR	Sentry Alarm Systems	\$120.00
0054057	8/26/2020	027754	SHRED	Shred-it- San Francisco	\$249.52
0054058	8/26/2020	027755	SLDMW	San Luis & Delta-Mendota WA	\$39,523.50
0054059	8/26/2020	027756	SLDMWUSBR	San Luis & Delta-Mendota WA	\$10,531.74
0054060	8/26/2020	027757	TODDE	Todd Groundwater	\$37,128.75
0054061	8/26/2020	027758	UNDER	Underground Service Alert	\$1,422.86
0054062	8/26/2020	027759	USANO	USA North 811	\$2,360.96
0054063	8/26/2020	027760	USBK-CC	U.S. Bank Corporation	\$3,073.19
0054064	8/26/2020	027761	USBR-LA	Bureau of Reclamation	\$42,159.18

System: 8/21/2020 4:25:5
User Date: 8/21/2020

San Benito County Water District
COMPUTER CHECK REGISTER

Page: 2
User ID: monica

* Voided Checks

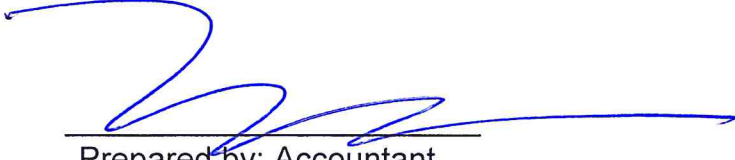
Check #	Date	Payment Number	Vendor ID	Check Name	Amount
0054065	8/26/2020	027762	WINNER	Winner Chevrolet, Inc	\$45,604.95
0054066	8/26/2020	027763	WRIIN	Wright Bros Industrial Supply	\$168.86
0054067	8/26/2020	027764	WRIWE	Wright Bros Welding	\$1,955.41
0054068	8/26/2020	027765	ZEIAL	Alan Zeisbrich	\$5,634.00
Total Checks: 51					Checks Total: \$404,273.27

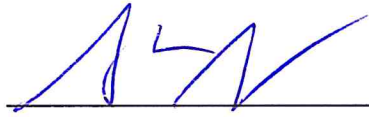
* Voided Checks

Check #	Date	Payment Number	Vendor ID	Check Name	Amount
---------	------	----------------	-----------	------------	--------

STATE OF CALIFORNIA
COUNTY OF SAN BENITO

I DO HEREBY CERTIFY, UNDER THE PENALTY OF PERJURY AT HOLLISTER, CALIFORNIA
THIS 26TH DAY OF AUGUST 2020 THAT THE FOREGOING DEMANDS ENUMERATED HAVE
BEEN AUDITED; THAT THE SAME ARE ACCURATE AND JUST CLAIMS AGAINST THE DISTRICT;
AND THAT THERE ARE FUNDS AVAILABLE FOR PAYMENT.


Prepared by: Accountant


Submitted by: District Manager

Asst

APPROVED BY BOARD OF DIRECTORS ON: _____

Date

President

Payment Fund Responsibility

Page 1 of 17

Payment#	Date	Check Total	Vendor ID	Vendor Name
027715	8/26/2020	\$80.00	A&BFI	A & B Fire Protection & Safety, Inc.
Voucher:	041912	Invoice: 332154	Date: 7/29/2020	Annual Fire Extinguisher Servi
		Allocations: \$80.00	600-6275-0000-563	CS-Maintenance-GA
				Doc Amt: \$80.00

Payment Responsibilities:

Fund 000: \$0.00 Fund 100: \$0.00 Fund 300: \$0.00 Fund 600: \$80.00
Fund 800: \$0.00 Fund 802:\$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
027716	8/26/2020	\$306.00	A1JAN	A-1 Janitorial Services, Inc.
Voucher:	041933	Invoice: 4371	Date: 8/3/2020	Janitorial Services August
		Allocations: \$30.60	100-6275-0000-563-06	CS-Maint 10/5/85
		Allocations: \$15.30	300-6275-0000-563-06	CS-Maint 10/5/85
		Allocations: \$260.10	600-6275-0000-563-06	CS-Maint 10/5/85
				Doc Amt: \$306.00

Payment Responsibilities:

Fund 000: \$0.00 Fund 100: \$30.60 Fund 300: \$15.30 Fund 600: \$260.10
Fund 800: \$0.00 Fund 802:\$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
027717	8/26/2020	\$3,472.00	BARTE	Bartel Associates, LLC
Voucher:	041947	Invoice: 20-552	Date: 7/28/2020	Consulting Services
		Allocations: \$347.20	100-6230-0000-563-06	CS-Accounting 10/5/85
		Allocations: \$173.60	300-6230-0000-563-06	CS-Accounting 10/5/85
		Allocations: \$2,951.20	600-6230-0000-563-06	CS-Accounting 10/5/85
				Doc Amt: \$3,472.00

Payment Responsibilities:

Fund 000: \$0.00 Fund 100: \$347.20 Fund 300: \$173.60 Fund 600: \$2,951.20
Fund 800: \$0.00 Fund 802:\$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
027718	8/26/2020	\$1,508.00	BRACE	Bracewell Engineering, Inc.
Voucher:	041913	Invoice: 20-480	Date: 7/31/2020	Fairview Rd-Extra Services
		Allocations: \$427.00	802-6270-0000-541	CS-Operations-TDO
				Doc Amt: \$427.00

Voucher:	041914	Invoice: 20-459	Date: 7/31/2020	Monthly Service	Doc Amt: \$1,081.00
		Allocations: \$1,081.00	802-6270-0000-541	CS-Operations-TDO	

Payment Responsibilities:

Fund 000: \$0.00 Fund 100: \$0.00 Fund 300: \$0.00 Fund 600: \$0.00
Fund 800: \$0.00 Fund 802:\$1,508.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
027719	8/26/2020	\$239.49	BRIGA	Brigantino Irrigation

Voucher:	041915	Invoice:	101020927	Date:	8/14/2020	Maintenance Supplies	Doc Amt:	\$10.05
		Allocations:	\$10.05	600-6320-0000-542		Supplies-TM		
Voucher:	041916	Invoice:	101019128	Date:	7/16/2020	Maintenance Supplies	Doc Amt:	\$37.76
		Allocations:	\$37.76	600-6320-0000-542		Supplies-TM		
Voucher:	041917	Invoice:	101020331	Date:	8/3/2020	Maintenance Supplies	Doc Amt:	\$66.21
		Allocations:	\$66.21	600-6320-0604-542		Supplies - RWP TM		
Voucher:	041918	Invoice:	101020403	Date:	8/4/2020	Maintenance Supplies	Doc Amt:	\$47.61
		Allocations:	\$47.61	600-6320-0000-542		Supplies-TM		
Voucher:	041919	Invoice:	101020633	Date:	8/10/2020	Maintenance Supplies	Doc Amt:	\$56.68
		Allocations:	\$56.68	600-6320-0000-542		Supplies-TM		
Voucher:	041993	Invoice:	101020879	Date:	8/13/2020	WRA Supplies	Doc Amt:	\$11.41
		Allocations:	\$11.41	600-1351-0204-151		Water Resources MOU Programs Expense		
Voucher:	042023	Invoice:	101019143	Date:	7/10/2020	Engineering Supplies	Doc Amt:	\$9.77
		Allocations:	\$9.77	600-6320-0000-562		Supplies-GA		

Payment Responsibilities:

Fund 000: \$0.00	Fund 100: \$0.00	Fund 300: \$0.00	Fund 600: \$239.49
Fund 800: \$0.00	Fund 802: \$0.00		

Payment#	Date	Check Total	Vendor ID	Vendor Name		
027720	8/26/2020	\$138.75	CARDI	C A R Diagnostics Center		
Voucher:	041925	Invoice:	J026401	Date:	7/17/2020	Vehicle Maintenance#18
		Allocations:	\$40.75	600-6460-0000-562		Vehicle Maintenance-GA
Voucher:	041926	Invoice:	J026397	Date:	7/17/2020	Vehicle Maintenance#7
		Allocations:	\$44.10	600-6460-0000-562-03		Vehicle Maint 0/10/90
		Allocations:	\$4.90	300-6460-0000-562-03		Vehicle Maint 0/10/90
Voucher:	041927	Invoice:	J026399	Date:	7/17/2020	Vehicle Maintenance#13
		Allocations:	\$41.65	600-6460-0000-562-03		Vehicle Maintenance (10/5/85)
		Allocations:	\$2.45	300-6460-0000-562-03		Vehicle Maintenance (10/5/85)
		Allocations:	\$4.90	100-6460-0000-562-03		Vehicle Maintenance (10/5/85)

Payment Responsibilities:

Fund 000: \$0.00	Fund 100: \$4.90	Fund 300: \$7.35	Fund 600: \$126.50
Fund 800: \$0.00	Fund 802: \$0.00		

Payment#	Date	Check Total	Vendor ID	Vendor Name		
027721	8/26/2020	\$545.60	CINTA	Cintas Corporation		
Voucher:	041934	Invoice:	4057284640	Date:	7/28/2020	Weekly Service
		Allocations:	\$13.64	100-6275-0000-563-06		CS-Maint 10/5/85
		Allocations:	\$6.82	300-6275-0000-563-06		CS-Maint 10/5/85

Allocations: \$115.94 600-6275-0000-563-06 CS-Maint 10/5/85

Voucher: 041935 Invoice: 4057759445 Date: 8/4/2020 Weekly Service Doc Amt: \$136.40
 Allocations: \$13.64 100-6275-0000-563-06 CS-Maint 10/5/85
 Allocations: \$6.82 300-6275-0000-563-06 CS-Maint 10/5/85
 Allocations: \$115.94 600-6275-0000-563-06 CS-Maint 10/5/85

Voucher: 041936 Invoice: 4056486741 Date: 7/21/2020 Weekly Service Doc Amt: \$136.40
 Allocations: \$13.64 100-6275-0000-563-06 CS-Maint 10/5/85
 Allocations: \$6.82 300-6275-0000-563-06 CS-Maint 10/5/85
 Allocations: \$115.94 600-6275-0000-563-06 CS-Maint 10/5/85

Voucher: 041937 Invoice: 4055876668 Date: 7/14/2020 Weekly Service Doc Amt: \$136.40
 Allocations: \$13.64 100-6275-0000-563-06 CS-Maint 10/5/85
 Allocations: \$6.82 300-6275-0000-563-06 CS-Maint 10/5/85
 Allocations: \$115.94 600-6275-0000-563-06 CS-Maint 10/5/85

Payment Responsibilities:

Fund 000: \$0.00 Fund 100: \$54.56 Fund 300: \$27.28 Fund 600: \$463.76
 Fund 800: \$0.00 Fund 802: \$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
027722	8/26/2020	\$12,195.00	CMANA	CM Analytical, Inc.

Voucher: 041920 Invoice: 74707 Date: 7/22/2020 Water Quality Testing Doc Amt: \$480.00
 Allocations: \$240.00 600-6270-0604-541 CS Operations Recycled Water Project
 Allocations: \$240.00 600-6270-0000-541 CS-Operations-TO

Voucher: 041921 Invoice: 74777 Date: 8/11/2020 Water Quality Testing Doc Amt: \$900.00
 Allocations: \$900.00 600-6270-0604-541 CS Operations Recycled Water Project

Voucher: 041922 Invoice: 74541 Date: 7/23/2020 Water Quality Testing Doc Amt: \$5,475.00
 Allocations: \$5,475.00 600-6270-0604-541 CS Operations Recycled Water Project

Voucher: 041923 Invoice: 74551 Date: 7/23/2020 Water Quality Testing Doc Amt: \$5,340.00
 Allocations: \$5,340.00 600-6270-0604-541 CS Operations Recycled Water Project

Payment Responsibilities:

Fund 000: \$0.00 Fund 100: \$0.00 Fund 300: \$0.00 Fund 600: \$12,195.00
 Fund 800: \$0.00 Fund 802: \$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
027723	8/26/2020	\$414.50	CONSOLID	Consolidated Parts, Inc.

Voucher: 042005 Invoice: 5061297 Date: 6/1/2020 Engineering Supplies Doc Amt: \$414.50
 Allocations: \$414.50 600-6275-0604-542 CS-Maintenance Recycled Water

Payment Responsibilities:

Fund 000: \$0.00	Fund 100: \$0.00	Fund 300: \$0.00	Fund 600: \$414.50
Fund 800: \$0.00	Fund 802: \$0.00		

Payment#	Date	Check Total	Vendor ID	Vendor Name
027724	8/26/2020	\$2,495.47	DASSE	Dassel's Petroleum, Inc.
Voucher:	042017	Invoice: 073120	Date: 7/31/2020	Monthly Fuel Bill
	Allocations:	\$2,209.89	600-6465-0000-562	Vehicle Fuel-GA
	Allocations:	\$101.69	300-6465-0000-562	Vehicle Fuel-GA
	Allocations:	\$9.62	100-6465-0000-562	Vehicle Fuel-GA
	Allocations:	\$174.27	600-1351-0204-151	Water Resources MOU Programs Expense
				Doc Amt: \$2,495.47

Payment Responsibilities:

Fund 000: \$0.00	Fund 100: \$9.62	Fund 300: \$101.69	Fund 600: \$2,384.16
Fund 800: \$0.00	Fund 802: \$0.00		

Payment#	Date	Check Total	Vendor ID	Vendor Name
027725	8/26/2020	\$579.08	DATAF	Dataflow Business Systems, Inc
Voucher:	041938	Invoice: 293489	Date: 8/10/2020	Monthly Copier Lease Payment
	Allocations:	\$16.64	100-6450-0000-562-06	Tool & Equipment Rental GA 10/5/85
	Allocations:	\$8.32	300-6450-0000-562-06	Tool & Equipment Rental GA 10/5/85
	Allocations:	\$141.45	600-6450-0000-562-06	Tool & Equipment Rental GA 10/5/85
	Allocations:	\$41.27	100-6275-0000-563-06	CS-Maint 10/5/85
	Allocations:	\$20.63	300-6275-0000-563-06	CS-Maint 10/5/85
	Allocations:	\$350.77	600-6275-0000-563-06	CS-Maint 10/5/85
				Doc Amt: \$579.08

Payment Responsibilities:

Fund 000: \$0.00	Fund 100: \$57.91	Fund 300: \$28.95	Fund 600: \$492.22
Fund 800: \$0.00	Fund 802: \$0.00		

Payment#	Date	Check Total	Vendor ID	Vendor Name
027726	8/26/2020	\$44.00	EBCO	EBCO Pest Control
Voucher:	041942	Invoice: 14698	Date: 8/1/2020	Monthly Pest Control
	Allocations:	\$4.40	100-6275-0000-563-06	CS-Maint 10/5/85
	Allocations:	\$2.20	300-6275-0000-563-06	CS-Maint 10/5/85
	Allocations:	\$37.40	600-6275-0000-563-06	CS-Maint 10/5/85
				Doc Amt: \$44.00

Payment Responsibilities:

Fund 000: \$0.00	Fund 100: \$4.40	Fund 300: \$2.20	Fund 600: \$37.40
Fund 800: \$0.00	Fund 802: \$0.00		

Payment#	Date	Check Total	Vendor ID	Vendor Name
027727	8/26/2020	\$339.16	EDGES	Edges Electrical Group
Voucher:	041929	Invoice: S5001603.001	Date: 7/17/2020	Electrical Supplies
	Allocations:	\$4.66	300-6320-0000-562-06	Supplies-GA 10/5/85
	Allocations:	\$79.20	600-6320-0000-562-06	Supplies-GA 10/5/85
	Allocations:	\$9.32	100-6320-0000-562-06	Supplies-GA 10/5/85
				Doc Amt: \$93.18

Voucher: 042002 Invoice: S4949823.001 Date: 7/1/2020 Electrical Supplies Doc Amt: -\$306.27
 Allocations: -\$306.27 802-1390-0000-112 Construction in Progress

Voucher: 042003 Invoice: S5001603.002 Date: 7/28/2020 Electrical Supplies Doc Amt: \$186.36
 Allocations: \$9.32 300-6320-0000-562-06 Supplies-GA 10/5/85
 Allocations: \$158.41 600-6320-0000-562-06 Supplies-GA 10/5/85
 Allocations: \$18.64 100-6320-0000-562-06 Supplies-GA 10/5/85

Voucher: 042007 Invoice: S5007668.002 Date: 7/29/2020 Electrical Supplies Doc Amt: \$48.56
 Allocations: \$48.56 600-6320-0000-542 Supplies-TM

Voucher: 042008 Invoice: S5007668.001 Date: 7/23/2020 Electrical Supplies Doc Amt: \$224.20
 Allocations: \$224.20 600-6320-0000-542 Supplies-TM

Voucher: 042012 Invoice: S4996844.001 Date: 7/10/2020 Maintenance Supplies Doc Amt: \$93.13
 Allocations: \$93.13 802-6321-0000-542 Supplies-Structure Equip TDM

Payment Responsibilities:

Fund 000: \$0.00 Fund 100: \$27.95 Fund 300: \$13.98 Fund 600: \$510.37
 Fund 800: \$0.00 Fund 802: -\$213.14

Payment# **Date** **Check Total** **Vendor ID** **Vendor Name**
027728 **8/26/2020** **\$13,906.35** **ELCCO** **ELC Consulting**

Voucher: 041928 Invoice: 6441 Date: 7/27/2020 Monthly Service Agreement Doc Amt: \$6,897.00
 Allocations: \$689.70 100-6260-0000-563-06 CS-Computer (10/5/85)
 Allocations: \$344.85 300-6260-0000-563-06 CS-Computer (10/5/85)
 Allocations: \$5,862.45 600-6260-0000-563-06 CS-Computer (10/5/85)

Voucher: 041939 Invoice: 6455 Date: 7/28/2020 Cloud Management Server Upgrad Doc Amt: \$6,480.00
 Allocations: \$648.00 100-6260-0000-563-06 CS-Computer (10/5/85)
 Allocations: \$324.00 300-6260-0000-563-06 CS-Computer (10/5/85)
 Allocations: \$5,508.00 600-6260-0000-563-06 CS-Computer (10/5/85)

Voucher: 041940 Invoice: 6465 Date: 8/10/2020 Computer Equipment Doc Amt: \$422.18
 Allocations: \$42.22 100-6440-0000-562-06 Office Furn/Equipment Purchase 10/5/85
 Allocations: \$21.11 300-6440-0000-562-06 Office Furn/Equipment Purchase 10/5/85
 Allocations: \$358.85 600-6440-0000-562-06 Office Furn/Equipment Purchase 10/5/85

Voucher: 041941 Invoice: 6467 Date: 8/10/2020 Computer Equipment Doc Amt: \$107.17
 Allocations: \$10.72 100-6440-0000-562-06 Office Furn/Equipment Purchase 10/5/85
 Allocations: \$5.36 300-6440-0000-562-06 Office Furn/Equipment Purchase 10/5/85
 Allocations: \$91.09 600-6440-0000-562-06 Office Furn/Equipment Purchase 10/5/85

Payment Responsibilities:

Fund 000: \$0.00 Fund 100: \$1,390.64 Fund 300: \$695.32 Fund 600: \$11,820.40
 Fund 800: \$0.00 Fund 802: \$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name		
027729	8/26/2020	\$129.44	FASTE	Fastenal Company		
Voucher:	041930	Invoice: CAHOS46502	Date: 7/15/2020	Maintenance Supplies	Doc Amt:	\$129.44
	Allocations:	\$129.44	600-6320-0000-562	Supplies-GA		

Payment Responsibilities:

Fund 000: \$0.00 Fund 100: \$0.00 Fund 300: \$0.00 Fund 600: \$129.44
Fund 800: \$0.00 Fund 802: \$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name		
027730	8/26/2020	\$594.00	GEICO	GEI Consultants Inc.		
Voucher:	042018	Invoice: 3075294	Date: 8/11/2020	Engineering Services	Doc Amt:	\$594.00
	Allocations:	\$594.00	600-6291-0145-541	CS Prog-San Justo Workplan-TO		

Payment Responsibilities:

Fund 000: \$0.00 Fund 100: \$0.00 Fund 300: \$0.00 Fund 600: \$594.00
Fund 800: \$0.00 Fund 802: \$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name		
027731	8/26/2020	\$149.44	GRAIN	GRAINGER		
Voucher:	041931	Invoice: 9588452582	Date: 7/13/2020	Maintenance Supplies	Doc Amt:	\$149.44
	Allocations:	\$149.44	600-6197-0000-565	Personal Equipment/Uniform		

Payment Responsibilities:

Fund 000: \$0.00 Fund 100: \$0.00 Fund 300: \$0.00 Fund 600: \$149.44
Fund 800: \$0.00 Fund 802: \$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name		
027732	8/26/2020	\$405.00	GROSS	Grossmayer & Associates		
Voucher:	041932	Invoice: IVC3137	Date: 7/24/2020	Consulting Services	Doc Amt:	\$270.00
	Allocations:	\$27.00	100-6260-0000-563-06	CS-Computer (10/5/85)		
	Allocations:	\$13.50	300-6260-0000-563-06	CS-Computer (10/5/85)		
	Allocations:	\$229.50	600-6260-0000-563-06	CS-Computer (10/5/85)		
Voucher:	041992	Invoice: IVC3150	Date: 8/12/2020	Consulting Services	Doc Amt:	\$135.00
	Allocations:	\$13.50	100-6260-0000-563-06	CS-Computer (10/5/85)		
	Allocations:	\$6.75	300-6260-0000-563-06	CS-Computer (10/5/85)		
	Allocations:	\$114.75	600-6260-0000-563-06	CS-Computer (10/5/85)		

Payment Responsibilities:

Fund 000: \$0.00 Fund 100: \$40.50 Fund 300: \$20.25 Fund 600: \$344.25
Fund 800: \$0.00 Fund 802: \$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name		
027733	8/26/2020	\$600.00	HANCR	Hanson Crane Service		
Voucher:	042015	Invoice: 2925	Date: 7/16/2020	Maintenance Repair	Doc Amt:	\$600.00
	Allocations:	\$600.00	600-6275-0000-522	CS-Maintenance-PM		

Payment Responsibilities:

Fund 000: \$0.00	Fund 100: \$0.00	Fund 300: \$0.00	Fund 600: \$600.00
Fund 800: \$0.00	Fund 802: \$0.00		

Payment#	Date	Check Total	Vendor ID	Vendor Name
027734	8/26/2020	\$787.50	HARRYBL	Harry Blohm

Voucher:	042024	Invoice:	080420	Date:	8/4/2020	Consulting Services	Doc Amt:	\$787.50
		Allocations:	\$787.50	600-1351-0222-151		Pacheco Reservoir Expansion		

Payment Responsibilities:

Fund 000: \$0.00	Fund 100: \$0.00	Fund 300: \$0.00	Fund 600: \$787.50
Fund 800: \$0.00	Fund 802: \$0.00		

Payment#	Date	Check Total	Vendor ID	Vendor Name
027735	8/26/2020	\$78.64	HAUTO	Hollister Auto Parts, Inc.

Voucher:	041944	Invoice:	807900	Date:	8/11/2020	Vehicle Supplies	Doc Amt:	\$25.91
		Allocations:	\$25.91	600-6320-0000-562		Supplies-GA		

Voucher:	041945	Invoice:	805134	Date:	7/20/2020	District Supplies	Doc Amt:	\$27.00
		Allocations:	\$1.35	300-6320-0000-562-06		Supplies-GA 10/5/85		
		Allocations:	\$22.95	600-6320-0000-562-06		Supplies-GA 10/5/85		
		Allocations:	\$2.70	100-6320-0000-562-06		Supplies-GA 10/5/85		

Voucher:	041946	Invoice:	806658	Date:	7/31/2020	Maintenance Tools	Doc Amt:	\$32.76
		Allocations:	\$32.76	600-6330-0000-542		Tools Purchase-TM		

Voucher:	042010	Invoice:	802620	Date:	7/1/2020	Maintenance Supplies	Doc Amt:	\$7.16
		Allocations:	\$6.09	600-6320-0000-562-03		Supplies - GA		
		Allocations:	\$0.72	100-6320-0000-562-03		Supplies - GA		
		Allocations:	\$0.36	300-6320-0000-562-03		Supplies - GA		

Voucher:	042011	Invoice:	798723	Date:	6/2/2020	Maintenance Supplies	Doc Amt:	-\$14.19
		Allocations:	-\$14.19	600-6320-0000-562		Supplies-GA		

Payment Responsibilities:

Fund 000: \$0.00	Fund 100: \$3.42	Fund 300: \$1.71	Fund 600: \$73.52
Fund 800: \$0.00	Fund 802: \$0.00		

Payment#	Date	Check Total	Vendor ID	Vendor Name
027736	8/26/2020	\$1,630.00	HDRENG	HDR Engineering Inc.

Voucher:	041943	Invoice:	1200284637	Date:	8/7/2020	Engineering Services	Doc Amt:	\$1,630.00
		Allocations:	\$1,630.00	600-1351-0226-151		Water Supply Evaluation		

Payment Responsibilities:

Fund 000: \$0.00	Fund 100: \$0.00	Fund 300: \$0.00	Fund 600: \$1,630.00
Fund 800: \$0.00	Fund 802: \$0.00		

Payment#	Date	Check Total	Vendor ID	Vendor Name			
027737	8/26/2020	\$724.84	HOLLA	Hollister Landscape Supply			
Voucher:	042013	Invoice: 57425		Date: 7/28/2020	Maintenance Supplies	Doc Amt:	\$362.42
		Allocations:	\$362.42	600-6320-0000-542	Supplies-TM		
Voucher:	042014	Invoice: 57402		Date: 7/28/2020	Maintenance Supplies	Doc Amt:	\$362.42
		Allocations:	\$362.42	600-6320-0000-542	Supplies-TM		

Payment Responsibilities:

Fund 000: \$0.00 Fund 100: \$0.00 Fund 300: \$0.00 Fund 600: \$724.84
Fund 800: \$0.00 Fund 802: \$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name			
027738	8/26/2020	\$1,054.97	ICONI	ICONIX Waterworks (US) Inc.			
Voucher:	041957	Invoice: U2016037626		Date: 8/7/2020	Maintenance Supplies	Doc Amt:	\$863.92
		Allocations:	\$863.92	600-6320-0920-542	Supplies-TM - Subsystem Breaks		
Voucher:	041958	Invoice: U2016038921		Date: 8/14/2020	Maintenance Supplies	Doc Amt:	\$191.05
		Allocations:	\$191.05	600-6320-0000-542	Supplies-TM		

Payment Responsibilities:

Fund 000: \$0.00 Fund 100: \$0.00 Fund 300: \$0.00 Fund 600: \$1,054.97
Fund 800: \$0.00 Fund 802: \$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name			
027739	8/26/2020	\$240.17	JOHNS	Johnson Lumber Company			
Voucher:	041948	Invoice: 235956		Date: 8/5/2020	District Supplies	Doc Amt:	\$19.00
		Allocations:	\$0.95	300-6320-0000-562-06	Supplies-GA 10/5/85		
		Allocations:	\$16.15	600-6320-0000-562-06	Supplies-GA 10/5/85		
		Allocations:	\$1.90	100-6320-0000-562-06	Supplies-GA 10/5/85		
Voucher:	041949	Invoice: 235323		Date: 7/14/2020	Maintenance Supplies	Doc Amt:	\$45.86
		Allocations:	\$45.86	600-6320-0000-542	Supplies-TM		
Voucher:	041950	Invoice: 235652		Date: 7/24/2020	Maintenance Supplies	Doc Amt:	\$5.44
		Allocations:	\$5.44	600-6320-0000-562	Supplies-GA		
Voucher:	041951	Invoice: 235738		Date: 7/28/2020	Maintenance Supplies	Doc Amt:	\$76.42
		Allocations:	\$76.42	600-6320-0000-542	Supplies-TM		
Voucher:	041952	Invoice: 235950		Date: 8/5/2020	Maintenance Supplies	Doc Amt:	\$5.45
		Allocations:	\$4.63	600-6320-0000-562-03	Supplies - GA		
		Allocations:	\$0.55	100-6320-0000-562-03	Supplies - GA		
		Allocations:	\$0.27	300-6320-0000-562-03	Supplies - GA		
Voucher:	041953	Invoice: 235435		Date: 7/17/2020	District Supplies	Doc Amt:	\$14.19
		Allocations:	\$12.06	600-1395-0938-112-06	SP-District ADA improvement		
		Allocations:	\$1.42	100-1395-0938-112-06	SP-District ADA improvement		
		Allocations:	\$0.71	300-1395-0938-112-06	SP-District ADA improvement		

Voucher: 041954 Invoice: 235893 Date: 8/3/2020 District Supplies Doc Amt: \$48.42
 Allocations: \$2.42 300-6320-0000-562-06 Supplies-GA 10/5/85
 Allocations: \$41.16 600-6320-0000-562-06 Supplies-GA 10/5/85
 Allocations: \$4.84 100-6320-0000-562-06 Supplies-GA 10/5/85

Voucher: 041955 Invoice: 235694 Date: 7/27/2020 Maintenance Supplies Doc Amt: \$5.77
 Allocations: \$5.77 600-6321-0000-542 Supplies-Structure Equip TDM

Voucher: 041996 Invoice: 235825 Date: 7/30/2020 Maintenance Supplies Doc Amt: \$9.81
 Allocations: \$8.34 600-1395-0938-112-06 SP-District ADA improvement
 Allocations: \$0.98 100-1395-0938-112-06 SP-District ADA improvement
 Allocations: \$0.49 300-1395-0938-112-06 SP-District ADA improvement

Voucher: 042004 Invoice: 235568 Date: 7/22/2020 Maintenance Supplies Doc Amt: \$6.54
 Allocations: \$6.54 600-6320-0000-542 Supplies-TM

Voucher: 042006 Invoice: 235382 Date: 7/16/2020 Engineering Supplies Doc Amt: \$3.27
 Allocations: \$2.94 600-6320-0000-562-02 Supplies-GA
 Allocations: \$0.33 300-6320-0000-562-02 Supplies-GA

Payment Responsibilities:

Fund 000: \$0.00 Fund 100: \$9.69 Fund 300: \$5.17 Fund 600: \$225.31
 Fund 800: \$0.00 Fund 802: \$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
027740	8/26/2020	\$17.67	JOHNSM	John Smith Landfill

Voucher: 041956 Invoice: 0100776383 Date: 8/13/2020 Dump Fee Doc Amt: \$17.67
 Allocations: \$17.67 600-6860-0000-542 Utilities-Disposal fees

Payment Responsibilities:

Fund 000: \$0.00 Fund 100: \$0.00 Fund 300: \$0.00 Fund 600: \$17.67
 Fund 800: \$0.00 Fund 802: \$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
027741	8/26/2020	\$15,450.00	KRONI	Kronick, Moskovitz, Tiedemann & Gir.

Voucher: 041959 Invoice: 298184 Date: 7/28/2020 Professional Services Doc Amt: \$15,450.00
 Allocations: \$15,450.00 600-6210-0000-563 CS-Legal-GA

Payment Responsibilities:

Fund 000: \$0.00 Fund 100: \$0.00 Fund 300: \$0.00 Fund 600: \$15,450.00
 Fund 800: \$0.00 Fund 802: \$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
027742	8/26/2020	\$750.00	LANDS	Landscape Design by Rosemary Bridw

Voucher: 041985 Invoice: 072020 Date: 7/20/2020 WRA-Landscape Plan Review Doc Amt: \$750.00
 Allocations: \$750.00 600-1351-0204-151 Water Resources MOU Programs Expense

Payment Responsibilities:

Fund 000: \$0.00 Fund 100: \$0.00 Fund 300: \$0.00 Fund 600: \$750.00
 Fund 800: \$0.00 Fund 802: \$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name		
027743	8/26/2020	\$15,414.00	LIEBE	Liebert Cassidy Whitmore, Prof Law &		
Voucher:	041960	Invoice: 1500272	Date: 5/31/2020	Legal Services	Doc Amt:	\$2,907.00
		Allocations:	\$290.70	100-6210-0000-563-06	CS-Legal GA 10/5/85	
		Allocations:	\$145.35	300-6210-0000-563-06	CS-Legal GA 10/5/85	
		Allocations:	\$2,470.95	600-6210-0000-563-06	CS-Legal GA 10/5/85	
Voucher:	041961	Invoice: 1502277	Date: 6/30/2020	Legal Services	Doc Amt:	\$2,370.00
		Allocations:	\$237.00	100-6210-0000-563-06	CS-Legal GA 10/5/85	
		Allocations:	\$118.50	300-6210-0000-563-06	CS-Legal GA 10/5/85	
		Allocations:	\$2,014.50	600-6210-0000-563-06	CS-Legal GA 10/5/85	
Voucher:	041962	Invoice: 1502278	Date: 6/30/2020	Legal Services	Doc Amt:	\$5,452.00
		Allocations:	\$545.20	100-6210-0000-563-06	CS-Legal GA 10/5/85	
		Allocations:	\$272.60	300-6210-0000-563-06	CS-Legal GA 10/5/85	
		Allocations:	\$4,634.20	600-6210-0000-563-06	CS-Legal GA 10/5/85	
Voucher:	041963	Invoice: 1500273	Date: 5/31/2020	Legal Services	Doc Amt:	\$4,685.00
		Allocations:	\$468.50	100-6210-0000-563-06	CS-Legal GA 10/5/85	
		Allocations:	\$234.25	300-6210-0000-563-06	CS-Legal GA 10/5/85	
		Allocations:	\$3,982.25	600-6210-0000-563-06	CS-Legal GA 10/5/85	

Payment Responsibilities:

Fund 000: \$0.00 Fund 100: \$1,541.40 Fund 300: \$770.70 Fund 600: \$13,101.90
 Fund 800: \$0.00 Fund 802: \$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name		
027744	8/26/2020	\$43.48	MCKIN	McKinnon Lumber, Inc.		
Voucher:	042009	Invoice: 668701	Date: 7/17/2020	Maintenance Supplies	Doc Amt:	\$43.48
		Allocations:	\$36.96	600-1395-0938-112-06	SP-District ADA improvement	
		Allocations:	\$4.35	100-1395-0938-112-06	SP-District ADA improvement	
		Allocations:	\$2.17	300-1395-0938-112-06	SP-District ADA improvement	

Payment Responsibilities:

Fund 000: \$0.00 Fund 100: \$4.35 Fund 300: \$2.17 Fund 600: \$36.96
 Fund 800: \$0.00 Fund 802: \$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name		
027745	8/26/2020	\$500.00	NEWSV	New SV Media, Inc		
Voucher:	041964	Invoice: 2020-385501	Date: 8/7/2020	WRA Advertising	Doc Amt:	\$62.50
		Allocations:	\$62.50	600-1351-0204-151	Water Resources MOU Programs Expense	
Voucher:	041965	Invoice: 2020-385500	Date: 7/31/2020	WRA Advertising	Doc Amt:	\$62.50
		Allocations:	\$62.50	600-1351-0204-151	Water Resources MOU Programs Expense	

Voucher:	041966	Invoice:	2020-385498	Date:	7/17/2020	WRA dvertising	Doc Amt:	\$62.50
		Allocations:	\$62.50	600-1351-0204-151		Water Resources MOU Programs Expense		
Voucher:	041967	Invoice:	2020-385694	Date:	7/10/2020	District Advertising	Doc Amt:	\$125.00
		Allocations:	\$125.00	802-6865-0000-562		Advertising/Public Info		
Voucher:	041968	Invoice:	2020-385693	Date:	7/10/2020	District Advertising	Doc Amt:	\$125.00
		Allocations:	\$125.00	802-6865-0000-562		Advertising/Public Info		
Voucher:	041969	Invoice:	2020-385499	Date:	7/24/2020	WRA Advertising	Doc Amt:	\$62.50
		Allocations:	\$62.50	600-1351-0204-151		Water Resources MOU Programs Expense		

Payment Responsibilities:

Fund 000: \$0.00	Fund 100: \$0.00	Fund 300: \$0.00	Fund 600: \$250.00
Fund 800: \$0.00	Fund 802: \$250.00		

Payment#	Date	Check Total	Vendor ID	Vendor Name		
027746	8/26/2020	\$511.48	PALAC	Palace Art and Office Supply		
Voucher:	041971	Invoice:	586323-0	Date:	8/11/2020	Office Supplies
		Allocations:	\$40.17	600-6835-0000-562-06		Office Supplies 10/5/85 GA
		Allocations:	\$2.36	300-6835-0000-562-06		Office Supplies 10/5/85 GA
		Allocations:	\$4.73	100-6835-0000-562-06		Office Supplies 10/5/85 GA
Voucher:	041972	Invoice:	585135-0	Date:	7/28/2020	Office Supplies
		Allocations:	\$221.48	600-6835-0000-562-06		Office Supplies 10/5/85 GA
		Allocations:	\$13.03	300-6835-0000-562-06		Office Supplies 10/5/85 GA
		Allocations:	\$26.06	100-6835-0000-562-06		Office Supplies 10/5/85 GA
Voucher:	041973	Invoice:	584970-0	Date:	7/24/2020	Office Supplies
		Allocations:	\$21.25	600-6835-0000-562-06		Office Supplies 10/5/85 GA
		Allocations:	\$1.25	300-6835-0000-562-06		Office Supplies 10/5/85 GA
		Allocations:	\$2.50	100-6835-0000-562-06		Office Supplies 10/5/85 GA
Voucher:	041974	Invoice:	584373-0	Date:	7/15/2020	Office Supplies
		Allocations:	\$153.78	600-6835-0000-562-06		Office Supplies 10/5/85 GA
		Allocations:	\$9.05	300-6835-0000-562-06		Office Supplies 10/5/85 GA
		Allocations:	\$18.09	100-6835-0000-562-06		Office Supplies 10/5/85 GA
Voucher:	041975	Invoice:	C582638-0	Date:	6/18/2020	Office Supplies
		Allocations:	-\$1.93	600-6835-0000-562-06		Office Supplies 10/5/85 GA
		Allocations:	-\$0.11	300-6835-0000-562-06		Office Supplies 10/5/85 GA
		Allocations:	-\$0.23	100-6835-0000-562-06		Office Supplies 10/5/85 GA

Payment Responsibilities:

Fund 000: \$0.00	Fund 100: \$51.15	Fund 300: \$25.57	Fund 600: \$434.76
Fund 800: \$0.00	Fund 802: \$0.00		

Payment#	Date	Check Total	Vendor ID	Vendor Name
027747	8/26/2020	\$474.85	PHANT	Phantom Services Inc.
Voucher:	041976	Invoice: 03070	Date: 8/7/2020	Maintenance Service
		Allocations:	\$474.85 600-6275-0000-542	CS-Maintenance-TM
				Doc Amt: \$474.85

Payment Responsibilities:

Fund 000: \$0.00 Fund 100: \$0.00 Fund 300: \$0.00 Fund 600: \$474.85
Fund 800: \$0.00 Fund 802: \$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
027748	8/26/2020	\$3,180.00	PIPAL	Pipal Spurzem & Liem LLP
Voucher:	041970	Invoice: 56213	Date: 8/4/2020	Acct#1997-2460
		Allocations:	\$280.00 100-6210-0000-563-06	CS-Legal GA 10/5/85
		Allocations:	\$140.00 300-6210-0000-563-06	CS-Legal GA 10/5/85
		Allocations:	\$2,380.00 600-6210-0000-563-06	CS-Legal GA 10/5/85
		Allocations:	\$140.00 802-6210-0000-563	CS-Legal GA
		Allocations:	\$40.00 100-6210-0000-563	CS-Legal-GA
		Allocations:	\$100.00 600-6210-0602-563	CS-Legal-GA
		Allocations:	\$100.00 600-6210-0603-563	CS-Legal-GA
				Doc Amt: \$3,180.00

Payment Responsibilities:

Fund 000: \$0.00 Fund 100: \$320.00 Fund 300: \$140.00 Fund 600: \$2,580.00
Fund 800: \$0.00 Fund 802: \$140.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
027749	8/26/2020	\$130.00	RIANDA	Rianda Air Inc.
Voucher:	041978	Invoice: 23762	Date: 7/10/2020	Maintenance-Heating/Air Syst
		Allocations:	\$13.00 100-6275-0000-563-06	CS-Maint 10/5/85
		Allocations:	\$6.50 300-6275-0000-563-06	CS-Maint 10/5/85
		Allocations:	\$110.50 600-6275-0000-563-06	CS-Maint 10/5/85
				Doc Amt: \$130.00

Payment Responsibilities:

Fund 000: \$0.00 Fund 100: \$13.00 Fund 300: \$6.50 Fund 600: \$110.50
Fund 800: \$0.00 Fund 802: \$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
027750	8/26/2020	\$25.00	ROSSI	Rossi's Tire & Auto Service
Voucher:	041977	Invoice: S1B50414	Date: 7/15/2020	Vehicle Maintenance#7
		Allocations:	\$25.00 600-6460-0000-562	Vehicle Maintenance-GA
				Doc Amt: \$25.00

Payment Responsibilities:

Fund 000: \$0.00 Fund 100: \$0.00 Fund 300: \$0.00 Fund 600: \$25.00
Fund 800: \$0.00 Fund 802: \$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
027751	8/26/2020	\$124.49	SBCAG	San Benito Co. Ag. Commissioner's Of
Voucher:	041924	Invoice: 2021-00000011	Date: 7/16/2020	Maintenance Supplies
				Doc Amt: \$124.49

Allocations: \$62.25 600-6310-0000-542 Chemicals-TM

Allocations: \$62.24 300-6310-0000-512 Chemicals-SSM

Payment Responsibilities:

Fund 000: \$0.00 Fund 100: \$0.00 Fund 300: \$62.24 Fund 600: \$62.25
Fund 800: \$0.00 Fund 802: \$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
027752	8/26/2020	\$135,061.98	SCVWD	Santa Clara Valley Water Dist
Voucher:	042001	Invoice: GN101287	Date: 8/7/2020	Apr-Jun 2020 O&M Charge Doc Amt: \$135,061.98
		Allocations: \$111,507.14	600-5500-0000-513	PW-San Felipe Reach 1 O&M- SantaClara
		Allocations: \$23,554.84	600-1503-0158-125	Reach 1 Capital Improvement Project

Payment Responsibilities:

Fund 000: \$0.00 Fund 100: \$0.00 Fund 300: \$0.00 Fund 600: \$135,061.98
Fund 800: \$0.00 Fund 802: \$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
027753	8/26/2020	\$120.00	SENTR	Sentry Alarm Systems
Voucher:	041994	Invoice: 2138896	Date: 6/15/2020	Quarterly Monitoring Doc Amt: \$120.00
		Allocations: \$12.00	100-6270-0000-563-06	CS-Operations GA 10/5/85
		Allocations: \$6.00	300-6270-0000-563-06	CS-Operations GA 10/5/85
		Allocations: \$102.00	600-6270-0000-563-06	CS-Operations GA 10/5/85

Payment Responsibilities:

Fund 000: \$0.00 Fund 100: \$12.00 Fund 300: \$6.00 Fund 600: \$102.00
Fund 800: \$0.00 Fund 802: \$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
027754	8/26/2020	\$249.52	SHRED	Shred-it- San Francisco
Voucher:	041983	Invoice: 8180249781	Date: 8/7/2020	Monthly Shredding Service Doc Amt: \$249.52
		Allocations: \$24.95	100-6270-0000-563-06	CS-Operations GA 10/5/85
		Allocations: \$12.48	300-6270-0000-563-06	CS-Operations GA 10/5/85
		Allocations: \$212.09	600-6270-0000-563-06	CS-Operations GA 10/5/85

Payment Responsibilities:

Fund 000: \$0.00 Fund 100: \$24.95 Fund 300: \$12.48 Fund 600: \$212.09
Fund 800: \$0.00 Fund 802: \$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
027755	8/26/2020	\$39,523.50	SLDMW	San Luis & Delta-Mendota WA
Voucher:	041979	Invoice: 4800	Date: 8/6/2020	FY 20/21 2nd Installment Doc Amt: \$40,284.50
		Allocations: \$2,363.50	600-6820-0000-562	Dues and Fee
		Allocations: \$37,767.00	600-6291-0209-563	CS-Programs-SLDMWA (CVP related activities)
		Allocations: \$59.50	600-5702-0000-513	PW Other-Yuba Water
		Allocations: \$94.50	600-6291-0197-563	CS-Prog Water Supply Participation Issues (DIPS)

Voucher: 041980 Invoice: 4800CM Date: 8/6/2020 FY 20/21 2nd Installment Doc Amt: -\$761.00
 Allocations: -\$761.00 600-6291-0209-563 CS-Programs-SLDMWA (CVP related activities)

Payment Responsibilities:

Fund 000: \$0.00 Fund 100: \$0.00 Fund 300: \$0.00 Fund 600: \$39,523.50
 Fund 800: \$0.00 Fund 802: \$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
027756	8/26/2020	\$10,531.74	SLDMWUS	San Luis & Delta-Mendota WA

Voucher: 041981 Invoice: 080520 Date: 8/5/2020 September Prepay/July Usage Doc Amt: \$108,625.80
 Allocations: \$53,485.80 600-5400-0000-513 PW-CVP Facility O&M-SLDMWA
 Allocations: \$55,140.00 600-5400-0000-513 PW-CVP Facility O&M-SLDMWA

Voucher: 041982 Invoice: 080520CM Date: 8/5/2020 July Prepaid Doc Amt: -\$98,094.06
 Allocations: -\$98,094.06 600-1304-0000-147 Prepaid Expense - Water Charges

Payment Responsibilities:

Fund 000: \$0.00 Fund 100: \$0.00 Fund 300: \$0.00 Fund 600: \$10,531.74
 Fund 800: \$0.00 Fund 802: \$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
027757	8/26/2020	\$37,128.75	TODDE	Todd Groundwater

Voucher: 042019 Invoice: 37649 820 Date: 8/8/2020 Engineering Services- Doc Amt: \$20,390.00
 Allocations: \$20,390.00 100-1351-0221-151 Grdwtr Mgmt Plan SGMA

Voucher: 042020 Invoice: 37643 820 Date: 8/8/2020 Engineering Services- Doc Amt: \$16,738.75
 Allocations: \$16,738.75 100-1351-0221-151 Grdwtr Mgmt Plan SGMA

Payment Responsibilities:

Fund 000: \$0.00 Fund 100: \$37,128.75 Fund 300: \$0.00 Fund 600: \$0.00
 Fund 800: \$0.00 Fund 802: \$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
027758	8/26/2020	\$1,422.86	UNDER	Underground Service Alert

Voucher: 041998 Invoice: 164566DIG20 Date: 8/14/2020 Annual Service Fee Doc Amt: \$1,422.86
 Allocations: \$1,422.86 600-6820-0000-562 Dues and Fee

Payment Responsibilities:

Fund 000: \$0.00 Fund 100: \$0.00 Fund 300: \$0.00 Fund 600: \$1,422.86
 Fund 800: \$0.00 Fund 802: \$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
027759	8/26/2020	\$2,360.96	USANO	USA North 811

Voucher: 041999 Invoice: 2020164566 Date: 7/22/2020 Annual Service Fee Doc Amt: \$2,360.96
 Allocations: \$2,360.96 600-6820-0000-562 Dues and Fee

Payment Responsibilities:

Fund 000: \$0.00	Fund 100: \$0.00	Fund 300: \$0.00	Fund 600: \$2,360.96
Fund 800: \$0.00	Fund 802: \$0.00		

Payment#	Date	Check Total	Vendor ID	Vendor Name			
027760	8/26/2020	\$3,073.19	USBNK-CC	U.S. Bank Corporation			
Voucher:	041984	Invoice: 072220JC	Date: 7/22/2020	Monthly Statement	Doc Amt:	\$18.93	
		Allocations:	\$18.93	600-6845-0000-562	General Business Expense GA		
Voucher:	041990	Invoice: 072220SN	Date: 7/22/2020	Monthly Statement	Doc Amt:	\$149.90	
		Allocations:	\$127.42	600-6840-0000-562-06	Communication GA 10/5/85		
		Allocations:	\$14.99	100-6840-0000-562-06	Communication GA 10/5/85		
		Allocations:	\$7.50	300-6840-0000-562-06	Communication GA 10/5/85		
Voucher:	041991	Invoice: 072220DM	Date: 7/22/2020	Monthly Statement	Doc Amt:	\$1,179.89	
		Allocations:	\$320.60	600-6320-0000-542	Supplies-TM		
		Allocations:	\$47.78	600-1395-0938-112-06	SP-District ADA improvement		
		Allocations:	\$5.62	100-1395-0938-112-06	SP-District ADA improvement		
		Allocations:	\$2.81	300-1395-0938-112-06	SP-District ADA improvement		
		Allocations:	\$469.81	600-6321-0000-542	Supplies-Structure Equip TDM		
		Allocations:	\$333.27	600-6320-0000-562	Supplies-GA		
Voucher:	042000	Invoice: 072220BM	Date: 7/22/2020	Monthly Statement	Doc Amt:	\$1,410.67	
		Allocations:	\$267.73	600-6840-0000-562-06	Communication GA 10/5/85		
		Allocations:	\$31.50	100-6840-0000-562-06	Communication GA 10/5/85		
		Allocations:	\$15.75	300-6840-0000-562-06	Communication GA 10/5/85		
		Allocations:	\$89.82	100-6270-0000-563-06	CS-Operations GA 10/5/85		
		Allocations:	\$44.91	300-6270-0000-563-06	CS-Operations GA 10/5/85		
		Allocations:	\$763.47	600-6270-0000-563-06	CS-Operations GA 10/5/85		
		Allocations:	\$5.80	300-6320-0000-562-06	Supplies-GA 10/5/85		
		Allocations:	\$98.52	600-6320-0000-562-06	Supplies-GA 10/5/85		
		Allocations:	\$11.59	100-6320-0000-562-06	Supplies-GA 10/5/85		
		Allocations:	\$34.95	600-6835-0000-562-06	Office Supplies 10/5/85 GA		
		Allocations:	\$2.06	300-6835-0000-562-06	Office Supplies 10/5/85 GA		
		Allocations:	\$4.11	100-6835-0000-562-06	Office Supplies 10/5/85 GA		
		Allocations:	\$34.40	600-6835-0000-562-06	Office Supplies 10/5/85 GA		
		Allocations:	\$2.02	300-6835-0000-562-06	Office Supplies 10/5/85 GA		
		Allocations:	\$4.05	100-6835-0000-562-06	Office Supplies 10/5/85 GA		
Voucher:	042016	Invoice: 072220SS	Date: 7/22/2020	Monthly Statement	Doc Amt:	\$313.80	
		Allocations:	\$119.60	600-6835-0000-562-06	Office Supplies 10/5/85 GA		
		Allocations:	\$7.04	300-6835-0000-562-06	Office Supplies 10/5/85 GA		
		Allocations:	\$14.07	100-6835-0000-562-06	Office Supplies 10/5/85 GA		
		Allocations:	\$147.13	600-1395-0938-112-06	SP-District ADA improvement		
		Allocations:	\$17.31	100-1395-0938-112-06	SP-District ADA improvement		
		Allocations:	\$8.65	300-1395-0938-112-06	SP-District ADA improvement		

Payment Responsibilities:

Fund 000: \$0.00 Fund 100: \$193.06 Fund 300: \$96.53 Fund 600: \$2,783.60
 Fund 800: \$0.00 Fund 802: \$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
027761	8/26/2020	\$42,159.18	USBR-LA	Bureau of Reclamation
Voucher:	042021	Invoice: 080520	Date: 8/5/2020	July Usage/ September Prepay
		Allocations:	\$21,586.96	600-5114-0000-513 PW-Municipal & Industrial
		Allocations:	\$87.84	600-5210-0000-513 PW-Restoration AG
		Allocations:	\$7,986.12	600-5210-0000-513 PW-Restoration AG
		Allocations:	\$144.96	600-5250-0000-513 PW-Restoration M&I
		Allocations:	\$26,358.56	600-5250-0000-513 PW-Restoration M&I
		Allocations:	\$11,236.20	600-5211-0000-513 PW-Direct Pumping - Ag
		Allocations:	\$8,659.56	600-5211-0000-513 PW-Direct Pumping - Ag
		Allocations:	\$19,593.76	600-5251-0000-513 PW-Direct Pumping - M&I
		Allocations:	\$3,732.72	600-5251-0000-513 PW-Direct Pumping - M&I
		Allocations:	\$35,740.00	600-5114-0000-513 PW-Municipal & Industrial
Voucher:	042022	Invoice: 080520CM	Date: 8/5/2020	July Prepay
		Allocations:	-\$52,760.00	600-1304-0000-147 Prepaid Expense - Water Charges
		Allocations:	-\$40,207.50	600-1304-0000-147 Prepaid Expense - Water Charges

Doc Amt: \$135,126.68

Doc Amt: -\$92,967.50

Payment Responsibilities:

Fund 000: \$0.00 Fund 100: \$0.00 Fund 300: \$0.00 Fund 600: \$42,159.18
 Fund 800: \$0.00 Fund 802: \$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
027762	8/26/2020	\$45,604.95	WINNER	Winner Chevrolet, Inc
Voucher:	041989	Invoice: 0002281	Date: 8/10/2020	2020 Chev Silver Vin#263816
		Allocations:	\$45,604.95	600-1471-0000-110 GP Transportation Equipment

Doc Amt: \$45,604.95

Payment Responsibilities:

Fund 000: \$0.00 Fund 100: \$0.00 Fund 300: \$0.00 Fund 600: \$45,604.95
 Fund 800: \$0.00 Fund 802: \$0.00

Payment#	Date	Check Total	Vendor ID	Vendor Name
027763	8/26/2020	\$168.86	WRIIN	Wright Bros Industrial Supply
Voucher:	041988	Invoice: 250870	Date: 8/17/2020	Welding Supplies
		Allocations:	\$148.28	600-6320-0000-542 Supplies-TM
		Allocations:	\$20.58	600-6197-0000-565 Personal Equipment/Uniform

Doc Amt: \$168.86

Payment Responsibilities:

Fund 000: \$0.00	Fund 100: \$0.00	Fund 300: \$0.00	Fund 600: \$168.86
Fund 800: \$0.00	Fund 802: \$0.00		

Payment#	Date	Check Total	Vendor ID	Vendor Name
027764	8/26/2020	\$1,955.41	WRIWE	Wright Bros Welding

Voucher: 041986	Invoice: 49065	Date: 7/8/2020	Welding Services	Doc Amt: \$123.50
	Allocations: \$123.50	600-6275-0000-522	CS-Maintenance-PM	

Voucher: 041987	Invoice: 49195	Date: 7/29/2020	Welding Services	Doc Amt: \$1,831.91
	Allocations: \$1,831.91	600-6275-0000-542	CS-Maintenance-TM	

Payment Responsibilities:

Fund 000: \$0.00	Fund 100: \$0.00	Fund 300: \$0.00	Fund 600: \$1,955.41
Fund 800: \$0.00	Fund 802: \$0.00		

Payment#	Date	Check Total	Vendor ID	Vendor Name
027765	8/26/2020	\$5,634.00	ZEIAL	Alan Zeisbrich

Voucher: 041995	Invoice: 2-2020N	Date: 8/3/2020	Professional Services	Doc Amt: \$3,843.75
	Allocations: \$1,687.50	600-6240-0000-563	CS-General Consulting-GA	

Allocations: \$187.49	300-6240-0000-563	CS-General Consulting-GA
-----------------------	-------------------	--------------------------

Allocations: \$984.38	600-6240-0602-563	CS-General Consulting WTP -GA
-----------------------	-------------------	-------------------------------

Allocations: \$984.38	600-6240-0603-563	CS-General Consulting WTP -GA
-----------------------	-------------------	-------------------------------

Voucher: 041997	Invoice: 7-2020	Date: 8/3/2020	Professional Services	Doc Amt: \$1,790.25
	Allocations: \$1,763.30	600-6240-0000-563	CS-General Consulting-GA	

Allocations: \$26.95	300-6240-0000-563	CS-General Consulting-GA
----------------------	-------------------	--------------------------

Payment Responsibilities:

Fund 000: \$0.00	Fund 100: \$0.00	Fund 300: \$214.44	Fund 600: \$5,419.56
Fund 800: \$0.00	Fund 802: \$0.00		

Report Totals, Payment Fund Responsibilities

Fund 000: \$0.00	Fund 100: \$41,270.04	Fund 300: \$2,429.43	Fund 600: \$358,888.94
------------------	-----------------------	----------------------	------------------------

Fund 800: \$0.00	Fund 802: \$1,684.86
------------------	----------------------

Fund 100 = District Administration	41,270.04 +
------------------------------------	-------------

Fund 300 = Zone 3	2,429.43 +
-------------------	------------

Fund 600 = Zone 6	658,888.94 +
-------------------	--------------

Fund 800 = Zone 103	1,684.86 +
---------------------	------------

Fund 802 = Zone 104	704,273.27 *
---------------------	--------------

**San Benito County Water District
Agenda Transmittal**

Agenda Item:

3

Meeting Date: August 26, 2020

Submitted By: Natalie Sullivan

Presented By: Jeff Cattaneo

Agenda Title: Acknowledgement of Paid Claims prior to the August 26, 2020 Board Meeting

Detailed Description: This is a notification that the check listed below were issued outside the normal claims process.

Payee	Check No.	Amount	For	Issued Date	Due Date
San Luis Delta Mendota	054005	\$ 151,623.25	San Joaquin River Exchange Water- July Delivery	8/12/20	8/25/20
HDR Engineering Inc	053992	\$ 5,540.00	Water Supply Consulting May to June	7/30/20	7/29/20
S.J. Electro Systems	053996	\$ 16,027.99	Scada Support Services and Maintenance FY 19/20	7/30/20	7/30/20

Financial Impact: X Yes No

Funding Source/ Recap:

Fiscal Year Budget as approved

Material Included for Information/Consideration:

Copy of manual check requests

Copy of payment stubs

Action Required: Resolution X Motion Review

Board Action

_____ Resolution No. ____ Motion By _____ Second By _____

Ayes _____ Abstained _____

Noes _____ Absent _____

Reagendized _____ Date _____ No Action Taken _____

MEMORANDUM

TO: Sara Singleton or Jeff Cattaneo

FROM: Natalie Sullivan

DATE: August 11, 2020

Subject: Manual Check Request

This is a request for a check to be processed with the urgent payables for August 12, 2020 Urgent Payables as listed below:

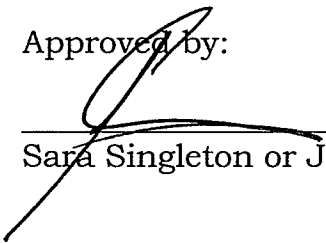
Vendor name and address (for remittance)		Amount of Request	Disposition Method: <i>Return to Requestor / Federal Express / Regular Mail</i>
San Luis Delta Mendota P.O. Box 2157 Los Banos, CA		\$151,623.25	Return to requestor
Expense Account number(s)	600-5600-0000-513-07 \$123,238.25 600-5601-0000-513-07 \$ 28,385.00		
Reason for Request:	This is a request to issue payment outside of the August Board Claims. This payment is for the WY2020 SJREWCA 5-year transfer program, July delivery. Payment is due to the SLDMWA by August 25, 2020 which is prior to the Board meeting for August.		

Supporting documentation for this request:

<input checked="" type="checkbox"/>	Is attached	<input type="checkbox"/>	Will be returned to Accounting upon receipt
-------------------------------------	-------------	--------------------------	---------------------------------------------

Please sign below as approval for issuance of this manual payment.

Approved by:


Sara Singleton or Jeff Cattaneo

8/12/20
Date

Vendor	Account	Date		
SLDMW	San Luis & Delta-Mendota WA	8/12/2020	0054005	
Invoice	Date	Description		Net Amt.
CB456	8/4/2020	SJREWCA - July Delivery		\$151,623.25

SJREWCA - July Delivery	\$151,623.25
-------------------------	--------------

MEMORANDUM

TO: Sara Singleton or Jeff Cattaneo

FROM: NATALIE SULLIVAN

DATE: July 29, 2020

Subject: Manual Check Request

This is a request for a manual check to be processed during the Urgent Payables for July 29, 2020, as listed below:

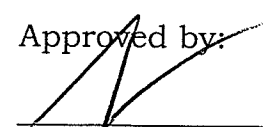
Vendor name and address (for remittance)		Amount of Request	Disposition Method: <i>Return to Requestor / Federal Express / Regular Mail</i>
HDR Engineering (address on vendor record)		\$5,540.00	Regular Mail
Expense Account number(s)	Amendment #16, Water Supply 600-1351-0222-151-02		
Reason for Request:	The vendor invoices were under review and were not available for inclusion in the Board Claims for July 2020. This is a request to pay the vendor invoices in the Urgent Payables of July 29, 2020 as the services were related to June and prior work.		

Supporting documentation for this request:

<input checked="" type="checkbox"/>	Is attached	<input type="checkbox"/>	Will be returned to Accounting upon receipt
-------------------------------------	-------------	--------------------------	---------------------------------------------

Please sign below as approval for issuance of this manual payment.

Approved by:


Sara Singleton or Jeff Cattaneo

Date

7/31/20

Vendor	Account	Date	
HDRENG	HDR Engineering Inc.	7/30/2020	0053992
Invoice	Date	Description	Net Amt.
1200275109	6/10/2020	Water Supply Consulting	\$3,086.25
1200282633	7/21/2020	Water Supply Consulting	\$2,453.75

Water Supply Consulting	\$5,540.00
-------------------------	------------

MEMORANDUM

TO: Sara Singleton or Jeff Cattaneo

FROM: NATALIE SULLIVAN

DATE: July 29, 2020

Subject: Manual Check Request

This is a request for a manual check to be processed during the Urgent Payables for July 29, 2020, as listed below:

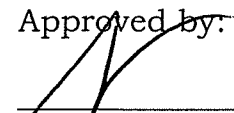
Vendor name and address (for remittance)		Amount of Request	Disposition Method: <i>Return to Requestor / Federal Express / Regular Mail</i>
S.J. Electro Systems, Inc. MCC Controls, LLC dba PRIMEX 22650 County Highway 6 Detroit Lakes, MN 56501		\$16,027.99	Regular Mail
Expense Account number(s)	Various (Refer to the contract and purchase orders that support the services)		
Reason for Request:	The vendor invoices were under review and were not available for inclusion in the Board Claims for July 2020. This is a request to pay the vendor invoices in the Urgent Payables of July 29, 2020 as the services were related to June and prior work.		

Supporting documentation for this request:

<input checked="" type="checkbox"/>	Is attached	<input type="checkbox"/>	Will be returned to Accounting upon receipt
-------------------------------------	-------------	--------------------------	---------------------------------------------

Please sign below as approval for issuance of this manual payment.

Approved by:


Sara Singleton or Jeff Cattaneo

Date

7/31/20

Vendor	Account	Date	
SJELE	S.J. Electro Systems, Inc.	7/30/2020	0053996
Invoice	Date	Description	Net Amt.
CD99368677	6/30/2020	Scada Support Services	\$4,017.00
CD99368678	6/30/2020	Scada Support Services	\$5,640.79
CD99368679	6/30/2020	Scada Support Services	\$6,370.20

Scada Support Services	\$16,027.99
------------------------	-------------

**San Benito County Water District
Agenda Transmittal**

Agenda Item: 4

Meeting Date: August 26, 2020

Submitted By: Jeff Cattaneo

Presented By: Jeff Cattaneo

Agenda Title: Consider Adopting Vintage Specific Plan Water Supply Assessment as Prepared by Todd Groundwater

Detailed Description:

The Vintage Specific Plan creates a 347-acre planned community including 1,280 homes at varying densities, mixed-use commercial, a school site, outdoor recreation, and natural open spaces. The Project area is located south of Ridgemark along State Highway 25. The Project area currently includes a school, and 20.9 acres of parks.

Water supply assessments, under SB 610, determine water supply sufficiency for a 20-year projection in addition to the demand of existing and other planned future uses, including, but not limited to, agricultural and manufacturing uses. They are required for any project that is subject to the California Environmental Quality Act and proposes commercial development of more than 250,000 square feet of floor space, a retail center with more than 500,000 square feet of floor space or more than 500 dwelling units.

Under SB 221, approval by a city or county of residential subdivisions of 500 dwelling units or more requires a written verification of sufficient water supply from the water supplier. The verification is prepared prior to the adoption of the final subdivision map and ensures that the sufficient water supply is available to serve a new subdivision before construction begins. The verification can use information from the water supply assessment prepared for the project.

Supporting documents for preparation of the WSA include portions of the North San Benito Groundwater Sustainability Plan (GSP) currently being prepared, the 2015 Urban Water Management Plan (UWMP) (Todd 2016) for the Hollister Urban Area (HUA), Annual Groundwater Reports (AGWRs, Todd AGWR 2006 through 2018), and the Water Demand Estimate prepared for the Project (Schaaf & Wheeler August 10, 2018). The 2015 UWMP covers only the Hollister Urban Area; the Project is outside of this area. However, the Annual Groundwater Reports and the GSP, currently in development, provide information on the Vintage Specific Plan area.

The purpose of this WSA is to document SBCWD's existing and future water supplies for its service area and compare them to the area's future water demand including that of the proposed

Project. This comparison, conducted for both normal and drought conditions, is the basis for an assessment of water supply sufficiency in accordance with the requirements of California Water Code section 10910 (Senate Bill 610).

The Project area currently houses three residences with a demand of approximately 1 ac-ft annually. The proposed Project demand for the homes and common areas is estimated to be 509.8 ac-ft annually.

Groundwater has been a source of water supply for existing uses on the property and is considered as the major source for the Project. Groundwater is available from the North San Benito Groundwater Basin (basin number 3-3.05, DWR 2019). This basin is the result of the 2019 consolidation of four previously defined basins (Bolsa, Hollister, San Juan Bautista, and Tres Pinos Valley).

Based on the evaluation performed by Todd Groundwater for the Vintage Specific Plan, sufficient water supply exists in the groundwater basin to support the proposed project.

Materials Included: Todd Groundwater prepared Vintage Specific Plan Water Supply Assessment

Financial Impact: _____ Yes _____ No

Funding Source/ Recap:

Recommendation: Adopt, Vintage Specific Plan Water Supply Assessment

Action Required _____ Resolution _____ X Motion _____ Review

Board Action

_____ Resolution No. _____ Motion By _____ Second By _____

Ayes _____ Abstained _____

Noes _____ Absent _____

Reagendized _____ Date _____ No Action Taken _____

BOARD AGENDA MEMO

DATE: July 28, 2020

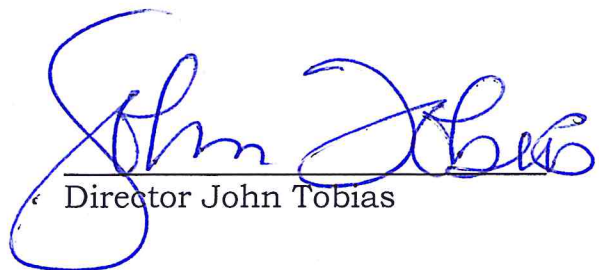
TO: Board of Directors

FROM: Zone 6 Water Supply Committee (John Tobias/Sonny Flores)


SUBJECT: Recommendation to the Board, the Adoption of the Water Supply Assessment for the Vintage Specific Plan

The Zone 6 Water Supply Committee met on July 28, 2020 and staff reviewed the Water Supply Assessment for the Vintage Specific Plan, prepared by Todd Groundwater.

The Zone 6 Water Supply Committee recommends Board adoption of the Water Supply Assessment for the Vintage Specific Plan.



Director John Tobias



Director Sonny Flores

WATER SUPPLY ASSESSMENT

THE VINTAGE SPECIFIC PLAN SAN BENITO COUNTY

August 26, 2019



2490 Mariner Square Loop, Suite 215
Alameda, CA 94501
510.747.6920
www.toddgroundwater.com

Table of Contents

1. INTRODUCTION.....	1
1.1. Acknowledgements.....	1
2. PROJECT WATER DEMAND	2
2.1. Project Water Demand	2
2.2. Estimated Future Recycled Water Use	3
2.3. Total Future Project Demand.....	3
3. NORTH SAN BENITO GROUNDWATER BASIN DEMAND	4
3.1. Climate	4
3.2. Population.....	4
3.3. Current Water Use Sectors and Water Demand.....	5
3.4. Projected Water Demand	5
3.5. Water Demand in Normal and Drought Periods.....	5
3.6. Water Conservation	5
4. WATER SUPPLY	7
4.1. Central Valley Project (CVP) Imported Water.....	7
4.2. Groundwater.....	8
4.2.1. Groundwater Management	8
4.2.2. Hydrology and Hydrogeology.....	8
4.2.3. Groundwater Levels and Flow	9
4.2.4. Water Balance and Sustainable Yield.....	9
4.2.5. Groundwater Quality	11
4.3. Recycled Water Use and Other Non-Potable Supplies	11
4.4. Water Supply in Normal and Drought Periods	11
5. COMPARISON OF SUPPLY AND DEMAND	13
6. REFERENCES.....	14

List of Tables

Table 1. Estimation of Proposed Project Water Demand

Table 2. Confirmation of Estimated Project Water Demand

Table 3. Climate Data

Table 4. Population Projections

Table 5. Historical Water Demand by Water Use Sectors (AFY)

Table 6. Projected Water Demand by Water Use Sectors (AFY)

Table 7. Historical Water Supply Sources (AFY) for San Benito County

Table 8. Historical Water Supply Delivered by Source in Normal, Single, and Multiple Dry Years (AFY)

Table 9. Normal Year Supply and Demand Comparison (AFY)

Table 10. Single Dry Year Supply and Demand Comparison (AFY)

Table 11. Multiple Dry Year Supply and Demand Comparison (AFY)

List of Figures

Figure 1. Proposed Project

Figure 2. North San Benito Groundwater Basin

List of Acronyms

Acre Feet per Year	AFY
Acre feet per year per dwelling unit	AFY/DU
Acre feet per year per acre	AFY/AC
Acre feet per square foot	AFY/SF
Annual Groundwater Report	AGWR
California Environmental Quality Act	CEQA
California Irrigation Management Information System	CIMIS
Central Valley Project	CVP
Department of Water Resources	DWR
Evapotranspiration	ETo
Gallons per capita per day	gpcd
General Plan Update	GPU
Groundwater Sustainability Plan	GSP
Hollister Urban Area	HUA
Maximum Contaminant Level	MCL
Milligram per Liter	mg/L
Model Water Efficient Landscape Ordinance	MWELO
Municipal and Industrial	M&I
San Benito County Water District	SBCWD
Senate Bill 610	SB610
Sustainable Groundwater Management Act	SGMA.
U.S. Bureau of Reclamation	USBR
Urban Water Management Plan	UWMP
Water Resources Association	WRA
Water Supply Assessment	WSA

1. INTRODUCTION

The Vintage Specific Plan (Project) creates a 347-acre planned community including 1,200 homes at varying densities, mixed-use commercial, a school site, outdoor recreation, and natural open spaces. The Project area is located south of Ridgemark along State Highway 25. The general layout of the Project is shown in **Figure 1**. The Project area currently includes a school, and 20.9 acres of parks.

The California Water Code section 10910 (also termed Senate Bill 610 or SB610) requires that a water supply assessment (WSA) be provided to cities and counties for projects (of a specified type and size) that are subject to the California Environmental Quality Act (CEQA). San Benito County Water District (SBCWD) is responsible for groundwater management in the area and recognizes the Project as subject to CEQA and SB610. Agencies (e.g., cities and counties) are mandated to identify the public water system that might provide the Project's water supply and then to request a WSA, which includes a discussion with regard to whether the public water system's total projected water supplies (available in normal, single dry, and multiple dry years during a 20-year projection) will meet the projected water demand associated with the proposed Project in addition to the public water system's existing and planned future uses. While the development will provide water to the Project for domestic, fire and irrigation services, SBCWD has responsibility for groundwater basin sustainability.

Foundational documents for preparation of the WSA include portions of the North San Benito Groundwater Sustainability Plan (GSP) currently being prepared, the 2015 Urban Water Management Plan (UWMP) (Todd 2016) for the Hollister Urban Area (HUA), Annual Groundwater Reports (AGWRs, Todd AGWR 2006 through 2018), and the Water Demand Estimate prepared for the Project (Schaaf & Wheeler August 10 2018). The 2015 UWMP covers only the Hollister Urban Area; the Project is outside of this area. However, the Annual Groundwater Reports and the GSP, currently in development, provide information on the Vintage area.

The purpose of this WSA is to document SBCWD's existing and future water supplies for its service area and compare them to the area's future water demand including that of the proposed Project. This comparison, conducted for both normal and drought conditions, is the basis for an assessment of water supply sufficiency in accordance with the requirements of California Water Code section 10910 (Senate Bill 610).

1.1. ACKNOWLEDGEMENTS

This assessment was prepared by Maureen Reilly, Senior Engineer and Iris Priestaf, President, on behalf of the San Benito County Water District. Ms. Reilly and Dr. Priestaf have completed numerous WSAs for clients throughout California.

2. PROJECT WATER DEMAND

2.1. EXISTING AND ESTIMATED PROJECT WATER DEMAND

This section addresses water demands for the existing Project area and for the proposed Project. The Vintage includes 1,200 homes, a school, landscaped areas, parks, and a mixed-use commercial area. Schaaf & Wheeler (August 10, 2018) prepared a water demand estimate for the Project, summarized below and shown in **Table 1**.

For residential land uses, water demand estimates are based on existing City of Hollister use reported in the UWMP for single family residences (0.33 AFY) and multi-family residences (0.21 AFY/DU). In addition, a third category was defined for medium/high-density single-family residences that accounts for the respective small lot size (0.27 AFY). These water demand factors include all onsite landscape irrigation.

Commercial water demand was estimated at 0.0003 AFY/SF with a floor area ratio (FAR) of 15 percent, based on demand factors from Marina Coast Water District. Landscape irrigation is estimated separately and assumes that 20 percent of the commercial area is irrigated landscaping. School water demand is based on an average demand of 10 AFY per school in Marina Coast Water District. Park irrigation is estimated using the Model Water Efficient Landscape Ordinance (MWELO) for this region, which allows for maximum water demand for residential, non-residential, and turf/sports fields of 2.25 AFY/AC, 1.84 AFY/AC, and 4.09 AFY/AC, respectively. Schaaf & Wheeler also included an additional 10 percent to the water demand to account for pipe loss. As shown in **Table 1**, the total calculated water demand of the Project is 509.8 AFY (Schaaf & Wheeler August 10, 2018).

To provide an independent check on water demand, the total population and expected water use per capita were computed as shown on **Table 2**. The Vintage Specific Plan (Ascent 2018) indicates that the household size for the 875 non-age-restricted units is expected to be 3.32 persons per household. This is similar to the 3.31 per household reported for Sunnyslope in the UWMP. A household size of 1.67 persons is expected for the 405 age-restricted units (active adult community, Ascent 2018).

The future per capita demand for all water uses was derived from the UWMP for the Hollister Urban Area (HUA), which was prepared in accordance with the 1983 Urban Water Management Planning Act and with Senate Bill 7, The Water Conservation Act of 2009. In brief, Senate Bill 7 requires that urban water suppliers (with more than 3,000 connections) increase their water use efficiency and provides methodologies to define a 10-year water use Base Period. This Base Period is used to calculate a Base Daily per Capita Water Use; this is the baseline for computing required future reductions for the HUA, including the total water supply for all uses, as measured at the point of production and divided by service area population. Senate Bill 7 requires retailer to reduce per capita daily water use 10 percent by 2015 and 20 percent by 2020, as compared to Base Daily per Capita Water Use. The HUA 2020 target per capita water use is 126 gallons per capita daily (gpcd) and applies into the future (Todd 2016).

The total Vintage population is estimated at 3,581 people. Applying a per capita water use of 126 gpcd, the total water demand using the UWMP 2020 per capita demand is 505 AFY. This independent estimate provides reasonable confirmation of the water demand calculated by Schaaf & Wheeler (509.8 AFY), which is slightly more conservative (slightly larger) and is more detailed using individual water demand estimates based on the specific plan. Accordingly, the Project water demand is expected to reach 509.8 AFY at buildout.

2.2. ESTIMATED FUTURE RECYCLED WATER USE

While there are no immediate plans for recycled water, the Vintage community may develop recycled water in the future. The non-potable water demand is calculated separately to show recycled water use potential.

2.3. TOTAL FUTURE PROJECT DEMAND

The Project area currently includes three rural residences. Schaaf & Wheeler estimated the total existing demand at 1 AFY. Additional water may be used for livestock in the area, as a stock pond is visible in aerial photos, but this is assumed negligible.

With the Project, the water demand on the site would increase 509.8 AFY less 1 AFY of recent historical water demand.

3. NORTH SAN BENITO GROUNDWATER BASIN DEMAND

This section summarizes the existing water demand for the North San Benito Basin, the groundwater basin that will serve as the Project's water source. The first part describes the factors affecting total water demand, including climate, population and employment, plus the mix of customer types, such as residential, commercial, agricultural and industrial. The second part documents water demands not only under normal climatic conditions, but also during drought.

3.1. CLIMATE

Climate has a significant influence on water demand on a seasonal and annual basis. This influence increases with the portion of water demand for outside uses, specifically landscape irrigation.

Table 3 summarizes representative climate data for the area, including average monthly and annual rainfall and evapotranspiration (ET_o), measured at the California Irrigation Management Information System (CIMIS) Hollister station. The region has a Mediterranean climate, characterized by dry summers and wet winters with year-round moderate-to-warm temperatures. San Benito County has a moderate California coastal climate, with a hot and dry summer season typically lasting from May through October. Average annual rainfall ranges from 7 inches in the drier eastern portion of the County to 27 inches per year in high elevations to the south (PRISM 2010). The City of Hollister, some 30 miles inland from the coast and separated from it by the Gabilan Range, receives an annual average rainfall of about 13 inches. Snowfalls in the mountains are infrequent and relatively light.

A comparatively long growing season of 265 days or more per year prevails, and year-round cropping is practiced to some extent. The area has a high percentage of sunny days, particularly in summer. Most of the rainfall occurs in the late fall, winter, and early spring, generally between November and April. Reflecting this pattern, water demand in the area is greater in the summer than in the winter. Therefore, significant irrigation is required during summer months (HDR 2008). Climate change may affect future water supply availability for the North San Benito Basin by reducing water availability, changing local precipitation patterns, and increasing water demands.

3.2. POPULATION

The 2035 San Benito County General Plan Update (GPU) estimates an increase in population county-wide from 55,269 people in 2010 to 94,731 people in 2035, **Table 4**. The existing area of the Project has three residences and an estimated population of 10 people (3 homes x 3.31 people per home). The Project is expected to replace these three homes and to have a population of 3,581 residents (**Table 2**). This increase is within the total population increase estimated in the GPU; however, the GPU includes additional areas for growth (Todd 2014).

3.3. CURRENT WATER USE SECTORS AND WATER DEMAND

The Water Supply Evaluation prepared for the County GPU includes an estimate of current water demand for the County as of 2010. In addition, the 2011 and 2016 HUA UWMPs also included demand from 2010 and 2015 within the HUA. **Table 5** shows the GPU current water demand by sector, adjusted for the water demand reported in the UWMP. Most of the water demand in the County is for irrigated agriculture, almost 90 percent of total demand. The remaining water demand is for municipal, domestic, and industrial uses including 7 percent in the HUA, 1 percent in San Juan Bautista, and 3 percent in unincorporated areas outside of the HUA (the Project would be included in this category).

3.4. PROJECTED WATER DEMAND

Table 6 summarizes projected water demands for the GPU adjusted to reflect the HUA UWMP projections. Water demand for agricultural irrigation is expected to increase to accommodate 1,000 acres of new vineyards by 2035. The HUA plans significant growth, more than doubling the water demand of 2015 by 2035. The UWMP accounts for this growth in demand with similar growth in water supply.

3.5. WATER DEMAND IN NORMAL AND DROUGHT PERIODS

Relative to water demand in normal years, water demand during drought could be expected to increase due to lack of rain; however, this potential effect is countered by water conservation efforts as part of the Water Shortage Contingency Plan included in the UWMP and other drought-related programs. In fact, water demand has been reduced significantly during recent droughts to levels less than those in normal years. Residents and businesses in North San Benito responded to the recent severe drought of 2013 through 2015 with significant water conservation; for example, the Hollister Urban Area reduced its water demand by 22 percent over 2013 demands (Todd AGWR 2017). Similar reductions could be achieved beyond the Hollister Urban Area in unincorporated areas, if consistent water conservation programs are instituted.

3.6. WATER CONSERVATION

SBCWD is a member agency of the Water Resources Association (WRA), which promotes conservation of water supplies. WRA, through its Water Conservation Coordinator and other staff, supports a variety of public education and outreach efforts. The WRA conservation coordinator's duties focus primarily on ongoing programs within the SBCWD to encourage wise water use among the agricultural community and within the groundwater basin.

On the State level, Senate Bill 7 called for a 20 percent reduction in urban water use by the year 2020; this applies to urban water providers with 3,000 or more connections. The water code was amended to require that 2015 and 2020 water use targets be developed in the 2010 UWMPs and updated in the 2015 UWMPs. Per the 2015 UWMP, the HUA set a 2020 compliance target for per capita water consumption of 126 gpcd (Todd 2016). As noted in

Section 2.1 Project Water Demand, the estimated water demand for the Project is consistent with this water consumption rate.

It is assumed that the Project will utilize up-to-date water-conserving plumbing fixtures in accordance with State requirements. Consistent with County General Plan goals,¹ the water purveyor should coordinate with other local water agencies to ensure water supply reliability and develop consistent plans for responding to drought and climate change with appropriate water demand management measures.

¹For example, see General Plan Goal PFS-3 and accompanying policy and implementation. The goal is to ensure reliable supplies of water for unincorporated areas to meet the needs of existing and future agriculture and development, while promoting water conservation and the use of sustainable water supply sources.

4. WATER SUPPLY

The Project area is within the North San Benito Groundwater Basin (see **Figure 2**). The property is on the existing Lima Ranch, which is in SBCWD's Zone 6, the area of benefit for importation and distribution of imported Central Valley Project (CVP) water. In addition, several existing wastewater treatment facilities are nearby, and the Project may include an on-site wastewater treatment facility (Schaaf & Wheeler August 28, 2018); these could be potential sources of recycled water. As such, the potential water supply sources include imported water, groundwater, and potentially recycled water. Each potential source is addressed below.

Table 7 summarizes the county-wide historical water supply sources and estimated volumes as reported in the County GPU and HUA UWMP. Current water supply is estimated from the GPU's Water Supply Evaluation of county-wide supply and the SBCWD Annual Groundwater Reports. Groundwater represents the bulk of supply amounting to 92 percent in 2015, while the recent portion of supply from imported water varies from 17.5 percent in 2010 to 7 percent in 2015.

4.1. CENTRAL VALLEY PROJECT (CVP) IMPORTED WATER

The existing Lima Ranch has an existing maximum allocation with SBCWD for purchase of 60.9 AFY of CVP water. This CVP supply is non-potable and interruptible and is allocated to a portion of the property, namely the lower portion adjacent to Highway 25. CVP water is not provided to parcels less than five acres. If this lower portion is subdivided into such small parcels, no CVP water will be available. It should be noted that the District's M&I CVP allocation is oversubscribed and additional allocations are not available (SBCWD 2019). However, CVP is a significant source of supply for the basin and is described below.

The CVP is a Federal water system operated by the U.S. Bureau of Reclamation (USBR) and created for multiple purposes including flood control, navigation, recreation, power generation, environmental conservation, and water supply.

CVP water is brought into San Benito County by SBCWD and stored in San Justo Reservoir west of the Project; this reservoir is used exclusively to store and regulate imported CVP water. The SBCWD has a 40-year contract (extending to 2027) for a maximum of 8,250 AFY of municipal and industrial (M&I) water and 35,550 AFY of agricultural water. Imported CVP water is delivered to agricultural customers as well as M&I customers, including Stonegate just east of Vintage. The volume of delivered CVP water varies based on annual allocations from USBR. In wet years, the SBCWD generally receives 100 percent of their contracted amount. However, in dry years SBCWD's allocation can be significantly reduced. For example, in Water Year 2014, SBCWD received no allocation for agricultural imported water and 50 percent of the contract amount for municipal and industrial uses. In 2015, the agricultural allocation was zero and the M&I allocation was only 25 percent.

4.2. GROUNDWATER

Groundwater has been a source of water supply for existing uses on the property and is considered as the major source for the Project. Groundwater is available from the North San Benito Groundwater Basin (basin number 3-3.05, DWR 2019); the basin outline is shown on **Figure 2**; this basin is the result of the 2019 consolidation of four previously defined basins (Bolsa, Hollister, San Juan Bautista, and Tres Pinos Valley).

4.2.1. Groundwater Management

SBCWD manages groundwater resources throughout San Benito County, including the North San Benito Basin, which is relatively intensively developed and managed. SBCWD provides conjunctive management of local surface water, imported water, and groundwater supply and storage. SBCWD manages the groundwater basin by importing and delivering CVP water in lieu of groundwater pumping, augmenting recharge with imported and local surface water, monitoring groundwater levels and quality, and other activities. SBCWD prepares an annual groundwater report describing groundwater conditions in the North San Benito Basin and providing a ‘state of the basin’ summary of groundwater levels and storage, water supplies and demands, and management actions for the groundwater basin (Todd AGWR 2018).

Groundwater management of priority groundwater basins throughout California—including the North San Benito Basin—currently is being developed in compliance with the 2014 Sustainable Groundwater Management Act (SGMA). SGMA is a relatively new law that requires comprehensive groundwater management within a defined schedule and with detailed regulations developed by the California Department of Water Resources (DWR) and clarified through Senate Bill 13 (effective January 1, 2016). In brief, SGMA requires sustainable groundwater management for designated medium- and high-priority groundwater basins, including the medium-priority North San Benito Groundwater Basin. Consistent with SGMA, preparation of a Groundwater Sustainability Plan (GSP) for the North San Benito Basin is underway and will be completed by January 2022.

4.2.2. Hydrology and Hydrogeology

The Project overlies the North San Benito Groundwater Basin as shown on **Figure 2** (DWR 2019). The North San Benito Basin (nominally a subbasin of the larger Gilroy-Hollister Groundwater Basin) covers approximately 200 square miles between and including portions of the Diablo Range to the east and the Gabilan Range to the west. It is adjoined on the north by the Llagas Subbasin (Llagas Basin), which is the northern extension of the Gilroy-Hollister Basin in Santa Clara County.

The major stream is the San Benito River, which crosses the southern portion of the basin before reaching the Pajaro River. The San Benito River, when flowing, is a recharging stream along much of its length, but groundwater contributes some base flow locally including just upstream of its confluence with the Pajaro River. The Hernandez Reservoir, located

upstream of the basin on the San Benito River, is operated to enhance flow in the river and recharge the groundwater basin.

The North San Benito Basin lies within the Coast Ranges of California, a series of elongated ranges and valleys with a predominantly northwesterly trend. The North San Benito Basin is structurally complex. The substantial depth of the North San Benito Basin and the current topography of the land surface have resulted in part from faulting and folding of geologic deposits; for example, the Flint Hills northeast of San Juan Valley (see Figure 2) are associated with the Sargent anticline (upward fold) and consist of older semi-consolidated continental deposits.

Faulting and folding of basement rocks in the area has also resulted in valleys that have been infilled with sediments. Basin fill material consists of unconsolidated to poorly consolidated alluvium of Tertiary and Quaternary age. The Quaternary alluvial deposits compose the valley floors and are underlain by non-marine sediments of Pliocene age or younger (less than 5 million years old). These formations also are exposed at the land surface in the hills surrounding the valleys.

Major geologic faults, including the San Andreas and Calaveras, trend northwestward through the area. Most notably, the Calaveras fault is active and cuts through the basin, trending north-northwest from Hollister to the Pajaro River at San Felipe Lake. The fault impedes groundwater flow locally, perhaps due to the presence of low permeability rock fragments and blocks displaced upward and adjacent to more permeable alluvial material along the fault zone (Todd 2019).

4.2.3. Groundwater Levels and Flow

In general, groundwater in the basin flows from the southeast and eastern portions of the North San Benito Basin toward the western and northwestern portions and the Pajaro River. However, general flow directions have been reversed in the Bolsa area due to groundwater pumping; groundwater in the Bolsa area near the Pajaro River flows southeast toward lower water levels. Water levels and trends are presented in the SBCWD annual reports (e.g. Todd AGWR 2018). Groundwater generally occurs under unconfined and confined conditions. Surficial clay deposits, especially in the Bolsa and San Juan Valley areas, create confining layers. These layers have resulted in local artesian conditions wherein groundwater levels in wells have risen to the surface.

4.2.4. Water Balance and Sustainable Yield

The Hollister Urban Area UWMP provides basic information on water supply and demand, including the water balance. While the UWMP does not directly account for the Project area, surrounding areas and future uses are taken into account in the calculation of available groundwater supply. Previously, SBCWD had employed distinct locally defined subbasins; the HUA was indicated to overlie parts of the Hollister East, Hollister West, and Tres Pinos subbasins. The HUA UWMP confirmed the local sustainable yield of these subbasins to be 16,000 AFY; however, it cautions that the yield is applicable only for

planning purpose (Todd 2016, Todd 2011). In water year 2015 (October to September), groundwater pumped from the Hollister East, Hollister West, and Tres Pinos subbasins totaled 14,908 AFY, 22 percent of which was used by the HUA agencies (Todd 2016). For planning purposes, that indicates that as much as 1,092 AFY (16,000 AFY less 14,908 AFY) of groundwater may be available in the local area, while recognizing that this available groundwater is flowing to and providing inflow to downgradient areas. Accordingly review of the water balance of the basin is warranted.

The SBCWD Annual Groundwater Report examines changes in groundwater levels and storage as basic indicators of net water balance conditions for the northern portion of the basin (an area that includes the Project). A complete water balance for the North San Benito Groundwater Basin—including detailed estimation of all inflows, outflows, and changes in storage—has been documented on a triennial basis. All values for the basin-wide water balance in this section are those calculated and reported in the Annual Groundwater Report for water year 2017 (Todd AGWR 2017). Major inflows include deep percolation from rainfall, return flow from urban and agricultural uses, recharge of reclaimed water, stream percolation (both natural and managed through reservoir and CVP releases), and subsurface inflow from adjacent groundwater basins. Most of these inflows are controlled by hydrological conditions and are generally greater in wet years and reduced in dry years.

Major outflows include pumping from agricultural and urban sources and subsurface outflow to adjacent basins. Agricultural groundwater pumping is measured in Zone 6, but not in other parts of the basin. The volume of agricultural pumping in Zone 6 in any given year is dependent on the volume of CVP imports and the amount and distribution of rainfall, as growers often rely on both groundwater and CVP for water supply. In 2015, domestic, municipal, and industrial pumping decreased in response to the state-wide conservation mandate. As noted, municipal pumping is largely concentrated in the Hollister area.

In the Project area, groundwater levels have been relatively consistent over the long term, 1976 through 2018. Groundwater levels in wet and normal times are generally around 340 feet above MSL. Groundwater levels in dry years decline about 25 feet but recover within two to three years. During the most recent drought, 2013 through 2015, water levels declined 25 feet over the three years. By 2018, levels had recovered 15 feet and continue to increase (Todd AGWR 2018).

The GSP now being prepared will include detailed information about the groundwater basin including a water balance. Previously, a water balance has been completed every three years as part of the SBCWD Annual Groundwater Report for the northern portion of the basin. The most recent water balance (water year 2017) confirms that the inflow into groundwater basin is sufficient to meet current cumulative pumping demands. This water balance also shows that basin-wide inflows range from around 21,000 AFY to 64,000 AFY, and outflows range from around 27,000 AFY to 50,000 AFY, generally reflecting a dynamic but long-term stable groundwater system (Todd AGWR 2017); this stability, however, is based on the availability of 20,000 to 25,000 AFY of CVP supply.

The GSP, planned for completion by 2022, will include a detailed historical water balance (for water years 1975 to 2017), evaluation of sustainable yield, and a numerical model that will simulate future water balance scenarios that address increased water demands, proposed projects and management actions, and climate change.

4.2.5. Groundwater Quality

The quality of groundwater in the North San Benito Groundwater Basin has been described as highly mineralized and of marginal quality for drinking and agricultural purposes. The mineralized water quality is typical of other relatively small Coast Range groundwater basins but has also been impacted by decades of human-related activities, both agricultural and urban. While water quality has remained stable in most areas of the basin in recent years, areas near the Project have shown stable to slightly improving trends in key constituents like nitrate and TDS. Nitrate (as NO₃) concentrations in the District monitoring well closest to the project site (MW-51) are about 14 mg/L, well below the MCL of 45 mg/L. Average TDS concentrations in the monitoring well are about 700 mg/L, above the secondary MCL of 500 mg/L but below the basin objective of 1,200 mg/L from the Salt Nutrient Management Plan (Todd 2014). Water quality will need to be monitored regularly in the Project area to ensure sufficient water quality for potable supply, in accordance with Division of Drinking Water (DDW) permits and regulations.

A significant factor for the Project area water quality may be the wastewater disposal of the Project itself. Scenarios examining water quality concerns of wastewater disposal are discussed in a separate memorandum.

4.3. RECYCLED WATER USE AND OTHER NON-POTABLE SUPPLIES

The Project may develop recycled water supplies at its wastewater plant in the future. However, there are no immediate plans to supply recycled water to meet a portion of Project water demand.

4.4. WATER SUPPLY IN NORMAL AND DROUGHT PERIODS

The California Water Code requires a WSA to include discussion of how supply will meet demand during normal, single dry, and multiple dry years during a 20-year projection. As discussed, the volume of imported water available to the basin may be significantly reduced during dry years. The past response to recent droughts provides an indication how the water supply source will respond in a future drought. Water year 2016 was selected to represent a normal year as precipitation was 118 percent and CVP allocations were near average. The region recently experienced a single year drought in 2007 when precipitation was 53 percent of normal and a multiple year drought from 2013 to 2015 when the average precipitation was 57 percent of normal (Todd AGWR 2018).

Table 8 shows the estimated water delivered by source during normal, single dry, and multiple dry years for the entire county. In general, groundwater pumping continues and even increases during drought as evapotranspiration demands of crops are likely to increase

in dry years. This increased use of groundwater during drought is part of SBCWD's ongoing conjunctive management of surface water supplies and groundwater supply and storage, wherein available surface water supplies are delivered in normal and wet years, which allows replenishment of groundwater storage through in-lieu and direct recharge. Groundwater storage then is available for use during drought.

Given the ongoing conjunctive management of SBCWD—including availability of CVP supply in wet years—and the responses to single and multiple year droughts in the recent past, the water supplies selected for this Project are not likely to be reduced during dry periods. In the North San Benito Basin, there is no mechanism in place to directly reduce or restrict groundwater pumping by private parties during drought and no such regulations are foreseen².

In reviewing **Table 8**, it should be clarified that *water supply* refers to the *water delivered* to meet demand and not the total available supply of that source. The groundwater basin is sufficient to meet the increased demand during drought as long as the increased pumping is replenished with natural or managed recharge to maintain the basin as a reserve in dry times.

Review of **Tables 9, 10, and 11** shows that the delivered water supply and demand are expected to increase slightly from 2020 to 2040. Given that the SBCWD expects to meet demands, and groundwater is available in dry years, the SBCWD and Project can expect to meet future demands for both single and multiple dry years through 2040.

² The Hollister Urban Area UWMP, Annual Groundwater Reports, and WRA website summarize the water conservation activities of the WRA that are directed to urban, rural, and agricultural water users. The HUA Water Shortage Contingency Plan includes mandatory water use restrictions for urban customers during drought.

5. COMPARISON OF SUPPLY AND DEMAND

The net water demand increase for the proposed Project is 508.8 AFY, based on the estimates provided by Schaaf and Wheeler (509.8 AFY) less the 1.0 AFY of recent historical water demand. The Project area is in an unincorporated part of San Benito County and is not included within the UWMP for the Hollister Urban Area. However, the HUA UWMP did examine the sustainable yield of the surrounding area, estimated uses outside the HUA, and found sufficient groundwater availability for an approximate additional demand of 1,000 AFY.

As documented in **Tables 9, 10, and 11**, the County in general and North San Benito Groundwater basin in particular should have sufficient water supply to meet the demands of Vintage Specific Plan for normal, single dry, and multiple dry years during a 20-year projection.

6. REFERENCES

Ascent Environmental, The Vintage Specific Plan, 2018.

California Department of Water Resources (DWR), Groundwater Basin Boundary Assessment Tool, <https://gis.water.ca.gov/app/bbat/>, Last updated February 2019.

HDR, Hollister Urban Area Water and Wastewater Master Plan, Report prepared for SBCWD, City of Hollister, and SSCWD, November 2008.

Jones & Stokes Associates (JSA), 2000, Annual groundwater report for the 1999-2000 water year, final, prepared for San Benito County Water District, December 2000.

PRISM Climate Group, 30-Year Normal Isohyets, <http://prism.oregonstate.edu/>, 2010.

San Benito County, General Plan Update and EIR, online project documents.

Schaaf & Wheeler, Wastewater Flows and Disposal for the Lima Property Project, August 28 2018.

Schaaf & Wheeler, Water Demand Estimate for the Lima Property Project, August 10 2018.

Todd Engineers, Hollister Urban Area Urban Water Management Plan, June 2011.

Todd Groundwater, 2014, San Benito County General Plan Update Water Supply Evaluation, 2014.

Todd Groundwater, 2015 Hollister Urban Area Urban Water Management Plan, prepared for San Benito County Water District, Sunnyslope County Water District, and City of Hollister, September 2016.

Todd Groundwater, Draft Groundwater Sustainability Plan - Hydrogeological Conceptual Model, April 2019.

Todd Groundwater, Water Years 2006-2018 Annual Groundwater Reports, Prepared for San Benito County Water District, 2006 through 2018.

Yates, G., Annual groundwater report for water year 2004, revised final, prepared for San Benito County Water District, January 10, 2005.

TABLES

Table 1. Estimation of Proposed Project Water Demand

Category	Quantity	Unit	Factor (AFY/Unit)	Demand (AFY)	Potable (AFY)	Non-Potable (AFY)	Notes
Single Family Res. (LD & MD)	880	DU	0.33	290.4	290.4		1
Single Family Res. (MHD)	320	DU	0.27	86.4	86.4		3
Multi-Family Residential (VC)	80	DU	0.21	16.8	16.8		2
Commercial Bldg	33000	SF	0.0003	9.9	9.9		4
Commercial Landscape	1.04	AC	1.84	1.9		1.9	5, 6
Parks, Turf (assume 40%)	8.36	AC	4.09	34.2		34.2	5, 7
Parks, Landscape (25%)	5.23	AC	1.84	9.6		9.6	5, 8
Landscape (non-turf)	0.9	AC	1.84	1.7		1.7	5
School	1	EA	10	10	10		10, 11
Streetscape Landscape	1.38	AC	1.84	2.5		2.5	5, 9
Existing Residential	3	DU	0.33	1	1		1
SUBTOTAL				463.4	413.5	49.9	
Provision for Losses		10%		46.3	41.4	5	
TOTAL				509.8	454.9	54.9	

Notes

1. Demand factor from Hollister Urban Area 2015 UWMP, Appendix C, City of Hollister data
2. Demand factor from Hollister Urban Area 2015 UWMP, Appendix C, assumes 6 DU/connection
3. Medium High Density factor is average of Single Family (0.33) and Apartment (0.21) to address reduced lot size.
4. Assumes FAR of 0.15. Commercial demand factor.
5. Reference ETo is 49.1 in/yr. Average of CIMIS stations 126, San Benito, and 146, San Juan Valley.
6. Assume 20% of site is landscaped. Allowable irrigation is 45% of ETo per MWELO.
7. Assume 40% of site is irrigated play fields. Allowable irrigation is 100% of ETo per MWELO.
8. Assume 25% of site is irrigated non-turf landscaping. Allowable irrigation is 45% of ETo per MWELO.
9. Assume 5% of major road area is irrigated non-turf landscaping. Allowable irrigation is 45% of ETo per MWELO.
10. Assume 10 AFY for new middle school, based on MPISD average. Includes landscaping.
11. School playfields are part of the Park total
12. Peaking factor from Hollister Urban Area Water and Wastewater Master Plan, 2008

Table 2. Confirmation of Estimated Project Water Demand

Type of Housing	Number of Dwelling Units	Average Household Size	Total Population	Per Capita Demand Per Day (gpcpd)	Estimated Water Use (gpd)	Estimated Water Use (AFY)
Non Age Restricted	875	3.32	2,905	126	366,030	410
Age Restricted	405	1.67	676	126	85,220	95
TOTAL	1,280		3,581		451,250	505

Table 3. Climate Data

Parameter	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Average Rainfall (in)	2.396	2.632	1.595	1.021	0.423	0.074	0.008	0.014	0.054	0.687	1.805	2.701	13.41
Average ETo (in)	1.497	1.948	3.466	4.59	5.903	6.597	7	6.183	4.93	3.56	1.902	1.406	48.87

Source: CIMIS Station126, Hollister average from 1995-2017

Table 4. Population Projections

	2010	2015	2020	2025	2030	2035	2040
Total Population GPU 2035 ¹	55,269	63,161	71,054	78,946	86,839	94,731	94,731
Project Population	10	10	10	3,581	3,581	3,581	3,581

Notes

- 1. 2035 General Plan Update (GPU) - estimated 2015-2030 based on linear trend, 2040 assumed to be equal to 2035 Buildout
- 2. 2015 UWMMP Table 3.1

Table 5. Historical Water Demand by Water Use Sectors (AFY)

	2010 Population/ Irrigated Acreage	2010 Water Use (AFY)	2015 Water Use ⁴ (AFY)
HUA - UWMP¹	40,121	5,536	4,945
Single Family		3,920	3,259
Multi-Family		522	487
Commercial/Industrial		574	587
Landscape		384	574
Other/Losses		137	39
Unincorporated Population Outside of HUA²	13,286	2,192	1,883
San Juan Bautista (Incorporated)³	1,862	319	439
Single Family		154	166
Multi-Family		39	42
Commercial/Industrial		71	76
Landscape			-
Other/Losses		55	59
Irrigated Agriculture³	31,372	61,626	61,992
Truck Crops (Vegetables)	17,159	34,318	34,318
Orchards/Vineyards	6,808	17,701	17,701
Other (field, grain, pasture, misc.)	6,405	9,608	9,608
Potential Future Vineyards	1,000	-	366
Totals		69,674	69,259

Notes

1. Hollister Urban Area (HUA) UWMP
2. San Benito County GPU 2035 - adjusted to remove HUA from unincorporated population
3. GPU 2035
4. 2015 Water Demand estimated from GPU 2010 demand based on a linear trend to buildout in 2035

Table 6. Projected Water Demand by Water Use Sectors (AFY)

	2010	2015	2020	2025	2030	2035
HUA - UWMP¹	5,536	4,945	6,820	7,740	8,840	10,170
Single Family	3,920	3,259	4,325	5,034	5,898	6,948
Multi-Family	522	487	639	730	840	974
Commercial/Industrial	574	587	843	906	968	1,031
Landscape	384	574	286	286	286	286
Other/Losses	137	39	727	784	848	931
Unincorporated Population Outside of HUA²	2,192	2,130	2,068	2,006	1,945	1,883
San Juan Bautista³	319	343	367	391	415	439
Single Family	154	166	177	189	200	212
Multi-Family	39	42	45	48	51	54
Commercial/Industrial	71	76	82	87	92	98
Landscape		0	0	0	0	0
Other/Losses	55	59	63	67	72	76
Irrigated Agriculture³	61,626	61,992	62,358	62,724	63,089	63,455
TOTAL	69,674	69,411	71,614	72,861	74,289	75,947

Notes

1. HUA - UWMP 2015
2. GPU 2035 - Adjusted to account for HUA
3. GPU 2035 - 2015 to 2030 estimate on linear trend

Table 7. Historical Water Supply Sources (AFY) for San Benito County

Water Supply Sources	Water Supply/Use by Water Year ¹			
	Water Year 2000 (AFY)	Water Year 2005 (AFY)	Water Year 2010 (AFY)	Water Year 2015 (AFY)
Groundwater²	>47,056	>28,965	57,559	69,239
<i>Zone 6 - Agriculture</i>	18,406	12,056	19,087	29,229
<i>Zone 6 - M&I</i>	9,747	7,769	5,152	5,099
<i>Bolsa</i>	11,448	7,697	6,294	7,712
<i>Paicines</i>	5,604	1,057	1,032	1,176
<i>Tres Pinos Creek Valley</i>	1,851	386	326	356
<i>Other²</i>	not available	not available	25,668	25,668
Central Valley Project	18,673	20,384	12,258	5,507
<i>Zone 6 - Agriculture</i>	17,656	17,454	10,061	3,697
<i>Zone 6 - M&I</i>	1,017	2,930	2,197	1,810
Recycled Water	0	0	230	253
Totals	-	-	70,047	74,999

Notes

1. Data available for Water Year (October 1 - September 30).
Data from SBCWD Annual Reports:
2015 from 2017 Annual Report Table 5 (Todd 2017)
2010 from 2010 Annual Report Table 3 (Todd 2010)
2005 from 2005 Annual Report Table 1 (Yates 2005)
2000 from 2000 Annual Report Table 1 (Jones & Stokes 2000)
 2. Other represents water use in remainder of County - outside of the North San Benito Groundwater basin.
2010 water supply value based on total estimated County water use for calendar year 2010 (70,047 AF).
Assume calendar year and water year water use are similar. Also assume no significant change from 2010 to 2015
- Water use is not metered in groundwater subbasins outside of Zone 6, including the Bolsa, Paicines and Tres Pinos Creek Valley groundwater subbasins. Water supply/use values for these subbasins were estimated on the basis of a water balance model that incorporates cropping information.

Table 8. Historical Water Supply Delivered by Source in Normal, Single, and Multiple Dry Years (AFY)

Supply Source	Entitlement (AFY)	Normal Year ¹ (Water Year 2016, AFY)	Single Dry Year ² (Water Year 2007, AFY)	Multiple Dry Years ³ (Water Years 2013 through 2015, AFY)
Groundwater	-	67,470	56,804	66,914
Zone 6 - Agriculture	-	27,912	14,247	25,105
Zone 6 - M&I	-	5,251	8,297	6,897
Bolsa ⁷	-	7,123	7,086	7,712
Paicines ⁷	-	1,165	1,156	1,176
Tres Pinos Creek Valley ⁷	-	352	350	356
Other ⁶	-	25,668	25,668	25,668
Central Valley Project⁴	-	6,347	23,834	10,072
Agriculture	35,550	4,434	18,865	8,052
M&I	8,250	1,914	4,969	2,020
Recycled Water⁵	-	499	0	278
Totals	-	74,316	80,638	77,264
Percent of Normal Year		100%	109%	104%

Notes

1. 2016 water year (WY) was used as Normal Year. Rainfall was 14.88 inches and historic average is 13 inches. Water supply data from Todd, December 2017, Tables E1 and E2 (Appx E) and Table 6. Assumed 2016 WY total water use was the same as 2010 calendar year total water
2. 2007 WY was selected as the single year drought. Rainfall was 6.72 inches.
3. 2013-2015 was selected as the multiple year drought with an average annual rainfall of 7.40 inches. Data for WY 2007 are presented in 2008 Annual Groundwater Report.
4. Used actual drought deliveries for CVP agricultural and M&I deliveries. During the 2007-2009 drought, there was a one year lag in CVP delivery reductions. Therefore, to be conservative, actual 2008 WY deliveries were used to represent single year drought and an average of 2008-2010 WY deliveries were used for multi-year drought. Additional M&I CVP water was allocated but not used due to treatment plant limitations.
5. Recycled water supply is actual amount delivered in each year; note that recycled water became first available in 2010; hence supply in 2007 was zero and supply in 2013-2015 is an average over those three years.
6. Other based on estimated total in 2010 as presented in County GPU (see Table 7)
7. Water use for the Bolsa, Tres Pinos and Paicines during multiple dry years is based on estimated groundwater use in 2015. Water use is not metered in these groundwater subbasins, so water supply/use values were estimated on the basis of a cropping information from 2014 California Department of Water Resources land use maps and 2015 climate data. Land use data are not available for each year.

Table 9. Normal Year Supply and Demand Comparison

All values AFY

Water Sources	2020	2025	2030	2035	2040
Available Supply ¹					
Total Supply	71,614	72,861	74,289	75,947	75,947
Imported Water	6,347	6,347	6,347	6,347	6,347
Groundwater	64,768	66,015	67,443	69,101	69,101
Recycled Water	499	499	499	499	499
Demand					
Normal Year Demand ²	71,614	72,861	74,289	75,947	75,947
Supply/Demand Difference	0	0	0	0	0

Notes

1. Available Supply based on normal year 2016 (Table 8). Groundwater adjusted to meet demand totals

2. Normal Year Demand, based on expected demand (Table 6)

For the purposes of this WSA water supply refers to the water delivered to meet demand and not the total

Table 10. Single Dry Year Supply and Demand Comparison

All values AFY

Water Sources	2020	2025	2030	2035	2040
Available Supply (AF)					
Total Supply	77,706	79,059	80,609	82,408	82,408
Normal Year Supply	71,614	72,861	74,289	75,947	75,947
Percent of Normal Year	109%	109%	109%	109%	109%
Demand (AF)					
Total Dry Year Demand	77,706	79,059	80,609	82,408	82,408
Normal Year Demand	71,614	72,861	74,289	75,947	75,947
Percent of Normal Year	109%	109%	109%	109%	109%
Supply/Demand Difference	0	0	0	0	0

1. Available supply and demand based on estimated demand of 109 percent of normal year (Table 8)

For the purposes of this WSA water supply refers to the water delivered to meet demand and not the total available supply of that source.

Table 11. Multiple Dry Year Supply and Demand Comparison

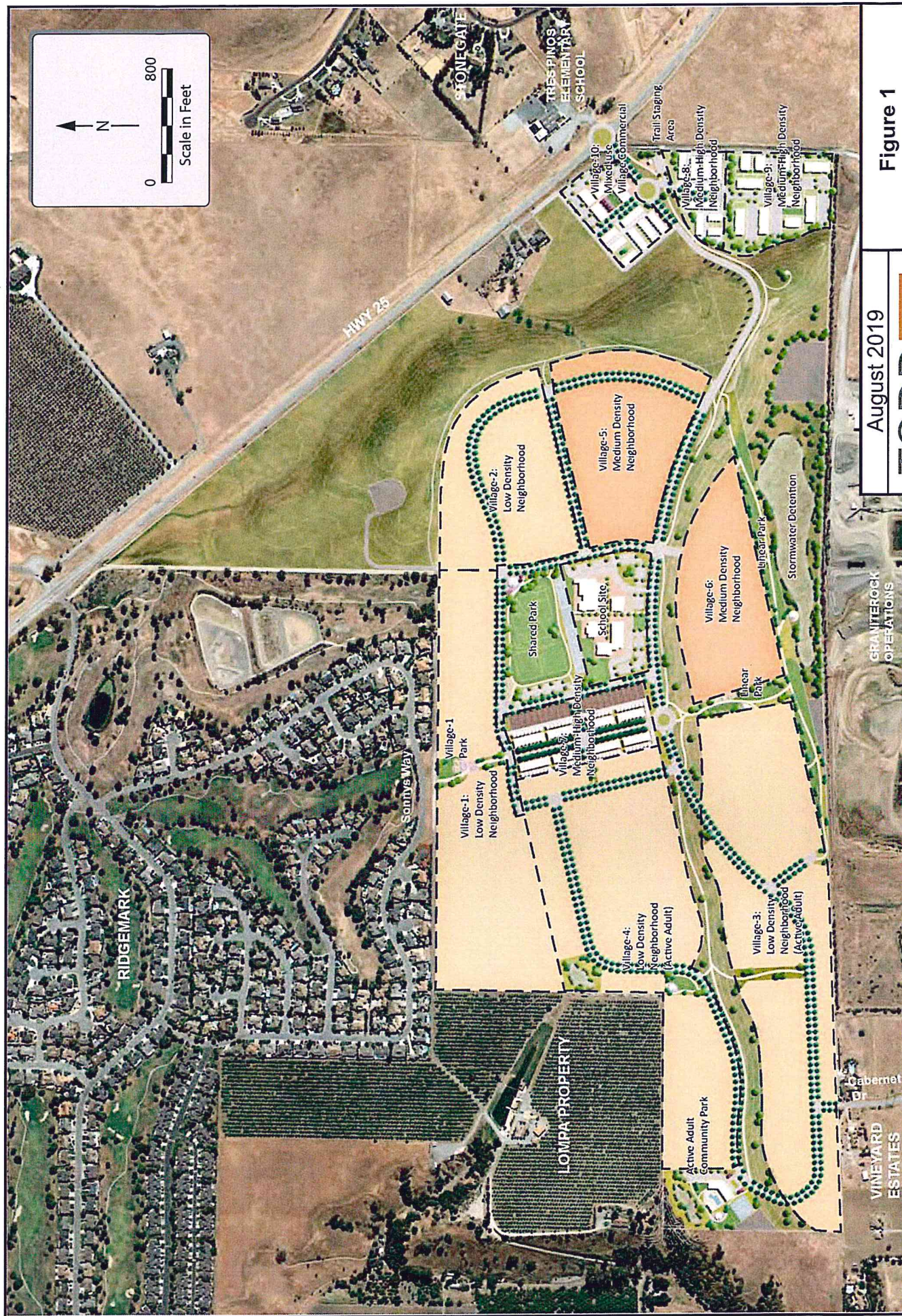
All values AFY

Water Sources	2020	2025	2030	2035	2040
First year					
Supply totals	74,454	75,752	77,236	78,960	78,960
Demand totals	74,454	75,752	77,236	78,960	78,960
% of Normal Year	104%	104%	104%	104%	104%
Difference	0	0	0	0	0
Second year					
Supply totals	74,454	75,752	77,236	78,960	78,960
Demand totals	74,454	75,752	77,236	78,960	78,960
% of Normal Year	104%	104%	104%	104%	104%
Difference	0	0	0	0	0
Third year					
Supply totals	74,454	75,752	77,236	78,960	78,960
Demand totals	74,454	75,752	77,236	78,960	78,960
% of Normal Year	104%	104%	104%	104%	104%
Difference	0	0	0	0	0

Notes

1. Available supply and demand based on estimated demand of 104 percent of normal year (Table 8)
For the purposes of this WSA water supply refers to the water delivered to meet demand and not the total available supply of that source.

FIGURES

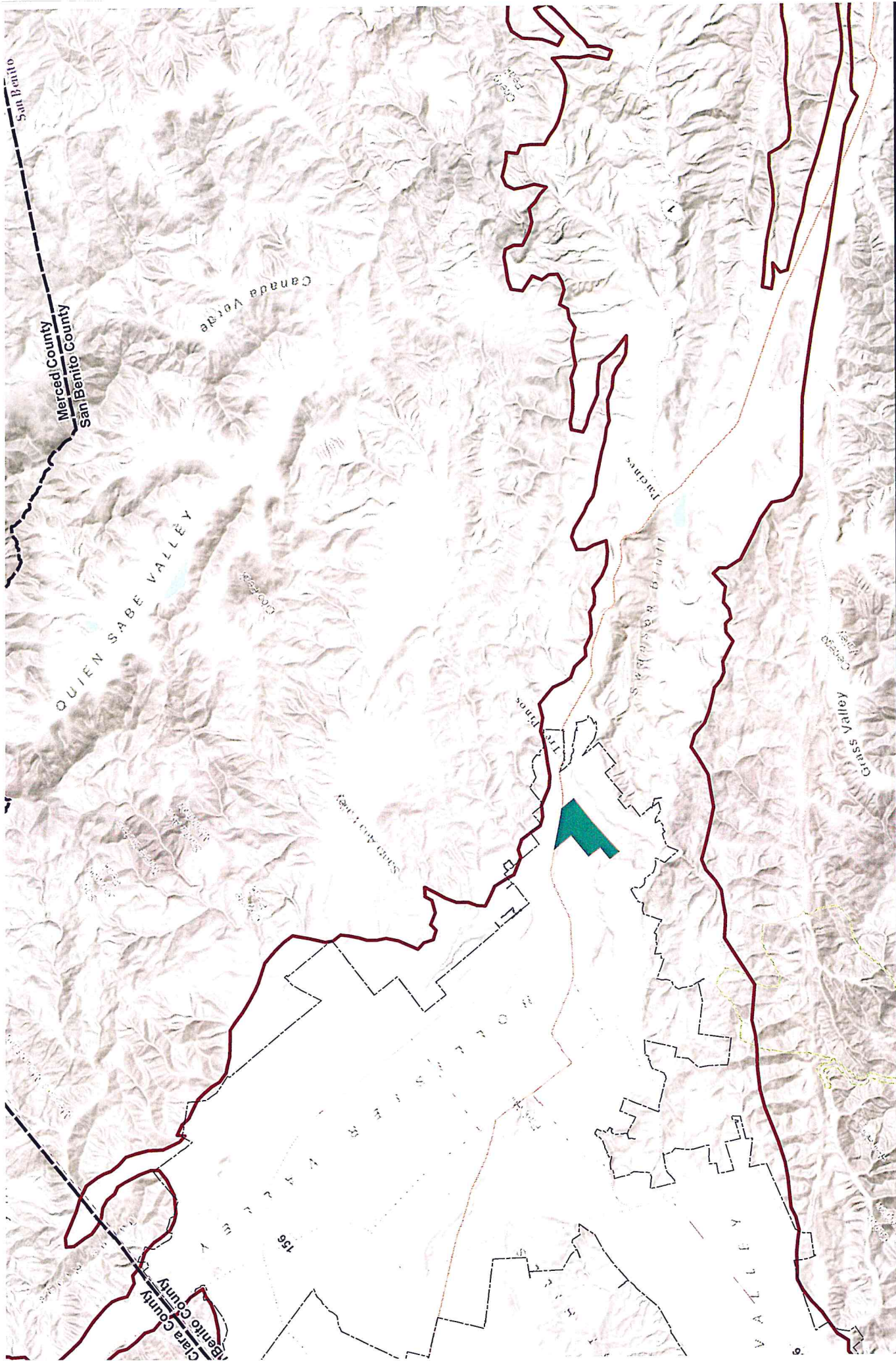


August 2019

TODD
GROUNDWATER

Figure 1
Vintage
Illustrative Plan

Source: Ascent, 2018.



**San Benito County Water District
Agenda Transmittal**

Agenda Item: 5

Meeting Date: August 26, 2020

Submitted By: Jeff Cattaneo

Presented By: Jeff Cattaneo

Agenda Title: Consider Accepting Vintage Specific Plan Water Quality Impact Assessment, Lima Property near Hollister, California

Detailed Description:

Richland Real Estate Fund LLC “Richland” requested the District prepare a Water Supply Assessment “WSA” for the proposed Vintage Specific Plan. As a supplement to the WSA, the District requested Richland fund a Water Quality Impact Study to evaluate the impact of the Richland proposal to dispose of treated wastewater onsite. The District’s concerns were impacts to groundwater from the disposal of wastewater containing salts and nitrates. It should be stated, the District’s preferred method of dealing and managing wastewater is to have all wastewater treated at the City of Hollister’s Regional Domestic Wastewater Treatment facility whenever feasible.

The Vintage Specific Plan creates a 347-acre planned community including 1,280 homes at varying densities, mixed-use commercial, a school site, outdoor recreation, and natural open spaces. The Project area is located south of Ridgemark along State Highway 25. The Project area currently includes a school, and 20.9 acres of parks.

The project would be supplied by an on-site well at the northwest corner of the development. Some of the treated wastewater would be recycled for irrigation of the park and other public landscaping, while the remainder would be percolated at a pond. Two locations are under consideration for the wastewater percolation pond. Stormwater runoff would be retained and percolated in a pond along the southern edge of the property.

Wastewater adds salt load because normal urban water use typically adds 200 to 300 milligrams per liter (mg/L) of dissolved solids, so that percolation from the wastewater pond is saltier than the groundwater pumped from the supply well and delivered to customers. An added feature of the Vintage project is that the well water—which has an average total dissolved solids concentration of 860 mg/L—will be demineralized to a concentration of 500 mg/L. In addition to meeting secondary drinking water standards, this treatment is intended to make use of water softeners unnecessary. Self-regenerating water softeners can add hundreds of milligrams per liter of additional salinity to wastewater. Some of the reject brine from the demineralization process

will be blended back into the wastewater to achieve a target salinity of 1,200 mg/L. The remaining brine will be hauled to an ocean discharge site. Stormwater is very dilute, and the capture and percolation of stormwater will tend to decrease groundwater salinity, partially counteracting the other effects of the project.

The three Vintage simulations were developed based on alternatives for water and wastewater treatment developed by Stetson Engineers (Stetson 2019). Stetson identified four alternatives for water and wastewater treatment:

Alternative 1 – Treat water and wastewater from the Vintage project only, *without* recycled water use

Alternative 2 – Treat water and wastewater from the Vintage project only, *with* recycled water use

Alternative 3 – Treat water from the Vintage project and wastewater from the Vintage project and the Tres Pinos community, with recycled water use

Alternative 4 – Treat water and wastewater from the Vintage project and the Tres Pinos community, with recycled water use

The purpose of running the four separate alternatives was to determine which alternative had the least impact to groundwater.

Water quality objectives for the study were based on the North San Benito Subbasin of the Gilroy-Hollister Groundwater Basin (Basin) (DWR 2020) as established by the California Regional Water Quality Control Board (RWQCB) and the Salt and Nutrient Management Plan (SNMP, Todd 2016). The RWQCB has established and maintains the Water Quality Control Plan for the Central Coastal Basin (Basin Plan) that includes water quality objectives for the Basin (RWQCB 2019). The Basin Plan establishes a TDS concentration water quality objective of 1,200 mg/L for the Hollister area (RWQCB 2019). In addition, the SNMP (Todd 2016) establishes a groundwater quality target for TDS of 1,200 mg/L for the Basin.

Effects of the Vintage project on groundwater flow and quality were quantitatively analyzed using an enhanced version of a regional groundwater flow model recently updated to support preparation of the North San Benito Groundwater Basin Groundwater Sustainability Plan (Todd 2020). The model was run over a 43-year simulation period.

Conclusions of the Modeling

The Vintage project would affect groundwater quality, locally raising or lowering TDS relative to existing concentrations.

- Recycled water use for irrigation and wastewater percolation would both raise groundwater TDS by 150 to 400 mg/L beneath those facilities (dependent upon location and project alternative).

- Conversely, percolation of stormwater would lower groundwater TDS by up to 400 mg/L beneath the stormwater percolation ponds.
- Transferring water and wastewater service from the Tres Pinos community to the project would lower TDS concentrations in Tres Pinos by approximately 270 mg/L.
- The regional groundwater gradient is to the northwest, and the first potable supply well potentially impacted by the changes in groundwater quality would be the Vintage project's own well. However, the simulated water quality effects spread slowly. Even after 43 years of loading and transport, water quality effects were still mostly within about 0.5 mile of the source area. The combined plumes of increased TDS from the wastewater pond and park were only just reaching the Vintage supply well at the end of the 43-year simulation. The plume of decreased salinity originating from the stormwater percolation pond was similarly about to reach the well.
- The stormwater pond provides dilution and creates a small recharge mound that shifts the wastewater pond plume slightly northward.
- Close to source areas (the wastewater percolation pond, stormwater pond, park, and residential areas), TDS concentration in layer 1 approached steady-state within 30-40 years. Farther downgradient (at the Vintage supply well), concentrations were still climbing after 43 years.
- At steady-state beneath the wastewater discharge and recycled water use source areas TDS concentrations are estimated to rise from approximately 860 mg/L to between 995 and 1,260 mg/L. These concentrations approach and exceed the Basin Plan and SNMP water quality objectives for TDS concentrations in an area where TDS concentrations are currently relatively low.
- The alternative wastewater pond location would produce a different (more northerly) plume alignment, but the plume would still move toward the Vintage supply well and arrive at about the same time as the plume for the proposed pond location.

Staff Recommendation

With the acknowledgment that there are some demonstrated impacts to the groundwater basin under the currently proposed project that in some limited areas may bring groundwater conditions above basin standards, staff recommends the Board accept the study as complete. Long-term operation of small to medium size satellite wastewater treatment facilities has proven to be problematic. Typically, small to medium size waste treatment systems over time lack the maintenance and upgrades required and begin to experience water quality violations. Therefore, the District's preferred alternative for wastewater management for the proposed Vintage Specific Plan would be to send wastewater to the City of Hollister's Regional Wastewater Treatment

Facility. It should also be noted, this plan will only work if demineralization of the well water is implemented or another water of equal quality is delivered to the homes. Without the improvement to potable water quality the impacts of wastewater discharge would be significantly greater.

Materials Included: Todd Groundwater prepared Vintage Specific Plan Water Quality Impact Assessment Supply Assessment

Financial Impact: _____ Yes _____ No

Funding Source/ Recap:

Recommendation: Consider Accepting Vintage Specific Plan Water Quality Impact Assessment

Action Required: _____ Resolution _____ ☒ Motion _____ Review

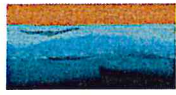
Board Action

_____ Resolution No. _____ Motion By _____ Second By _____

Ayes _____ Abstained _____

Noes _____ Absent _____

Reagendized _____ Date _____ No Action Taken _____



June 16, 2020

MEMORANDUM

To: Jeff Cattaneo, San Benito County Water District

From: Gus Yates and Chad Taylor

Re: Vintage Project Water Quality Impact Assessment, Lima Property near Hollister, California

1. INTRODUCTION

The Vintage Project is a proposed mixed-use development to be located on the Lima property west of Highway 25 adjacent to and south of the existing Ridgemark development (**Figure 1**). The potential effect of the project on groundwater quality has been raised as a concern, primarily the effect on groundwater salinity. This memorandum describes modeling completed by Todd Groundwater to simulate those potential impacts using an existing regional groundwater flow model enhanced to simulate solute transport.

Land development for the project would include 166 acres of residential development (mostly low-density), an 8-acre school, 8-acre park, a 5-acre commercial area, and additional areas for streets, landscaping, open space and utilities. A map of the proposed land uses is shown in **Figure 1**. The project would be supplied by an on-site well at the northwest corner of the development. Some of the treated wastewater would be recycled for irrigation of the park and other public landscaping, while the remainder would be percolated at a pond. Two locations are under consideration for the wastewater percolation pond. Stormwater runoff would be retained and percolated in a pond along the southern edge of the property. A possible addition to the project is to extend water and wastewater services to the community of Tres Pinos, located southeast of the project along Highway 25.

There are several pathways by which the project could impact groundwater salinity. Irrigation creates a salt load to the groundwater basin because the plants transpire essentially pure water, leaving dissolved minerals in the irrigation water behind in the soil. Those minerals are eventually transported down to the water table by percolation of rainwater and excess applied irrigation water. Because the deep percolation flux is generally a small fraction of the amount of applied irrigation water, its concentration is several times greater than the concentration in the irrigation water. Wastewater also adds a salt load because normal urban water use typically adds 200 to 300 milligrams per liter (mg/L) of dissolved solids, so that percolation from the wastewater pond is saltier than the groundwater pumped from the supply well and delivered to customers. An added feature of the Vintage project is that the well water—which has an average total dissolved solids (TDS)

concentration of 860 mg/L—will be demineralized to a concentration of 500 mg/L. In addition to meeting secondary drinking water standards, this treatment is intended to make use of water softeners unnecessary. Self-regenerating water softeners can add hundreds of milligrams per liter of additional salinity to wastewater. Some of the reject brine from the demineralization process will be blended back into the wastewater to achieve a target salinity of 1,200 mg/L. The remaining brine will be hauled to an ocean discharge site. Stormwater is very dilute, and the capture and percolation of stormwater will tend to decrease groundwater salinity, partially counteracting the other effects of the project.

2. SIMULATED PROJECT ALTERNATIVES

Three project alternatives were simulated, plus a no-project scenario. The no-project scenario included the same data and assumptions as the future baseline scenario for the North San Benito Basin Groundwater Sustainability Plan, which is currently in preparation. It represents a continuation of current land and water use patterns, including projected availability of imported water from the Central Valley Project. For the Vintage analysis, those conditions were simulated over a 43-year period corresponding to hydrologic conditions during water years 1965 through 2007. This period included two droughts and two significant wet periods.

The three Vintage simulations were developed based on alternatives for water and wastewater treatment developed by Stetson Engineers (Stetson 2019). Stetson identified four alternatives for water and wastewater treatment:

Alternative 1 – Treat water and wastewater from the Vintage project only, *without* recycled water use

Alternative 2 – Treat water and wastewater from the Vintage project only, *with* recycled water use

Alternative 3 – Treat water from the Vintage project and wastewater from the Vintage project and the Tres Pinos community, with recycled water use

Alternative 4 – Treat water and wastewater from the Vintage project and the Tres Pinos community, with recycled water use

Stetson requested that water quality modeling and analysis include simulation of two versions of Alternative 2 and Alternative 4. These are referred to as Alternatives 2a, 2b, and 4. In simple terms, Alternative 2a is the proposed project by itself with wastewater treatment for recycled water use and wastewater percolation in a pond upgradient from the water supply well, Alternative 2b is the same as 2a but with a different location for the wastewater percolation facility, and Alternative 4 expands the project to include extending water and wastewater services to the nearby community of Tres Pinos. Details of assumed pumping, irrigation (potable and recycled), wastewater percolation and stormwater percolation are shown in **Table 1**. All of the flows and concentrations except those for

stormwater were provided by the project applicant (Stetson 2019). Annual percolation at the stormwater pond was estimated as average annual rainfall multiplied by the amount of impervious area in the development, as itemized in **Table 2**. Impervious percentages were typical values for various types of land use obtained from remote sensing and local stormwater studies in San Mateo County (Ekl and others 2017). This simplified approach slightly overestimates stormwater runoff by neglecting depression storage and slightly underestimates runoff by ignoring runoff from pervious soils. Also, annual variations in stormwater percolation are ignored, which is an acceptable simplification for simulation of long-term trends in groundwater quality. The TDS concentration of runoff was obtained from an urban runoff study in the San Fernando Valley (Los Angeles and San Gabriel Watershed Council 2008). All stormwater was assumed to be captured and percolated onsite.

3. TDS WATER QUALITY OBJECTIVES

Water quality objectives for the North San Benito Subbasin of the Gilroy-Hollister Groundwater Basin (Basin) (DWR 2020) are established by the California Regional Water Quality Control Board (RWQCB) and the Salt and Nutrient Management Plan (SNMP, Todd 2016). The RWQCB has established and maintains the Water Quality Control Plan for the Central Coastal Basin (Basin Plan) that includes water quality objectives for the Basin (RWQCB 2019). The Basin Plan establishes a TDS concentration water quality objective of 1,200 mg/L for the Hollister area (RWQCB 2019). In addition, the SNMP (Todd 2016) establishes a groundwater quality target for TDS of 1,200 mg/L for the Basin.

Table 1. Flows and Concentrations for Scenario Simulations

Flow Element	No Project (existing conditions)			Project Alternative 2a (proposed wastewater pond location)			Project Alternative 2b (alternate wastewater pond location)			Project Alternative 4 (w/ Tres Pinos water and wastewater service)		
	Daily flow (mgd)	Annual flow (AFY)	Average TDS Concentration (mg/L)	Daily flow (mgd)	Annual flow (AFY)	Average TDS Concentration (mg/L)	Daily flow (mgd)	Annual flow (AFY)	Average TDS Concentration (mg/L)	Daily flow (mgd)	Annual flow (AFY)	Average TDS Concentration (mg/L)
Lima property groundwater pumping	0	0	NA	0.369	414	860	0.369	414	860	0.413	463	860
Lima property recycled water irrigation	0	0	NA	0.05	56	1,200	0.05	56	1,200	0.05	56	1,200
Lima property potable water irrigation	0	0	NA	0.134	150	500	0.134	150	500	0.134	150	500
Lima property wastewater percolation	0	0	NA	0.182	204	1,200	0.182	204	1,200	0.205	230	1,200
Lima property stormwater percolation	0	0	NA	NA	152	70	NA	152	70	NA	152	70
Tres Pinos municipal pumping	0.040	45	1,289	0.040	45	1,289	0.040	45	1,289	0	0	NA
Tres Pinos potable water irrigation	0.017	19	1,289	0.017	19	1,289	0.017	19	1,289	0.017	19	500
Tres Pinos wastewater percolation	0.023	26	1,289	0.023	26	1,289	0.023	26	1,289	0	0	NA

Notes:

TDS = total dissolved solids
mgd = million gallons per day
AFY = acre-feet per year
mg/L = milligrams per liter
NA = not applicable

Table 2. Impervious Surface Runoff and Percolation

Land Use	Area (acres)	Percent Impervious (percent)	Annual Flow to Percolation Pond (AFY)
Low density residential	115.8	50	72.4
Medium density residential	31.8	60	23.9
Medium-high density residential	18.4	70	16.1
Commercial	5.2	80	5.2
School	8	40	4.0
Roads	27.6	90	31.1
Total:			152.6

Notes:

Only land uses with significant amounts of impervious area are included. Runoff from pervious vegetated soils is infrequent and small; it was not included.

AFY = acre-feet per year

Annual rainfall is approximately 15 inches per year.

4. REGIONAL GROUNDWATER FLOW AND SOLUTE TRANSPORT MODEL

Effects of the Vintage project on groundwater flow and quality were quantitatively analyzed using an enhanced version of a regional groundwater flow model recently updated to support preparation of the North San Benito Groundwater Basin Groundwater Sustainability Plan (Todd 2020). The model covers the entire basin, which extends tens of miles to the northwest and southeast of the Vintage site. Near Vintage, the model grid consists of square cells 500 feet on a side (or 5.7 acres per cell). This grid scale precludes detailed simulation of variations in land use, hydrogeology or the water balance at scales smaller than about 5 acres. The model has five layers (numbered down from the top) and simulates transiently with monthly time increments. The model was calibrated to measured water levels and stream flows during water years 1975 through 2017.

The groundwater flow model uses the U.S. Geological Survey's MODFLOW 2005 computer code (Harbaugh 2005 and Harbaugh et al. 2017), which is the most commonly used modeling software in the nation. In addition, a rainfall-runoff-recharge model provides estimates of dispersed recharge, irrigation, and stream flow for input to the groundwater model (Todd 2020). This antecedent model simulates processes including rainfall, interception, runoff, infiltration, soil moisture storage, evapotranspiration, irrigation, deep percolation of rainfall, irrigation and pipe leaks, and movement of shallow groundwater to stream base flow and deeper regional groundwater. It simulates small polygons of relatively uniform land use using a daily time step, and results are subtotaled to months and averaged

by model grid cell for input to the groundwater flow model. The detailed representation of hydrologic processes in the rainfall-runoff-recharge model enabled simulation of all hydrologic effects of the Vintage project.

To simulate groundwater quality, the MT3DMS solute transport simulation module was added to the flow model (Bedekar et al. 2016a and 2016b). For this analysis, MT3DMS simulated advection and dispersion of a single, conservative solute (TDS).

5. IMPLEMENTATION OF ALTERNATIVES IN THE MODEL

The vintage project was simulated as three developed land use polygons within the Lima property, which is currently non-irrigated grassland. The land uses were residential, park, and commercial. Dispersed recharge from deep percolation of rainfall and irrigation in those areas were added as inflows to the overlying model cells. The project water balance supplied by the applicant (**Table 1**) assumed no losses to indoor consumptive use or to water and sewer pipe leaks. Although optimistic, those assumptions were retained in the modeling. Percolation at the wastewater and stormwater ponds were input to model layer 1 as *injection wells* at the corresponding grid cell locations. Pumping from the Vintage supply well was represented as a well producing from model layers 3 and 4, as is assumed for all municipal and irrigation wells in the model (Todd 2020).

Pumping from Tres Pinos' sole municipal supply well and percolation at the Tres Pinos wastewater treatment facility were included in the model in a similar fashion.

Groundwater quality was simulated using the principle of superposition, which means that the effects of the project were simulated as a change from existing conditions. The initial concentration of TDS in groundwater in all of the simulations was globally assumed to be 860 mg/L, which is the concentration at the Vintage supply well. All other sources of groundwater recharge throughout the model were assumed to also have concentrations of 860 mg/L in all model stress periods.

Flows and concentrations in Vintage and Tres Pinos were explicitly simulated and added to the background conditions. By subtracting simulated concentrations under the existing conditions scenario from simulated concentrations for a project scenario, the effects of the project were revealed. Flows and concentrations associated with the project included pumping at the supply well, percolation at the wastewater and stormwater ponds, potable water irrigation in residential and commercial areas, recycled water irrigation at the park, and a small amount of water pipe leakage. The 56 acre-feet per year (AFY) of recycled water use for irrigation was assumed to be applied at 7 acre-feet (AF) per month during the period of March through October, with the 150 AFY of potable water irrigation covering the remaining demand. Recycled water was assumed to be used at the park. Pumping at the Vintage supply well varied monthly to cover the 260 AFY of indoor water use (at a constant monthly rate) plus the seasonally varying amount needed to supply potable water irrigation.

The concentration of deep percolation reflected evaporative concentration of applied irrigation water. With the estimated irrigation efficiencies of 75 to 80 percent, the

concentration of deep percolation would be four to five times greater than in the irrigation water. However, deep percolation of rainwater dilutes the recharge to some extent. Averaged over the 43-year period, the ratio of deep percolation TDS to irrigation water TDS was 2.4. For example, in Tres Pinos where the municipal supply has a TDS concentration of 1,289 mg/L, the concentration of deep percolation in irrigated areas is estimated to be 3,094 mg/L.

All impervious stormwater runoff on the Vintage site was assumed to be percolated at the on-site stormwater pond. In reality, some of this would be disconnected runoff that percolates locally through pervious soils adjacent to impervious areas (such as runoff from patios and sidewalks or roof downspouts that discharge to a garden). The difference in location has a negligible effect on simulated water quality, so the model simulations assumed that all stormwater was captured and percolated in the on-site stormwater pond.

6. SIMULATION RESULTS

6.1 Existing Conditions

The existing regional groundwater flow direction at the Vintage site is to the northwest, perpendicular to the contours of groundwater elevation shown in **Figure 2**. The contours are of water levels at the end of the 43-year simulation, which corresponds to hydrologic conditions in September 2007. Water levels deeper in the basin (e.g. model layer 3) are essentially the same, with slightly greater depressions near pumping wells.

6.2 Water Level Simulation Results, all Alternatives

Figure 3 illustrates the effect of various project elements on groundwater levels. The effects are similar in magnitude among all project alternatives; the only differences are which items are present and where they are located. The figure shows contours of change in simulated groundwater level in model layer 1 at the end of the simulation (September 2007 hydrology). About 12 feet of drawdown at the Vintage supply well and a similar amount of mounding at the wastewater discharge pond are visible as bullseyes of closed contours. The offset between the Vintage supply well location and its simulated pumping depression is an artifact of model grid discretization.

The simulated magnitudes of the pumping depressions are affected by the size of the model grid cells (presently 500 x 500 feet). The model simulates static water levels, not the localized cone of depression that develops around a well when it is pumping. A finer model grid would show a deeper water level depression at the cell containing the well, but not so deep that it would interfere with well operation. The proposed pumping rate for the Vintage well—even when supplying the town of Tres Pinos in Alternative 4—would be comparable to the rate of pumping at the nearby Sunnyslope County Water District Well 8. The amount of mounding beneath the wastewater pond would be greater than the simulated amount because the pond footprint would probably be smaller than the area of a model grid cell. There is no risk that mounding would rise up to the ground surface because the existing

depth to water is around 100 feet, or eight times greater than the simulated amount of mounding.

Under Alternative 2b, the Vintage wastewater pond would be located near Highway 25, and the simulation produced a water-level mound similar to the one shown, but in the new location. Under Alternative 4, pumping would be eliminated at the Tres Pinos municipal supply well. In the simulation, the water level depression associated with that well disappeared, raising water levels by up to several feet near the well (shown in the figure).

6.3 Vintage Alternative 2a Water Quality Simulation Results

The effect of Vintage Alternative 2a on groundwater quality can be seen in **Figure 4**, which shows contours of change in simulated TDS concentration in model layer 1 as of the end of the simulation. Stormwater percolation dilutes ambient groundwater TDS, whereas wastewater percolation and irrigation return flow increase it. Stormwater was assumed to have a TDS concentration of 70 mg/L, and it decreased the ambient groundwater TDS (assumed 860 mg/L) by up to 400 mg/L by the end of the simulation. The maximum effect was immediately beneath the pond. Regional groundwater flow conveyed the effect downgradient to the northwest, creating a plume of low-TDS groundwater. Conversely, percolation of wastewater (1,200 mg/L TDS) raised groundwater TDS by about 150 mg/L at the wastewater pond and along a plume extending downgradient. The volume of stormwater percolation was sufficient to deflect the wastewater plume to the north before turning to the northwest and passing beneath the Vintage park. Deep percolation from rainfall and recycled water irrigation (2,875 mg/L TDS) at the park was superimposed on the wastewater plume, raising groundwater TDS to as much as 300 mg/L above existing conditions.

Pumping at the Vintage supply well slightly increases the rate of plume movement toward the well. After 43 years, the dilute stormwater plume and saline water plume resulting from wastewater discharge and recycled water irrigation were both about to arrive at the well location in model layer 1. In model layer 3, which corresponds to the probable depth of the well screen, the plume trajectories are slightly different, as shown in **Figure 5**. In that layer, the leading edge of the stormwater plume was arriving at the well location slightly ahead of the wastewater plume at the end of the 43-year simulation. In subsequent years, however, the well would likely draw water from both plumes, and the TDS of well water would reflect a blend of the two plumes and some increment of unaffected ambient groundwater. The precise proportions of those sources cannot be accurately predicted because they would be highly influence by local-scale aquifer heterogeneity and preferred flow pathways, which are unknown. At the scale of the project site, the model represents the aquifer as homogenous, with an average permeability determined by calibration to widely-spaced wells with water level data.

Project impacts on groundwater quality are gradual and accumulate over a number of years. The rates of change in groundwater salinity can be seen in **Figure 6**, which shows time-concentration plots of TDS in model layer 1 at four locations affected by the project. The charts show that TDS near dilution or loading sources such as the stormwater pond and park

reached steady-state within about 15 years. Locations farther from the sources—such as the Vintage Supply well—had barely begun to be affected by the water-quality changes by the end of the simulation. The slight decrease in TDS (by about 20 mg/L) at the supply well toward the end of the simulation resulted from the leading edge of the stormwater percolation plume. This change would subsequently increase in magnitude as the full concentrations of the plumes arrive and could be a net increase or decrease in TDS depending on the relative contributions of the stormwater and wastewater plumes to the water pumped from the well.

These estimated impacts are additive to existing baseline groundwater TDS in these locations. In the case of the stormwater pond and surrounding areas groundwater TDS is estimated to decrease from 860 mg/L to approximately 460 mg/L. However, TDS concentrations in the area affected by the wastewater discharge pond and recycled water irrigation are estimated to increase by 150 to 300 mg/L up to total concentrations of 1,010 to 1,160 mg/L.

From a regional water quality standpoint, dilution by stormwater percolation offsets most of the salt loading from irrigation and wastewater percolation. Total recharge from the wastewater pond, pipe leaks, recycled irrigation at the park and potable water irrigation in residential areas totaled 326 AFY with a flow-weighted average concentration of 1,246 mg/L. Adding the stormwater percolation brought the total to 478 AFY with a flow-weighted average concentration of 873 mg/L. In other words, the diluting effect of stormwater percolation resulted in an overall average recharge TDS concentration roughly equal to the existing ambient groundwater concentration (873 versus 860 mg/L).

6.4 Vintage Alternative 2b Water Quality Simulation Results

The only difference between Alternatives 2a and 2b is the location of the wastewater percolation pond. The alternative location near Highway 25 shifted the TDS plume from the pond slightly northward, as shown in **Figure 7**. Because stormwater percolation already shifted the wastewater plume northward in Alternative 2a, the difference between the alternatives is small. This is especially true with respect to the arrival of the wastewater plume at the Vintage supply well. Under both scenarios, the plume was about to arrive as of the end of the simulation in model layer 1 As with Alternative 2a, the stormwater plume was arriving slightly ahead of the wastewater plume in model layer 3, at the approximate depth of the well screen. Ultimately, both plumes would arrive and influence average TDS at the well, although the exact proportions of their contributions would depend on local-scale aquifer heterogeneity for which data are not available and that is not included in the model.

Time-concentration plots of groundwater TDS under Alternative 2b are shown in **Figure 8** and are nearly identical to those for Alternative 2a at the locations shown. The only differences are that the long-term concentration at the stormwater pond decreased by about 450 mg/L from existing conditions, compared with 400 mg/L for Alternative 2a. The difference resulted from less comingling with wastewater percolation, which is farther away in Alternative 2b. At Vintage Park, the long-term concentration was about 15 mg/L lower under Alternative 2b relative to Alternative 2a, which simply reflects a slight shift in the

plumes for stormwater and wastewater. At the Vintage supply well, simulated TDS in layer 3—at the depth of the well screen—decreased slightly toward the end of the simulation. This is the same pattern seen with Alternative 2a, but the decrease is slightly larger (30 mg/L at the end of the simulation, versus 21 mg/L for Alternative 2a). The different pond location in Alternative 2b allowed the leading edge of the stormwater plume to arrive slightly earlier. In subsequent years, the wastewater plume would also arrive and TDS at the well could increase or decrease depending on the proportional blend of the plumes at that location.

As with Alternative 2a, these estimated impacts are additive to existing baseline TDS. In this alternative, TDS is estimated to decrease from 860 mg/L to approximately 400 mg/L beneath the stormwater pond and increase to between 995 to 1,145 mg/L beneath the wastewater pond and park, respectively.

6.5 Vintage Alternative 4 Water Quality Simulation Results

Groundwater salinity at the Lima property under Alternative 4 would be almost identical to the salinity under Alternative 2a. **Figure 9** shows contours of the change in concentration relative to existing conditions after 43 years under Alternative 4. A visual comparison with **Figure 4** shows that the results are essentially the same as for Alternative 2a. The major difference between the alternatives is the improvement in groundwater quality beneath the town of Tres Pinos. The TDS of the municipal supply would decrease from 1,289 mg/L to 500 mg/L, which would significantly lower the TDS of water and sewer pipe leaks as well as deep percolation from residential irrigation. After 43 years, simulated TDS concentrations in layer 1 were up to 300 mg/L less than under existing conditions.

Time-concentration plots of groundwater salinity at four locations under Alternative 4 are shown in **Figure 10**. A comparison with the results for Alternative 2a (**Figure 6**) shows that the major difference was the decrease in TDS at Tres Pinos, which reached a steady concentration about 270 mg/L lower than under existing conditions after about 30 years. Simulated TDS at a point near the park in the Vintage development stabilized at a concentration about 100 mg/L higher than under Alternative 2a. This difference was likely due to a slight shift in the location of the plume from the wastewater percolation pond, because the concentrations of recycled irrigation water and percolated wastewater were the same for both alternatives.

These estimated impacts are also additive to existing baseline TDS. In this alternative, TDS is estimated to decrease from 860 mg/L to approximately 460 mg/L beneath the stormwater pond and increase to between 1,110 to 1,260 mg/L beneath the wastewater pond and park, respectively. In this alternative TDS concentrations in the Tres Pinos community would decrease from approximately 1,289 mg/L to approximately 1,000 mg/L.

7. CONCLUSIONS

- The Vintage project would affect groundwater quality, locally raising or lowering TDS relative to existing concentrations.

- Recycled water use for irrigation and wastewater percolation would both raise groundwater TDS by 150 to 400 mg/L beneath those facilities (dependent upon location and project alternative).
 - Conversely, percolation of stormwater would lower groundwater TDS by up to 400 mg/L beneath the stormwater percolation ponds.
 - Transferring water and wastewater service from the Tres Pinos community to the project would lower TDS concentrations in Tres Pinos by approximately 270 mg/L.
- At a regional scale, dilution from stormwater percolation offsets almost all of the salt loading from irrigation and wastewater percolation at the project site. The overall flow-weighted average recharge TDS concentration for the project would be about 873 mg/L, or approximately equal to the existing ambient groundwater concentration of about 860 mg/L.
 - If stormwater were to be detained and then released instead of being retained and percolated onsite this dilution effect would not occur and the resulting average recharge TDS concentration at the project site would be higher than modeled.
 - The regional groundwater gradient is to the northwest, and the first potable supply well potentially impacted by the changes in groundwater quality would be the Vintage project's own well. However, the simulated water quality effects spread slowly. Even after 43 years of loading and transport, water quality effects were still mostly within about 0.5 mile of the source area. The short travel distance is largely due to a relatively low horizontal hydraulic conductivity (4 feet per day) in the calibrated groundwater model. The combined plumes of increased TDS from the wastewater pond and park were only just reaching the Vintage supply well at the end of the 43-year simulation. The plume of decreased salinity originating from the stormwater percolation pond was similarly about to reach the well.
 - Simulated concentration patterns at the depth of the Vintage well screen (model layer 3) were similar to those in model layer 1 but with a slightly more northerly trajectory for the stormwater and wastewater plumes.
 - The stormwater pond provides dilution and creates a small recharge mound that shifts the wastewater pond plume slightly northward.
 - Close to source areas (the wastewater percolation pond, stormwater pond, park, and residential areas), TDS concentration in layer 1 approached steady-state within 30-40 years. Farther downgradient (at the Vintage supply well), TDS was still near the initial concentration after 43 years. Larger increases or decreases in TDS at the well would be expected as the stormwater and wastewater plumes continue to migrate, with the net effect reflecting the proportional contribution of the plumes.

The long-term proportion would depend on local variability in aquifer permeability which is not known and not included in the model.

- At steady-state beneath the wastewater discharge and recycled water use source areas TDS concentrations are estimated to rise from approximately 860 mg/L to between 995 and 1,260 mg/L. These concentrations approach and exceed the Basin Plan and SNMP water quality objectives for TDS concentrations in an area where TDS concentrations are currently relatively low.
- The alternative wastewater pond location would produce a different (more northerly) plume alignment, but the plume would still move toward the Vintage supply well and arrive at about the same time as the plume for the proposed pond location.

8. REFERENCES CITED

Bedekar, V., Morway, E.D., Langevin, C.D., and Tonkin, M., 2016a, MT3D-USGS version 1: A U.S. Geological Survey release of MT3DMS updated with new and expanded transport capabilities for use with MODFLOW: U.S. Geological Survey Techniques and Methods 6-A53, 69 p., available at <http://dx.doi.org/10.3133/tm6A53>.

Bedekar, V., Morway, E.D., Langevin, C.D., and Tonkin, M., 2016b, MT3D-USGS version 1.0.0: Groundwater Solute Transport Simulator for MODFLOW: U.S. Geological Survey Software Release, available at <http://dx.doi.org/10.5066/F75T3HKD>, September 30.

California Department of Water Resources (DWR), 2020, California's Groundwater, Bulletin 118, interim updated basin boundaries, available at <https://water.ca.gov/Programs/Groundwater-Management/Bulletin-118>, last accessed January.

California Regional Water Quality Control Board (RWQCB), 2019, Water Quality Control Plan for the Central Coastal Basin, June 2019 Edition, California Environmental Protection Agency, State Water Resources Control Board, June.

EKI, Inc., Todd Groundwater, and HydroFocus, Inc., 2017, San Mateo Plain Groundwater Basin Assessment, Preliminary Report, prepared for San Mateo County, January.

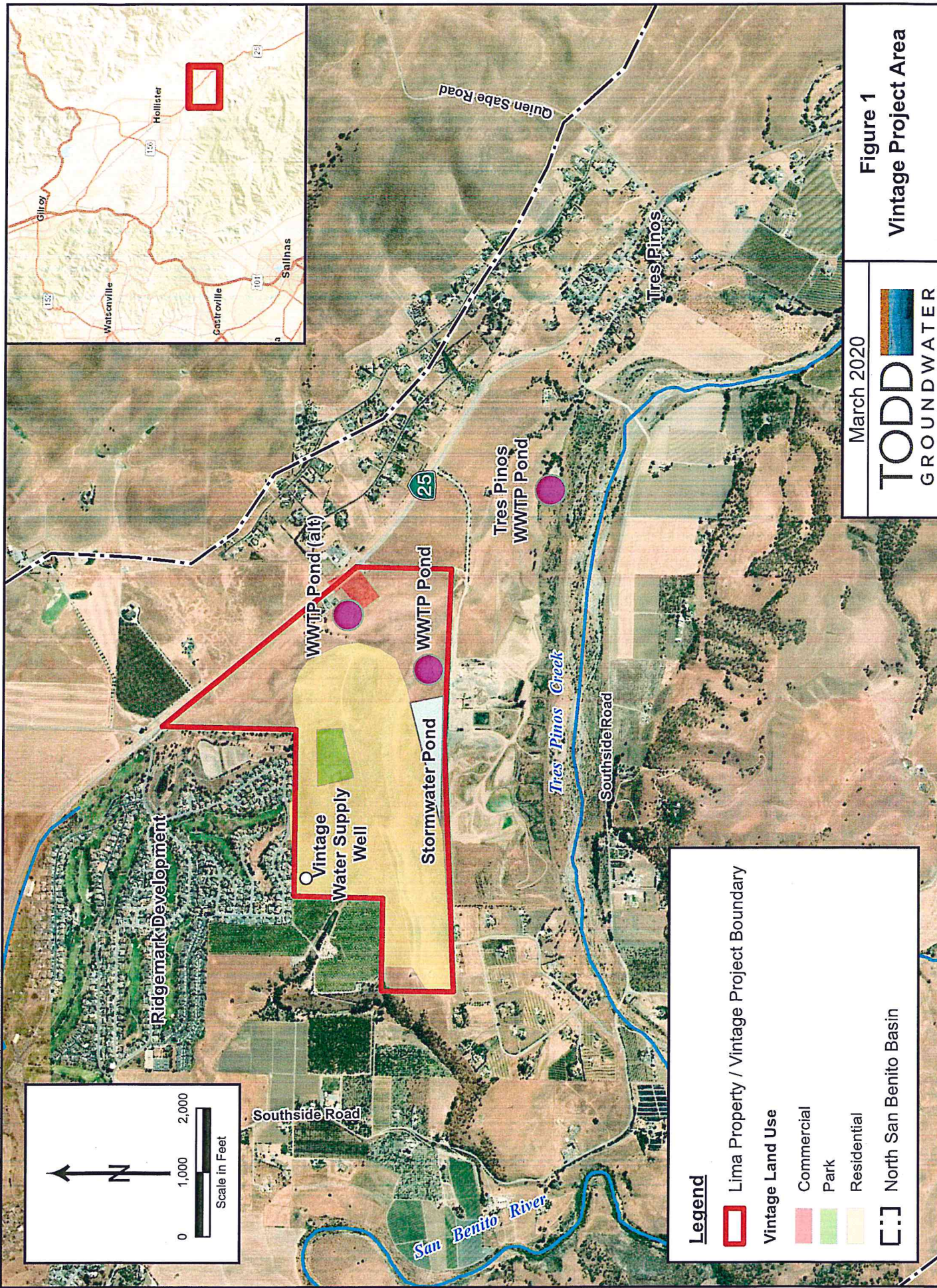
Harbaugh, A.W., 2005, MODFLOW-2005, the U.S. Geological Survey modular ground-water model -- the Ground-Water Flow Process: U.S. Geological Survey Techniques and Methods 6-A16, available at <https://pubs.er.usgs.gov/publication/tm6A16>.

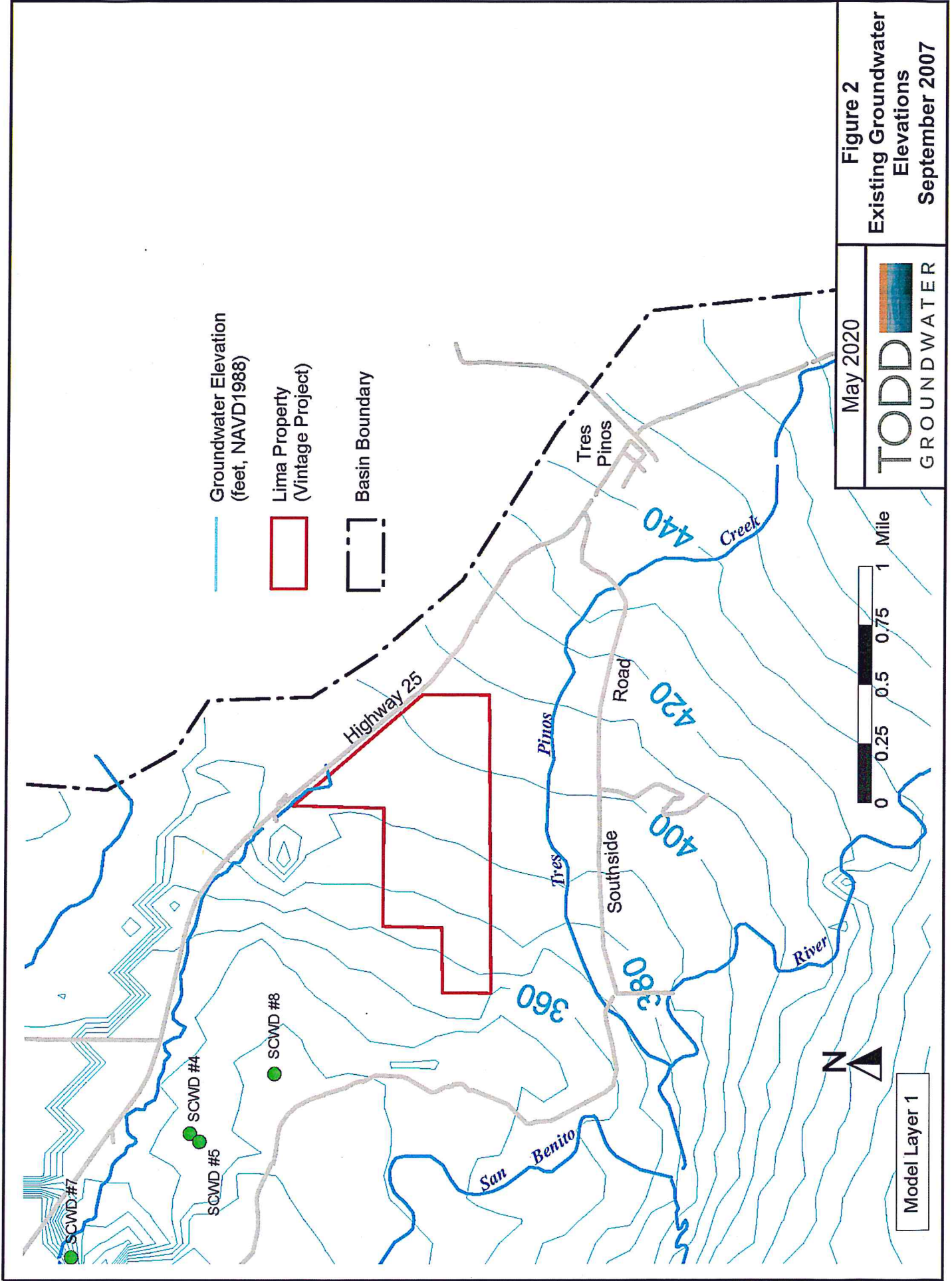
Harbaugh, A.W., Langevin, C.D., Hughes, J.D., Niswonger, R.N., and Konikow, L. F., 2017, MODFLOW-2005 version 1.12.00, the U.S. Geological Survey modular groundwater model: U.S. Geological Survey Software Release, available at <http://dx.doi.org/10.5066/F7RF5S7G>, February 3.

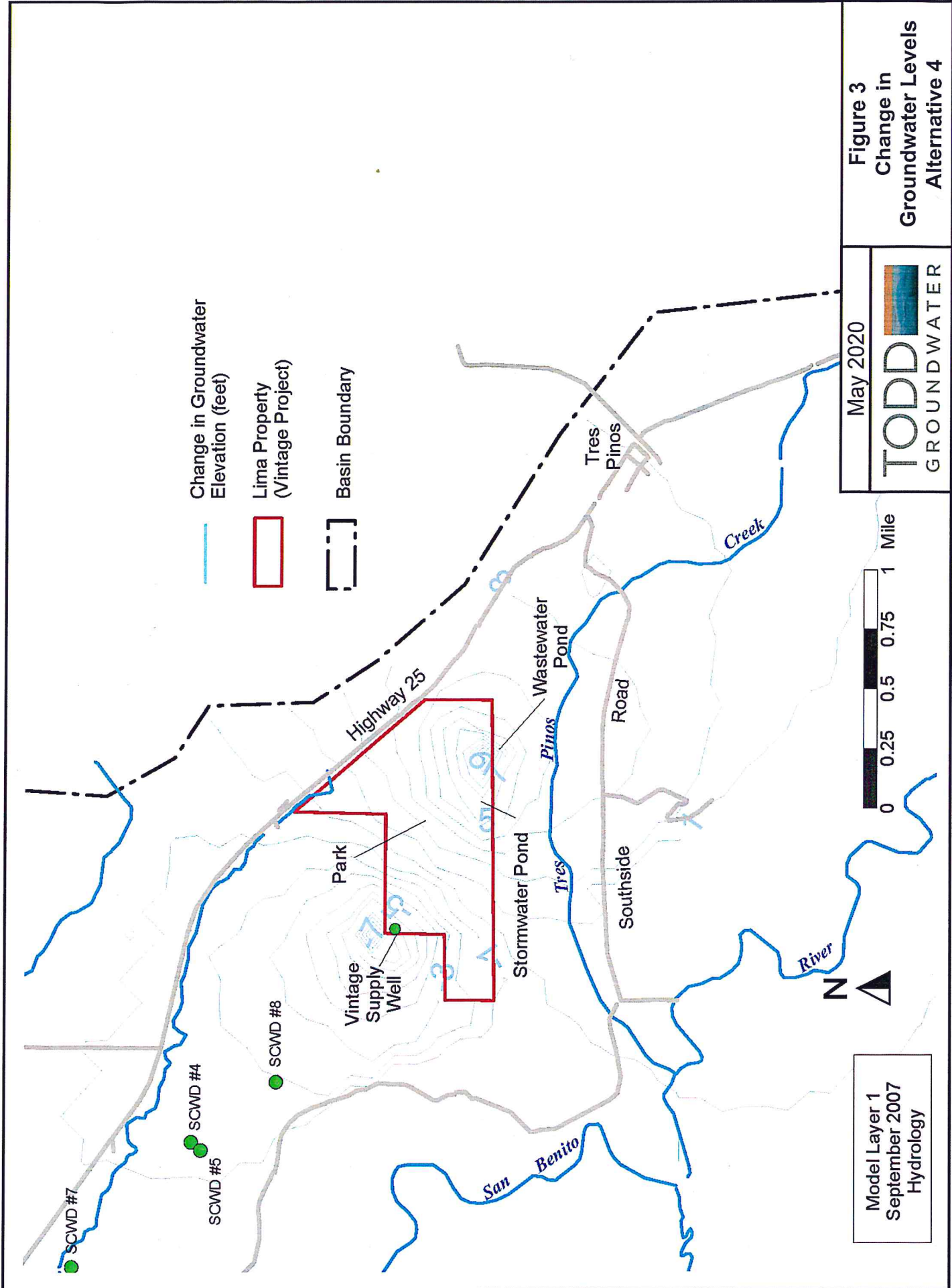
Los Angeles and San Gabriel Watershed Council, 2008, Los Angeles basin water augmentation study; Phase II monitoring report update, August.

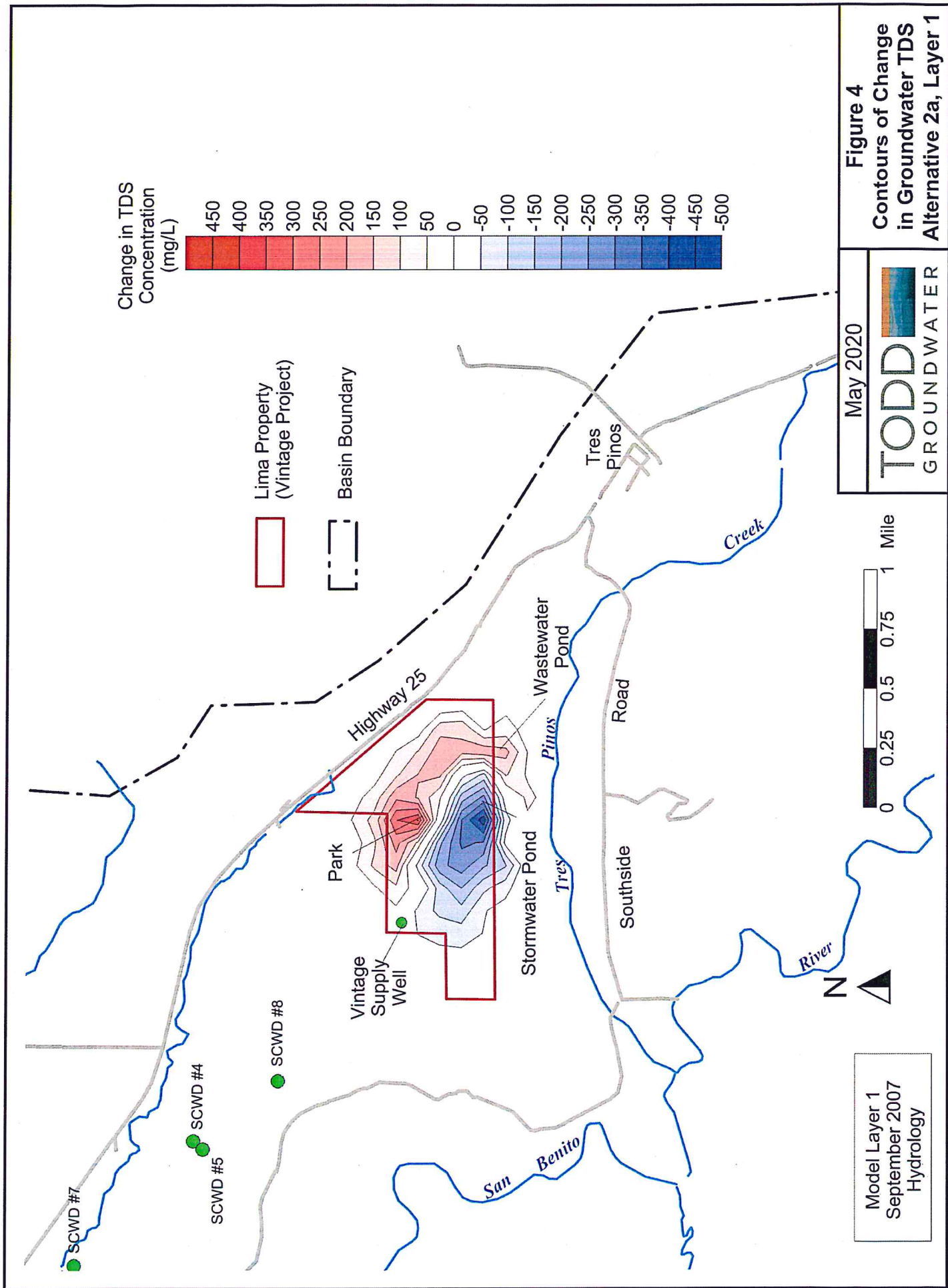
Stetson Engineers, Inc., 2019, Conceptual Design of Water and Wastewater Facilities for Vintage Properties, Draft Technical Memorandum, December 4.

Todd Groundwater, 2020, North San Benito Basin groundwater model update and enhancement 2020, Appendix G *in* North San Benito Basin groundwater sustainability plan, Draft, March.









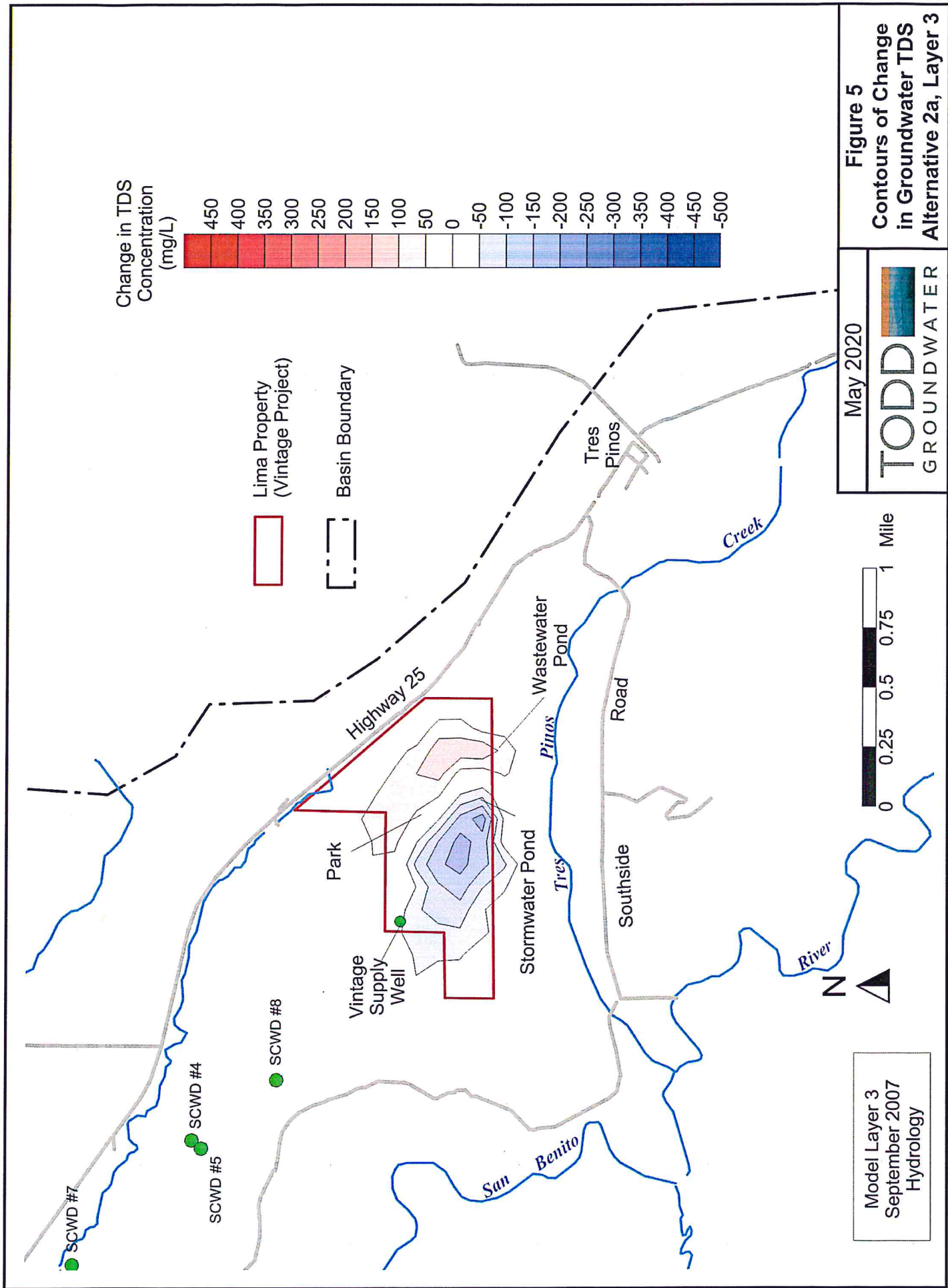
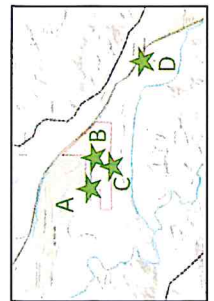
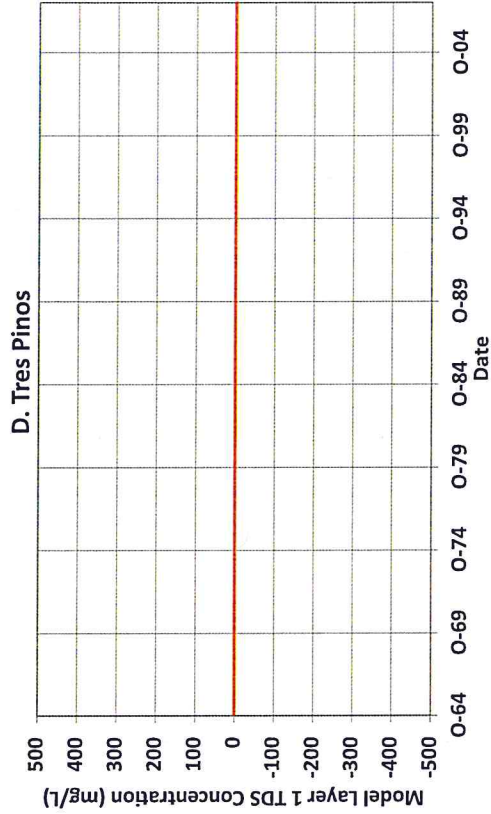
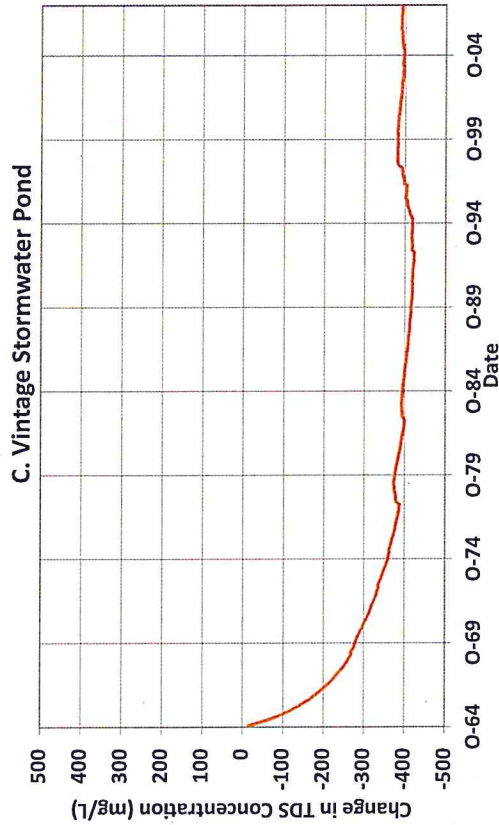
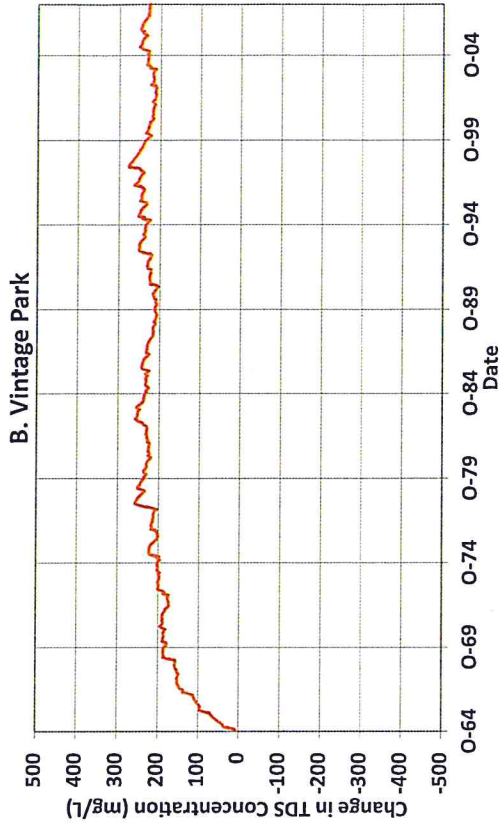
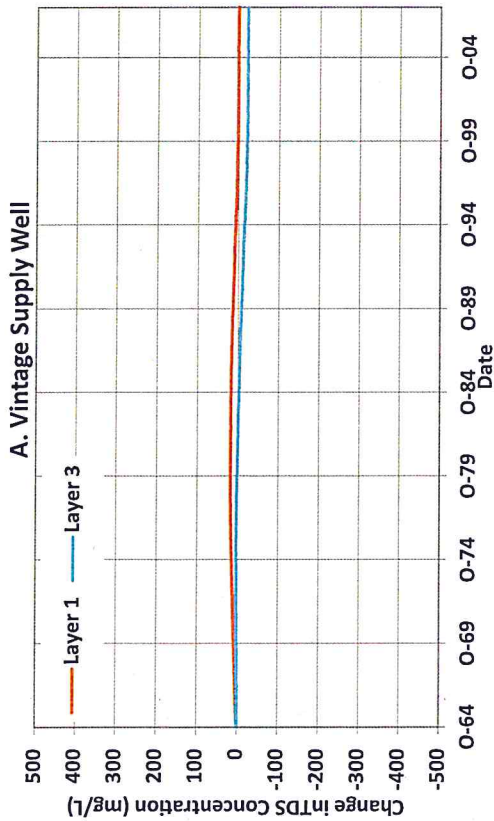


Figure 5
Contours of Change
in Groundwater TDS
Alternative 2a, Layer 3



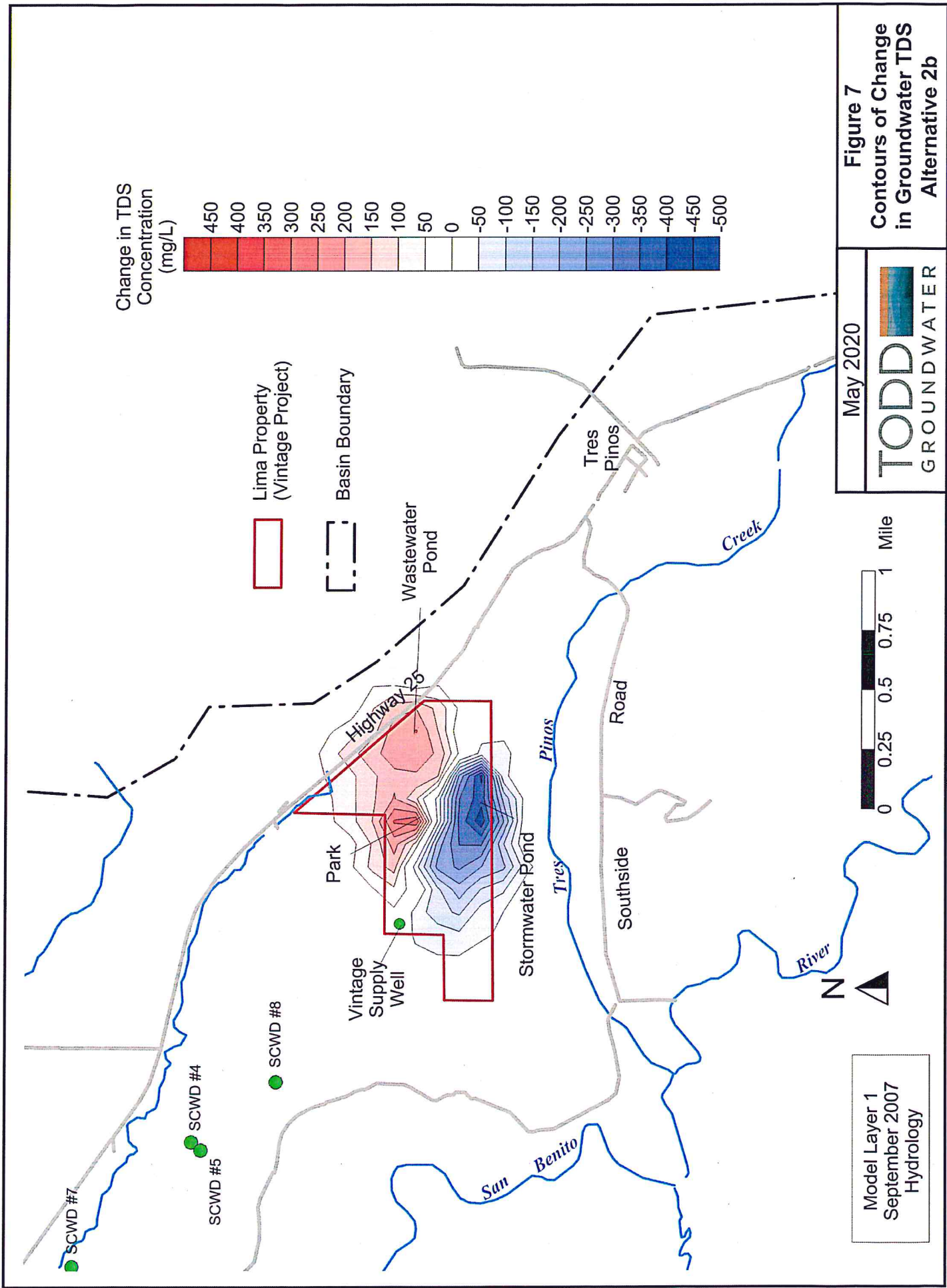
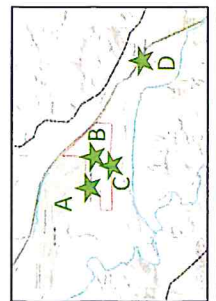
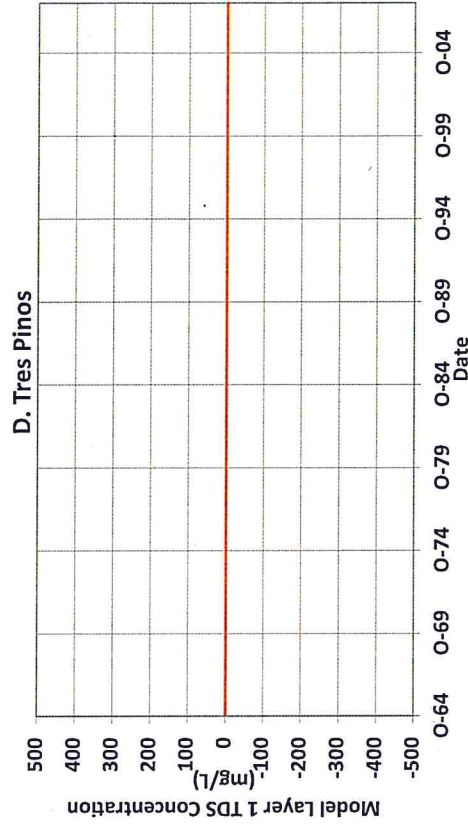
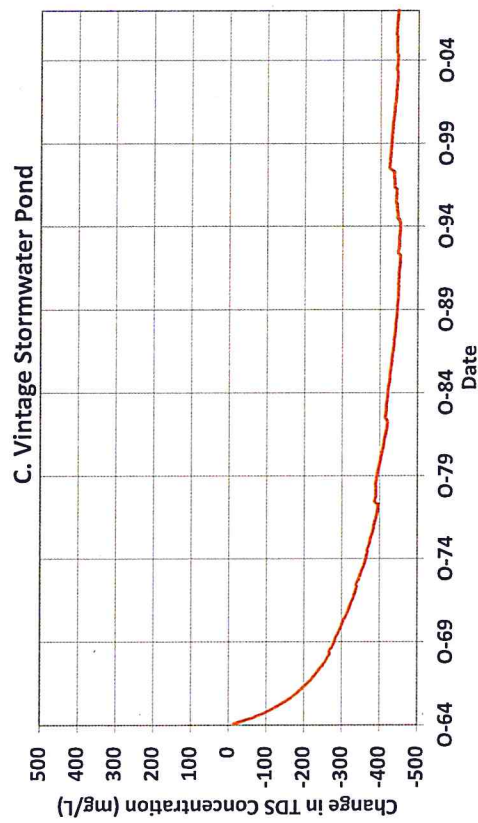
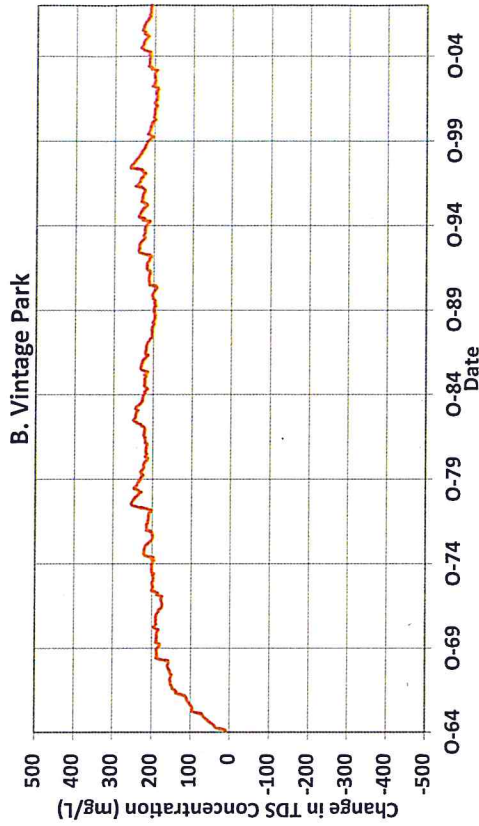
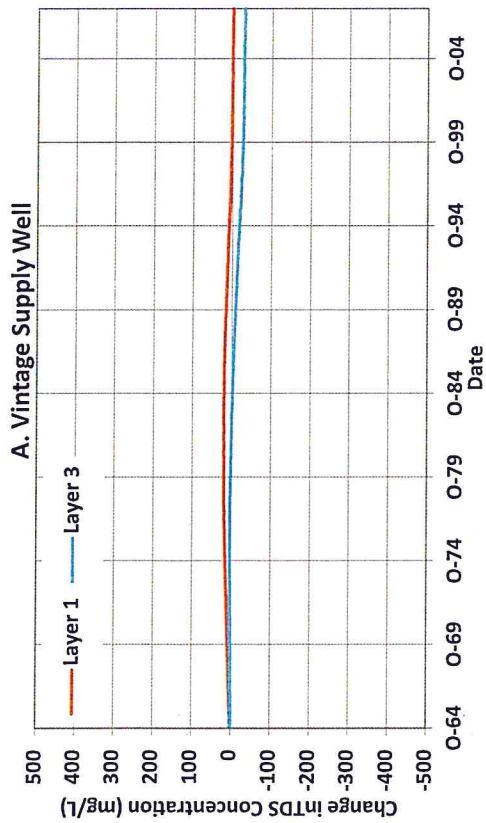


Figure 7
Contours of Change
in Groundwater TDS
Alternative 2b

May 2020

TODD
GROUNDWATER

Model Layer 1
September 2007
Hydrology



May 2020



Figure 8
Hydrographs of
Change in TDS
Alternative 2b

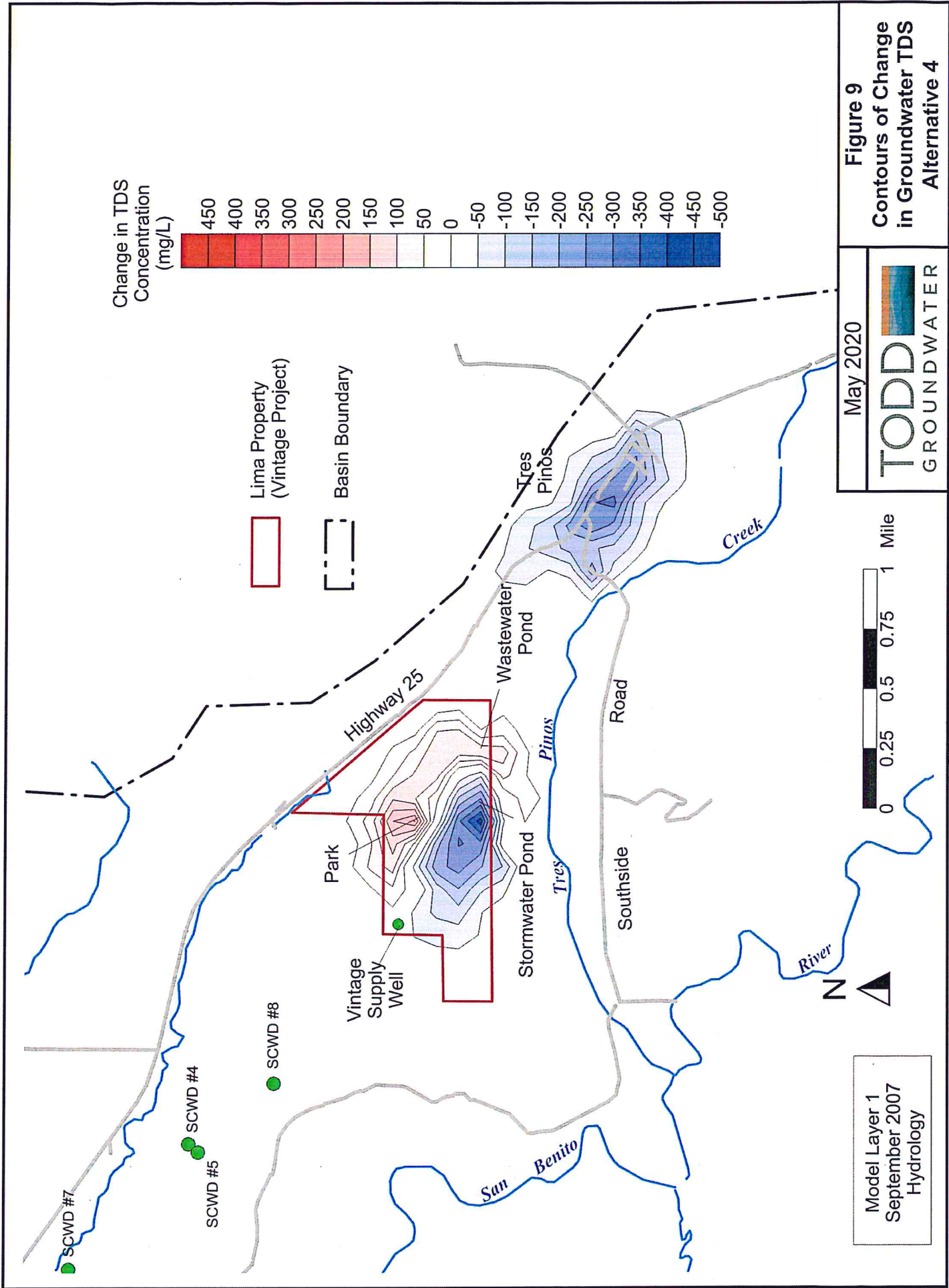
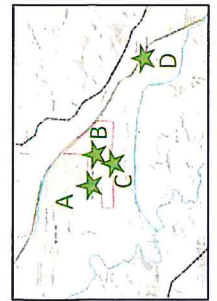
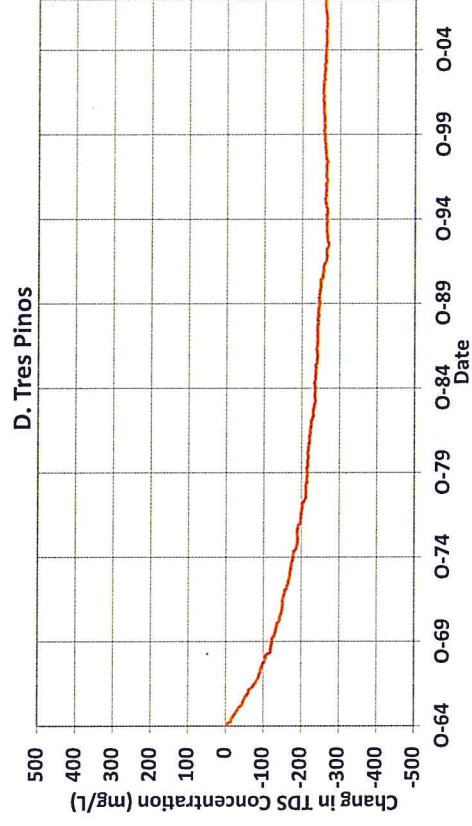
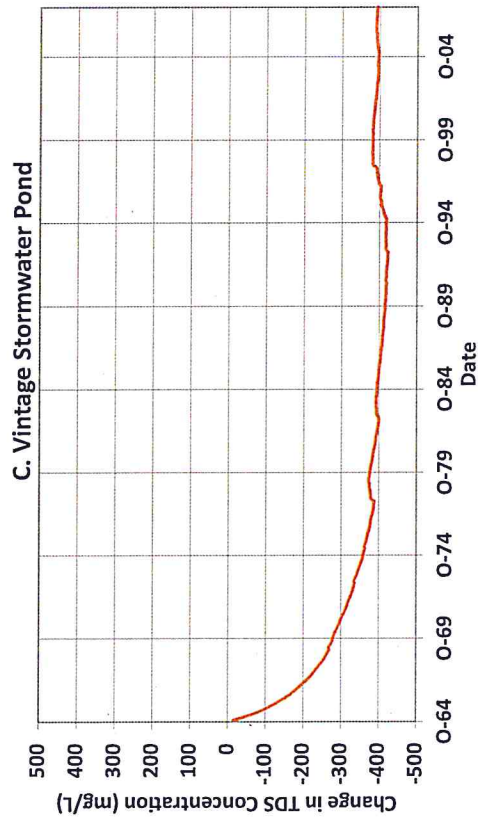
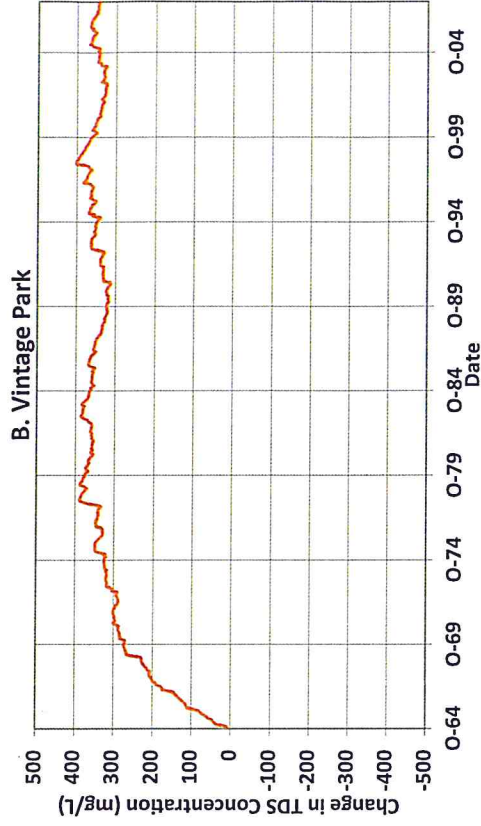
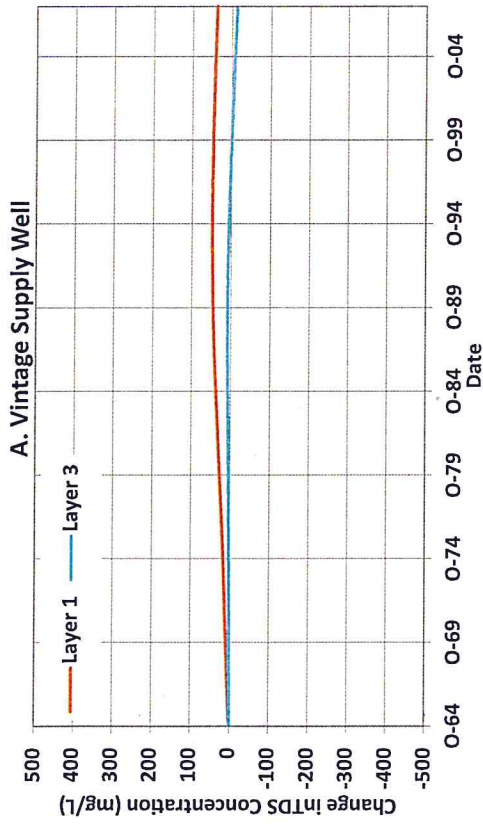


Figure 9
Contours of Change
in Groundwater TDS
Alternative 4



May 2020



Figure 10
Hydrographs of
Change in TDS
Alternative 4

**San Benito County Water District
Agenda Transmittal**

Agenda Item: 6

Meeting Date: August 26, 2020

Submitted By: Jeff Cattaneo

Presented By: Jeff Cattaneo

Agenda Title: Consider Awarding a Contract to Kennedy/Jenks for West Hills Treatment Plant Tracer Study and Authorize the District Manager to sign the contract (NTE \$95,356)

Detailed Description: Originally completed in 2008, the Hollister Urban Area Water and Wastewater Master Plan identified the need to build additional potable water treatment facilities for the Hollister urban area to mitigate the high hardness in the local groundwater. The initial project was to be in two phases, the first being the upgrade to the Lessalt Water Treatment Plant, and the second being the construction of a new West Hills treatment plant off Union Road.

With the completion of the West Hills Treatment Plant in July 2017 The California State Division of Drinking Water gave the District a provisional operating permit to operate West Hills at less than the maximum capacity until a tracer study would be completed on the finished water storage tank.

As designed, the finished water storage tank is constructed with baffle curtains installed within the tank to increase the detention time of the water stored in the tank prior to entering the distribution system. As each one of these systems and storage tanks is somewhat unique and the design is based on theoretical calculations, a study is required to demonstrate that the design and baffle system provide the required detention time for complete disinfection of the water prior to entering the distribution system. One of the requirements of completing the tracer study is to be able to run the treatment plant at full capacity during the tracer study. Prior to the completion of the Crosstown Pipeline, the City of Hollister/Sunnyslope system was lacking enough capacity to be able to convey the full 4.5 MGD.

Kennedy/Jenks has prepared a proposal to the District to complete the study for an amount not to exceed \$95,356. When the West Hills plant was completed, a small amount of construction funds remained and were transferred to the Capital Replacement Fund. Therefore, funding to complete the study will come from the West Hills Capital Replacement Fund.

Materials Included: Proposal from Kennedy/Jenks

Financial Impact: X Yes No

Funding Source/ Recap:

600-3207-0603-261-00 – West Hills Capital Replacement

Recommendation: Approve the project authorization in the amount of \$95,356 and authorize the District Manager to execute a contract with Kennedy/Jenks in the amount of \$95,356.

Action Required: _____Resolution X Motion _____Review

Board Action

Resolution No. _____ Motion By _____ Second By _____

Ayes _____ Abstained _____

Noes _____ Absent _____

Reagendized _____ Date _____ No Action Taken _____

SAN BENITO COUNTY WATER DISTRICT PROFESSIONAL SERVICES CONTRACT

THIS AGREEMENT, made and entered into this 26th day of August, 2020, by and between the San Benito County Water District, ("District,") and Kennedy/Jenks Consultants, ("Consultant").

- 1. Description of Project:** District desires to undertake a tracer study for the West Hills Water Treatment Plant Treated Water Storage Tank and submit a letter to the California Division of Drink Water for approval of a higher baffling factor ("the project") and to engage Consultant to provide the required professional services relating to the project.
- 2. Scope of Services - Basic; Completion:** Consultant shall perform those basic services in connection with the project as are set forth more particularly in EXHIBIT "A" entitled "SCOPE OF CONSULTANT SERVICES - BASIC, COMPLETION SCHEDULE" and shall complete said services in accordance with the completion schedule for them incorporated in said Exhibit.
- 3. Scope of Services - Additional, Completion Schedule:** It is understood by District and Consultant that it may be necessary, in connection with the project, for Consultant to perform or secure the performance of services other than those set forth in EXHIBIT "A". In each such instance, Consultant shall advise the District, in advance and in writing, of the need for such additional services, their cost and the estimated time required to perform them (if applicable). Consultant shall not proceed to perform any such required additional services until District has determined that such service is beyond the scope of the basic services to be provided, is required, and has given written authorization to perform or obtain it. Each additional service so authorized shall constitute an amendment to this Agreement, shall be identified and sequentially numbered as "Additional Consultant Service Order No. 1" and so forth, shall be subject to all of the provisions of this Agreement, and shall be attached as EXHIBIT "D" entitled "SCOPE OF CONSULTANT SERVICES - ADDITIONAL; COMPLETION SCHEDULE."
- 4. Changes to Scope of Work - Basic Services:** District may at any time and, upon a minimum of ten (10) days' written notice, modify the scope of basic services to be provided under this Agreement. Consultant shall, upon receipt of said notice, determine the impact on both time and compensation of such change in scope and notify District in writing. Upon agreement between District and Consultant as to the extent of said impacts to time and compensation, an amendment to this Agreement shall be prepared describing such changes. Execution of the amendment by District and Consultant shall constitute the Consultant's notice to proceed with the changed scope.
- 5. Compensation; Retention:** Consultant shall be compensated for services rendered to District pursuant to this Agreement periodically in the amounts, manner and in accordance with the payment schedule as set forth in EXHIBIT "B" entitled "COMPENSATION." Amounts due to Consultant from District for services rendered shall be evidenced by the submission to District by Consultant of an invoice, prepared in a form satisfactory to District, setting forth the amount

of compensation due for the period covered. Invoices, including the paid invoices of any subconsultants shall, at a minimum set forth the hours and hourly rates of each individual charged to the Project for the invoice period. Compensation shall not include the cost of executive, administrative and other personnel whose time is not directly identifiable to the Project. Each such invoice shall be forwarded to District so as to reach it on or before the fifteenth (15th) day of the month next following the month or months, or other applicable period, for which the services invoiced were provided. All such invoices shall be in full accordance with any and all applicable provisions of this Agreement. District will make payment on each such invoice within thirty (30) days of its receipt, provided however that if Consultant submits an invoice which is incorrect, incomplete, or not in accordance with the provisions of this Agreement, then District shall not be obligated to process any payment to Consultant until a correct and complying invoice has been submitted.

6. Responsibility of Consultant: By executing this Agreement, Consultant warrants to District that Consultant possesses, or will arrange to secure from others, all of the professional capabilities, experience, resources and facilities necessary to provide to District the services contemplated under this Agreement. Consultant further warrants that it will follow the highest current, generally accepted professional care, skill, diligence and practices to make findings, render opinions, prepare factual presentations, and provide professional advice and recommendations regarding this project for which services are rendered under this Agreement and that the Consultant shall, at no cost to the District, re-perform services which fail to satisfy the foregoing Standard of Care.

7. Responsibility of District: To the extent appropriate to the project contemplated by this Agreement, District shall:

7.1 Assist Consultant by placing at its disposal all available information pertinent to the project, including previous reports and any other relevant data.

7.2 Guarantee access to and make all provision for Consultant to enter upon public and private property as required for Consultant to perform its services.

7.3 Examine all studies, reports, specifications, proposals and other documents prepared and presented by Consultant, and render verbally or in writing as may be appropriate, decisions pertaining thereto within a reasonable time so as not to delay the progress of the work by Consultant.

7.4 Designate in writing a person to act as District's representative with respect to work to be performed under this Agreement. Such person shall have complete authority to transmit instructions, receive information, interpret and define District's policies and decision with respect to materials, equipment, elements and systems pertinent to Consultant's services.

8. Indemnification: Consultant shall hold District, its officers, boards and commissions, and members thereof, its employees and agents (collectively "District"), harmless of and free from the negligent acts, errors and omissions of Consultant arising out of its performance of

the services provided under this Agreement. Should District be named in any suit, or should any claim be made against District by suit or otherwise arising out of this Agreement, or Consultant's negligent acts, errors and omissions in its performance of the services provided for by this Agreement, Consultant shall defend and indemnify the District for any judgment rendered against District or by any sums paid out in settlement or otherwise, but only to the extent caused by the negligent act, error or omission in the rendering of services under this contract.

9. Insurance: During the term of this Agreement, Consultant shall maintain in full force and effect at its own cost and expense the following insurance coverage:

9.1 Workers' Compensation Insurance to cover its employees, and Consultant shall require all contractors and subcontractors similarly to provide Workers' Compensation Insurance as required by the Labor Code of the State of California for all of the subcontractors' employees. Each Workers' Compensation policy shall be endorsed with the provision that it will not be canceled or altered without first giving thirty (30) days prior notice to the District by certified or registered mail.

9.2 Public Liability Insurance including personal injury and property damage insurance for all activities of the Consultant and its contractors and subcontractors arising out of or in connection with this contract, written on a comprehensive general liability form including, but not limited to, Broad Form Property Damage, blanket contractual, products liability and completed operations, hazards, vehicle coverage and non-owned auto liability coverage in an amount not less than ONE MILLION DOLLARS (\$1,000,000) combined single limit personal injury and property damage for each occurrence.

9.3 Professional Liability Insurance Covering Errors and Omissions. The limits of coverage shall be no less than ONE MILLION DOLLARS (\$1,000,000) with a provision for no more than \$25,000 deductible. Consultant may not disclaim responsibility or avoid liability for the acts or omissions of its subcontractors or other professional consultants.

9.4 Certificates of Insurance and properly executed endorsements in a form acceptable to the District Counsel evidencing the coverage required by the clauses set forth above shall be filed with the District at the time of execution of this agreement. Each such policy shall be endorsed with the following language:

(1) The San Benito County Water District is named as additional insured for all liability arising out of the operations by or on behalf of the named insured, and this policy protects the additional insured, its officers, agents, and employees against liability for personal and bodily injuries, deaths or property damage or destruction arising in any respect, directly or indirectly, in the performance of the contract.

(2) The insurance provided is primary and no other insurance held or owned by the District shall be called upon to contribute to a loss.

(3) The inclusion of more than one insured shall not operate to impair the rights of one insured against another insured, and the coverage afforded shall apply as though separate policies had been issued to each insured.

(4) The coverage provided by this policy shall not be canceled, non-renewed, or substantially reduced in amount or scope, without thirty (30) days prior to written notice given to the District by certified mail.

(5) All rights of subrogation are hereby waived against the District, its officers and employees when acting within the scope of their appointment or employment.

10. Confidentiality: All District information disclosed to Consultant during the course of performance of services under this Agreement shall be treated as confidential and shall not be disclosed to any other persons or parties except as authorized by District, or by law.

11. Conflict of Interest: Consultant warrants that neither Consultant, nor any of its employees, agents or subcontractors, have a conflict of interest with respect to the work to be performed under this Agreement, nor shall such individuals, during this term of this Agreement, acquire any interest which would conflict in any manner with the performances of services hereunder.

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

13. Independent Contractor: District and Consultant agree that the relationship between them created by this Agreement is that of an employer-independent contractor. Consultant shall be solely responsible for the conduct and control of the work performed under this Agreement. Consultant shall be free to render professional consulting services to others during the term of this Agreement, so long as such activities do not interfere with or diminish Consultant's ability to fulfill the obligations established herein to District.

14. Commencement of Services: Consultant shall proceed with the project upon execution of this Agreement by the parties.

15. Notice to Proceed; Progress; Completion: Upon execution of this Agreement by the parties, District shall give Consultant written notice to proceed with the work. Such notice may authorize Consultant to render all of the services contemplated herein, or such portions or phases as may be mutually agreed upon. In the latter event, District shall, in its sole discretion, issue subsequent notices from time to time regarding further portions or phases of the work. Upon receipt of such notices, Consultant shall diligently proceed with the work authorized and complete it within the agreed time period.

16. Ownership of Documents: Title to all documents, drawings, specifications, and the like with respect to work performed under this Agreement shall vest with District at such time as District has compensated Consultant, as provided herein, for the services rendered by Consultant in connection with which they were prepared.

17. Designation of Key Personnel: The individuals specified in the attached EXHIBIT "C" shall provide the services set forth herein, and shall be the persons primarily in charge of such work. Prior to the provision of work by any other individuals on this project, such other individuals shall first be approved, in writing, by the District Manager or his designee.

18. Mistake of Fact: Each party understands that if any fact with respect to any matter covered by this Agreement is found hereafter to be other or different from the facts now believed by that party to be true, such party expressly accepts and assumes the risk of such possible differences in fact and agrees that this Agreement shall be in all respects effective and not subject to termination or rescission by reason of any such difference in facts.

19. Term; Termination: The term of this Agreement shall commence upon District's issuance to Consultant of a notice to proceed for all or a portion of the work, as herein above provided, and shall terminate upon District's acceptance and payment for all or such portion of the work as was authorized by such notice, including any and all retention. Notwithstanding the foregoing, District may, in its sole discretion, terminate this Agreement at any time and for any reason whatsoever by giving at least ten (10) days prior written notice of such termination to Consultant. In this latter event, Consultant shall be entitled to compensation for all services rendered and work performed for District to the date of such termination.

20. General Provisions:

20.1 Access to Records: Consultant shall maintain all books, records, documents, accounting ledgers, and similar materials relating to work performed for District under this Agreement on file for at least one (1) year following the date of final payment to Consultant by District. Any duly authorized representative(s) of District shall have access to such records for the purpose of inspection, audit and copying at reasonable times, during Consultant's usual and customary business hours. Consultant shall provide proper facilities to District's representative(s) for access and inspection. Consultant shall be entitled to reasonable compensation for time and expenses relate to such access and inspection activities, which shall be considered to be an additional service to the District, falling under the provisions of SECTION 4 herein above.

20.2 Assignment: This Agreement is binding on the heirs, successors, and assigns of the parties hereto and shall not be assigned by either District or Consultant without the prior written consent of the other. Any attempt by Consultant to so assign this Agreement or any rights, duties or obligations arising hereunder shall be void and of no effect.

20.3 Compliance with Laws, Rules, Regulations: All services performed by Consultant pursuant to this Agreement shall be performed in full compliance with all applicable federal, state, and District laws, including any rules, standards or regulations promulgated thereunder.

20.4 Exhibits Incorporated: All Exhibits referred to in this Agreement and attached to it are hereby incorporated in it by this reference.

20.5 Integration; Amendment: This Agreement represents the entire understanding of District and Consultant as to those matters contained herein. No prior oral or written understanding shall be of any force or effect with respect to those matters covered in it. This Agreement may not be modified or altered except by amendment in writing sign by both parties.

20.6 Waiver/Validity: Consultant agrees that waiver by District of any one or more of the conditions of performance under this Agreement shall not be construed as waiver of any other condition of performance under this Agreement. The acceptance by the District of the performance of any work or services by Contractor shall not be deemed to be a waiver of any term or condition of this Agreement.

21. Jurisdiction: District and Consultant agree that the law governing this Agreement shall be that of the State of California. Any suit brought by either party against the other arising out of the performance of this Agreement shall be filed and maintained in the Municipal or Superior Court of the County of San Benito. If any part of this Agreement is found to be in conflict with applicable laws, such part shall be inoperative, null, and void insofar as it is in conflict with said laws, but the remainder of the Agreement shall continue to be in full force and effect.

22. Attorney's Fees: In the event any dispute between the parties hereto arising from or relating to this Agreement shall result in litigation, the prevailing party shall be entitled to all reasonable costs, including, but not limited to, actual attorney's fees.

23. Notice: Any notices, required to be given pursuant to this Agreement, shall be deemed to have been given by their deposit, postage prepaid, in the United States Postal Service, addressed to the parties as follows:

- a. To District : San Benito County Water District
 P. O. Box 899
 Hollister, CA 95024-0899

- b. To Consultant: Kennedy/Jenks Consultants
 303 Second Street, Suite 300 South
 San Francisco, CA 94107

Nothing hereinabove shall prevent either District or Consultant from personal deliver of any such notices to the other party.

IN WITNESS WHEREOF, the parties hereto have made and executed this Agreement the day and year first above written.

District:

CONSULTANT:

By: _____

By: _____

Title

Title

Date

Date

EXHIBIT A
Scope

Kennedy/Jenks Consultants
Engineers & Scientists

303 Second Street, Suite 300 South
San Francisco, California 94107
415-243-2150
FAX: 415-896-0999

30 July 2020

Mr. Jeff Cattaneo
San Benito County Water District
30 Mansfield Road
Hollister, CA 95023

Subject: Proposal for Treated Water Storage Tank Tracer Study
West Hills Water Treatment Plant
San Benito County Water District
K/J B10681014

Dear Mr. Cattaneo:

The San Benito County Water District's West Hills Water Treatment Plant (WHWTP) has been in operation since the summer of 2017. The Sunnyslope County Water District (SSCWD) operates the WHWTP under a contract with the San Benito County Water District (SBCWD).

The WHWTP Treated Water Storage Tank (TWST) has been assigned a T_{10}/T baffling factor of 0.2 by the California Division of Drinking Water (DDW). The WHWTP design engineer provided a memorandum that predicted a T_{10}/T baffling factor for the TWST of 0.46, based on theoretical calculations. The currently assigned 0.2 baffling factor limits the operational volume in the TWST because more volume must be reserved for disinfection CT. This reduces the operational flexibility of the WTP and system at higher plant flow rates.

A higher T_{10}/T baffling factor for the TWST could provide greater flexibility in operation of the TWST and possible chemical savings due to reduced chlorine use. To obtain DDW-approval of a higher baffling factor, a tracer study demonstrating the actual hydraulic performance of the TWST is required.

This proposal provides engineering services to work with SSCWD and SBCW Staff to conduct a tracer study for the WHWTP TWST and to submit a letter to DDW for approval of a higher baffling factor.

Scope of Services

The scope of engineering services for the WHWTP TWST Tracer Study is described below and based on the following assumptions regarding the study:

Assumptions

This proposal assumes that two tracer tests (one at high flow rate and one at low flow rate) will be conducted and that the tracer study chemical (fluoride or lithium) can be added at the

Mr. Jeff Cattaneo
San Benito County Water District
30 July 2020
Page 2

existing sodium hypochlorite or sodium hydroxide chemical injection point with a temporary metering pump system. This proposal further assumes:

- SBCWD / SSCWD will provide the tracer study chemical and associated temporary tracer study fluoride injection system, as well as supplies for field analysis of tracer chemical.
- The current budget for this task assumes two (2) tracer tests using a step-input and performed at flow rates of approximately 1.5 and 4.1 MGD.
- The test at 4-MGD is expected to take approximately 24 hours. Kennedy Jenks staff would be onsite for the 4-MGD test at the beginning, and then at one (1) hydraulic detention time (HDT) following stoppage of tracer chemical injection (approximately 16 hours). Sample collection and tracer monitoring when KJ is not onsite will be performed by plant operations staff.
- The test at 1.5-MGD is expected to take approximately 96 hours. To reduce the costs of the tracer study, it is assumed that Kennedy Jenks staff will be onsite for the first HDTs after the start and stop of tracer injection, respectively (a total of approximately 30 hours). Sample collection and tracer monitoring outside when KJ is not onsite test will be performed by plant operations staff.
- WHWTP operations staff will be available to assist with sample collection, as needed, on an around-the-clock basis during both tracer tests.
- SSCWD will demobilize the temporary equipment and injection point installation and return/dispose of any unused tracer chemical.
- It is assumed that SSCWD's water quality laboratory will perform analysis of the samples to determine the tracer study chemical concentrations within approximately two (2) weeks of the tracer study test dates.
- It is assumed that SSCWD will provide hand-held analytical equipment and reagents needed to monitor tracer chemical concentration in the field during the tracer study¹.

In addition, it is assumed that SBCWD / SSCWD staff will assist with the following:

- Setup of the temporary tracer injection point and chemical metering pump system.
- Collect and record specific data from the plant SCADA system.
- Assist with sample collection.

¹ For some tracer chemicals with an MCL, such as fluoride, it is advisable to monitor tracer concentrations in the field to ensure that tracer chemical dosage is correct, and concentrations do not exceed regulatory limits.

Mr. Jeff Cattaneo
San Benito County Water District
30 July 2020
Page 3

Task 1: Project Management and Quality Assurance/Quality Control

Kennedy Jenks will provide overall project management over the course of this ~4-month study, which includes supervision of KJ Staff; planning and monitoring contract budget and schedule; reviewing and submitting monthly invoices and associated status reports; and coordination with SBCWD and SSCWD staff. In addition, a health and safety plan will be prepared before performing the onsite services.

Kennedy Jenks will provide quality assurance and quality control (QA/QC) reviews throughout the course of this project consistent with Kennedy Jenks' policies. Our QA/QC and quality management procedures establish and maintain a structure for providing reviews of work products and adherence to industry standards. All deliverables will be reviewed by a qualified quality reviewer prior to submittal.

Deliverables:

- Monthly Project Status Reports and invoices [one (1) PDF copy of each]

Task 2: Project Meetings and Conference Calls

Kennedy Jenks will lead project meetings as described below with SBCWD and SSCWD staff. We will also conduct monthly check-in calls with SBCWD / SSCWD Project Manager to review the status of ongoing work and tracer study-related activities.

Assumed meetings include:

- One (1) project kick-off meeting. We propose this meeting be conducted via conference call.
- One (1) tracer study protocol review workshop. We propose this meeting be conducted at the WTP and via conference call. KJ will review and coordinate specific tracer chemical injection and sampling points with SSCWD Operations Staff.
- One (1) draft tracer study report review meeting. We propose this meeting be conducted via conference call.

Deliverables

- Project meeting agendas, handouts and summary notes (electronic).

Mr. Jeff Cattaneo
San Benito County Water District
30 July 2020
Page 4

Task 3: Develop Tracer Study Protocol for DDW Review

Kennedy Jenks will coordinate with SBCWD, SSCWD and DDW to develop the tracer study protocol, and will submit the tracer study protocol to DDW for approval.

Due to changing TWST hydraulic efficiencies with plant flow rate, tracer studies need to be performed at several different flowrates to properly characterize the system. Kennedy Jenks has successfully obtained DDW approval for previous tracer studies performed using two to four flow rates, one of which must be at least 91% of the maximum plant capacity.

As part of the protocol development, Kennedy Jenks will perform the following:

- Select suitable plant flow rates and number of tracer tests required for the tracer study. We anticipate two tests at low and high flow rates.
- Select a suitable tracer chemical (likely fluoride), tracer chemical dosage and volume of tracer chemical stock solution required for the tracer study.
- Work with SSCWD to select a suitable tracer injection location and prepare a sketch showing the required injection system modifications, if needed, to permit using the injection point to add the tracer chemical to the filtered water.
- Calculate the hydraulic transit time in the TWST, the associated inlet and outlet pipelines and sample pipelines.
- Identify sample locations for the tracer study grab samples.
- Prepare a preliminary schedule for the tracer testing.

Kennedy Jenks will request electronic PDF copies of the “as-built” record drawings (Process and Instrumentation (P&ID), and process mechanical drawings) from SBCWD for the West Hills WTP.

As part of the protocol approval process, Kennedy Jenks will submit a Draft Tracer Study Protocol to SBCWD and SSCWD for review. After incorporating the Districts’ comments, a Draft Final Tracer Study Protocol will be submitted to DDW for review, followed by a Final Tracer Study Protocol incorporating DDW’s comments.

Kennedy Jenks will participate in a review call with SBCWD, SSCWD and DDW to discuss the Draft Final Tracer Study Protocol and receive input from DDW.

Mr. Jeff Cattaneo
San Benito County Water District
30 July 2020
Page 5

Deliverables

- Draft Tracer Study Protocol (electronic, Word and PDF)
- Draft Final Tracer Study Protocol (electronic, Word and PDF)
- Final Tracer Study Protocol (electronic, Word and PDF)

Task 4: Planning and Setup of Tracer Tests

Kennedy Jenks will work with SSCWD Staff to plan and schedule the tracer tests to accomplish both the high flow rate and low flow rate tests for the study. The high rate testing would be conducted in late September or October 2020 while there is still relatively high demands in the system. Kennedy Jenks understands that SBCWD and SSCWD can adjust the distribution of water from the West Hills WTP to permit operating the plant at ~4.1 mgd for greater than 24 hours.

As part of this task, Kennedy Jenks will also prepare the information necessary for SBCWD / SSCWD to order the tracer chemical, any necessary tracer chemical injection system components, sample bottles and labels, and develop the plan for plant staff assistance.

Kennedy Jenks will provide recommendations to SBCWD / SSCWD with regards to any temporary modifications to the existing TWST and associated piping, if required, to provide a tracer study chemical injection system. This system could include using an existing chemical metering pump or providing a temporary pump, analyzers, sample points, electrical power, and SCADA connections for use during the tracer study.

Prior to starting the field tasks, Kennedy Jenks will verify that the tracer chemical injection system is ready to operate; verify that the tracer study chemical is onsite; verify that the safety equipment is onsite and available; train the sample collection team; calibrate the tracer chemical metering pump; label the sample bottles; and conduct a safety review session on the tracer study chemical. Kennedy Jenks will also schedule a “dry run” rehearsal in the morning of the first tracer test date to provide an opportunity for team members to familiarize themselves with their assigned tasks.

It is recommended that DDW engineering staff be invited to observe during the tracer tests, if possible given COVID-19 precautions. Kennedy Jenks will coordinate with DDW to invite them to witness the testing, if appropriate.

Task 5: Conduct Tracer Testing

A step-input tracer test typically takes place over a time period equivalent to approximately eight (8) hydraulic detention times (HDTs) of the reservoir being tested. Tracer chemical is injected

Mr. Jeff Cattaneo
San Benito County Water District
30 July 2020
Page 6

for approximately four (4) HDTs, after which the tracer injection is stopped, and tracer concentration is monitored as it returns to background levels.

This dosing method permits collecting data during the period when the tracer concentration is increasing over background (typically referred to as the “ascending curve”) as well as during the period after the tracer chemical metering pump is stopped and the tracer concentration is decreasing (referred to as the “descending curve”) as it returns to background levels. The T_{10}/T baffling factor can be determined from the shape of the ascending curve, and then compared to the T_{10}/T baffling factor determined from the inverted shape of the descending curve as verification.

Kennedy Jenks will perform the following tasks as part of the tracer study:

- Calculate and print copies of the tracer sample collection times for each of the sample points.
- Support SSCWD Staff with the calibration, starting, operation and stopping of the tracer metering pump.
- Support SSCWD Staff with the collection of samples at the sample locations per the calculated schedules.
- Perform periodic testing of tracer concentration using field test kits to monitor test progress and to ensure that water quality limits for fluoride are not exceeded.
- Deliver the filled and labeled sample bottles to WHWTP operations staff for shipping to a laboratory for tracer concentration analysis.
- Arrange for WHWTP operations staff to monitor and collect the analyzers data, plant flow rate data, and TWST water surface elevation (WSE) data.

Kennedy Jenks will coordinate with WHWTP operations staff who will operate the WTP and the TWST on the test dates to maintain the required testing conditions.

Task 6: Data Analysis and Tracer Study Report Preparation

Kennedy Jenks will use the plant flow rate, TWST WSE data and tracer study chemical concentration data in an Excel spreadsheet model and prepare graphical presentations of these data for the flow rate tests conducted. Based on the data, Kennedy Jenks will prepare a report recommending the T_{10}/T baffling factor that is appropriate for the TWST.

Kennedy Jenks will prepare and submit draft and final tracer study reports for review by SBCWD, SSCWD and DDW.

Mr. Jeff Cattaneo
San Benito County Water District
30 July 2020
Page 7

Kennedy Jenks will participate in a review call with SBCWD, SSCWD and DDW to discuss the results of the tracer study report.

The final report will incorporate review comments received on the draft report. Kennedy Jenks will incorporate comments and submit a final report that recommends the T_{10}/T baffling factor that is appropriate for the TWST.

Deliverables

- Submit electronic copies of a Draft Tracer Study Report (electronic, Word and PDF)
- Submit electronic copies of a Final Tracer Study Report (electronic, Word and PDF)

Kennedy Jenks Experience

Kennedy Jenks is an employee-owned, full-service engineering, scientific, and management consulting firm consistently ranked in the top 200 of the Engineering News-Record's (ENR) Top 500 Design Firms. Serving communities since our founding in 1919, Kennedy Jenks offers a breadth and depth of technical expertise to provide a full-range of services for your project, including engineers, hydraulics and tracer study experts, and specialists who have planned, designed, and implemented surface water treatment plant projects in California and throughout the western United States.

The Kennedy Jenks Team provides solid, demonstrated tracer study experience and has successfully completed similar projects for other water agencies, including the San Francisco Public Utilities Commission, Calleguas Municipal Water District, and San Juan Water District. The Kennedy Jenks Team understands the SBCWD and SSCWD objectives with the WHWTP Tracer Study and will help the Districts achieve those objectives.

Project Team

Kennedy Jenks Team will include the following key project team members for the WHWTP TWST Tracer Study Project.

Project Manager, Todd Reynolds, PE: The project will be organized under the direction of Todd Reynolds. Todd brings 24 years of engineering experience with Kennedy Jenks, including the management, planning, design, construction support, and startup of water treatment plant projects throughout California.

Project Study Lead, Ryan Holloway, PE, PhD: Ryan will serve as the tracer study leader and deputy project manager for the Kennedy Jenks team and will be the main point of contact with SBCWD/SSCWD staff. Ryan is a member of Kennedy Jenks Advance Research Group and has over 10 years of pilot testing, water quality and treatment, and tracer study experience.

Mr. Jeff Cattaneo
 San Benito County Water District
 30 July 2020
 Page 8

Basis of Compensation

Kennedy Jenks proposes that compensation for our services be on a time-and-expense reimbursement basis, with a not-to-exceed budget, in accordance with our standard professional services agreement attached, and our Schedule of Charges, dated January 1, 2020, attached. Payments are made monthly based on invoices which describe services and list actual costs and expenses.

Based on our estimate of services required, we propose a total budget of \$95,356, which will not be exceeded without authorization. A cost breakdown by task is tabulated below.

A summary of the fee by task is provided below. Kennedy Jenks will notify you prior to expenditure of 80% of the fee if the need for a fee increase is anticipated.

Task 1:	Project Management and QA/QC	\$9,210
Task 2:	Project Meetings and Conference Calls	\$7,202
Task 3:	Development, Review and Approval of Protocol	\$20,655
Task 4:	Planning and Setup of Tracer Tests	\$9,289
Task 5:	Tracer Testing	\$22,922
Task 6:	Data Analysis and Tracer Study Report Preparation	\$26,078
	Total	\$95,356

Schedule

The proposed project schedule key milestones are listed below.

Milestone	Proposed Periods
Notice to Proceed	August 2020
Development, Review and Approval of Protocol	September 2020
Planning and Setup of Tracer Tests	September 2020
Tracer Testing @ 4 MGD	October 2020
Tracer Testing @ 1.5 MGD	November or December 2020
Data Analysis and Tracer Study Report Preparation	December 2020

Terms and Conditions

This scope of services is based on current projections of staff availability and costs and, therefore, is valid for 90 days following the date of this letter.

As appropriate, to assure a clear understanding of all matters related to our mutual responsibilities, the attached Standard Conditions dated January 1, 2017 are made a part of our agreement. We have found these terms to be appropriate for use with agreements for the provision of engineering and scientific services, and accordingly, should any conflict exist

Mr. Jeff Cattaneo
San Benito County Water District
30 July 2020
Page 9

between the attached terms and the form of any purchase order or confirmation issued, the terms of this proposal and the attached Standard Conditions shall prevail in the absence of our express written agreement.

Thank you for considering Kennedy Jenks Consultants for this work. We look forward to working with you on this important project.

Very truly yours,

KENNEDY JENKS CONSULTANTS



Todd K. Reynolds, P.E.
Project Manager

Enclosures (2):

Schedule of Charges dated January 1, 2020
Standard Conditions dated January 1, 2017

Client/Address: San Benito County Water District
30 Mansfield Rd.
Hollister, CA 95023

Contract/Proposal Date: 30 July 2020

Schedule of Charges

January 1, 2020

PERSONNEL COMPENSATION

Classification	Hourly Rate
Engineer-Scientist-Specialist 1	\$130
Engineer-Scientist-Specialist 2	\$165
Engineer-Scientist-Specialist 3	\$185
Engineer-Scientist-Specialist 4	\$200
Engineer-Scientist-Specialist 5	\$220
Engineer-Scientist-Specialist 6	\$245
Engineer-Scientist-Specialist 7	\$270
Engineer-Scientist-Specialist 8	\$290
Engineer-Scientist-Specialist 9	\$305
CAD-Technician	\$120
Senior CAD-Technician	\$140
CAD-Designer	\$155
Senior CAD-Designer	\$175
Project Administrator	\$130
Administrative Assistant	\$110
Aide	\$85

In addition to the above Hourly Rates, an Associated Project Cost charge of \$9.74 per hour will be added to Personnel Compensation for costs supporting projects including telecommunications, software, information technology, internal photocopying, shipping, and other support activity costs related to the support of projects.

Direct Expenses

Reimbursement for direct expenses, as listed below, incurred in connection with the work, will be at cost plus ten percent for items such as:

- Maps, photographs, 3rd party reproductions, 3rd party printing, equipment rental, and special supplies related to the work.
- Consultants, soils engineers, surveyors, contractors, and other outside services.
- Rented vehicles, local public transportation and taxis, travel and subsistence.
- Project specific telecommunications and delivery charges.
- Special fees, insurance, permits, and licenses applicable to the work.
- Outside computer processing, computation, and proprietary programs purchased for the work.

Reimbursement for vehicles used in connection with the work will be at the federally approved mileage rates or at a negotiated monthly rate.

If prevailing wage rates apply, the above billing rates will be adjusted as appropriate.

Overtime for non-exempt employees will be billed at one and a half times the Hourly Rates specified above.

Rates for professional staff for legal proceedings or as expert witnesses will be at rates one and one-half times the Hourly Rates specified above.

Excise and gross receipts taxes, if any, will be added as a direct expense.

The foregoing Schedule of Charges is incorporated into the agreement for the services provided, effective January 1, 2020 through December 31, 2020. After December 31, 2020, invoices will reflect the Schedule of Charges currently in effect.

Client: San Benito County Water District

Contract/Proposal Date: 30 July 2020

Standard Conditions

January 1, 2017

CLIENT and KENNEDY/JENKS CONSULTANTS, INC. ("CONSULTANT") agree that the following provisions shall be a part of their agreement.

1. **TERMS OF PAYMENT.** CLIENT will be invoiced at the end of the first billing period following commencement of work and at the end of each billing period thereafter. Payment in full of an invoice must be received by CONSULTANT within thirty (30) days of the date of such invoice.
2. **EFFECT OF INVOICE.** The work performed shall be deemed approved and accepted by CLIENT as and when invoiced unless CLIENT objects within fifteen (15) days of invoice date by written notice specifically stating the details in which CLIENT believes such work is incomplete or defective, and the invoice amount(s) in dispute. CLIENT shall pay undisputed amounts as provided for in the preceding paragraph.
3. **INTEREST; SUSPENSION OF WORK.** Failure of CLIENT to make full payment of an invoice so that it is received by CONSULTANT within said thirty (30) days of the date thereof subjects the amount overdue to a delinquent account charge of one percent (1%) of the invoice amount per month, compounded monthly, but not to exceed the maximum rate permitted by law. Failure of CLIENT to submit full payment of an invoice within thirty (30) days of the date thereof subjects this agreement and the work herein contemplated to suspension or termination at CONSULTANT's discretion.
4. **ADVANCE PAYMENT: WITHHOLDING OF WORK PRODUCT.** CONSULTANT reserves the right to require payment in advance for work it estimates will be done during a given billing period. CONSULTANT, without any liability to CLIENT, reserves the right to withhold any services and work products herein contemplated pending payment of CLIENT's outstanding indebtedness or advance payment as required by CONSULTANT. Where work is performed on a reimbursable basis, budget may be increased by amendment to complete the scope of work. CONSULTANT is not obligated to provide services in excess of the authorized budget.
5. **STANDARD OF CARE.** CONSULTANT's services performed under this agreement will be performed in a manner consistent with the care and skill ordinarily exercised by members of the profession practicing under similar conditions at the same time and in the same or similar locality. When the findings and recommendations of CONSULTANT are based on information supplied by CLIENT and others, such findings and recommendations are correct to the best of CONSULTANT's knowledge and belief. No warranty, express or implied, is made or intended by this agreement, or by the foregoing statement of the applicable standard of care, or by providing consulting services or by furnishing oral or written reports of findings made. No entity other than CLIENT or CONSULTANT shall be construed as a beneficiary to this Agreement.
6. **INSURANCE COVERAGE.** CONSULTANT is protected by Worker's Compensation insurance as required by applicable state laws and will maintain employer's liability coverage. During the performance of this agreement CONSULTANT will maintain professional liability insurance with a limit of \$1 million on a claims made, annual aggregate basis, and commercial general liability and automobile liability insurance each with a limit of not less than \$1 million on an occurrence basis.
7. **ALLOCATION OF RISK.** CLIENT and CONSULTANT have discussed the risks associated with this project and the extent to which those risks should be shared by CLIENT and by CONSULTANT, and have agreed:
(a) To the fullest extent permitted by law, CLIENT agrees to limit the liability of CONSULTANT, its officers, employees, and subconsultants to CLIENT, all landowners, contractors, subcontractors, lenders, suppliers, manufacturers, third parties, and their employees such that the total aggregate liability, including all attorneys fees and costs shall not exceed \$50,000.00 or the total fees paid for CONSULTANT's services

on this project, whichever is greater. (b) All damages such as loss of use, profits, anticipated profits, and the like losses are consequential damages for which CONSULTANT is not liable. (c) CLIENT shall give written notice to CONSULTANT of any claim of negligent act, error or omission within one (1) year after the completion of the work performed by CONSULTANT. Failure to give notice herein required shall constitute a waiver of said claim by CLIENT.

8. **SERVICES DURING CONSTRUCTION.** Any construction inspection or testing provided by CONSULTANT is for the purpose of determining compliance by contractors with the functional provisions of project documents only. CLIENT agrees that CONSULTANT will have no inspection responsibilities at the jobsite except to the extent specifically provided for in the agreed upon scope of work. CONSULTANT shall not be held in any way to guarantee any contractor's work, nor to assume responsibility for means, methods or appliances used by any contractor nor to assume responsibility for a contractor's compliance with laws and regulations or for contractor's errors, omissions, or defective work. CLIENT agrees that in accordance with generally accepted construction practices, the construction contractor will be required to assume sole and complete responsibility for jobsite conditions during the course of construction of the project, including safety of all persons and property and that this responsibility shall be continuous and not be limited to normal working hours. CLIENT agrees to require in all construction contracts for the project, provisions that CLIENT and CONSULTANT shall be defended and indemnified by the contractor and its subcontractors and named additional insureds on contractor's and subcontractor's insurance. Any statements of estimated construction costs furnished by CONSULTANT are based on professional opinions and judgment, and CONSULTANT will not be responsible for fluctuations in construction costs.
9. **SERVICES BY CLIENT.** CLIENT will provide access to site of work, obtain all permits, provide all legal services in connection with the project, and provide environmental impact reports and energy assessments unless specifically included in the scope of work. CLIENT shall pay the costs of checking and inspection fees, zoning application fees, soils engineering fees, testing fees, surveying fees, and all other fees, permits, bond premiums, and all other charges not specifically covered by the scope of work. CLIENT shall designate to CONSULTANT the location of all subsurface utility lines and other subsurface man-made objects (in this agreement collectively called "buried utilities") within the boundaries of the jobsite. CONSULTANT will conduct at CLIENT's expense such additional research as in CONSULTANT's professional opinion is appropriate to attempt to verify the location of buried utilities at the jobsite, but CLIENT shall remain responsible for the accurate designation of their location and, shall indemnify, defend, and hold CONSULTANT harmless from any claims or loss arising from the failure to accurately locate buried utilities.
10. **COMPLIANCE WITH LAWS.** CLIENT and CONSULTANT shall each use reasonable care in its efforts to comply with laws, codes, ordinances and regulations in force at the time of the performance by each under this agreement, insofar as such laws are applicable to a party's performance. Unless otherwise provided for in the scope of work of this agreement or by law, the responsibility for making any disclosures or reports to any third party, for notifying all governmental authorities of the discovery of hazardous materials on the jobsite, and for taking corrective, remedial, or mitigative action shall be solely that of CLIENT. It is CONSULTANT's belief that the work is not subject to California Prevailing Wage Law, unless expressly identified as such within the scope of work. Should it be alleged or determined that some or all of the work is subject to California's Prevailing Wage Law, then CLIENT shall reimburse CONSULTANT for the additional costs associated with CONSULTANT complying with those laws.
11. **USE OF DOCUMENTS.** Drawings, reports, writings and other original documents (documents) furnished by CONSULTANT are for the exclusive use of CLIENT and CONSULTANT retains all intellectual property rights including copyrights. Documents are furnished to CLIENT upon CLIENT's specific agreement that it assumes all liability

Standard Conditions (Page 2)

resulting from the further distribution of such documents, or any portion of them, and that CLIENT will indemnify CONSULTANT and hold it harmless against any claims associated with the unauthorized use of such documents. In no event will CLIENT or any person acting on its behalf edit, abridge, or modify any document prepared by CONSULTANT without CONSULTANT's express written consent.

12. **ELECTRONIC OR MAGNETIC DATA.** Documents provided by CONSULTANT in electronic or magnetic formats are provided under the following conditions unless detailed otherwise in the scope of work or by a written amendment. Documents are provided in CONSULTANT's standard software formats. CLIENT recognizes that electronic or magnetic data and its transmission can be easily damaged, may not be compatible with CLIENT'S software formats and systems, may develop inaccuracies during conversion or use, and may contain viruses or other destructive programs, and that software and hardware operating systems may become obsolete. As a condition of delivery of electronic or magnetic data, CLIENT agrees to defend indemnify and hold CONSULTANT, its subconsultants, agents and employees harmless from and against all claims, loss, damages, expense and liability arising from or connected with its use, reuse, misuse, modification or misinterpretation. In no event shall CONSULTANT be liable for any loss of use, profit or any other damage.
13. **TERMINATION.** This agreement may be terminated by either party by written notice should the other party fail substantially to perform its obligations under this agreement and continue such default after the expiration of a seven (7) day notice period. Either party may terminate this agreement without necessity of cause upon the expiration of a thirty (30) day notice period. If this agreement is terminated by CLIENT in the absence of default by CONSULTANT, CONSULTANT shall be paid for services performed and costs incurred by it prior to its receipt of notice of termination from CLIENT, including reimbursement for direct expenses due, plus an additional amount, not to exceed ten percent (10%) of charges incurred to the termination notice date, to cover services to orderly close the work and prepare project files and documentation, plus any additional direct expenses incurred by CONSULTANT including but not limited to cancellation fees or charges. CONSULTANT will use reasonable efforts to minimize such additional charges.
14. **PRECEDENCE OF CONDITIONS.** Should any conflict exist between the terms herein and the terms of any purchase order or confirmation issued by CLIENT, the terms of these Standard Conditions shall prevail in the absence of CONSULTANT's express written agreement to the contrary.
15. **ASSIGNMENT: SUBCONTRACTING.** Neither CLIENT nor CONSULTANT shall assign any of its rights including a right to sue, or delegate its duties under this agreement without the written consent of the other.
16. **FORCE MAJEURE.** Any delay or default in the performance of any obligation of CONSULTANT under this agreement resulting from any cause(s) beyond CONSULTANT's reasonable control shall not be deemed a breach of this agreement. The occurrence of any such event shall suspend the obligations of CONSULTANT as long as performance is delayed or prevented thereby, and the fees due hereunder shall be equitably adjusted.
17. **MERGER: WAIVER: SURVIVAL.** This agreement constitutes the entire and integrated agreement between the parties hereto and supersedes all prior negotiations, representations and/or agreements, written or oral. One or more waiver of any term, condition or other provision of this agreement by either party shall not be construed as a waiver of a subsequent breach of the same or any other provision. Any provision hereof which is legally deemed void or unenforceable shall not void this entire agreement and all other provisions shall survive and be enforceable.
18. **APPLICABLE LAW.** This agreement shall be interpreted and enforced according to the laws of the State of California. In the case of invalidity or unenforceability of any provision or portion thereof, the provision shall be rewritten and enforced to the maximum extent permitted by law to accomplish as near as possible the intent of the original provision. Nothing herein shall be construed to provide for indemnification against damages arising from a party's gross negligence or willful misconduct.

Mr. Jeff Cattaneo
San Benito County Water District
30 July 2020
Page 8

Basis of Compensation

Kennedy Jenks proposes that compensation for our services be on a time-and-expense reimbursement basis, with a not-to-exceed budget, in accordance with our standard professional services agreement attached, and our Schedule of Charges, dated January 1, 2020, attached. Payments are made monthly based on invoices which describe services and list actual costs and expenses.

Based on our estimate of services required, we propose a total budget of \$95,356, which will not be exceeded without authorization. A cost breakdown by task is tabulated below.

A summary of the fee by task is provided below. Kennedy Jenks will notify you prior to expenditure of 80% of the fee if the need for a fee increase is anticipated.

Task 1: Project Management and QA/QC	\$9,210
Task 2: Project Meetings and Conference Calls	\$7,202
Task 3: Development, Review and Approval of Protocol	\$20,655
Task 4: Planning and Setup of Tracer Tests	\$9,289
Task 5: Tracer Testing	\$22,922
Task 6: Data Analysis and Tracer Study Report Preparation	\$26,078
Total	\$95,356

Schedule

The proposed project schedule key milestones are listed below.

Milestone	Proposed Periods
Notice to Proceed	August 2020
Development, Review and Approval of Protocol	September 2020
Planning and Setup of Tracer Tests	September 2020
Tracer Testing @ 4 MGD	October 2020
Tracer Testing @ 1.5 MGD	November or December 2020
Data Analysis and Tracer Study Report Preparation	December 2020

Terms and Conditions

This scope of services is based on current projections of staff availability and costs and, therefore, is valid for 90 days following the date of this letter.

As appropriate, to assure a clear understanding of all matters related to our mutual responsibilities, the attached Standard Conditions dated January 1, 2017 are made a part of our agreement. We have found these terms to be appropriate for use with agreements for the provision of engineering and scientific services, and accordingly, should any conflict exist

**San Benito County Water District
Agenda Transmittal**

Agenda Item: 7

Meeting Date: August 26, 2020

Submitted By: Jeff Cattaneo

Presented By: Jeff Cattaneo

Agenda Title: Consider Awarding a Contract to Primex for West Hills and Lessalt Water Treatment Plants, SCADA Support for the Fiscal Year 2020/2021 and Authorize the District Manager to sign the contract (NTE \$47,430)

Detailed Description: Originally completed in 2008, the Hollister Urban Area Water and Wastewater Master Plan identified the need to build additional potable water treatment facilities for the Hollister urban area to mitigate the high hardness in the local groundwater. The initial project was to be in two phases, the first being the upgrade to the Lessalt Water Treatment Plant, and the second being the construction of a new West Hills treatment plant off Union Road.

With the completion of the West Hills Treatment Plant in July 2017 the District now has over \$40,000,000 invested in water treatment facilities. Both West Hills and Lessalt are automated through a Supervisory Control and Data Acquisition “SCADA” system allowing for remote operation of the processes. The continued and efficient operation of the treatment plants is entirely dependent on seamless operation of the SCADA system. Not unlike any other complicated system or operation, regular maintenance is required. Universally SCADA systems are designed and implemented through a SCADA integrator.

Primex the integrator for the original implementation of the West Hills treatment plant has presented a proposal for annual maintenance of the SCADA systems for both the West Hills and Lessalt treatment plants for the 2020/2021 fiscal year.

Primex will provide support and services for the maintenance the SCADA systems which includes SCADA systems controls, pump station controls, and communications to and from the treatment plants. Tasks include troubleshooting, repair and replacement of equipment as necessary. Primex and District staff have estimated that it will require an average of approximately 20-hours per month to accomplish all the required maintenance. Services will be initiated through requests by the District’s contract operator, Sunnyslope County Water District, and tracked through e-mail correspondence with the District’s Engineering Department.

The proposal from Primex for the 2020/2021 annual maintenance is \$47,430. Costs for SCADA support will be allocated to the annual operation and maintenance of the two treatment plants.

Materials Included: Proposal from Primex

Financial Impact: X Yes No

Funding Source/ Recap:

600-1351-0180-151-02 – Hollister Urban Area Water and Wastewater Master Plan

Recommendation: Approve the project authorization in the amount of \$47,430 and authorize the District Manager to execute a contract with Primex in the amount of \$47,430.

Action Required: _____Resolution _____X_____Motion _____Review

Board Action

Resolution No. _____ Motion By _____ Second By _____

Ayes _____ Abstained _____

Noes _____ Absent _____

Reagendized _____ Date _____ No Action Taken _____

SAN BENITO COUNTY WATER DISTRICT PROFESSIONAL SERVICES CONTRACT

THIS AGREEMENT, made and entered into this 26th day of August, 2020, by and between the San Benito County Water District, ("District,") and PRIMEX, ("Consultant").

- 1. Description of Project:** District desires to undertake SCADA support for the West Hills and Lessalt Water Treatment Plants for Fiscal Year 2020/2021 ("the project") and to engage Consultant to provide the required professional services relating to the project.
- 2. Scope of Services - Basic; Completion:** Consultant shall perform those basic services in connection with the project as are set forth more particularly in EXHIBIT "A" entitled "SCOPE OF CONSULTANT SERVICES - BASIC, COMPLETION SCHEDULE" and shall complete said services in accordance with the completion schedule for them incorporated in said Exhibit.
- 3. Scope of Services - Additional, Completion Schedule:** It is understood by District and Consultant that it may be necessary, in connection with the project, for Consultant to perform or secure the performance of services other than those set forth in EXHIBIT "A". In each such instance, Consultant shall advise the District, in advance and in writing, of the need for such additional services, their cost and the estimated time required to perform them (if applicable). Consultant shall not proceed to perform any such required additional services until District has determined that such service is beyond the scope of the basic services to be provided, is required, and has given written authorization to perform or obtain it. Each additional service so authorized shall constitute an amendment to this Agreement, shall be identified and sequentially numbered as "Additional Consultant Service Order No. 1" and so forth, shall be subject to all of the provisions of this Agreement, and shall be attached as EXHIBIT "D" entitled "SCOPE OF CONSULTANT SERVICES - ADDITIONAL; COMPLETION SCHEDULE."
- 4. Changes to Scope of Work - Basic Services:** District may at any time and, upon a minimum of ten (10) days' written notice, modify the scope of basic services to be provided under this Agreement. Consultant shall, upon receipt of said notice, determine the impact on both time and compensation of such change in scope and notify District in writing. Upon agreement between District and Consultant as to the extent of said impacts to time and compensation, an amendment to this Agreement shall be prepared describing such changes. Execution of the amendment by District and Consultant shall constitute the Consultant's notice to proceed with the changed scope.
- 5. Compensation; Retention:** Consultant shall be compensated for services rendered to District pursuant to this Agreement periodically in the amounts, manner and in accordance with the payment schedule as set forth in EXHIBIT "B" entitled "COMPENSATION." Amounts due to Consultant from District for services rendered shall be evidenced by the submission to District by Consultant of an invoice, prepared in a form satisfactory to District, setting forth the amount of compensation due for the period covered. Invoices, including the paid invoices of any subconsultants shall, at a minimum set forth the hours and hourly rates of each individual

charged to the Project for the invoice period. Compensation shall not include the cost of executive, administrative and other personnel whose time is not directly identifiable to the Project. Each such invoice shall be forwarded to District so as to reach it on or before the fifteenth (15th) day of the month next following the month or months, or other applicable period, for which the services invoiced were provided. All such invoices shall be in full accordance with any and all applicable provisions of this Agreement. District will make payment on each such invoice within thirty (30) days of its receipt, provided however that if Consultant submits an invoice which is incorrect, incomplete, or not in accordance with the provisions of this Agreement, then District shall not be obligated to process any payment to Consultant until a correct and complying invoice has been submitted.

6. Responsibility of Consultant: By executing this Agreement, Consultant warrants to District that Consultant possesses, or will arrange to secure from others, all of the professional capabilities, experience, resources and facilities necessary to provide to District the services contemplated under this Agreement. Consultant further warrants that it will follow the highest current, generally accepted professional care, skill, diligence and practices to make findings, render opinions, prepare factual presentations, and provide professional advice and recommendations regarding this project for which services are rendered under this Agreement and that the Consultant shall, at no cost to the District, re-perform services which fail to satisfy the foregoing Standard of Care.

7. Responsibility of District: To the extent appropriate to the project contemplated by this Agreement, District shall:

7.1 Assist Consultant by placing at its disposal all available information pertinent to the project, including previous reports and any other relevant data.

7.2 Guarantee access to and make all provision for Consultant to enter upon public and private property as required for Consultant to perform its services.

7.3 Examine all studies, reports, specifications, proposals and other documents prepared and presented by Consultant, and render verbally or in writing as may be appropriate, decisions pertaining thereto within a reasonable time so as not to delay the progress of the work by Consultant.

7.4 Designate in writing a person to act as District's representative with respect to work to be performed under this Agreement. Such person shall have complete authority to transmit instructions, receive information, interpret and define District's policies and decision with respect to materials, equipment, elements and systems pertinent to Consultant's services.

8. Indemnification: Consultant shall hold District, its officers, boards and commissions, and members thereof, its employees and agents (collectively "District"), harmless of and free from the negligent acts, errors and omissions of Consultant arising out of its performance of the services provided under this Agreement. Should District be named in any suit, or should any claim be made against District by suit or otherwise arising out of this Agreement, or

Consultant's negligent acts, errors and omissions in its performance of the services provided for by this Agreement, Consultant shall defend and indemnify the District for any judgment rendered against District or by any sums paid out in settlement or otherwise, but only to the extent caused by the negligent act, error or omission in the rendering of services under this contract.

9. Insurance: During the term of this Agreement, Consultant shall maintain in full force and effect at its own cost and expense the following insurance coverage:

9.1 Workers' Compensation Insurance to cover its employees, and Consultant shall require all contractors and subcontractors similarly to provide Workers' Compensation Insurance as required by the Labor Code of the State of California for all of the subcontractors' employees. Each Workers' Compensation policy shall be endorsed with the provision that it will not be canceled or altered without first giving thirty (30) days prior notice to the District by certified or registered mail.

9.2 Public Liability Insurance including personal injury and property damage insurance for all activities of the Consultant and its contractors and subcontractors arising out of or in connection with this contract, written on a comprehensive general liability form including, but not limited to, Broad Form Property Damage, blanket contractual, products liability and completed operations, hazards, vehicle coverage and non-owned auto liability coverage in an amount not less than ONE MILLION DOLLARS (\$1,000,000) combined single limit personal injury and property damage for each occurrence.

9.3 Professional Liability Insurance Covering Errors and Omissions. The limits of coverage shall be no less than ONE MILLION DOLLARS (\$1,000,000) with a provision for no more than \$25,000 deductible. Consultant may not disclaim responsibility or avoid liability for the acts or omissions of its subcontractors or other professional consultants.

9.4 Certificates of Insurance and properly executed endorsements in a form acceptable to the District Counsel evidencing the coverage required by the clauses set forth above shall be filed with the District at the time of execution of this agreement. Each such policy shall be endorsed with the following language:

(1) The San Benito County Water District is named as additional insured for all liability arising out of the operations by or on behalf of the named insured, and this policy protects the additional insured, its officers, agents, and employees against liability for personal and bodily injuries, deaths or property damage or destruction arising in any respect, directly or indirectly, in the performance of the contract.

(2) The insurance provided is primary and no other insurance held or owned by the District shall be called upon to contribute to a loss.

(3) The inclusion of more than one insured shall not operate to impair the rights of one insured against another insured, and the coverage afforded shall apply as though

separate policies had been issued to each insured.

(4) The coverage provided by this policy shall not be canceled, non-renewed, or substantially reduced in amount or scope, without thirty (30) days prior to written notice given to the District by certified mail.

(5) All rights of subrogation are hereby waived against the District, its officers and employees when acting within the scope of their appointment or employment.

10. Confidentiality: All District information disclosed to Consultant during the course of performance of services under this Agreement shall be treated as confidential and shall not be disclosed to any other persons or parties except as authorized by District, or by law.

11. Conflict of Interest: Consultant warrants that neither Consultant, nor any of its employees, agents or subcontractors, have a conflict of interest with respect to the work to be performed under this Agreement, nor shall such individuals, during this term of this Agreement, acquire any interest which would conflict in any manner with the performances of services hereunder.

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

13. Independent Contractor: District and Consultant agree that the relationship between them created by this Agreement is that of an employer-independent contractor. Consultant shall be solely responsible for the conduct and control of the work performed under this Agreement. Consultant shall be free to render professional consulting services to others during the term of this Agreement, so long as such activities do not interfere with or diminish Consultant's ability to fulfill the obligations established herein to District.

14. Commencement of Services: Consultant shall proceed with the project upon execution of this Agreement by the parties.

15. Notice to Proceed; Progress; Completion: Upon execution of this Agreement by the parties, District shall give Consultant written notice to proceed with the work. Such notice may authorize Consultant to render all of the services contemplated herein, or such portions or phases as may be mutually agreed upon. In the latter event, District shall, in its sole discretion, issue subsequent notices from time to time regarding further portions or phases of the work. Upon receipt of such notices, Consultant shall diligently proceed with the work authorized and complete it within the agreed time period.

16. Ownership of Documents: Title to all documents, drawings, specifications, and the like with respect to work performed under this Agreement shall vest with District at such time as District has compensated Consultant, as provided herein, for the services rendered by Consultant in connection with which they were prepared.

17. Designation of Key Personnel: The individuals specified in the attached EXHIBIT "C" shall provide the services set forth herein, and shall be the persons primarily in charge of such work. Prior to the provision of work by any other individuals on this project, such other individuals shall first be approved, in writing, by the District Manager or his designee.

18. Mistake of Fact: Each party understands that if any fact with respect to any matter covered by this Agreement is found hereafter to be other or different from the facts now believed by that party to be true, such party expressly accepts and assumes the risk of such possible differences in fact and agrees that this Agreement shall be in all respects effective and not subject to termination or rescission by reason of any such difference in facts.

19. Term; Termination: The term of this Agreement shall commence upon District's issuance to Consultant of a notice to proceed for all or a portion of the work, as herein above provided, and shall terminate upon District's acceptance and payment for all or such portion of the work as was authorized by such notice, including any and all retention. Notwithstanding the foregoing, District may, in its sole discretion, terminate this Agreement at any time and for any reason whatsoever by giving at least ten (10) days prior written notice of such termination to Consultant. In this latter event, Consultant shall be entitled to compensation for all services rendered and work performed for District to the date of such termination.

20. General Provisions:

20.1 Access to Records: Consultant shall maintain all books, records, documents, accounting ledgers, and similar materials relating to work performed for District under this Agreement on file for at least one (1) year following the date of final payment to Consultant by District. Any duly authorized representative(s) of District shall have access to such records for the purpose of inspection, audit and copying at reasonable times, during Consultant's usual and customary business hours. Consultant shall provide proper facilities to District's representative(s) for access and inspection. Consultant shall be entitled to reasonable compensation for time and expenses relate to such access and inspection activities, which shall be considered to be an additional service to the District, falling under the provisions of SECTION 4 herein above.

20.2 Assignment: This Agreement is binding on the heirs, successors, and assigns of the parties hereto and shall not be assigned by either District or Consultant without the prior written consent of the other. Any attempt by Consultant to so assign this Agreement or any rights, duties or obligations arising hereunder shall be void and of no effect.

20.3 Compliance with Laws, Rules, Regulations: All services performed by Consultant pursuant to this Agreement shall be performed in full compliance with all applicable federal, state, and District laws, including any rules, standards or regulations promulgated thereunder.

20.4 Exhibits Incorporated: All Exhibits referred to in this Agreement and attached to it are hereby incorporated in it by this reference.

20.5 Integration; Amendment: This Agreement represents the entire understanding of District and Consultant as to those matters contained herein. No prior oral or written understanding shall be of any force or effect with respect to those matters covered in it. This Agreement may not be modified or altered except by amendment in writing sign by both parties.

20.6 Waiver/Validity: Consultant agrees that waiver by District of any one or more of the conditions of performance under this Agreement shall not be construed as waiver of any other condition of performance under this Agreement. The acceptance by the District of the performance of any work or services by Contractor shall not be deemed to be a waiver of any term or condition of this Agreement.

21. Jurisdiction: District and Consultant agree that the law governing this Agreement shall be that of the State of California. Any suit brought by either party against the other arising out of the performance of this Agreement shall be filed and maintained in the Municipal or Superior Court of the County of San Benito. If any part of this Agreement is found to be in conflict with applicable laws, such part shall be inoperative, null, and void insofar as it is in conflict with said laws, but the remainder of the Agreement shall continue to be in full force and effect.

22. Attorney's Fees: In the event any dispute between the parties hereto arising from or relating to this Agreement shall result in litigation, the prevailing party shall be entitled to all reasonable costs, including, but not limited to, actual attorney's fees.

23. Notice: Any notices, required to be given pursuant to this Agreement, shall be deemed to have been given by their deposit, postage prepaid, in the United States Postal Service, addressed to the parties as follows:

- a. To District : San Benito County Water District
 P. O. Box 899
 Hollister, CA 95024-0899
- b. To Consultant: PRIMEX
 859 Cotting Court, Suite G
 Vacaville, CA 95688

Nothing hereinabove shall prevent either District or Consultant from personal deliver of any such notices to the other party.

IN WITNESS WHEREOF, the parties hereto have made and executed this Agreement the day and year first above written.

District:

CONSULTANT:

By: _____

By: _____

Title

Title

Date

Date

EXHIBIT A
Scope

EXHIBIT B
Compensation



859 Cotting Ct. Ste G
Vacaville, CA 95688

www.primexcontrols.com

Phone 707.449.0341
Fax 707.449.6333

Date: 7/6/2020
To: San Benito County Water District
Attention: Jeff Cattaneo
From: Michael Anderson

PRIMEX Quote # 200706MA02
Regarding: SBCWD West Hills/Lessalt Control Systems Service Contract for Fiscal Year 2020 - 2021
Terms: NTE T&M

This estimate details all materials and services we intend to provide for the above referenced project.
Be sure to reference General Notes following the scope listing.
This proposal expires 45 days after the date noted above.

Scope of Work			
Item #	Qty.	Description	Line Item Price
1	1	Scope of Work	\$ 47,430.00

Provide support and services for the maintenance of the West Hills and Lessalt Treatment Plants control systems, which includes: SCADA system, pump station controls, and pump station communications. Tasks include, but aren't limited to troubleshooting, testing, programming, repair and replacement of equipment, and updating programs and documentation. Services may be initiated on an informal basis using email correspondence to keep track of requests. We will obtain permission from Sunnyslope County Water District, Garrett Haertel, or Jeff Cattaneo before beginning any work.

Payment

The total fee for the service contract shall not exceed \$47,430.00. At the end of each month, we will submit an invoice for services performed during the preceding month. The invoice will include a description of the services performed, the dates of service, the number of hours worked and by whom, and payment due. If the services are satisfactorily completed and the invoice is accurately computed, the District will pay the invoice within 30 days of its receipt.

Term

This agreement will take effect once we've received an authorized Purchase Order for this quote and continue in effect until June 30, 2021.

Price quoted at preferred rates. Contingent on acceptance of this support agreement.

The total price for the scope of work above is: \$ 47,430.00

General Notes:

1. Prices estimated above **include** sales tax and travel to the jobsite.
2. Terms and Conditions of sale: Upon PRIMEX approval of customer credit, PRIMEX will extend 30-day payment terms on invoices for deliverables provided per this scope of work. Deliverables are FOB – PRIMEX Vacaville, CA, with freight allowed (unless specifically noted otherwise in this proposal). Customer may accept this proposal by signature here-on, or by separate purchase order.

Please call or email with any questions.

Sincerely,

Michael Anderson

This scope of work is the property of PRIMEX and is provided only for the use of prospective customers who have received this document directly from PRIMEX.



Agenda

Item

8

RESOLUTION NO. 2020-14

**A RESOLUTION OF THE BOARD OF DIRECTORS OF
THE SAN BENITO COUNTY WATER DISTRICT
AUTHORIZING EXECUTION AND DELIVERY
OF CONTRACT FOR CONVEYANCE OF NON-PROJECT
WATER BETWEEN THE UNITED STATES AND SAN BENITO COUNTY
WATER DISTRICT**

WHEREAS, San Benito County Water District (District) is a contractor for supplemental water through the Central Valley Project; and

WHEREAS, for the water year commencing March 1, 2020, Reclamation has made an allocation of 20% of the full contract amount for agricultural water, and 70% of historical use for Municipal and Industrial water; and

WHEREAS, the amount allocated is insufficient to meet the needs of Zone 6; and

WHEREAS, additional water supply for Zone 6 helps to ensure continued economic benefit of the San Felipe project to the region; and

WHEREAS, District's execution of the Yuba 2015-2025 Transfer Activity Agreement was approved in November 2014 and it allows for conveyance of Non-Project Water acquired by District.

NOW, THEREFORE BE IT RESOLVED that the Board of Directors of the San Benito County Water District authorize the Board President to execute a Power Letter of Agreement (PLOA) for Fiscal Year 2019 Energy Cost and Fees-Replacement of CVP Electrical Power (Energy) and Fees Incurred for Storage and/or Conveyance of Yuba Water in Project Facilities (Non-Project Water) Contract 18-WC-20-5318 with the United States.

PASSED AND ADOPTED this 26th day of August 2020 at a Regular Board Meeting by the following vote:

AYES: DIRECTORS:

NOES: DIRECTORS:

ABSENT: DIRECTORS:

ABSTAIN: DIRECTORS:

John Tobias President

ATTEST:

Sara Singleton
Assistant Manager

CERTIFIED RESOLUTION

I, Sara Singleton, board secretary of the San Benito County Water District, do hereby certify that the following is a true and correct copy of a resolution duly adopted at the regular meeting of the Board of Directors, duly held on August 26, 2020. This resolution has not been modified, rescinded or revoked and is at present in full force and effect.

In Witness whereof, the undersigned has affixed her signature and the corporate seal.

Sara Singleton
Assistant Manager/Board Secretary

Date of signature



United States Department of the Interior



BUREAU OF RECLAMATION

RECEIVED
Interior Region 10 California-Great Basin
1243 N Street

Fresno, CA 93721

IN REPLY REFER TO:

TO-442

2.2.4.22

AUG 07 2020

SAN BENITO COUNTY
WATER DISTRICT

JUL 30 2020

Power Letter of Agreement
Contract No. 18-WC-20-5318

Board of Directors
San Benito County Water District
P.O. Box 899
Hollister, California 95024

Subject: *Fiscal Year 2019 Energy Cost and Fees – Power Letter of Agreement – Replacement of CVP Electrical Power (Energy) and Fees Incurred for Storage and/or Conveyance of Yuba Water in Project Facilities (Non-Project Water) – Water Years 2018-2023 – San Felipe Division and San Luis Unit – Central Valley Project (CVP)*

Dear Board Members:

This Power Letter of Agreement (PLOA) No. 18-WC-20-5318 between the Bureau of Reclamation (Reclamation) and San Benito County Water District (District) is entered into pursuant to subdivision (g) of Article 3 of Contract No. 18-WC-20-5302 (Contract) entitled, *“Temporary Contract Between the United States and San Benito County Water District Providing for Multi-Year Storage and/or Conveyance of Non-Project Water.”* Subdivision (g) of Article 3 states if electrical power is required to convey or pump the Non-Project Water into, through, or from Project Facilities, the District will, “prior to the introduction, conveyance, storage, and delivery of any Non-Project Water, enter into a letter of agreement with the United States that provides for the payment of all actual energy costs and fees incurred in the introduction, conveyance, storage, and delivery of the Non-Project Water.”

The District is required to: either secure sufficient energy from an energy provider to cover all necessary energy to deliver the District’s Non-Project Water through Federal and non-Federal facilities and provide proof of said energy purchase to Reclamation prior to any delivery, or replace the Market Rate value of the CVP Energy used to convey the Non-Project Water including any associated Balancing Authority uplift charges incurred from the California Independent System Operator (CAISO) and any other associated charges passed to Reclamation caused by the conveyance of Non-Project Water to the District.

Background: Pursuant to the Act of June 17, 1902, (32 Stat. 388), and acts amendatory thereof or supplementary thereto, including the Act of February 21, 1911, Section 14 of the Reclamation Project Act of August 4, 1939, (53 Stat. 1187), (36 Stat. 925), Section 305 of the Reclamation States Emergency Drought Relief Act of 1991, enacted March 5, 1992 (106 Stat. 59) and Title XXXIV of the Act of October 30, 1992 (106 Stat. 4706), Reclamation may enter into a Contract with the District for the conveyance of Non-Project Water. The Contract provides for the annual conveyance of up to 800 acre-feet (AF) of the District’s Non-Project Water supply, commonly known as Yuba Accord water into Federal facilities during the period of July 1, 2018 through June 30, 2023.

The Non-Project Water will be delivered to the District through Federal conveyance facilities of the Delta-Mendota and San Luis Canal milepost or other location(s) mutually agreed to in writing by the

Contracting Officer and the Contractor. CVP Energy is not available to the District for conveyance of the Non-Project Water pursuant to the Contract.

Forecast: The District shall submit a schedule of projected Non-Project Water deliveries in accordance with subdivision (d) of Article 3 of the Contract. Reclamation will forecast the cost of energy to convey the Non-Project Water to District's existing turnouts based on District's current estimated schedule. No later than two months in advance prior to the introduction of Non-Project Water into Federal Facilities full payment of the rates stated for the amount of Non-Project Water scheduled to be conveyed must be remitted. District will submit schedules of Non-Project Water delivery for subsequent years of the Contract using the forecast methodology described herein.

1. Forecast Efficiency Factors: Estimated energy use will be based on the pumping efficiency factors of the pumps moving the water. This amount can be based on an individual pump or cumulatively based on the use of several pumps dependent upon the Non-Project Water's point of origin and point of delivery. Reclamation will use the below listed average megawatt hour per acre-foot (MWh/AF) efficiency factors established for any Non-Project Water delivery pursuant to this PLOA:

Jones	0.238 MWh/AF
Banks	0.298 MWh/AF
CA Aqueduct-DMC Intertie (DCI)	0.071 MWh/AF
O'Neill	0.059 MWh/AF
San Luis	0.300 MWh/AF
Dos Amigos	0.138 MWh/AF
Pacheco	0.250 MWh/AF

2. Forecasted Energy Price: Reclamation will use an estimated \$50/(MWh) to forecast the cost of energy and associated costs.
3. Forecast Calculation Methodology: (Jones + O'Neill + San Luis + Pacheco) * Energy Price * Water Amount
4. Forecast: $(0.238 + 0.059 + 0.300 + 0.250) \text{ MWh/AF} * \$50/\text{MWh} * 800 \text{ AF/year}$
 $= \$33,880/\text{year}$
 $= \$169,400/5\text{-years}$

Deposit: An account will be established for reimbursement of the direct power expense Reclamation incurs to purchase replacement market power and associated CAISO costs. Upon execution of this PLOA, District will submit an initial deposit of five thousand dollars (\$5,000.00).

Account True-Up: Each fiscal year Reclamation will provide a forecast for the upcoming fiscal year and a true-up of the account to reflect the calculated monthly average efficiency factors, the actual monthly usage of each pumping plant, the actual monthly average on-peak energy price, and related CAISO costs.

1. True-Up Efficiency Factors: Reclamation will use calculated monthly average efficiency factor(s) for any pumps utilized to deliver the Non-Project Water. Calculations will be based on measurements of energy consumed or generated and water pumped or released each month.

2. True-Up Energy Price: Reclamation will determine the energy price using Western Area Power Administration's (WAPA) monthly average on-peak energy purchase price.
3. True-Up Calculation Methodology: The sum of each months calculated value per facility utilized, as calculated below:

Facility True-Up Efficiency Factor (MWh/AF) * True-Up Energy Price (\$/MWh) *
Non-Project Water conveyed by Facility (AF/year)

4. Balancing Authority and Transmission Costs: All other associated costs incurred by Reclamation, due to the scheduling of energy for the Non-Project Water conveyance, will be allocated to District and charged to the established reimbursable account. Because of settlement times within CAISO, these costs may not be available to Reclamation for up to 120 days following the water conveyance. Any unexpended fund balance remaining on deposit in the account at the termination of this PLOA will be refunded to District or transferred to any other LOA District may have. Conversely, any deficit will be collected from District.

In the event Non-Project Water is conveyed through Banks, the District shall be subject to all costs being passed to Reclamation associated with the delivery of Non-Project Water through any non-Federal facility (i.e., conveyance charges, water conveyance losses).

Generation Energy Credit: Credit will be given for the value of energy generated by Non-Project Water at both the San Luis and O'Neill Facilities each fiscal year, up to but not more than the value of energy consumed within the same fiscal year.

If the conveyance of Non-Project Water causes power generation at either the San Luis or O'Neill Facilities, WAPA receives the generated energy. Therefore, the District would owe the difference in value of "pump energy" consumed and "generation energy" returned to WAPA, plus the full amount of CAISO related costs associated with pumping.

Payments: Payments to the Bureau of Reclamation for the Market Rate of CVP Energy used to convey and/or store Non-Project Water are as follows:

1. An initial deposit of \$5,000.00, as described above (see **Deposit** article above.)
2. After the Account True-Up process is complete a detailed accounting and final bill reflecting any outstanding amount due will be sent to the District. The payment of this bill is due no later than the 15th of July following the end of the water year.

Term: This PLOA will become effective on the date counter-signed below and shall remain in effect through fiscal year 2021.

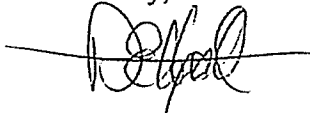
Please sign the enclosed PLOA documents and return one signed original, along with the deposit of ten thousand seven hundred sixty dollars and twenty cents (\$10,760.20) for fiscal year 2019 energy cost and fees due (\$44,640.20 minus \$33,880 payment received) and a copy of the Board Resolution authorizing the appropriate official to execute this PLOA on behalf of the District to the following address:

Bureau of Reclamation
SCCAO-Tracy Office
Attention: M. Cathy James (TO-442)
16650 Kelso Road
Byron, California 94514

The \$10,760.20 deposit is to be made payable to the Bureau of Reclamation. Please reference Contract No. 18-WC-20-5302 on your remittance which will ensure the funds are applied to the appropriate account.

If you have any questions please contact Ms. M. Cathy James at 209-836-6279 or by electronic mail at mjames@usbr.gov. Contact Mr. Wes Harrison, Central Valley Operations Office, at 916-979-2448 or by electronic mail at jharrison@usbr.gov, if you have power-related questions.

Sincerely,



Mr. David Hyatt
Chief, Resources Management Division

In Duplicate

On behalf of the San Benito County Water District I concur with the foregoing:

Authorizing Official Signature

Date

Authorizing Official Name (Print)

Authorizing Official Title (Print)

cc: Mr. Pablo Arroyave
San Luis & Delta-Mendota Water Authority
15990 Kelso Road
Byron, CA 94514



San Benito County Water District

30 Mansfield Road • P.O. Box 899 • Hollister, CA 95024-0899
Phone: (831) 637-8218 • Fax: (831) 637-7267

TO: Board of Directors
District Counsel
Interested Parties

FROM: Barbara Mauro
Board Clerk

A handwritten signature in dark ink, appearing to be "B. Mauro", written over the printed name and title.

DATE: August 21, 2020

SUBJECT: Agenda Item #9, Discuss and Consider date for the
Regular Board Meeting in September due to the
cancellation of the San Benito County Fair

There are not materials for this agenda item.