

**AGENDA FOR THE REGULAR MEETING OF THE  
BOARD OF DIRECTORS OF THE  
TEMESCAL VALLEY WATER DISTRICT  
OCTOBER 27, 2020, 8:30 A.M. AT  
THE DISTRICT'S ADMINISTRATIVE OFFICE  
22646 TEMESCAL CANYON ROAD,  
TEMESCAL VALLEY, CALIFORNIA 92883**

**THIS MEETING WILL BE HELD VIA TELECONFERENCE ONLY AS  
PERMITTED BY GOVERNOR'S EXECUTIVE ORDER N-29-20.**

The following is a summary of the rules of order governing meetings of the Temescal Valley Water District Board of Directors:

**AGENDA ITEMS**

In case of an emergency, items may be added to the Agenda by a majority vote of the Board of Directors. An emergency is defined as a work stoppage; a crippling disaster; or other activity, which severely imperils public health, safety or both. Also, items, which arise after the posting of Agenda, may be added by a two-thirds vote of the Board of Directors.

**PUBLIC COMMENT**

Persons wishing to address a matter not on the Agenda may be heard at this time; however, no action will be taken until placed on a future agenda in accordance with Board policy.

**NOTICE TO PUBLIC**

All matters listed under the Consent Calendar will be voted upon by one motion. There will be no separate discussion of these items, unless a Board Member or member of the public requests that a particular item(s) be removed from the Consent Calendar, in which case, they will be considered separately under New Business.

**IF ANYONE WISHES TO SPEAK WITH THE BOARD  
ABOUT ANY CONSENT CALENDAR MATTER(S),  
PLEASE STATE YOUR NAME, ADDRESS,  
AND APPROPRIATE ITEM NUMBER(S).**

**AFFIDAVIT OF POSTING**

I, Allison Harnden, Office Manager of the Temescal Valley Water District, hereby certify that I caused the posting of the Agenda at the District office at 22646 Temescal Canyon Road, Temescal Valley, California 92883 before October 24, 2020.

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Allison Harnden, Office Manager

**AGENDA FOR REGULAR MEETING  
October 27, 2020**

**Page No.**

1. **Roll Call and Call to Order.**
2. **Presentations and Acknowledgments.**
3. **Public Comment.** If you would like to become an Attendee of the online Zoom Meeting click this link [https://dudek.zoom.us/webinar/register/WN\\_K7\\_Ccie7SUCtDWusOpuDXw](https://dudek.zoom.us/webinar/register/WN_K7_Ccie7SUCtDWusOpuDXw). To be called on for Public Comment please raise your hand. Questions can be submitted through the Q&A option.

**BOARD ITEMS:**

4. **Minutes of the September 29, 2020 Regular Meeting.** **6-9**  
**RECOMMENDATION:** Approve Minutes as written.
5. **Payment Authorization Report.** **10-12**  
**RECOMMENDATION:** Approve Report and authorize payment of the September 29-October 27, 2020 invoices.
6. **Revenue & Expenditure Reports. (Unaudited).** **13-32**
  - a. Revenue & Expenditure Reports.**RECOMMENDATION:** Note and file.
7. **Trilogy Development.**
  - a. Homeowners Association update. (-)
  - b. Golf Course update. (-)
8. **Sycamore Creek Development.**
  - a. Project Update. (-)
  - b. 1735 homes to be built. 1732 houses occupied to date. 99% complete.

	<u>Page No.</u>
<b>9. Retreat Development.</b>	(-)
a. Project Update.	
<b>10. Terramor Development (Forestar Toscana).</b>	
a. Project Update.	(-)
b. 1443 homes to be built. 551 houses occupied to date. 38% complete.	
<b>11. Harmony Grove (Griffin Homes).</b>	(-)
a. Project Update.	
b. 50 homes to be built. 40 houses released to date.	
<b>12. Water Utilization Reports.</b>	<b>33-45</b>
<b>RECOMMENDATION:</b> Note and file.	
<b>13. Sustainable Groundwater Management Act.</b>	(-)
a. Project Update.	
<b>14. Committee Reports.</b>	
a. Finance/Legislation (Director Rodriguez).	(-)
b. Engineering/Operations (Director Myers).	(-)
c. Public Relations (Allison Harnden).	(-)
<b>15. General Manager's Report.</b>	
a. General Manager's Report.	<b>46</b>
b. Pacific Hydrotech Corporation Payment Request #11.	<b>47-62</b>
<b>RECOMMENDATION:</b> Authorize the payment of \$902,077.25 to Pacific Hydrotech as well as a retention payment of \$47,477.75 to be deposited into an Escrow Account for a total of \$949,555.00.	

	<u>Page No.</u>
<b>16. Operations Report.</b>	<b>63-65</b>
a. Water and Sewer Operations.	
<b>17. District Engineer’s Report.</b>	<b>66-67</b>
a. Status of Projects.	
b. Knabe Road Potable Waterline Change Order.	<b>68-78</b>
<b>RECOMMENDATION:</b> Ratify the change order in the amount of \$49,479.04, increasing the total project budget to \$298,753.04.	
<b>18. District Counsel’s Report.</b>	<b>(-)</b>
<b>19. Seminars/Workshops.</b>	<b>(-)</b>
<b>20. Consideration of Correspondence.</b>	<b>79</b>
An informational package containing copies of all pertinent correspondence for the Month of September will be distributed to each Director along with the Agenda.	
<b>21. Adjournment.</b>	<b>(-)</b>

**MINUTES OF THE  
REGULAR MEETING OF THE  
TEMESCAL VALLEY WATER DISTRICT**

**September 29, 2020**

**PRESENT**

C. Colladay  
P. Rodriguez  
J. Butler  
D. Harich  
F. Myers

**ABSENT**

**GUESTS**

T. Davis

**STAFF**

J. Pape  
A. Harnden  
M. McCullough  
J. Scheidel  
P. Bishop  
D. Saunders

**1. Roll Call and Call to Order.**

The regular meeting of the Temescal Valley Water District was called to order by President Colladay at 8:30 a.m.

**2. Presentations and Acknowledgments.**

**3. Public Comment.**

**BOARD ITEMS:**

**4. Minutes of the August 25, 2020 Regular Meeting.**

**ACTION:** Director Rodriguez moved to approve the minutes as written. Director Harich seconded. Motion carried unanimously.

**5. Payment Authorization Report.**

**ACTION:** Director Rodriguez moved to approve the August 25-September 29, 2020 invoices. Director Butler seconded. Motion carried unanimously.

**6. Revenue & Expenditure Reports. (Unaudited).**

a. Revenue & Expenditure Reports.

**ACTION:** Note and file.

**7. Trilogy Development.**

a. Homeowners Association update.

b. Golf Course update.

**8. Sycamore Creek Development.**

- a. Project Update.
- b. 1738 homes to be built. 1721 houses occupied to date. 99% complete.

**9. Retreat Development.**

- a. Project Update.

**10. Terramor Development (Forestar Toscana).**

- a. Project Update.
- b. 1443 homes to be built. 532 houses occupied to date. 37% complete.

**11. Harmony Grove (Griffin Homes).**

- a. Project Update.
- b. 50 estimated homes to be built. 42 houses released to date.

**12. Water Utilization Reports.**

**ACTION:** Note and file.

**13. Sustainable Groundwater Management Act.**

- a. Project Update.

**14. Committee Reports.**

- a. Finance/Legislative (Director Rodriguez) – Director Rodriguez asked staff to schedule a Zoom meeting with Chandler Investments.
- b. Engineering/Operations (Director Myers).
- c. Public Relations (Allison Harnden) – Allison reported that staff is working with delinquent customers to ensure they do not fall too far behind because of COVID.

**15. General Manager's Report.**

- a. General Manager's Report – The General Manager reported on current projects.
- b. Pacific Hydrotech Corporation Payment Request #10.  
**ACTION:** Director Rodriguez moved to authorize the payment of \$988,175.75 to Pacific Hydrotech as well as a retention payment of \$52,009.25 to be

deposited into an Escrow Account for a total of \$1,040,185. Director Myers seconded. Motion carried unanimously.

c. Proposal from Vulcan Industries, Inc. for a multi-rake bar screen for \$156,657.87.

**ACTION:** Director Rodriguez moved to approve amendment. Director Harich seconded. Motion carried unanimously.

d. Unified Field Services Corporation Trilogy Tank Exterior Painting Payment.

**ACTION:** Director Myers moved to approve the payment to the contractor in the amount of \$89,813.00 as well as a retention payment of \$4,727.00 until the filing and recordation of a Notice of Completion for a total of \$94,540.00. Director Rodriguez seconded. Motion carried unanimously.

e. Purchasing Policy – For Discussion Only.

**16. Operations Report.**

a. Water and sewer operations.

**17. District Engineer's Report.**

a. Status of Projects.

**18. District Counsel's Report.**

**19. Seminars/Workshops.**

**20. Consideration of Correspondence.**

An informational package containing copies of all pertinent correspondence for the Month of August will be distributed to each Director along with the Agenda.

**21. Adjournment.**

There being no further business, the September 29, 2020 Regular Meeting of the Temescal Valley Water District Board of Directors was adjourned at 9:49 a.m. by President Colladay.



**ATTEST:**

**APPROVED:**

\_\_\_\_\_  
Paul Rodriguez, Secretary

\_\_\_\_\_  
Charles Colladay, President

Date: \_\_\_\_\_

Date: \_\_\_\_\_

TEMESCAL VALLEY WATER DISTRICT  
 Payment Authorization Report  
 October 27, 2020

Check #	Date	Payee ID	Payee	Amount	
24564	9/29/20	CO	CHARLES W. COLLADAY	\$ 301.07	
24565	9/29/20	DH	DAVID HARICH	243.87	
24566	9/29/20	FM	FRED H. MYERS	243.87	
24567	9/29/20	JB	JOHN B. BUTLER	246.37	
24568	9/29/20	RO	PAUL RODRIGUEZ	246.37	
24569	10/2/20	AD	PAYROLL	-	
24570	10/2/20	AS	PAYROLL	-	
24571	10/2/20	BE	PAYROLL	-	
24572	10/2/20	CL	PAYROLL	-	
24573	10/2/20	DB	PAYROLL	-	
24574	10/2/20	JH	PAYROLL	-	
24575	10/2/20	KN	PAYROLL	-	
24576	10/2/20	LK	PAYROLL	-	
24577	10/2/20	MM	PAYROLL	-	
24578	10/2/20	PB	PAYROLL	-	
24579	10/2/20	FI01	FIDELITY INVESTMENTS	700.00	
24580	10/2/20	FI01	FIDELITY INVESTMENTS	911.39	
24581	10/2/20	FI01	FIDELITY INVESTMENTS	747.00	
24582	10/2/20	FI01	FIDELITY INVESTMENTS	700.00	
24583	10/2/20	ACSI	ALEXANDER'S CONTRACT SERVICES, INC.	5,686.70	
24584	10/2/20	CHAC	CALIFORNIA HIGHWAY ADOPTION CO.	315.00	
24585	10/2/20	DU01	DUDEK & ASSOCIATES-CONTRACT MGT	21,548.00	
24586	10/2/20	DU03	DUDEK & ASSOCIATES-PASS THRU	2,960.00	
24587	10/2/20	DWEI	VOID	-	
24588	10/2/20	IW	ICONIX WATERWORKS INC	154.65	
24589	10/2/20	Maxim	Maxim Security Services	1,288.09	
24590	10/2/20	MU01	WILLDAN FINANCIAL SERVICES	10,613.86	CFD ADMIN FEE
24591	10/2/20	RMAG	RMA GROUP	10,594.35	CAP-PLT EXPAN INSP
24592	10/2/20	SAQMDHB	SOUTH COAST AIR QUALITY MGT DIST	557.42	
24593	10/2/20	TCBC	THE CHAMELEON BEVERAGE CO.	2,642.00	
24594	10/2/20	WA01	WASTE MANAGEMENT - INLAND EMPIRE	294.04	
24595	9/30/20		EDUARDO LOPEZ	100.00	
24596	10/2/20	DZ	DEZURIK	17,731.34	REPLACE RW CHK VAL
24597	10/2/20	SO03	SOUTHERN CALIF EDISON CO.	66,287.23	
24598	10/2/20	USB01	US BANK GOVERNMENT SERVICES	412.40	
24599	10/2/20	REFUND	GLEN IVY HOT SPRINGS-DEPOSIT	25,000.00	SEWER CAPACITY DEPOSIT
24600-24608	10/2/20		VOID	-	
24609	10/2/20	SWRCB	STATE WATER RESOURCES CONTROL BOARD	110.00	
24610	10/13/20	DH	DAVID HARICH-FIN MTG	243.87	
24611	10/13/20	RO	PAUL RODRIGUEZ-FIN MTG	246.37	
24612	10/16/20	AD	PAYROLL	-	

TEMESCAL VALLEY WATER DISTRICT  
Payment Authorization Report  
October 27, 2020

Check #	Date	Payee ID	Payee	Amount	
24613	10/16/20	AS	PAYROLL	-	
24614	10/16/20	BE	PAYROLL	-	
24615	10/16/20	CL	PAYROLL	-	
24616	10/16/20	DB	PAYROLL	-	
24617	10/16/20	JH	PAYROLL	-	
24618	10/16/20	KN	PAYROLL	-	
24619	10/16/20	LK	PAYROLL	-	
24620	10/16/20	MM	PAYROLL	-	
24621	10/16/20	PB	PAYROLL	-	
24622	10/16/20	REFUND	LAURA WILLS	300.00	
24623	10/16/20	REFUND	KATIE KNIGHT	250.00	
24624	10/12/20	REFUND	TAMI BUTLER	186.88	
24625	10/16/20	REFUND	MELANIE ANAYA	131.73	
24626	10/16/20	REFUND	BROOKE LOURENCO	136.14	
24627	10/16/20	REFUND	JOHN MARTINEZ	159.97	
24628	10/16/20	REFUND	KARRI YEE	135.71	
24629	10/16/20	REFUND	AIMAN ASSAF	124.46	
24630	10/16/20	CESI	CENTERE ELECTRIC SERVICES INC.	1,140.00	
24631	10/16/20	CM01	CORE & MAIN	1,215.10	
24632	10/16/20	DSC	DATABASE SYSTEMS CORP.	379.59	
24633	10/16/20	DU01	DUDEK & ASSOCIATES-CONT MGT	19,121.00	
24634	10/16/20	DU02	DUDEK & ASSOCIATES-SPECIAL PJTS	4,166.00	
24635	10/16/20	DU03	DUDEK & ASSOCIATES-PASS THRU	2,220.00	
24636	10/16/20	DU04	DUDEK & ASSOCIATES-ENGINEERING	14,948.10	
24637	10/16/20	DWEI	DEXTER WILSON ENGINEERING INC	8,486.25	CAP-PLT EXPAN ENGINEERING
24638	10/16/20	GMDM	GUTIRREZ MAINTENANCE/ DANIEL GUTIERREZ	350.00	
24639	10/16/20	GR08	GRISWOLD INDUSTRIES (CAL-VAL)	6,024.23	RETRO CLAVAL HIGHER PRESSURE
24640	10/16/20	HES	HOLLOWAY ENVIRONMENTAL SOLUTIONS	5,812.46	SLUDGE REMOVAL
24641	10/16/20	HO01	HOME DEPOT CREDIT SERVICES	317.61	
24642	10/16/20	HWS	HYDROCURRENT WELL SERVICES LLC	8,100.32	REPAIR WELL #2/COVER FOR SUMP WELL
24643	10/16/20	ICL	IB CONSULTING, LLC	15,600.00	RATE STUDY
24644	10/16/20	KE02	KEN'S LOCK - WEST COAST LOCK & SUPPLY	763.50	
24645	10/16/20	MCCO	MUROW CM	21,480.00	CAP-PLT EXPAN CM
24646	10/16/20	PLM01	PARRA LANDSCAPE MAINTENANCE	650.00	
24647	10/16/20	RMAG	RMA GROUP	3,121.35	
24648	10/16/20	SEMA	SEMA INC.	1,258.05	
24649	10/16/20	ST01	STAPLES CREDIT PLAN	568.99	
24650	10/16/20	ST02	STATE COMPENSATION INSUR.FUND	1,983.08	
24651	10/16/20	UN01	UNDERGROUND SERVICE ALERT	127.72	
24652	10/16/20	WA01	WASTE MANAGEMENT - INLAND EMPIRE	674.85	
24653	10/16/20	WE01	WESTERN MUNICIPAL WATER DISTR.	13,685.50	

TEMESCAL VALLEY WATER DISTRICT  
 Payment Authorization Report  
 October 27, 2020

Check #	Date	Payee ID	Payee	Amount	
24654	10/16/20	XP	XYLEM	12,604.93	RENTAL GENERATOR/PARTS
24655	10/16/20	FM	FRED H. MYERS-ENG MTG	243.87	
24656	10/16/20	JB	JOHN B. BUTLER-ENG MTG	246.37	
24657	10/16/20	EL	EDUARDO LOPEZ-TRK MAINT	100.00	
24658	10/16/20	REFUND	MOHAMMAD NEJAD	102.52	
Total				\$ 318,041.54	

THESE INVOICES ARE SUBMITTED TO THE  
 TEMESCAL VALLEY BOARD OF DIRECTORS FOR  
 APPROVAL AND AUTHORIZATION FOR PAYMENT

*Mel McCullough - Finance Manager*

\_\_\_\_\_  
 Mel McCullough - Finance Manager

10/27/20

\_\_\_\_\_  
 Date

**TEMESCAL VALLEY WATER DISTRICT**  
**INTERNAL BALANCE SHEET**  
**30-Sep-20**

ASSETS

Fixed Assets (net of accumulated depreciation)		
Land	\$	902,118
Treatment Plants		13,020,520
Capacity Rights		13,503,639
Water System, Reservoir & Wells		8,321,458
Water & Sewer Mains		31,170,205
General Equipment Sewer/Water/ Furniture		579,920
Buildings & Entrance Improvements		307,243
		\$ 67,805,102
Current Assets		
Cash - Wastewater	8,653,956	
Cash - Water	15,067,791	
Cash - ID #1	571,206	
Cash - ID #2	271,387	
Cash - Nonpotable	4,388,203	
Cash - Deposits	1,891,795	30,844,338
		30,844,338
Accounts Receivable-Services/Developers		1,392,492
Assessment Receivable		142,634
Interest Receivable		69,004
Prepaid Expenses		20,020
Inventory		33,802
		32,502,292
Other Assets		
Work-in-Process		551,789
Deferred Outflows - Pension		\$ 166,032
<b>TOTAL ASSETS</b>		<b>\$ 101,025,215</b>

LIABILITIES

Current Liabilities		
Accounts Payable	\$	568,929
Security Deposits		258,156
Payroll & Payroll Taxes Payable		1,635
Capacity & Meter Deposits		946,326
Fiduciary Payments Payable		330,194
Developer Deposits		344,042
Other Deposits		13,077
		2,462,359
Long-term Liabilities		
TVRP Note		1,012,465
Deferred Inflows - Pension		76,754
<b>TOTAL LIABILITIES</b>		<b>\$ 3,551,578</b>

FUND EQUITY

Fund Balances		
Waste Water Fund Balance		34,254,706
Water Fund Balance		48,256,701
ID #1 Fund Balance		619,857
ID #2 Fund Balance		565,314
Recycled Water Fund Balance		13,777,060
<b>TOTAL FUND EQUITY</b>		<b>\$ 97,473,637</b>
<b>TOTAL LIABILITIES &amp; FUND EQUITY</b>		<b>\$ 101,025,215</b>

**TEMESCAL VALLEY WATER DISTRICT  
REVENUE AND EXPENDITURES/BUDGET  
For Three Months Ending September 30, 2020**

	SEPTEMBER			YEAR TO DATE			BUDGET 2020-2021	BUDGET REMAINING
	ACTUAL	BUDGET	VARIANCE	ACTUAL	BUDGET	VARIANCE		
<b><u>WASTEWATER DEPARTMENT</u></b>								
OPERATING REVENUE:								
MONTHLY SEWER SERVICE CHARGE	221,502	215,000	6,502	656,292	645,000	11,292	\$ 2,570,000	(1,913,708)
MONTHLY SERVICE CHARGE-ID #1	11,764	11,500	264	35,292	34,500	792	138,000	(102,708)
MONTHLY SERVICE CHARGE-ID #2	13,307	13,000	307	39,921	39,000	921	156,000	(116,079)
MONTHLY SEWER SERVICE CHG-R COM	10,911	10,000	911	36,886	30,000	6,886	120,000	(83,114)
MISC UTILITY CHARGES/ REVENUE	505	425	80	1,623	1,275	348	5,000	(3,377)
STANDBY CHARGES	-	-	-	-	-	-	110,000	(110,000)
CFD REIMBURSEMENTS	-	-	-	-	-	-	20,000	(20,000)
INSPECTION CHARGES	-	4,200	(4,200)	2,995	12,600	(9,605)	50,000	(47,005)
TOTAL WASTEWATER REVENUE	257,989	254,125	3,864	773,009	762,375	10,634	3,169,000	(2,395,991)
OPERATING EXPENSES:								
PLANT WAGES EXPENSE	9,270	9,850	(580)	27,216	28,550	(1,334)	167,000	(139,784)
INSPECTION WAGES EXPENSE	2,632	2,700	(68)	11,186	8,100	3,086	35,000	(23,814)
PAYROLL TAXES EXP	184	300	(116)	633	900	(267)	3,800	(3,167)
EMPLOYEE BENEFITS-INS	559	1,800	(1,241)	2,114	5,400	(3,286)	21,600	(19,486)
EMPLOYEE BENEFITS-RETIREMENT	226	1,770	(1,544)	2,806	5,310	(2,504)	23,000	(20,194)
OVERTIME OPERATION EXP	2,975	1,600	1,375	8,539	4,800	3,739	19,400	(10,861)
OVERTIME INSPECTION EXP	774	200	574	949	600	349	4,800	(3,851)
MILEAGE EXP	414	100	314	1,320	300	1,020	1,200	120
VACATION EXP	839	850	(11)	2,517	2,550	(33)	10,100	(7,583)
SCADA SYSTEM ADMIN/MAINT	-	1,100	(1,100)	300	3,300	(3,000)	13,000	(12,700)
LABORATORY TESTING COSTS	-	1,900	(1,900)	-	5,700	(5,700)	23,000	(23,000)
SLUDGE DISPOSAL/PUMPING COSTS	6,839	5,800	1,039	15,030	17,400	(2,370)	70,000	(54,970)
SLUDGE DISPOSAL BAG EXP	-	-	-	-	-	-	25,000	(25,000)
SLUDGE CHEMICAL EXP	-	4,800	(4,800)	-	14,400	(14,400)	58,000	(58,000)
EQUIPMENT RENTAL COSTS	-	200	(200)	-	600	(600)	2,000	(2,000)
EQUIPMENT REPAIRS & MAINT.	23,144	17,000	6,144	61,482	51,000	10,482	200,000	(138,518)
SEWER LINE REPAIRS	-	-	-	-	-	-	5,000	(5,000)
SEWER CLEANING AND VIDEO EXP	-	5,000	(5,000)	1,560	5,000	(3,440)	20,000	(18,440)
SECURITY AND ALARM EXP	-	250	(250)	-	750	(750)	3,000	(3,000)
PROPERTY MAINTENANCE	3,306	3,750	(444)	7,045	11,250	(4,205)	45,000	(37,955)
ENGINEERING/ADMIN. STUDIES	-	5,000	(5,000)	-	5,000	(5,000)	20,000	(20,000)
ENERGY COSTS	25,365	21,000	4,365	84,146	63,000	21,146	252,000	(167,854)
CONSUMABLE SUPPLIES & CLEANING	289	825	(536)	646	2,475	(1,829)	10,000	(9,354)
CHEMICALS, LUBRICANTS & FUELS	214	13,750	(13,536)	34,003	41,250	(7,247)	165,000	(130,997)
SMALL EQUIPMENT & TOOLS COST	2,247	2,500	(253)	6,919	7,500	(581)	30,000	(23,081)
PERMITS, FEES & TAXES (WTR BRD FEE)	20	2,200	(2,180)	3,567	6,600	(3,033)	26,000	(22,433)
SAWPA BASIN MONITORING EXP	-	-	-	21,632	25,000	(3,368)	25,000	(3,368)
MAP UPDATING/GIS EXP	-	500	(500)	-	500	(500)	2,000	(2,000)
MISC. OPERATING EXP	-	100	(100)	-	300	(300)	1,000	(1,000)
BAD DEBT EXPENSES	-	-	-	-	-	-	2,000	(2,000)
CONTINGENCIES	-	4,500	(4,500)	-	13,500	(13,500)	54,000	(54,000)
TOTAL OPERATING EXPENSES	79,297	109,345	(30,048)	293,610	331,035	(37,425)	1,336,900	(1,043,290)

**TEMESCAL VALLEY WATER DISTRICT  
REVENUE AND EXPENDITURES/BUDGET  
For Three Months Ending September 30, 2020**

	SEPTEMBER			YEAR TO DATE			BUDGET	BUDGET
	ACTUAL	BUDGET	VARIANCE	ACTUAL	BUDGET	VARIANCE	2020-2021	REMAINING
<b>ADMINISTRATIVE EXPENSES:</b>								
CONTRACT MANAGEMENT	7,648	8,500	(852)	25,858	25,500	358	102,000	(76,142)
GENERAL ENGINEERING EXP	-	1,250	(1,250)	-	3,750	(3,750)	15,000	(15,000)
EMPLOYEE BENEFITS-INS	358	1,600	(1,242)	2,540	4,800	(2,260)	19,000	(16,460)
EMPLOYEE BENEFITS-RETIREMENT	1,680	1,850	(170)	4,584	5,550	(966)	24,000	(19,416)
ANNUAL ASSESSMENT EXP	-	-	-	2,876	3,000	(124)	3,000	(124)
PLAN CHECK & INSPECTION EXP	-	1,000	(1,000)	-	3,000	(3,000)	10,000	(10,000)
WAGES EXPENSE	10,829	13,850	(3,021)	31,999	41,550	(9,551)	180,100	(148,101)
VACATION EXP	1,044	1,000	44	3,132	3,000	132	12,500	(9,368)
PAYROLL TAX EXPENSES	224	250	(26)	691	750	(59)	3,000	(2,309)
OVERTIME EXP	-	200	(200)	358	500	(142)	2,000	(1,642)
MILEAGE EXP ADMIN	-	20	(20)	-	60	(60)	250	(250)
CONTRACT STAFFING EXP	-	-	-	-	-	-	2,000	(2,000)
LEGAL EXPENSES	-	850	(850)	-	2,550	(2,550)	10,000	(10,000)
AUDIT EXPENSES	-	-	-	-	-	-	6,000	(6,000)
BOARD COMMITTEE MEETING EXP.	423	1,000	(577)	1,645	3,000	(1,355)	12,000	(10,355)
ELECTION & PUBLIC HEARING EXP	-	-	-	-	-	-	4,000	(4,000)
COMPUTER SYSTEM ADMIN	1,466	1,700	(234)	7,830	5,100	2,730	20,000	(12,170)
BANK CHARGES EXP	2,862	2,250	612	8,407	6,750	1,657	27,000	(18,593)
MISCELLANEOUS & EDUCATION EXP	-	250	(250)	-	750	(750)	3,000	(3,000)
TELEPHONE, FAX & CELL EXP	979	1,250	(271)	2,872	3,750	(878)	15,000	(12,128)
OFFICE SUPPLIES EXP	965	1,250	(285)	3,387	3,750	(363)	15,000	(11,613)
PRINTING EXPENSES	602	1,000	(398)	3,541	2,000	1,541	8,000	(4,459)
POSTAGE & DELIVERY EXPENSE	821	1,150	(329)	2,762	3,450	(688)	14,000	(11,238)
PUBLICATIONS, NOTICES & DUES	133	125	8	1,033	1,100	(67)	1,500	(467)
EQUIPMENT LEASE EXPENSES	790	600	190	2,302	2,000	302	8,000	(5,698)
INSURANCE EXPENSES	2,284	2,500	(216)	5,435	7,500	(2,065)	30,000	(24,565)
COMMUNITY OUTREACH EXP	2,957	3,000	(43)	3,593	4,000	(407)	8,000	(4,407)
INVESTMENT EXP	400	400	-	1,200	1,200	-	4,800	(3,600)
<b>TOTAL ADMINISTRATIVE EXPENSES</b>	<b>36,465</b>	<b>46,845</b>	<b>(10,380)</b>	<b>116,045</b>	<b>138,360</b>	<b>(22,315)</b>	<b>559,150</b>	<b>(443,105)</b>
<b>TOTAL WASTEWATER EXPENSES</b>	<b>115,762</b>	<b>156,190</b>	<b>(40,428)</b>	<b>409,655</b>	<b>469,395</b>	<b>(59,740)</b>	<b>1,896,050</b>	<b>(1,486,395)</b>
<b>NET OPERATING REVENUE/EXPENSE</b>	<b>142,227</b>	<b>97,935</b>	<b>44,292</b>	<b>363,354</b>	<b>292,980</b>	<b>70,374</b>	<b>1,272,950</b>	<b>(909,596)</b>
<b>NON-OPERATING SOURCE OF FUNDS:</b>								
INTEREST INCOME	6,840	12,500	(5,660)	20,520	37,500	(16,980)	150,000	(129,480)
PROPERTY TAX INCOME	-	-	-	-	-	-	75,000	(75,000)
<b>TOTAL NON-OPER SOURCE OF FUNDS</b>	<b>6,840</b>	<b>12,500</b>	<b>(5,660)</b>	<b>20,520</b>	<b>37,500</b>	<b>(16,980)</b>	<b>225,000</b>	<b>(204,480)</b>
<b>TOTAL SEWER REVENUE/EXPENSE</b>	<b>149,067</b>	<b>110,435</b>	<b>38,632</b>	<b>383,874</b>	<b>330,480</b>	<b>53,394</b>	<b>1,497,950</b>	<b>(1,114,076)</b>
TRANSFER TO CAPITAL FUND-REPLACEMENT				158,209				
TRANSFER TO CAPITAL FUND-IMPROVEMENT				225,665				
CONNECTION FEES				19,768				
				-				

**TEMESCAL VALLEY WATER DISTRICT  
REVENUE AND EXPENDITURES/BUDGET  
For Three Months Ending September 30, 2020**

**WASTE WATER CAPITAL FUND:**

ENDING FUNDS AVAILABLE 2019-2020	<b>10,677,010</b>
TRANSFER FOR CAPITAL FUND REPLACEMENT	<b>158,209</b>
TRANSFER FOR CAPITAL IMPROVEMENTS	<b>245,433</b>
CAPITAL IMPROVEMENT (SEE ATTACHED DETAIL)	<b><u>(1,279,665)</u></b>
TOTAL FUNDS AVAILABLE	<b><u>9,800,987</u></b>



**TEMESCAL VALLEY WATER DISTRICT  
REVENUE AND EXPENDITURES/BUDGET  
For Three Months Ending September 30, 2020**

	SEPTEMBER			YEAR TO DATE			BUDGET	BUDGET
	ACTUAL	BUDGET	VARIANCE	ACTUAL	BUDGET	VARIANCE	2020-2021	REMAINING
<b><i>WATER DEPARTMENT</i></b>								
<b>OPERATING REVENUE:</b>								
WATER SERVICE CHARGE	153,494	147,800	5,694	463,281	443,400	19,881	1,774,000	(1,310,719)
WATER USAGE CHARGES	428,316	457,000	(28,684)	1,423,729	1,450,000	(26,271)	4,100,000	(2,676,271)
WATER PUMPING CHARGE	18,522	18,000	522	61,327	58,000	3,327	165,000	(103,673)
FIRE PROTECTION CHARGES	7,181	3,300	3,881	13,399	9,900	3,499	40,000	(26,601)
MISC. UTILITY CHARGES	1,290	3,300	(2,010)	2,249	9,900	(7,651)	40,000	(37,751)
SERVICE METER INCOME	12,000	8,300	3,700	28,200	24,900	3,300	100,000	(71,800)
CELLULAR SITE LEASE	3,136	3,000	136	6,182	9,000	(2,818)	54,000	(47,818)
MWD READINESS TO SERVE CHARGE	11,366	10,000	1,366	31,351	30,000	1,351	119,000	(87,649)
STANDBY CHARGES	-	-	-	-	-	-	40,000	(40,000)
CFD REIMBURSEMENTS	-	-	-	-	-	-	20,000	(20,000)
INSPECTION CHARGES	-	4,200	(4,200)	2,620	12,600	(9,980)	50,000	(47,380)
TOTAL WATER REVENUE	<b>635,305</b>	<b>654,900</b>	<b>(19,595)</b>	<b>2,032,338</b>	<b>2,047,700</b>	<b>(15,362)</b>	<b>6,502,000</b>	<b>(4,469,662)</b>
<b>OPERATING EXPENSES:</b>								
WAGES EXPENSE	8,111	11,300	(3,189)	23,812	33,900	(10,088)	147,000	(123,188)
INSPECTION WAGES EXPENSE	2,303	2,400	(97)	6,909	7,200	(291)	30,000	(23,091)
PAYROLL TAXES EXP	164	230	(66)	556	690	(134)	3,000	(2,444)
EMPLOYEE BENEFITS-INS	1,038	1,575	(537)	2,889	4,725	(1,836)	18,900	(16,011)
EMPLOYEE BENEFITS-RETIREMENT	974	1,615	(641)	3,535	4,845	(1,310)	21,000	(17,465)
OPERATION-MILEAGE EXP	-	125	(125)	-	375	(375)	1,500	(1,500)
OVERTIME EXPENSE OPER/ ON CALL	2,226	1,195	1,031	6,392	3,585	2,807	14,350	(7,958)
OVERTIME EXP INSPECTION	665	350	315	1,910	1,050	860	4,200	(2,290)
VACATION EXP	734	730	4	2,202	2,190	12	8,800	(6,598)
CONTRACT STAFFING-METER READS	5,686	5,750	(64)	17,016	17,250	(234)	69,000	(51,984)
SCADA SYSTEM ADMIN/MAINT	-	850	(850)	300	2,550	(2,250)	10,000	(9,700)
LABORATORY TESTING COSTS	-	1,335	(1,335)	-	4,005	(4,005)	16,000	(16,000)
COMPLIANCE TESTING (ISDE/CROSS)	-	230	(230)	-	690	(690)	3,000	(3,000)
LEAK DETECTION EXPENSE	-	675	(675)	-	2,025	(2,025)	8,000	(8,000)
EPA WATER TESTING EXP	-	700	(700)	-	2,100	(2,100)	8,500	(8,500)
EQUIPMENT RENTAL COSTS	-	170	(170)	-	510	(510)	2,000	(2,000)
EQUIPMENT REPAIRS & MAINT.	6,166	6,700	(534)	11,434	20,100	(8,666)	80,000	(68,566)
WATER LINE REPAIRS	-	3,350	(3,350)	-	10,050	(10,050)	40,000	(40,000)
ALARM MONITORING COSTS	-	250	(250)	-	750	(750)	3,000	(3,000)
PROPERTY MAINTENANCE	354	420	(66)	354	1,260	(906)	5,000	(4,646)
ENGINEERING/ADMIN. STUDIES	-	675	(675)	-	2,025	(2,025)	8,000	(8,000)
ENERGY COSTS	14,212	12,600	1,612	43,348	39,060	4,288	126,000	(82,652)
CONSUMABLE SUPPLIES & CLEANING	253	330	(77)	572	990	(418)	4,000	(3,428)
CHEMICALS, LUBRICANTS & FUELS	201	660	(459)	1,028	1,980	(952)	8,000	(6,972)
SMALL EQUIPMENT & TOOLS COST	-	420	(420)	3,582	1,260	2,322	5,000	(1,418)
PERMITS, FEES & TAXES	195	2,900	(2,705)	1,669	8,700	(7,031)	35,000	(33,331)
MAP UPDATING/GIS EXP	-	420	(420)	-	1,260	(1,260)	5,000	(5,000)
SERVICE METERS & PARTS COSTS	7,336	8,400	(1,064)	18,458	25,200	(6,742)	100,000	(81,542)
WHOLESALE WATER PURCHASES	409,460	365,000	44,460	1,298,650	1,131,500	167,150	3,650,000	(2,351,350)
WATER-MWD CAPACITY CHARGE	3,667	4,000	(333)	11,000	12,000	(1,000)	48,000	(37,000)
WATER-READINESS TO SERVE/REFUSAL CHARGE	10,019	9,900	119	30,056	29,700	356	119,000	(88,944)
WMWD-MGLMR EXP	-	-	-	-	-	-	117,000	(117,000)
BAD DEBT EXPENSES	-	-	-	-	-	-	3,000	(3,000)
CONSERVATION REBATE EXP	-	1,250	(1,250)	-	1,250	(1,250)	5,000	(5,000)
CONTINGENCIES	-	3,900	(3,900)	-	11,700	(11,700)	47,000	(47,000)
TOTAL OPERATING EXPENSES	<b>473,764</b>	<b>450,405</b>	<b>23,359</b>	<b>1,485,672</b>	<b>1,386,475</b>	<b>99,197</b>	<b>4,773,250</b>	<b>(3,287,578)</b>

**TEMESCAL VALLEY WATER DISTRICT  
REVENUE AND EXPENDITURES/BUDGET  
For Three Months Ending September 30, 2020**

	SEPTEMBER			YEAR TO DATE			BUDGET	BUDGET
	ACTUAL	BUDGET	VARIANCE	ACTUAL	BUDGET	VARIANCE	2020-2021	REMAINING
<b>ADMINISTRATIVE EXPENSES:</b>								
CONTRACT MANAGEMENT	6,692	7,500	(808)	22,625	22,500	125	89,250	(66,625)
GENERAL ENGINEERING EXP	-	1,700	(1,700)	10,878	5,100	5,778	20,000	(9,122)
PLAN CHECK & INSPECTION EXP	-	850	(850)	-	2,550	(2,550)	10,000	(10,000)
EMPLOYEE BENEFITS-INS	1,246	1,450	(204)	4,088	4,350	(262)	17,300	(13,212)
EMPLOYEE BENEFITS-RETIREMENT	1,725	1,680	45	4,378	5,040	(662)	21,800	(17,422)
ANNUAL ASSESSMENT EXP	-	-	-	2,876	3,000	(124)	3,000	(124)
WAGES EXPENSE	9,476	10,000	(524)	30,877	32,000	(1,123)	156,850	(125,973)
VACATION EXP	913	900	13	2,739	2,700	39	11,000	(8,261)
MILEAGE EXP ADMIN	-	40	(40)	-	120	(120)	500	(500)
OVERTIME EXPENSE	-	150	(150)	316	450	(134)	1,750	(1,434)
PAYROLL TAX EXPENSES	196	200	(4)	604	600	4	2,500	(1,896)
CONTRACT STAFFING OFFICE	-	-	-	-	-	-	2,000	(2,000)
LEGAL EXPENSES	-	625	(625)	-	1,875	(1,875)	7,500	(7,500)
AUDIT EXPENSES	-	-	-	-	-	-	5,500	(5,500)
BOARD COMMITTEE/ MEETING EXP.	369	875	(506)	1,439	2,625	(1,186)	10,500	(9,061)
COMPUTER SYSTEM EXP	1,283	1,350	(67)	6,851	4,050	2,801	16,000	(9,149)
BANK CHARGES EXP	2,504	2,100	404	7,356	6,300	1,056	25,000	(17,644)
MISCELLANEOUS & EDUCATION EXP	-	500	(500)	-	500	(500)	2,000	(2,000)
TELEPHONE EXP	831	1,250	(419)	2,487	3,750	(1,263)	15,000	(12,513)
OFFICE SUPPLIES EXP	744	1,000	(256)	2,684	3,000	(316)	12,000	(9,316)
PRINTING EXPENSES	527	420	107	1,053	1,260	(207)	5,000	(3,947)
POSTAGE & DELIVERY EXPENSE	718	1,000	(282)	2,416	3,000	(584)	12,000	(9,584)
PUBLICATIONS, NOTICES & DUES	-	200	(200)	545	600	(55)	2,500	(1,955)
EQUIPMENT LEASE EXPENSES	691	580	111	1,487	1,740	(253)	7,000	(5,513)
INSURANCE EXPENSES	1,998	2,100	(102)	4,747	6,300	(1,553)	25,000	(20,253)
INVESTMENT EXPENSE	350	400	(50)	1,050	1,200	(150)	4,800	(3,750)
ELECTION & PUBLIC HEARING EXP	-	-	-	-	-	-	3,500	(3,500)
COMMUNITY OUT REACH EXP	-	-	-	-	-	-	8,000	(8,000)
TOTAL ADMINISTRATIVE EXPENSES	30,263	36,870	(6,607)	111,496	114,610	(3,114)	497,250	(385,754)
TOTAL WATER EXPENSES	504,027	487,275	16,752	1,597,168	1,501,085	96,083	5,270,500	(3,673,332)
<b>NET OPERATING REVENUE/EXPENSE</b>	<b>131,278</b>	<b>167,625</b>	<b>(36,347)</b>	<b>435,170</b>	<b>546,615</b>	<b>(111,445)</b>	<b>1,231,500</b>	<b>(796,330)</b>
<b>NON-OPERATING SOURCE OF FUNDS:</b>								
INTEREST INCOME	8,640	15,000	(6,360)	25,920	45,000	(19,080)	180,000	(154,080)
PROPERTY TAX INCOME	-	-	-	-	-	-	40,000	(40,000)
TOTAL NON-OP SOURCE OF FUNDS	8,640	15,000	(6,360)	25,920	45,000	(19,080)	220,000	(194,080)
<b>TOTAL REVENUE/EXPENSE</b>	<b>139,918</b>	<b>182,625</b>	<b>(42,707)</b>	<b>461,090</b>	<b>591,615</b>	<b>(130,525)</b>	<b>1,451,500</b>	<b>(990,410)</b>
TRANSFER TO CAPITAL FUND-REPLACEMENT				142,348				
TRANSFER TO CAPITAL FUND-IMPROVEMENT				318,742				
CONNECTION FEES				19,768				
CAPACITY USAGE INCOME				92,658				
LONG TERM DEBT REDUCTION				92,658				
				-				
<b>WATER CAPITAL FUND:</b>								
ENDING FUNDS AVAILABLE 2019-2020	14,726,199							
TRANSFER FOR CAPITAL FUND REPLACEMENT	142,348							
TRANSFER FOR CAPITAL IMPROVEMENTS	338,510							
CAPITAL IMPROVEMENT (SEE ATTACHED DETAIL)	(8,229)							
<b>TOTAL FUNDS AVAILABLE</b>	<b>15,198,828</b>							

**TEMESCAL VALLEY WATER DISTRICT  
REVENUE AND EXPENDITURES/BUDGET  
For Three Months Ending September 30, 2020**

	SEPTEMBER			YEAR TO DATE			BUDGET	BUDGET
	ACTUAL	BUDGET	VARIANCE	ACTUAL	BUDGET	VARIANCE	2020-2021	REMAINING
<b><i>ID#1 DEPARTMENT</i></b>								
OPERATING REVENUE:								
ANNUAL SEWER SERVICE CHARGE	13,725	13,725	-	41,175	41,175	-	164,700	(123,525)
TOTAL ID #1 REVENUE	13,725	13,725	-	41,175	41,175	-	164,700	(123,525)
OPERATING EXPENSES:								
MONTHLY TREATMENT PLANT COSTS	11,764	11,500	264	35,292	35,292	-	138,000	(102,708)
TOTAL OPERATING COSTS	11,764	11,500	264	35,292	35,292	-	138,000	(102,708)
ADMINISTRATIVE EXPENSES:								
ANNUAL ASSESSMENT PROCESSING	-	-	-	-	-	-	3,000	(3,000)
TOTAL ADMINISTRATIVE EXPENSES	-	-	-	-	-	-	3,000	(3,000)
TOTAL ID#1 EXPENSES	11,764	11,500	264	35,292	35,292	-	141,000	(105,708)
<b>NET OPERATING REVENUE/EXPENSE</b>	<b>1,961</b>	<b>2,225</b>	<b>(264)</b>	<b>5,883</b>	<b>5,883</b>	<b>-</b>	<b>23,700</b>	<b>(17,817)</b>
NON-OPERATING SOURCE OF FUNDS:								
INTEREST INCOME/UNREALIZED GAIN ON INV	180	350	(170)	540	1,050	(510)	4,200	(3,660)
TOTAL NON-OPER SOURCE OF FUNDS	180	350	(170)	540	1,050	(510)	4,200	(3,660)
<b>TOTAL REVENUE/EXPENSE</b>	<b>2,141</b>	<b>2,575</b>	<b>(434)</b>	<b>6,423</b>	<b>6,933</b>	<b>(510)</b>	<b>27,900</b>	<b>(21,477)</b>
TRANSFER TO SINKING FUND FOR CAPACITY				6,423				
				-				
<b><i>ID #1 FUND BALANCE:</i></b>								
ENDING FUNDS AVAILABLE 2019-2020	564,783							
SINKING FUND FOR CAPACITY	6,423							
TOTAL FUNDS AVAILABLE	571,206							

**TEMESCAL VALLEY WATER DISTRICT  
REVENUE AND EXPENDITURES/BUDGET  
For Three Months Ending September 30, 2020**

	SEPTEMBER			YEAR TO DATE			BUDGET 2020-2021	BUDGET REMAINING
	ACTUAL	BUDGET	VARIANCE	ACTUAL	BUDGET	VARIANCE		
<b>ID#2 DEPARTMENT</b>								
OPERATING REVENUE:								
ANNUAL SEWER SERVICE CHARGE	15,525	15,525	-	46,575	46,575	-	191,820	(145,245)
TOTAL ID #2 REVENUE	15,525	15,525	-	46,575	46,575	-	191,820	(145,245)
OPERATING EXPENSES:								
MONTHLY TREATMENT PLANT COSTS	13,307	12,179	1,128	39,921	39,921	-	150,530	(110,609)
TOTAL OPERATING COSTS	13,307	12,179	1,128	39,921	39,921	-	150,530	(110,609)
ADMINISTRATIVE EXPENSES:								
GENERAL ENGINEERING EXP	-	-	-	-	-	-	2,500	(2,500)
ANNUAL ASSESSMENT PROCESSING	-	-	-	-	-	-	3,000	(3,000)
TOTAL ADMINISTRATIVE EXPENSES	-	-	-	-	-	-	5,500	(5,500)
TOTAL ID#2 EXPENSES	13,307	12,179	1,128	39,921	39,921	-	156,030	(116,109)
<b>NET OPERATING REVENUE/EXPENSE</b>	<b>2,218</b>	<b>3,346</b>	<b>(1,128)</b>	<b>6,654</b>	<b>6,654</b>	<b>-</b>	<b>35,790</b>	<b>(29,136)</b>
NON-OPERATING SOURCE OF FUNDS:								
INTEREST INCOME/UNREALIZED GAIN ON INV	360	670	(310)	1,080	2,010	(930)	8,040	(6,960)
TOTAL NON-OPER SOURCE OF FUNDS	360	670	(310)	1,080	2,010	(930)	8,040	(6,960)
<b>TOTAL REVENUE/EXPENSE</b>	<b>2,578</b>	<b>4,016</b>	<b>(1,438)</b>	<b>7,734</b>	<b>8,664</b>	<b>(930)</b>	<b>43,830</b>	<b>(36,096)</b>
TRANSFER TO SINKING FUND FOR CAPACITY				7,734				
				-				
<b>ID #2 FUND BALANCE:</b>								
ENDING FUNDS AVAILABLE 2019-2020	263,653							
SINKING FUND FOR CAPACITY	7,734							
TOTAL FUNDS AVAILABLE	271,387							

**TEMESCAL VALLEY WATER DISTRICT  
REVENUE AND EXPENDITURES/BUDGET  
For Three Months Ending September 30, 2020**

	SEPTEMBER			YEAR TO DATE			BUDGET	BUDGET
	ACTUAL	BUDGET	VARIANCE	ACTUAL	BUDGET	VARIANCE	2020-2021	REMAINING
<b><i>NON-POTABLE WATER DEPARTMENT</i></b>								
OPERATING REVENUE:								
RECYCLED/NON-POTABLE WATER SALES	205,175	238,000	(32,825)	697,172	629,000	68,172	1,700,000	(1,002,828)
RECYCLED/ NON-POT WATER FIXED CHARGE	22,376	16,700	5,676	58,328	50,100	8,228	200,000	(141,672)
RECYCLED/NON-POTABLE PUMPING CHARGE	6,881	5,600	1,281	22,032	14,800	7,232	40,000	(17,968)
MISC INCOME	1,100	1,000	100	3,400	3,000	400	12,000	(8,600)
INSPECTION REVENUE	-	2,420	(2,420)	1,873	7,260	(5,387)	29,000	(27,127)
TOTAL NON-POTABLE REVENUE	235,532	263,720	(28,188)	782,805	704,160	78,645	1,981,000	(1,198,195)
OPERATING EXPENSES:								
RECYCLED/NON-POTABLE LABOR EXP	5,794	8,050	(2,256)	17,009	24,150	(7,141)	104,550	(87,541)
INSPECTION WAGES EXPENSE	1,644	1,675	(31)	4,933	5,025	(92)	21,700	(16,767)
PAYROLL TAXES EXP	113	185	(72)	395	555	(160)	2,400	(2,005)
EMPLOYEE BENEFITS-INS	741	1,125	(384)	2,064	3,375	(1,311)	13,500	(11,436)
EMPLOYEE BENEFITS-RETIREMENT	696	1,115	(419)	2,526	3,345	(819)	14,500	(11,974)
MILEAGE EXP	-	58	(58)	-	176	(176)	700	(700)
OVERTIME EXP OPER	1,550	850	700	4,448	2,540	1,908	10,250	(5,802)
OVERTIME EXP INSPECTION	516	250	266	1,482	760	722	3,000	(1,518)
VACATION EXP	524	525	(1)	1,572	1,575	(3)	6,300	(4,728)
SCADA SYS EXP	-	850	(850)	-	2,550	(2,550)	10,000	(10,000)
LABORATORY TESTING COSTS	-	250	(250)	-	750	(750)	3,000	(3,000)
EQUIPMENT REPAIRS & MAINT.	4,006	5,000	(994)	15,519	15,000	519	60,000	(44,481)
NONPOTABLE WATER LINE REPAIR	-	6,700	(6,700)	-	20,100	(20,100)	80,000	(80,000)
SECURITY AND ALARM EXP	-	160	(160)	-	480	(480)	1,900	(1,900)
PROPERTY MAINTENANCE	-	350	(350)	-	1,050	(1,050)	4,000	(4,000)
ENERGY COSTS	26,710	25,200	1,510	89,212	78,120	11,092	252,000	(162,788)
CONSUMABLE SUPPLIES EXP	181	210	(29)	365	630	(265)	2,500	(2,135)
CHEMICALS, LUBRICANTS & FUELS	121	460	(339)	713	1,380	(667)	5,500	(4,787)
PERMITS AND FEES EXP	139	625	(486)	1,192	1,875	(683)	7,500	(6,308)
SERVICE METERS AND PARTS COSTS	-	580	(580)	-	1,740	(1,740)	7,000	(7,000)
RECYCLED SIGN/TOOLS EXP	-	350	(350)	-	1,050	(1,050)	4,000	(4,000)
MISC OPERATING EXP	-	125	(125)	-	125	(125)	500	(500)
BAD DEBT	-	-	-	-	-	-	1,600	(1,600)
CONTINGENCIES	-	2,100	(2,100)	-	6,300	(6,300)	25,000	(25,000)
TOTAL OPERATING EXPENSES	42,735	56,793	(14,058)	141,430	172,651	(31,221)	641,400	(499,970)

**TEMESCAL VALLEY WATER DISTRICT  
REVENUE AND EXPENDITURES/BUDGET  
For Three Months Ending September 30, 2020**

	SEPTEMBER			YEAR TO DATE			BUDGET	BUDGET
	ACTUAL	BUDGET	VARIANCE	ACTUAL	BUDGET	VARIANCE	2020-2021	REMAINING
<b>ADMINISTRATIVE EXPENSES:</b>								
CONTRACT MANAGEMENT	4,780	5,310	(530)	16,161	15,930	231	63,750	(47,589)
GENERAL ENGINEERING	-	420	(420)	5,550	1,260	4,290	5,000	550
PLAN CHECK EXP	-	100	(100)	-	300	(300)	1,000	(1,000)
EMPLOYEE BENEFITS-INS	891	1,000	(109)	2,924	3,000	(76)	12,300	(9,376)
EMPLOYEE BENEFITS-RETIREMENT	1,232	1,200	32	3,127	3,600	(473)	15,500	(12,373)
WAGES EXPENSE	6,769	7,030	(261)	22,056	24,600	(2,544)	113,500	(91,444)
VACATION EXP	652	650	2	1,956	1,950	6	7,800	(5,844)
MILEAGE EXP	-	50	(50)	-	50	(50)	200	(200)
OVERTIME EXP	-	100	(100)	226	300	(74)	1,250	(1,024)
PAYROLL TAX EXPENSE	140	140	-	432	420	12	1,800	(1,368)
CONTRACT STAFFING EXP	-	-	-	-	-	-	2,000	(2,000)
LEGAL EXPENSE	-	420	(420)	-	1,260	(1,260)	5,000	(5,000)
AUDIT EXP	-	-	-	-	-	-	4,500	(4,500)
BOARD FEES EXP	264	625	(361)	1,027	1,875	(848)	7,500	(6,473)
COMPUTER SYSTEMS EXP	916	830	86	4,893	2,490	2,403	10,000	(5,107)
BANK CHARGES	1,789	1,420	369	5,254	4,260	994	17,000	(11,746)
MISC & EDUCATION EXP	-	250	(250)	-	250	(250)	1,000	(1,000)
TELEPHONE EXP	636	800	(164)	1,820	2,400	(580)	9,500	(7,680)
OFFICE SUPPLIES	560	580	(20)	1,947	1,740	207	7,000	(5,053)
PRINTING EXP	376	-	376	752	750	2	3,000	(2,248)
POSTAGE EXP	513	850	(337)	1,728	2,550	(822)	10,000	(8,272)
PUBLICATION EXP	-	175	(175)	389	525	(136)	2,000	(1,611)
EQUIPMENT LEASE EXP	494	375	119	1,062	1,125	(63)	4,500	(3,438)
INSURANCE EXPENSE	1,428	1,670	(242)	3,408	5,010	(1,602)	20,000	(16,592)
ANNUAL ASSESSMENT EXP	-	1,500	(1,500)	-	1,500	(1,500)	3,000	(3,000)
INVESTMENT EXPENSE	250	250	-	750	750	-	3,000	(2,250)
COMMUNITY OUTREACH EXP	-	-	-	-	-	-	4,800	(4,800)
<b>TOTAL ADMINISTRATIVE EXPENSES</b>	<b>21,690</b>	<b>25,745</b>	<b>(4,055)</b>	<b>75,462</b>	<b>77,895</b>	<b>(2,433)</b>	<b>335,900</b>	<b>(260,438)</b>
<b>TOTAL NON-POTABLE OPERATING EXPENSES</b>	<b>64,425</b>	<b>82,538</b>	<b>(18,113)</b>	<b>216,892</b>	<b>250,546</b>	<b>(33,654)</b>	<b>977,300</b>	<b>(760,408)</b>
<b>NET OPERATING REVENUE/EXPENSE</b>	<b>171,107</b>	<b>181,182</b>	<b>(10,075)</b>	<b>565,913</b>	<b>453,614</b>	<b>112,299</b>	<b>1,003,700</b>	<b>(437,787)</b>
<b>NON-OPERATING SOURCE OF FUNDS:</b>								
INTEREST INCOME	1,980	2,500	(520)	5,940	7,500	(1,560)	30,000	(24,060)
<b>TOTAL NON-OP SOURCE OF FUNDS</b>	<b>1,980</b>	<b>2,500</b>	<b>(520)</b>	<b>5,940</b>	<b>7,500</b>	<b>(1,560)</b>	<b>30,000</b>	<b>(24,060)</b>
<b>TOTAL REVENUE/EXPENSE</b>	<b>173,087</b>	<b>183,682</b>	<b>(10,595)</b>	<b>571,853</b>	<b>461,114</b>	<b>110,739</b>	<b>1,033,700</b>	<b>(461,847)</b>
TRANSFER TO CAPITAL FUND-REPLACEMENT				84,638				
TRANSFER TO CAPITAL FUND-IMPROVEMENT				487,215				
CONNECTION FEES				-				
<b>NON-POTABLE FUND BALANCE:</b>								
ENDING FUNDS AVAILABLE 2019-2020	3,858,535							
TRANSFER FOR CAPITAL FUND REPLACEMENT	84,638							
TRANSFER FOR CAPITAL IMPROVEMENTS	487,215							
CAPITAL IMPROVEMENT (SEE ATTACHED DETAIL)	(25,601)							
<b>TOTAL FUNDS AVAILABLE</b>	<b>4,404,787</b>							

Temescal Valley Water District  
Capital Projects  
Yearly Miscellaneous and Multi - Year

In Process
Not Started

Capital Projects			Source of Funding				AS OF SEPTEMBER 2020 EXPENDITURES						
FY 2019/2020 Maintenance/ General Projects	CIP #	Eng #1401.*	Total Cost	Sewer Fund	Water Fund	Recycled Fund	Previous YR	YEAR TO DATE			Total YTD	Variance	
									Sewer Fund	Water Fund	Recycled Fund		
Computer and Software Upgrades	G-1-2019		\$ 25,000	\$ 10,000	\$ 8,750	\$ 6,250	\$ 3,879	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 21,121
General Building Improvements	G-2-2019		\$ 80,000	\$ 32,000	\$ 28,000	\$ 20,000	\$ 8,292	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 71,708
Trillogy Reservoir Rehab Interior/Exterior	W-1-2019	1907	\$ 524,400	\$ -	\$ 524,400	\$ -	\$ 26,622	\$ -	\$ 429	\$ -	\$ 429	\$ 497,349	
Urban Water Management Plan 2020	G-23-2019		\$ 100,000			\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000	
WRF Compliance Instrumentation Replacement			\$ 40,000	\$ 25,000	\$ -	\$ 15,000	\$ 29,201	\$ 30,308	\$ -	\$ 17,801	\$ 48,109	\$ (37,310)	
Convert to Recycled			\$ 135,000	\$ -	\$ 75,000	\$ 60,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 135,000	
Potable Water Looping (Forest Boundary)	W-2-2019	1906	\$ 298,800	\$ -	\$ 298,800		\$ 26,217	\$ -	\$ -	\$ -	\$ -	\$ 272,583	
Potable Water Looping Phase II (Knabe)	W-2-2019		\$ 500,000	\$ -	\$ 500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 500,000	
Recycled and Non-potable Pipeline extentions	NP-2018		\$ 775,000	\$ -	\$ -	\$ 775,000	\$ 30,510	\$ -	\$ -	\$ -	\$ -	\$ 744,490	
Groundwater Sustainability JPA	General		\$ 135,000	\$ -	\$ 135,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 135,000	
5-year Financial Plan Development with 218 notice	General		\$ 120,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ -	\$ 7,800	\$ 7,800	\$ 7,800	\$ 23,400	\$ 96,600	
TWC (EVMWD) Potable system purchase study	W-3-2020		\$ 25,000	\$ -	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,000	
<b>SUBTOTAL</b>			<b>\$ 2,758,200</b>	<b>\$ 107,000</b>	<b>\$ 1,634,950</b>	<b>\$ 1,016,250</b>	<b>\$ 124,721</b>	<b>\$ 38,108</b>	<b>\$ 8,229</b>	<b>\$ 25,601</b>	<b>\$ 71,938</b>	<b>\$ 2,561,541</b>	

Multiple Fiscal Year Projects			Source of Funding				AS OF SEPTEMBER 2020 EXPENDITURES						
CIP #	Eng #1401.*	Total Cost	Sewer Fund	Water Fund	Recycled Fund	Previous YR	YEAR TO DATE			Total YTD	Variance		
									Sewer Fund	Water Fund	Recycled Fund		
		\$ 90,000	\$ -	\$ -	\$ 90,000	\$ 17,074	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 72,926	
	1815	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ 56,222	\$ 3,737	\$ -	\$ -	\$ -	\$ 3,737	\$ 40,041	
		\$ 42,000	\$ 42,000	\$ -	\$ -	\$ 21,984	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,016	
		\$ 250,000	\$ 100,000	\$ 87,500	\$ 62,500	\$ 232,879	\$ 34,394	\$ -	\$ -	\$ -	\$ 34,394	\$ (17,273)	
WRF 225,000 GPD Upgrade (SBR Controls)	S-1-2015	\$ 1,261,000	\$ 1,230,000	\$ -	\$ -	\$ 1,224,019	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 36,981	
WRF 225,000 GPD Expansion (District Share)	S-1-2015	\$ 5,475,613	\$ 5,475,613	\$ -	\$ -	\$ 1,289,556	\$ 1,174,401	\$ -	\$ -	\$ -	\$ 1,174,401	\$ 3,011,656	
GIS Mapping - Water Sewer RW pipelines and facilities		\$ 171,700	\$ 66,000	\$ 66,000	\$ 39,700	\$ 147,039	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 24,661	
Well Replacement/Cleaning and Rehab		\$ 300,000	\$ -	\$ -	\$ 300,000	\$ 75,663	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 224,337	
Alternate Tertiary Percolation Area and Rehab		\$ 320,000	\$ 300,000	\$ -	\$ 20,000	\$ 190,682	\$ 29,025	\$ -	\$ -	\$ -	\$ 29,025	\$ 100,293	
Dawson Canyon Potable Reservoir Design	W-1-2015	\$ 200,000	\$ -	\$ 200,000	\$ -	\$ 200,281	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (281)	
Dawson Canyon 5 MG Potable Reservoir Construction	W-1-2015	\$ 5,770,000	\$ -	\$ 5,770,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,770,000	
New Loader for Sludge Removal	S-2-2020	\$ 180,000	\$ 180,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 180,000	
Wildrose Reservoir Cathodic Protection System	W-2-2020	\$ 55,000	\$ -	\$ 55,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 55,000	
Reservoir Management Systems	W-1-2020	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000	
Water Reclamation Facility Flow EQ Covers	S-1-2020	\$ 470,000	\$ 470,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 470,000	
WRF Headworks Screen Replacement	S-3-2020	\$ 200,000	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000	
<b>SUBTOTAL</b>			<b>\$ 14,985,313</b>	<b>\$ 8,263,613</b>	<b>\$ 6,178,500</b>	<b>\$ 512,200</b>	<b>\$ 3,455,399</b>	<b>\$ 1,241,557</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,241,557</b>	<b>\$ 10,288,357</b>	
<b>TOTAL</b>			<b>\$ 17,743,513</b>	<b>\$ 8,370,613</b>	<b>\$ 7,813,450</b>	<b>\$ 1,528,450</b>	<b>\$ 3,580,120</b>	<b>\$ 1,279,665</b>	<b>\$ 8,229</b>	<b>\$ 25,601</b>	<b>\$ 1,313,495</b>	<b>\$ 12,849,898</b>	

**TEMESCAL VALLEY WATER DISTRICT  
Community Facilities District  
Financing Authority**

**9/30/2020**

Senior Lien Bonds - Revenue Fund (Acct #105636-000)	\$	0.03
- Lien Interest A/C ( Acct #105636-001)		34.58
- Lien Principal A/C (Acct #105636-002)		-
- Financing Authority Surplus A/C (Acct #105636-003)		-
- Reserve Fund CFD #1 (Acct #105636-004)		2,263,221.14
- Reserve Fund CFD #2 (Acct #105636-005)		276,064.99
- Reserve Fund CFD #3 (Acct #105636-006)		1,495,524.25
Junior Lien Bonds - Revenue Fund (Acct #105639-000)	\$	0.01
- Lien Interest A/C ( Acct #105639-001)		10.85
- Lien Principal A/C (Acct #105639-002)		-
- Financing Authority Surplus A/C (Acct #105639-003)		-
- Reserve Fund CFD #1 (Acct #105639-004)		619,045.52
- Reserve Fund CFD #2 (Acct #105639-005)		100,174.20
- Reserve Fund CFD #3 (Acct #105639-006)		540,859.53
<b>TOTAL</b>		
		<b>\$ 5,294,935.10</b>



**TEMESCAL VALLEY WATER DISTRICT**  
**Community Facilities District No. 1**  
**Financing Authority**  
**(Sycamore Creek)**  
**9/30/2020**

Special Tax Fund (Acct #105636-009)  
Account Balance at Wilmington Trust

\$ -

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BONDS PR ACCT (Acct # 105636-010)  
Account Balance at Wilmington Trust

-

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Administrative Expense Fund(Acct #105636-011)  
Account Balance at Wilmington Trust

**8.23**

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Surplus Fund (Acct #105636-012)  
Account Balance at Wilmington Trust

**1,287,200.26**

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**TEMESCAL VALLEY WATER DISTRICT**  
**Community Facilities District No. 2**  
**Financing Authority**  
**(Montecito Ranch)**  
**9/30/2020**

Special Tax Fund (Acct #105636-014)  
Account Balance at Wilmington Trust

\$ -

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BONDS PR ACCT (Acct # 105636-015)  
Account Balance at Wilmington Trust

-

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Administrative Expense Fund(Acct #105636-016)  
Account Balance at Wilmington Trust

4.72

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Surplus Fund (Acct #105636-017)  
Account Balance at Wilmington Trust

305,326.53

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Prepayment Fund (Acct #105636-026)  
Account Balance at Wilmington Trust

-

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**TOTAL \$ 305,331.25**

**TEMESCAL VALLEY WATER DISTRICT**  
**Community Facilities District No. 3**  
**Financing Authority**  
**(The Retreat)**  
**9/30/2020**

Special Tax Fund (Acct #105636-019)  
Account Balance at Wilmington Trust

\$ -

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BONDS PR ACCT (Acct # 105636-020)  
Account Balance at Wilmington Trust

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Administrative Expense Fund(Acct #105636-021)  
Account Balance at Wilmington Trust

8.23

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Surplus Fund (Acct #105636-022)  
Account Balance at Wilmington Trust

744,031.15

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Prepayment Fund (Acct #105636-027)  
Account Balance at Wilmington Trust

-

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**TOTAL**

**\$ 744,039.38**

**TEMESCAL VALLEY WATER DISTRICT**  
**Community Facilities District No. 4**  
**Financing Authority**  
**(Terramor)**  
**9/30/2020**

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Special Tax Fund (Acct #133306-001)  
Account Balance at Wilmington Trust \$ 27,287.99

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Interest Acct (Acct #133306-002)  
Account Balance at Wilmington Trust 0.07

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BONDS PR ACCT (Acct #133306-003)  
Account Balance at Wilmington Trust -

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Administrative Expense Fund(Acct #133306-004)  
Account Balance at Wilmington Trust 45,999.42

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Reserve fund Fund (Acct #133306-005)  
Account Balance at Wilmington Trust 1,399,442.60

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Surplus Fund (Acct #133306-006)  
Account Balance at Wilmington Trust 20,576.51

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Redemption fund (Acct #133306-007)  
Account Balance at Wilmington Trust -

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Construction fund (Acct #133306-008)  
Account Balance at Wilmington Trust 4,260,213.55

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Cost of Issuance (Acct #133306-009)  
Account Balance at Wilmington Trust -

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**TOTAL \$ 5,753,520.14**

**TEMESCAL VALLEY WATER DISTRICT**  
**General Ledger**

**For the Period From Jul 1, 2020 to Sep 30, 2020**

Filter Criteria includes: 1) IDs from 567500.3 to 567500.5. Report order is by ID. Report is printed in Detail Format.

Account ID Account Description	Date	Reference	Jrn	Trans Description	Debit Amt	Credit Amt	Balance
567500.3	7/1/20			Beginning Balance			
EQUIPMENT REPAIRS & MAIN	7/1/20	17264	PJ	DOUGLAS ENVIRONMENTAL GROUP - ANNUAL TREATMENT PLANT FLOW METER CALIBRATIONS	3,255.00		
	7/1/20	423145-00	PJ	PETE'S ROAD SERVICE INC. - CHANGE OUT BLOWN TIRE ON GODWIN PUMP TRAILER	301.33		
	7/1/20	401025019	PJ	XYLEM - PUMP RENTAL FOR 3 MONTHS HEADWORKS EMERGENCY PUMP (GODWINGS-2)	4,117.36		
	7/7/20	24252	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	50.00		
	7/9/20	F-82279	PJ	CRAWFORD INLAND COMPRESSOR - SERVICE 3 SAYLOR BEAL COMPRESSOR FOR FILTER AREA	727.20		
	7/21/20	24366	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	50.00		
	7/22/20	INV2020-43	PJ	DON PETERSON CONTRACTING, INC. - CREW + CRANE TO SWAP OUT MOTIVE PUMP #5 + TO REMOVE OLD 10" PLUG VALVE + INSTALL NEW VALVE IN WEST HEADWORKS WET WELL	8,448.00		
	7/22/20	5128	PJ	UNITED POWER GENERATION - REPAIR WORK DONE AT PAINTED HILLS SEWER LIFT STATION NEW BATTERY, FUEL PUMP + ENGINE HEATER PARTS, LABOR	536.61		
	7/22/20	5129	PJ	UNITED POWER GENERATION - SEE ATTACHED FOR WORK DONE	2,457.15		
	7/24/20	M631643	PJ	CORE & MAIN - 10"FLG PLUG VALVE	3,427.09		
	7/24/20	I 2020-0793	PJ	D&H WATER SYSTEMS - DOOR FOR BLEACH SKID ENCLOSURE	452.13		
	7/30/20	13343	PJ	Maxim Security Services - ADMIN AND OPERATION SERVICE CALL	1,288.09		
	7/31/20	072220	PJ	US BANK GOVERNMENT SERVICES	137.50		
				Current Period Change	25,247.46		25,247.46
	8/1/20			Beginning Balance			25,247.46
	8/7/20	24391	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	40.00		
	8/12/20	M651995	PJ	CORE & MAIN - FOR THE EAST SIDE WET WELL	6,235.06		
	8/18/20	M849057	PJ	CORE & MAIN - PARTS FOR FEB BYPASS	478.56		
	8/18/20	M829123	PJ	CORE & MAIN - REPLACEMENT KNIFE VALVES FOR DRYING BEDS	1,967.47		
	8/18/20	M105958	PJ	CORE & MAIN - 4" FIGI FOR DRYING BEDS FOR TVWD	94.14		
	8/18/20	M581266	PJ	CORE & MAIN - MISC FLANGES BOLT KITS, TEES + PVC FOR FEB BY PASS PIPING	754.43		
	8/18/20	M850209	PJ	CORE & MAIN - MISC FLANGES BOLT KITS, TEES + PVC FOR FEB BY PASS PIPING	180.14		
	8/22/20	24472	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	50.00		
	8/26/20	296376	PJ	USA BLUEBOOK - 2 LITTLE SIANT PUMPS CL2 CONTACT	512.78		
	8/26/20	227392	PJ	USA BLUEBOOK - 85 GPD STENNER PUMPS FOR TREATMENT PLANT	754.14		
	8/26/20	401031994	PJ	XYLEM - PUMP RENTAL FOR 3 MONTHS HEADWORKS EMERGENCY PUMP (GODWINGS-2)	1,658.27		
	8/31/20	082420	PJ	US BANK GOVERNMENT SERVICES	366.00		
				Current Period Change	13,090.99		13,090.99
	9/1/20			Beginning Balance			38,338.45
	9/1/20	24505	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	48.00		
	9/3/20	9340	PJ	CENTERE ELECTRIC SERVICES INC. - INSTAL NEW CL 2 METER FOR	1,140.00		

**TEMESCAL VALLEY WATER DISTRICT  
General Ledger**

**For the Period From Jul 1, 2020 to Sep 30, 2020**

Filter Criteria includes: 1) IDs from 567500.3 to 567500.5. Report order is by ID. Report is printed in Detail Format.

Account ID Account Description	Date	Reference	Jrn	Trans Description	Debit Amt	Credit Amt	Balance
				INSTALL NEW CL2 METER FOR TREATMENT PLANT			
	9/3/20	657	PJ	HYDROCURRENT WELL SERVICES LLC - RECLAIMED PUMP #2 STRAIGHTENED SHAFT CHECK OUT PUMP	4,124.23		
	9/18/20	24530	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	50.00		
	9/30/20	24595	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	50.00		
	9/30/20	66012622	PJ	DEZURIK - RECYCLED WATER REPLACEMENT CHECK VALVE	3,241.12		
	9/30/20	66013316	PJ	DEZURIK - RECYCLED WATER REPLACEMENT CHECK VALVE	14,490.22		
				Current Period Change	23,143.57		23,143.57
	<b>9/30/20</b>			<b>Ending Balance</b>			<b>61,482.02</b>
567500.4 EQUIPMENT REPAIRS & MAIN	7/1/20			Beginning Balance			
	7/7/20	24252	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	50.00		
	7/21/20	24366	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	50.00		
	7/22/20	56432	PJ	RICHARDSON TECHNOLOGIES INC. - VFD BUILDING OUR RECLAIMED PUMP ROOM FIXED TRIPPED SYSTEM	317.50		
	7/22/20	5128	PJ	UNITED POWER GENERATION	469.54		
	7/22/20	5129	PJ	UNITED POWER GENERATION	2,150.02		
	7/31/20	072220	PJ	US BANK GOVERNMENT SERVICES	137.49		
				Current Period Change	3,174.55		3,174.55
	8/1/20			Beginning Balance			3,174.55
	8/7/20	24391	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	40.00		
	8/12/20	M646171	PJ	CORE & MAIN - FOR THE EAST SIDE WET WELL	279.25		
	8/22/20	24472	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	50.00		
	8/26/20	803241	PJ	GRISWOLD INDUSTRIES (CAL-VAL) - CLEANED UP SERVICE 3- WAY VALVE SYCAMORE BOOSTER 2	1,404.29		
	8/31/20	082420	PJ	US BANK GOVERNMENT SERVICES	320.00		
				Current Period Change	2,093.54		2,093.54
	9/1/20			Beginning Balance			5,268.09
	9/1/20	24505	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	42.00		
	9/1/20	804844	PJ	GRISWOLD INDUSTRIES (CAL-VAL) - ALL CLA-VAL DILOTS RETROFIT TO BE ABLE TO HANDLE HIGHER PRESSURE	6,024.23		
	9/18/20	24530	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	50.00		
	9/30/20	24595	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	50.00		
				Current Period Change	6,166.23		6,166.23
	<b>9/30/20</b>			<b>Ending Balance</b>			<b>11,434.32</b>
567500.5 EQUIPMENT REPAIRS & MAIN	7/1/20			Beginning Balance			
	7/22/20	56432	PJ	RICHARDSON TECHNOLOGIES INC.	317.50		
	7/22/20	5128	PJ	UNITED POWER GENERATION	335.38		
	7/22/20	5129	PJ	UNITED POWER GENERATION	1,535.72		
				Current Period Change	2,188.60		2,188.60
	8/1/20			Beginning Balance			2,188.60
	8/1/20	118969	PJ	BARRETT ENGINEERED PUMPS - REPLACED MOTOR BEARING PUMPS # 3 & 1 PUMP SEAL SYCAORE RECLAIM BOOSTER	3,825.33		
	8/12/20	735	PJ	HYDROCURRENT WELL SERVICES LLC - REPAIR WELL 4 CHANGE OUT PUMP MOTOR	5,271.39		

**TEMESCAL VALLEY WATER DISTRICT  
General Ledger**

**For the Period From Jul 1, 2020 to Sep 30, 2020**

Filter Criteria includes: 1) IDs from 567500.3 to 567500.5. Report order is by ID. Report is printed in Detail Format.

Account ID Account Description	Date	Reference	Jrn	Trans Description	Debit Amt	Credit Amt	Balance
				MOTOR			
	8/31/20	082420	PJ	US BANK GOVERNMENT SERVICES	227.78		
				Current Period Change	9,324.50		9,324.50
	9/1/20			Beginning Balance			11,513.10
	9/1/20	24505	CD	EDUARDO LOPEZ - EQUIPMENT REPAIRS & MAINT.	30.00		
	9/3/20	664	PJ	HYDROCURRENT WELL SERVICES LLC - INSTALL AN EQUIPMENT COVER ( REMOVABLE ROOF) AT SUMP WELL BOOSTER STATION	3,976.09		
				Current Period Change	4,006.09		4,006.09
	<b>9/30/20</b>			<b>Ending Balance</b>			<b>15,519.19</b>



# PMIA/LAIF Performance Report as of 10/14/20



## PMIA Average Monthly Effective Yields<sup>(1)</sup>

Sep	0.685
Aug	0.784
Jul	0.920

## Quarterly Performance Quarter Ended 09/30/20

LAIF Apportionment Rate <sup>(2)</sup> :	0.84
LAIF Earnings Ratio <sup>(2)</sup> :	0.00002309407394024
LAIF Fair Value Factor <sup>(1)</sup> :	1.004114534
PMIA Daily <sup>(1)</sup> :	0.65%
PMIA Quarter to Date <sup>(1)</sup> :	0.80%
PMIA Average Life <sup>(1)</sup> :	169

## Pooled Money Investment Account Monthly Portfolio Composition <sup>(1)</sup> 09/30/20 \$109.2 billion

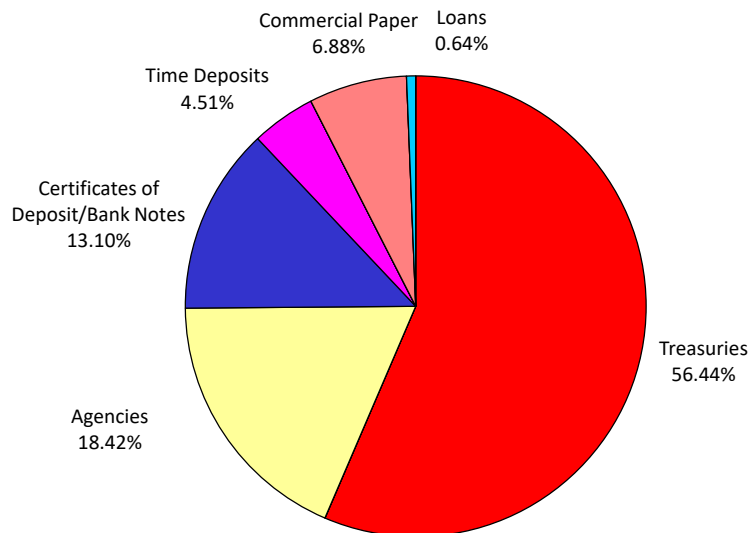


Chart does not include 0.01% of mortgages. Percentages may not total 100% due to rounding.

Daily rates are now available here. [View PMIA Daily Rates](#)

Notes: The apportionment rate includes interest earned on the CalPERS Supplemental Pension Payment pursuant to Government Code 20825 (c)(1) and interest earned on the Wildfire Fund loan pursuant to Public Utility Code 3288 (a).

Source:

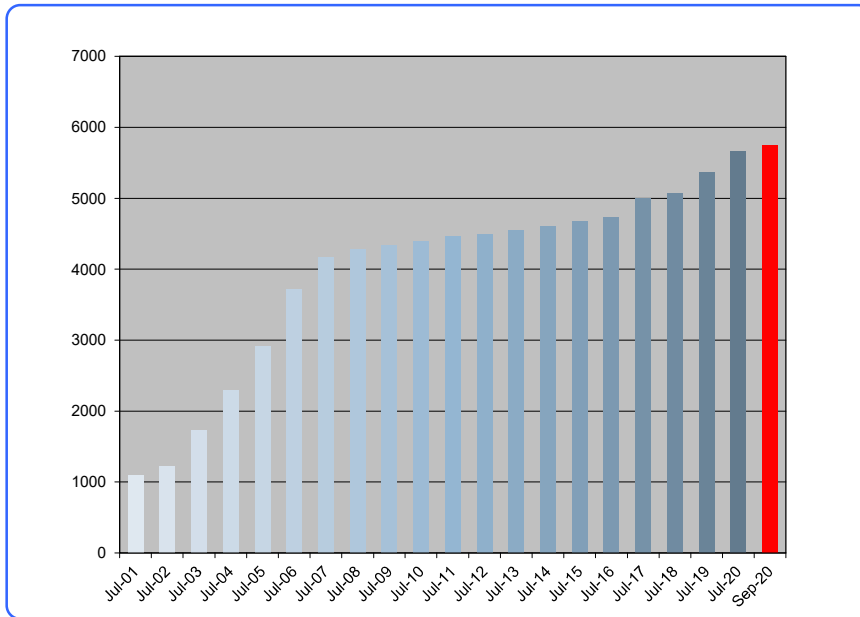
<sup>(1)</sup> State of California, Office of the Treasurer

<sup>(2)</sup> State of California, Office of the Controller



**TEMESCAL VALLEY WATER DISTRICT  
CUSTOMER COUNT PER YEAR(RESIDENTIAL)**  
(Excludes SID#1 and SID#2 sewer customers)

DATE	Jul-01	Jul-02	Jul-03	Jul-04	Jul-05	Jul-06	Jul-07	Jul-08	Jul-09	Jul-10	Jul-11	Jul-12	Jul-13	Jul-14	Jul-15	Jul-16	Jul-17	Jul-18	Jul-19	Jul-20	Sep-20
CUSTOMERS	1090	1223	1729	2295	2910	3718	4173	4279	4332	4386	4463	4492	4547	4605	4670	4736	5000	5076	5358	5662	5754



RESIDENTIAL	Total Homes	Completed Homes	
Wildrose Ranch	1043	1043	100%
Trilogy at Glen Ivy	1317	1317	100%
Painted Hills	204	204	100%
Canyon Oaks	26	26	100%
Montecito Ranch	306	306	100%
Sycamore Creek	1735	1732	100%
The Retreat	525	525	100%
Terramor	1443	551	38% 15 MODELS
Harmony Grove	50	50	100%
	<u>6649</u>	<u>5754</u>	87%

**TOTAL CUSTOMER COUNT REPORT**  
**September 30, 2020**

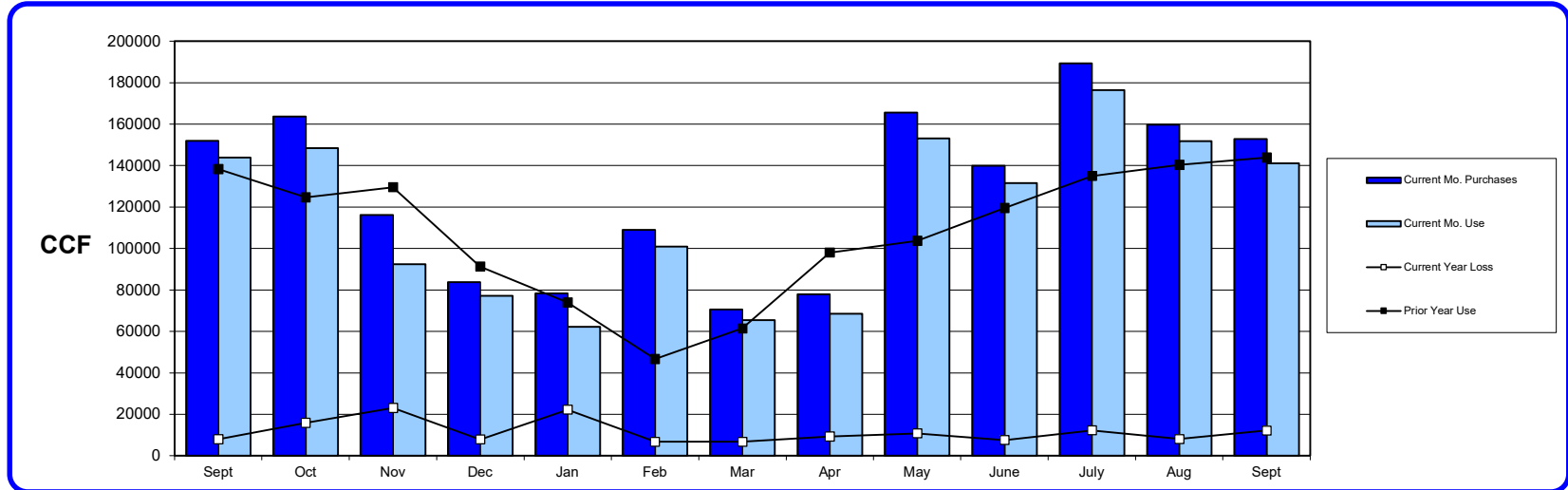
	Water & Sewer	Water Only	Sewer Only	Count
New homes added 38 Accts closed/transf 84 Empty Homes 0			Butterfield (305) Calif. Meadows (345)	
Residential	5684	2	650	6336
Commercial	92	0	2	94
Commercial-fireheld inactive	41			41
Public Govt	4	1	0	5
Irrigation-Industrial	0	68	0	68
Non-Potable Water other	0	156	0	156
Construction-Bulk Sales	0	17	0	17
<b>Total Active Customers</b>	<b>5821</b>	<b>244</b>	<b>652</b>	<b>6717</b>

**DELINQUENT REPORT**

Meters Read - Customers Billed	<b>6024</b>	
Received Delinquent Notice on current bill	438	7.27%
Turned Off for lack of payment	0	0.00%
Customers turned back on, amount paid	0	0.00%

## WATER USAGE REPORT FOR THIRTEEN MONTHS

	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	TOTAL
Beg Water Levels	9628	9628	9628	9628	9628	9628	9628	9628	9628	9628	9628	9628	9628	
Ending Water Levels	10908	10430	11025	9761	11884	13221	9749	9832	11457	12313	12949	12811	12481	
Cur Yearly Purchases	151898	163770	116068	83803	78380	108992	70586	77875	165618	139964	189306	159742	152858	1658860
Cur Yr Monthly Use	143820	148423	92435	77239	62210	100925	65393	68501	153127	131536	176462	151828	141011	1512910
Prior Yr Monthly Use	138302	124684	129569	91254	73902	46657	61401	98045	103672	119497	134958	140366	143820	1406127



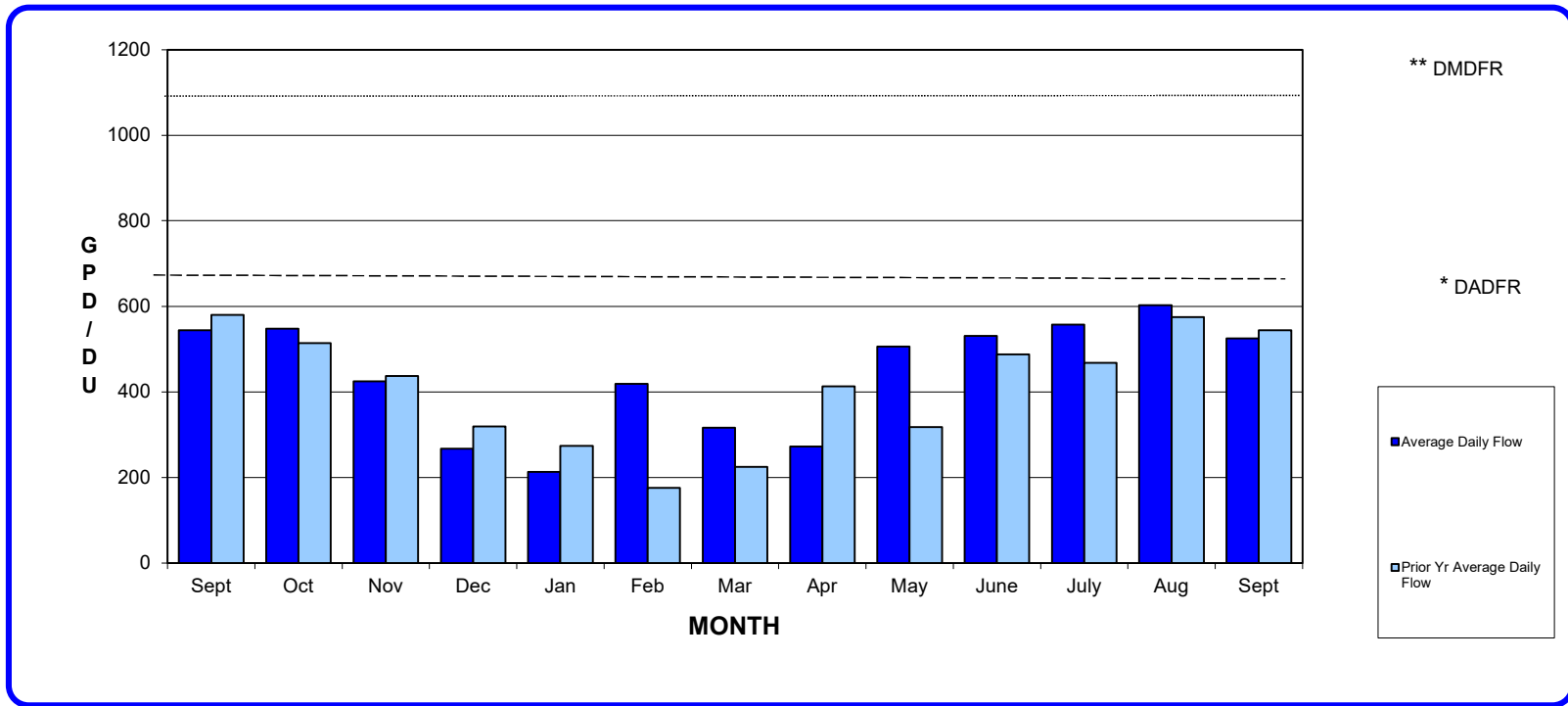
**KEY**

2018-2019
2019-2020
2020-2021

SUMMARY	CCF
Beginning Water in System	9628 CCF
Water Purchased in last 13 months	1658860 CCF
Water Used in last 13 months	1512910 CCF
Water Remaining in System	12481 CCF
<b>(Loss)/Gain over last 13 months</b>	<b>(143097) CCF</b>
	<b>-8.63%</b>

## RESIDENTIAL WATER USAGE AVERAGE DAILY FLOW (GALLONS per DAY per RESIDENTIAL UNIT CONNECTED)

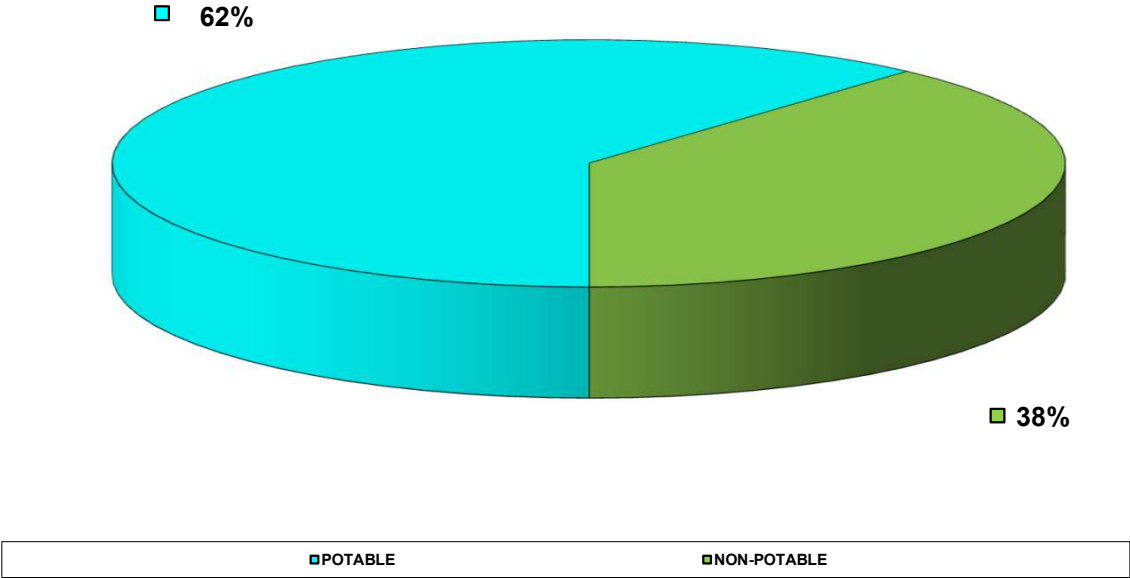
	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	YEARLY AVERAGE
Average Daily Flow	544	547	424	267	213	419	316	272	506	531	557	603	525	432
Prior Yr Average Daily Flow	580	514	437	319	274	176	225	413	318	488	468	575	544	396



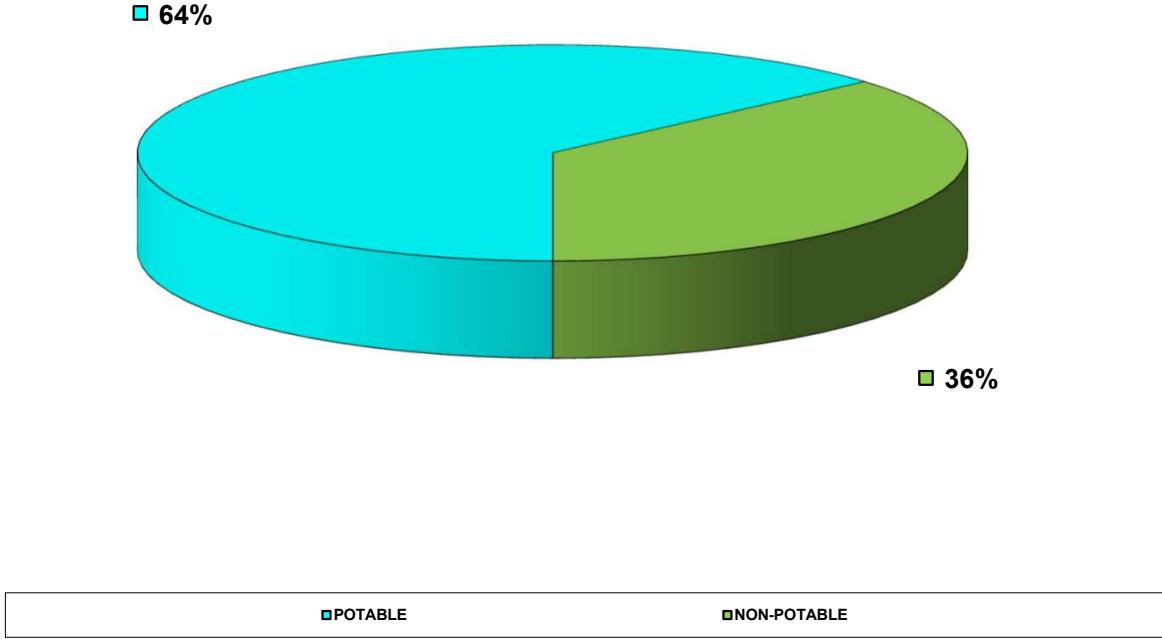
Key
2018-2019
2019-2020
2020-2021

\* DESIGN AVERAGE DAILY FLOW RATE IN GPD (650)  
 \*\* DESIGN MAXIMUM DAILY FLOW RATE IN GPD (1140)

**Temescal Valley Water District  
Volume of Water Sold  
For Three Month Ending September 30, 2020  
F/Y 2020-2021**

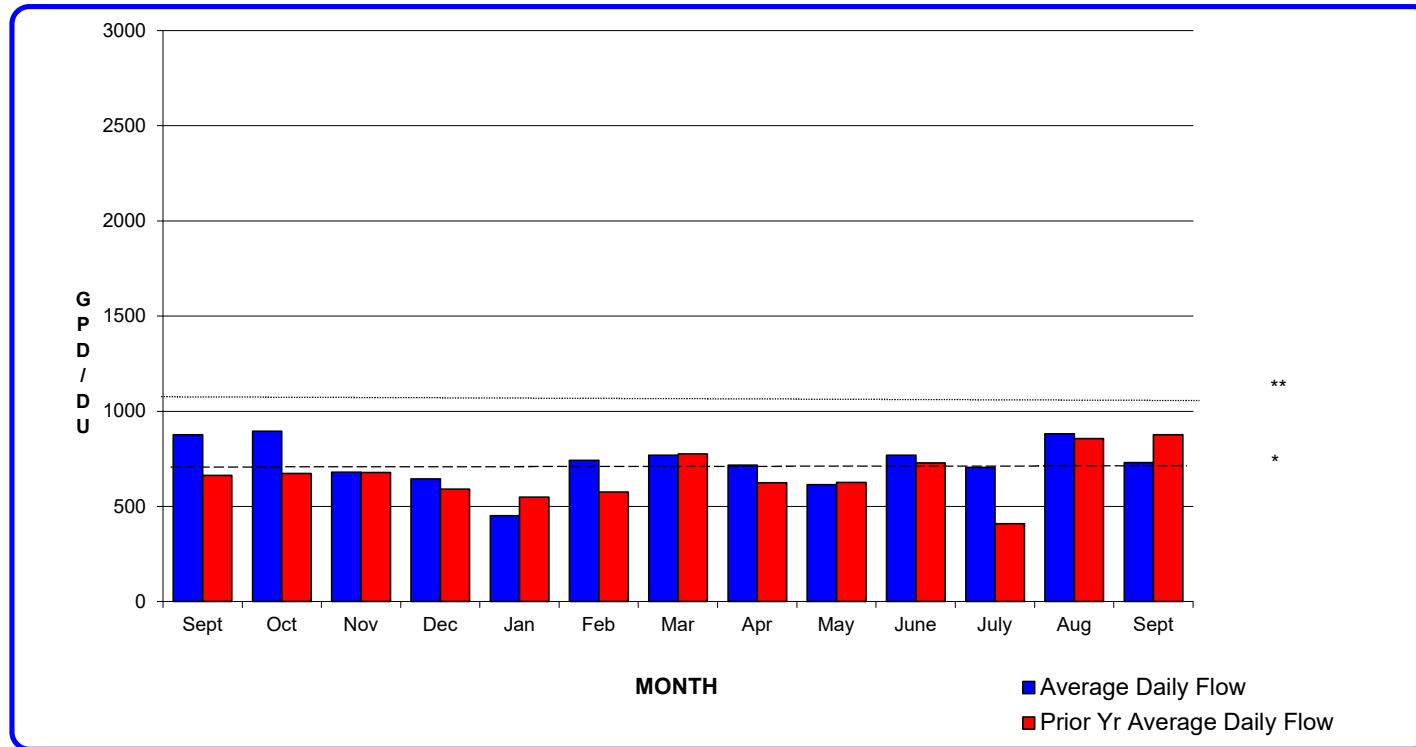


**Temescal Valley Water District  
Water Volume Sold  
For F/Y 2019-2020  
Twelve Months**



## COMMERCIAL WATER USAGE AVERAGE DAILY FLOW (GALLONS per DAY per COMMERCIAL DWELLING UNIT CONNECTED)

	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	YEARLY AVERAGE
Average Daily Flow	877	896	679	644	451	742	769	717	615	769	705	881	730	717
Prior Yr Average Daily Flow	663	673	678	591	548	576	776	624	626	729	408	856	877	1137



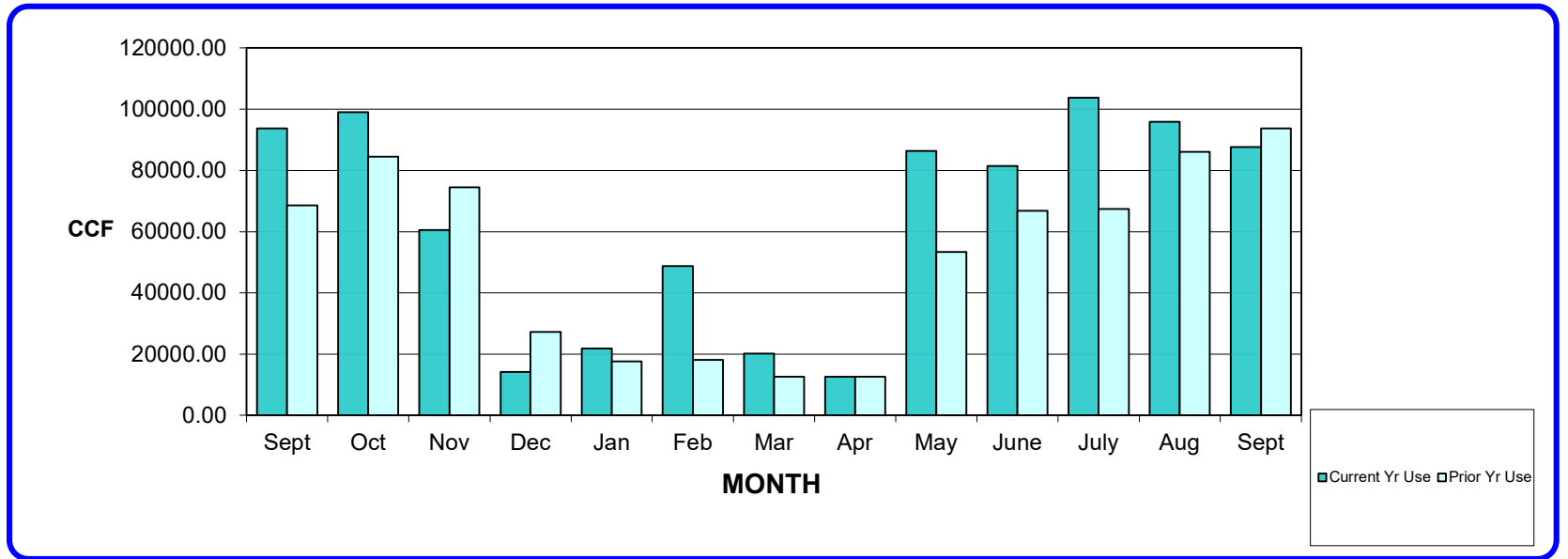
Key
2018-2019
2019-2020
2020-2021

\* DESIGN AVERAGE DAILY FLOW RATE IN GPD (650)

\*\* DESIGN MAXIMUM DAILY FLOW RATE IN GPD (1140)

## RECYCLED AND NON-POTABLE WELL WATER MONTHLY FLOW (ccf)

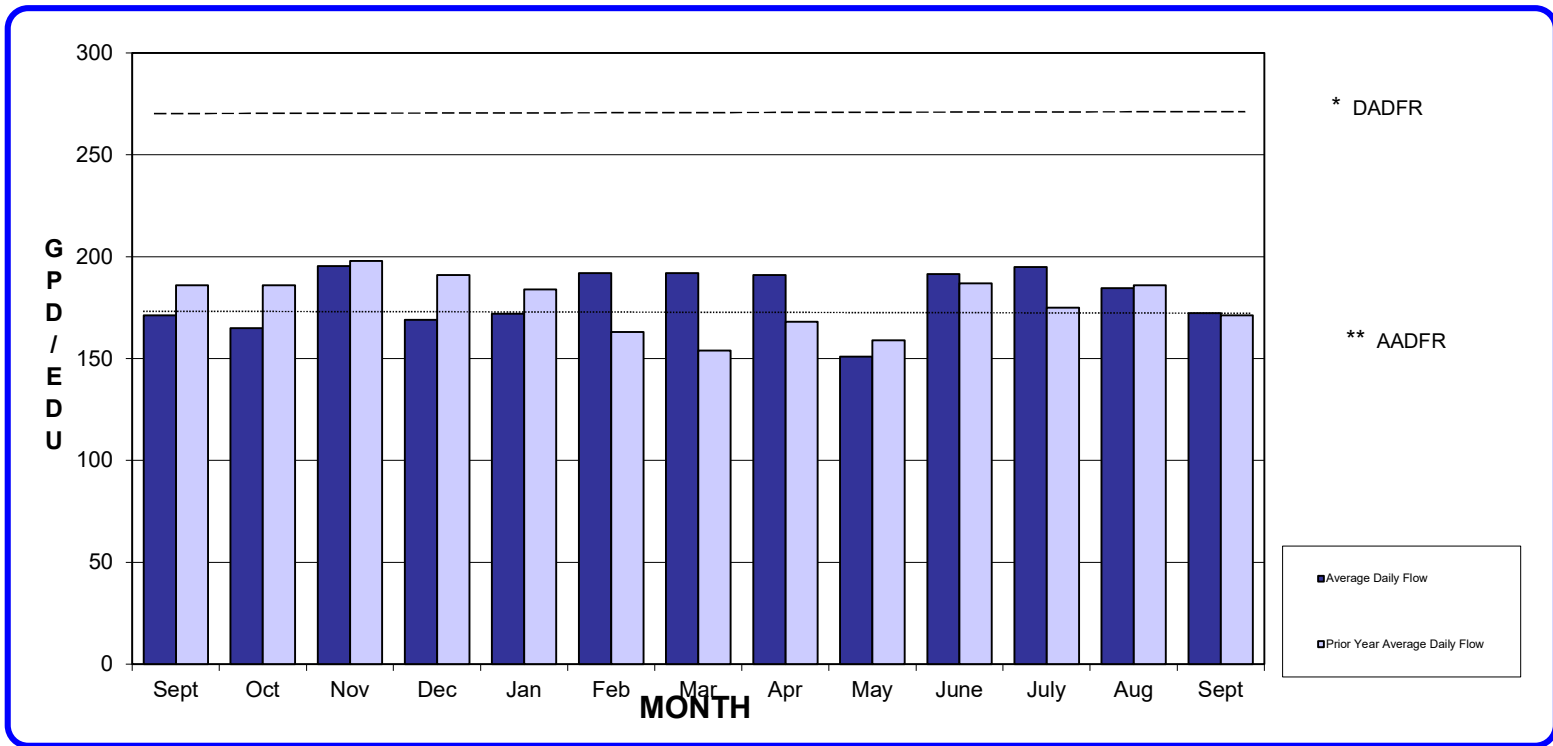
	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
<b>Current Yr Use</b>	93701.87	99015.59	60473.74	14232.16	21818.51	48679.88	20213.59	12552.04	86301.85	81489.94	103731.39	95840.25	87622.51
<b>Prior Yr Use</b>	68554.80	84552.12	74461.87	27296.00	17558.51	18076.74	12612.78	12612.78	53401.21	66847.21	67458.40	86056.00	93701.87
<b>Revenue</b>	\$234,758	\$256,161	\$185,101	\$62,123	\$57,630	\$122,436	\$71,529	\$68,209	\$188,499	\$183,930	\$239,620	\$221,391	\$243,411



Key	
2018-2019	
2019-2020	
2020-2021	

## RESIDENTIAL & COMMERCIAL SEWER USAGE AVERAGE DAILY FLOW (GALLONS per DAY per DWELLING UNIT)

	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	12-Month Average
Average Daily Flow	171	165	195	169	172	192	192	191	151	191	195	185	172	195
Prior Year Average Daily Flow	186	186	198	191	184	163	154	168	159	187	175	186	171	177



**Key**  
 2018-2019  
 2019-2020  
 2020-2121

\*\* ACTUAL AVERAGE DAILY FLOW RATE IN GPD

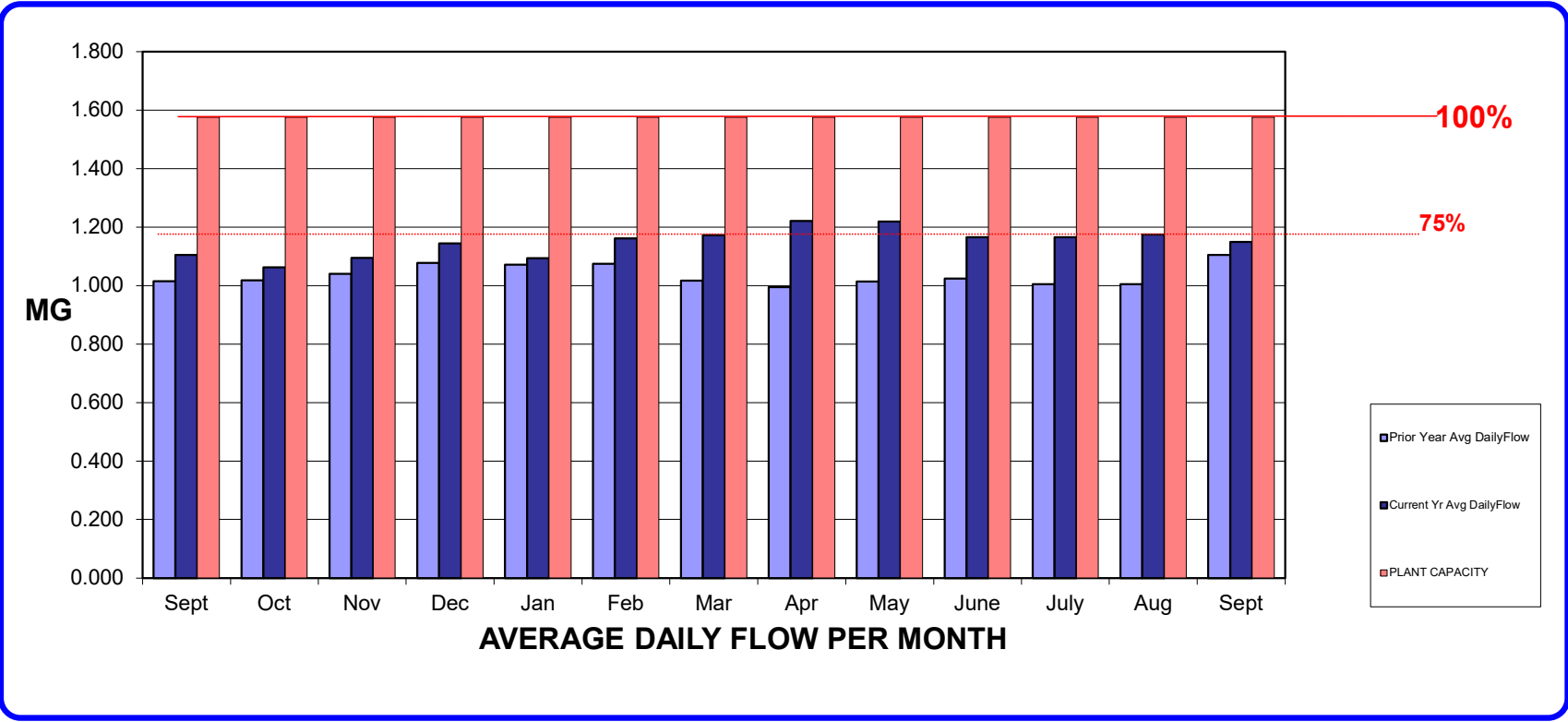


# RECLAMATION PLANT FLOW REPORT

## AVERAGE DAILY FLOW (Million Gallons)

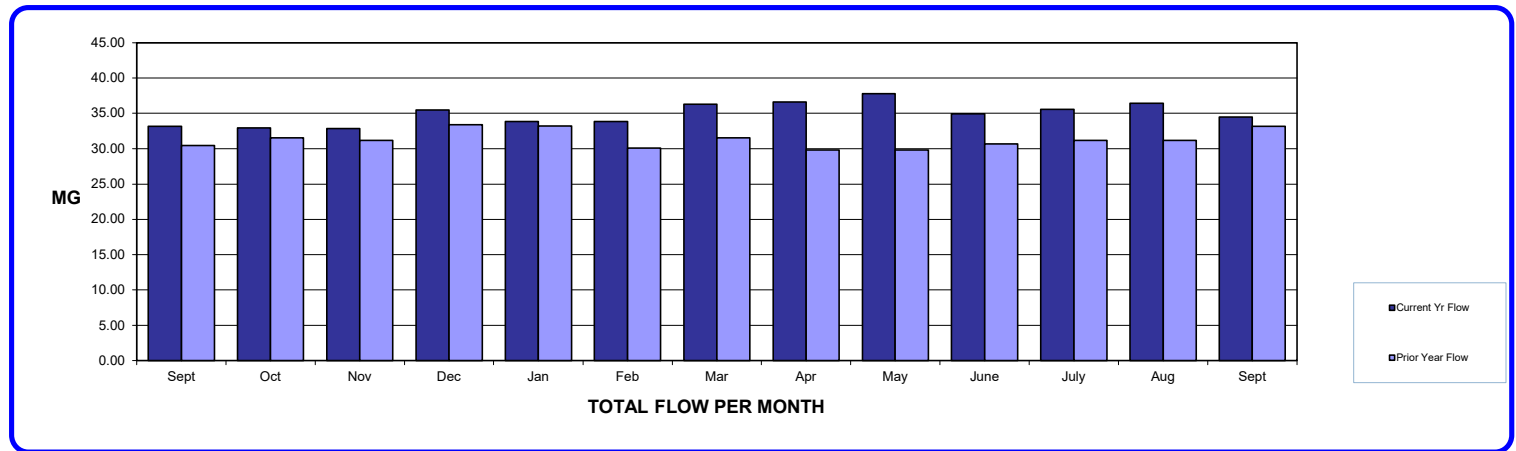
Key
2018-2019
2019-2020
2020-2021

	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
Current Yr Avg DailyFlow	1.1050	1.0620	1.0950	1.1440	1.0930	1.1610	1.1720	1.2210	1.2190	1.1650	1.1650	1.1750	1.1490
Prior Year Avg DailyFlow	1.0150	1.0180	1.0400	1.0770	1.0720	1.0750	1.0170	0.9940	1.0140	1.0240	1.0050	1.0050	1.1050
PLANT CAPACITY	1.575	1.575	1.575	1.575	1.575	1.575	1.575	1.575	1.575	1.575	1.575	1.575	1.575



## RECLAMATION PLANT DISCHARGE REPORT MONTHLY FLOW (Million Gallons)

	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Total/yr
<b>Current Yr Flow</b>	<b>33.15</b>	<b>32.92</b>	<b>32.84</b>	<b>35.47</b>	<b>33.87</b>	<b>33.87</b>	<b>36.30</b>	<b>36.65</b>	<b>37.78</b>	<b>34.95</b>	<b>35.59</b>	<b>36.44</b>	<b>34.47</b>	<b>421.14</b>
<b>Prior Year Flow</b>	<b>30.46</b>	<b>31.55</b>	<b>31.19</b>	<b>33.38</b>	<b>33.21</b>	<b>30.11</b>	<b>31.53</b>	<b>29.82</b>	<b>29.82</b>	<b>30.71</b>	<b>31.17</b>	<b>31.16</b>	<b>33.15</b>	<b>376.80</b>
<b>Potential Revenue</b>	\$132,500	\$131,581	\$131,261	\$141,177	\$134,802	\$134,802	\$144,474	\$145,867	\$150,364	\$139,101	\$141,648	\$145,031	\$145,031	\$1,685,139

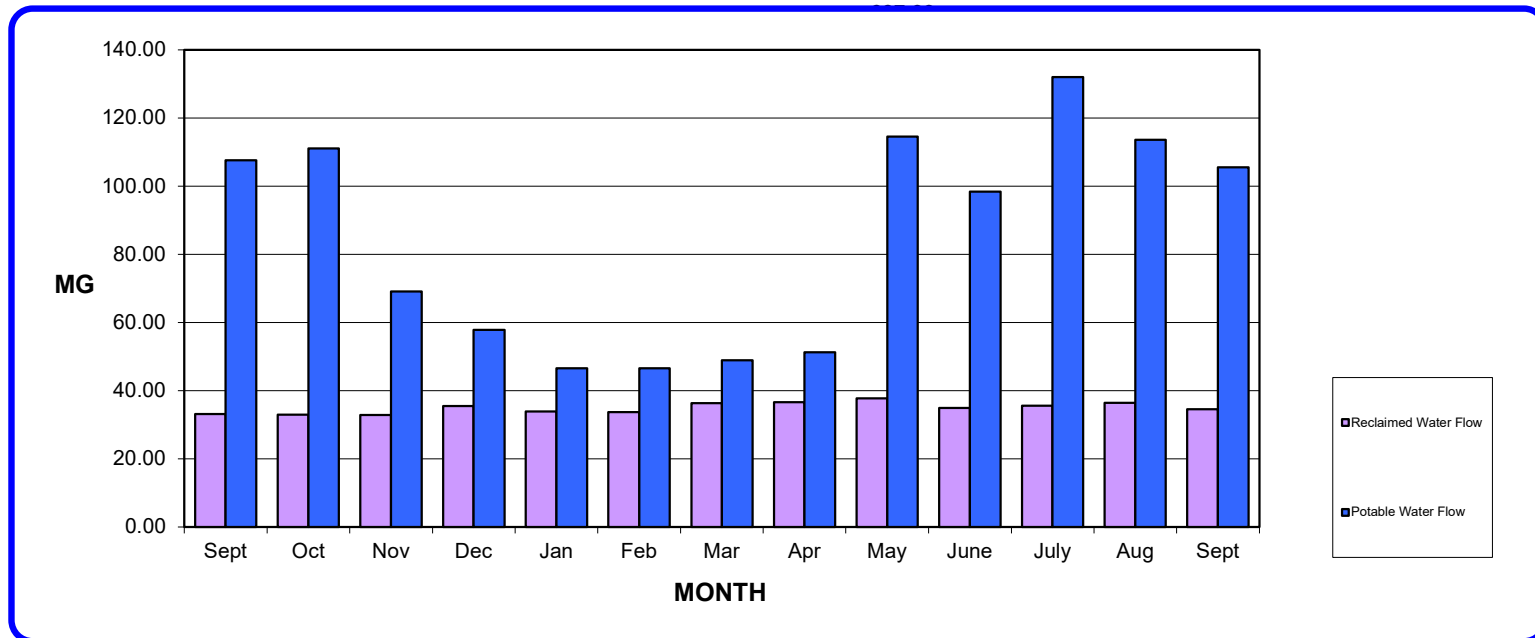


Key  
 2018-2019  
 2019-2020  
 2020-2021

Note - recycled water only

## RECLAIMED WATER VERSUS POTABLE WATER MONTHLY FLOW (Million Gallons)

	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept
<b>No. of Sewer Dwelling Units Connected</b>	6371	6413	6423	6480	6463	6513	6512	6513	6583	6611	6639	6658	6667
<b>Reclaimed Water Flow</b>	33.15	32.92	32.84	35.47	33.87	33.68	36.30	36.65	37.78	34.95	35.59	36.44	34.47
<b>Potable Water Flow</b>	107.58	111.02	69.14	57.78	46.53	46.53	48.91	51.24	114.54	98.39	131.99	113.57	105.48



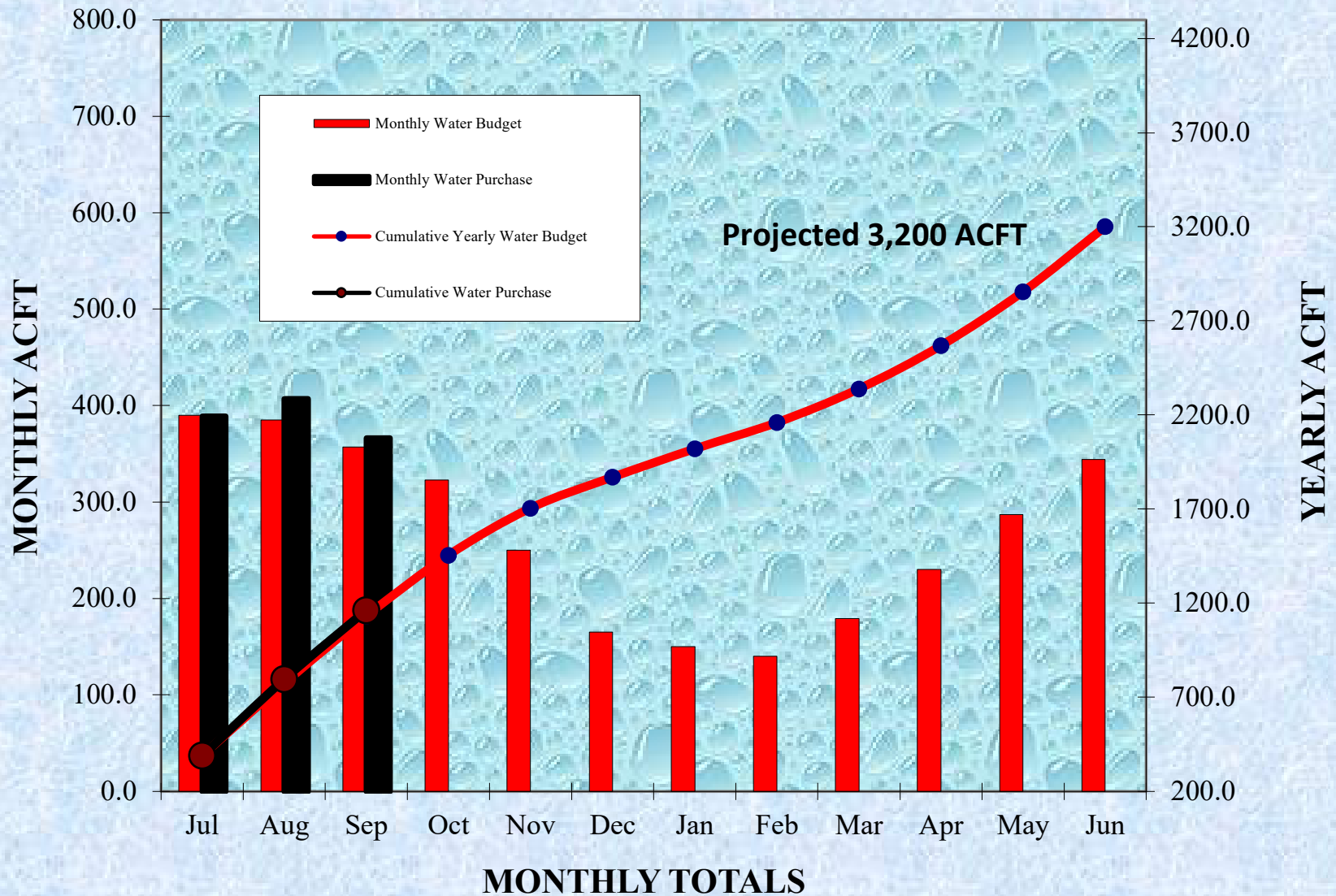
AMOUNTS IN UNITS (CCF) (ONE UNIT = 748 GALS.)

Month	Wildrose(2)	Montecito(3)	Trilogy(4)	Painted Hills(5)	Syc Crk(6)	Retreat(7)	Terramor(8)	Harmony Gr	Avg All Resid	AVG IND-BK / IRR (1)	TOTAL		
											RECYCLED	NONPOT-Other	NONPOT-Trilogy Golf
AVG '07-'08	18.1	32.7	15.9	32.2	21.7	37.1	0.03	-	25.9	106.6			
AVG '08-'09	24.6	33.8	17.0	33.3	32.6	40.8	-	-	25.4	53.3			
AVG '09-'10	21.9	30.0	15.8	30.2	26.3	38.0	-	-	23.0	51.7			
AVG '10-'11	20.6	27.6	15.5	25.8	25.1	35.2	-	-	22.3	36.0			
AVG '11-'12	21.0	27.9	15.9	27.3	24.7	34.0	-	-	22.5	82.3			
AVG '12-'13	21.9	31.3	15.6	27.5	23.6	30.5	-	-	22.9	190.0			
AVG '13-'14	22.5	33.8	16.5	28.2	24.5	30.6	-	-	23.0	9.8			
AVG '14-'15	20.7	28.4	15.4	26.8	21.9	28.2	-	-	21.2	62.8			
AVG '15-'16	17.4	21.3	10.6	22.4	16.9	24.3	-	-	16.5	105.4	38,401.9	4,639.1	18,977.2
AVG '16-'17	18.4	26.4	16.7	24.8	18.5	27.1	26.4	-	19.4	211.0	46,977.4	8,442.6	16,068.4
AVG '17-'18	18.2	22.9	14.0	25.4	18.4	27.1	16.0	-	18.8	378.4	48,106.6	4,904.8	16,348.5
AVG '18-'19	20.3	26.4	15.7	27.1	19.2	27.3	12.9	0.3	19.5	145.9	39,101.6	4,511.4	12,445.3
AVG '19-'20	20.1	24.4	15.4	25.6	18.6	27.2	12.7	6.1	18.9	399.3	41,168.9	3,775.2	11,460.0
Jul-20	31.2	42.5	25.5	38.9	27.4	45.0	18.1	9.6	29.8	31.4	54,354.0	6,744.5	24,829.5
Aug-20	25.8	35.3	24.4	35.2	23.0	39.3	16.0	7.6	25.7	51.1	64,441.2	7,067.0	19,876.2
Sep-20	24.1	35.5	21.2	31.8	21.57	36.1	16.6	6.6	23.9	13.37	59,913.0	5,150.0	17,782.0

# WHOLESALE BUDGET vs PURCHASE

## Water Year July 2020 through June 2021

**3200 ACFT PROJECTION )**





October 27, 2020

Board of Directors  
Temescal Valley Water District

RE: General Manager's Report

Dear Board:

The following is a brief status report on several issues that I have been involved in since the last meeting.

- Working on non-potable water supply improvements
  - Park Canyon Drive RW line – The property has been sold and I am working with the new owners to get the necessary easements. Will Serve Letters were renewed.
- Working on Conservation opportunities and RW/NP conversion locations
  - New District programs for turf and nozzles
  - Will start the conversation with Corona once the Knabe loop is in place to take certain customers and extend the RW system – that will provide conversion opportunities.
- Working with Land Developers on water and sewer fees for multiple infill projects.
  - Deleo adjacent to Tom's Farms – no news
  - Forest Boundary –home building continues -Last Phase
  - Retreat Infill – Kiley Court – Plans signed –
  - Temescal Canyon Road at Campbell Ranch Road – Improvement plans signed – contacted by proposed buyer for discussion on improvements required.
  - Kiley Family Trust Property – Tract Map Stage - Public Hearing scheduled
- Terramor CFD – CFD 4 annexation of Phase 2 completed - Constructing the WRF expansion
- Terramor Review:
  - Phase 3 –Contacted by Engineer that improvement plans are being developed
- Terramor Onsite Water, Sewer and RW improvements
  - Work continues Improvement Area 2 – Richmond America, Pardee and Pulte
- Sycamore Creek:
  - TM 36317 Water Sewer and RW improvement plans – TVWD infrastructure is 100% complete – Booster SP complete, accepted by the District and in operation.
- WRF 225K GPD upgrade
  - Submittal review continues and contractor on site –new electrical feed completed, Bypass Vault completed, Digester walls are complete, SBR floors and walls poured, West Influent lift station complete. Electrical duct banks 60%. Piping and equipment beginning to be installed. Work started on EQ lift Station and East Wet Well. New sand filter walls being constructed – blowers and odor control installation continues. EQ PS complete.
- Knabe Road Looping:
  - Contract signed – additional work required and realignment – Change order required to start work. Report at the Board meeting

Temescal Valley Water District

22646 Temescal Canyon Road | Temescal Valley, CA 92883-4106 | tel: 951.277.1414 | fax: 951.277.1419  
www.temescalvwd.com

# MEMORANDUM

DATE: October 27, 2020

TO: Board of Directors  
Temescal Valley Water District

FROM: General Manager

SUBJECT: Project: Phase IV Water Reclamation Facility Expansion Project –Payment Request 11  
Contractor: PACIFIC HYDROTECH CORPORATION  
TVWD CAP Project No. S-1-2015

## BACKGROUND

The District approved the bid with Pacific Hydrotech Corporation in the amount of \$16,444,500.00

## Project Summary

Contract -	\$16,444,500.00
Change Orders Approved to Date	<u>\$28,980.07</u>
Current Contract Amount	\$16,473,480.07

Earned this Period -	\$949,555.00
5% retention -	\$ 47,477.75
Earned less retention -	\$902,077.25

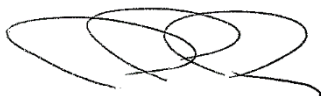
**DUE - Contractor      \$ 949,555.00**

## RECOMMENDATION

It is recommended that the Board of Directors:

1. Authorize the payment of \$949,555.00 which is a current payment of \$902,077.25 to the Contractor and a retention payment of \$47,477.75 to be deposited in an Escrow Account.

Respectfully submitted,



Jeff Pape  
General Manager

Pacific Hydrotech Payment Requests

Period Thru	Date Submitted	Date Approved	Date Paid	Payment Request No.	Total Comp to Date	COST RESPONSIBILITY		PAYMENT SOURCE (see notes)				Math Check		
						Approved this Period	33.33% TVWD	66.67% FORESTAR	TVWD		FORESTAR		Retainage 5.00%	PHC 95.00%
									Retainage	PHC				
11/30/2019	12/9/2019	12/10/2019	12/17/2019	Request No. 1	\$ 638,750.00	\$ 638,750.00	\$ 212,916.67	\$ 425,833.33	\$ 10,645.83	\$ 202,270.83	\$ 21,291.67	\$ 404,541.67	\$ 31,937.50	\$ 606,812.50
12/31/2019	1/6/2020	1/14/2020	1/28/2020	Request No. 2	\$ 942,930.00	\$ 304,180.00	\$ 101,393.33	\$ 202,786.67	\$ 5,069.67	\$ 96,323.67	\$ 10,139.33	\$ 192,647.33	\$ 15,209.00	\$ 288,971.00
1/31/2020	2/21/2020	3/17/2020	3/24/2020	Request No. 3	\$ 1,864,845.00	\$ 921,915.00	\$ 307,305.00	\$ 614,610.00	\$ 15,365.25	\$ 291,939.75	\$ 30,730.50	\$ 583,879.50	\$ 46,095.75	\$ 875,819.25
2/29/2020	3/19/2020	4/2/2020	4/28/2020	Request NO. 4	\$ 2,690,745.00	\$ 825,900.00	\$ 275,300.00	\$ 550,600.00	\$ 13,765.00	\$ 261,535.00	\$ 27,530.00	\$ 523,070.00	\$ 41,295.00	\$ 784,605.00
3/31/2020	4/13/2020	4/16/2020	4/28/2020	Request No. 5	\$ 3,124,195.00	\$ 433,450.00	\$ 144,483.33	\$ 288,966.67	\$ 7,224.17	\$ 137,259.17	\$ 14,448.33	\$ 274,518.33	\$ 21,672.50	\$ 411,777.50
4/30/2020	5/14/2020	5/19/2020	5/26/2020	Request No. 6	\$ 4,108,360.00	\$ 984,165.00	\$ 328,055.00	\$ 656,110.00	\$ 16,402.75	\$ 311,652.25	\$ 32,805.50	\$ 623,304.50	\$ 49,208.25	\$ 934,956.75
5/31/2020	6/1/2020	6/11/2020	6/23/2020	Request No. 7	\$ 5,208,145.00	\$ 1,099,785.00	\$ 366,595.00	\$ 733,190.00	\$ 18,329.75	\$ 348,265.25	\$ 36,659.50	\$ 696,530.50	\$ 54,989.25	\$ 1,044,795.75
6/30/2020	7/2/2020	7/9/2020	7/28/2020	Request No. 8	\$ 6,094,655.00	\$ 886,510.00	\$ 295,503.33	\$ 591,006.67	\$ 14,775.17	\$ 280,728.17	\$ 29,550.33	\$ 561,456.33	\$ 44,325.50	\$ 842,184.50
7/31/2020	8/6/2020	8/13/2020	8/25/2020	Request No. 9	\$ 7,545,125.00	\$ 1,450,470.00	\$ 483,490.00	\$ 966,980.00	\$ 24,174.50	\$ 459,315.50	\$ 48,349.00	\$ 918,631.00	\$ 72,523.50	\$ 1,377,946.50
8/31/2020	9/9/2020	9/10/2020	9/27/2020	Request No. 10	\$ 8,585,310.00	\$ 1,040,185.00	\$ 346,728.33	\$ 693,456.67	\$ 17,336.42	\$ 329,391.92	\$ 34,672.83	\$ 658,783.83	\$ 52,009.25	\$ 988,175.75
9/30/2020	10/7/2020	10/15/2020	10/27/2020	Request No. 11	\$ 9,534,865.00	\$ 949,555.00	\$ 316,518.33	\$ 633,036.67	\$ 15,825.92	\$ 300,692.42	\$ 31,651.83	\$ 601,384.83	\$ 47,477.75	\$ 902,077.25
TOTALS TO DATE						\$ 9,534,865.00	\$ 3,178,288.33	\$ 6,356,576.67	\$ 158,914.42	\$ 3,019,373.92	\$ 317,828.83	\$ 6,038,747.83	\$ 476,743.25	\$ 9,058,121.75

Notes:

- 1 Retainage - to Approved Escrow Account
- 2 TVWD Payment Source - Sewer Fund
- 3 Foremost Payment Source - CFD no. 4



**EXHIBIT B  
TVWD SEWER TREATMENT PLANT EXPANSION**

Actual	Paid/responsibility	
	TVWD	Forestar
<b>Generator Replacement</b>		
Generator Replacement	\$ 415,400.00	ACS Engineering Contract
Contingency 10%	\$ -	
Design Engineering 9%	\$ 46,150.00	By Dexter Wilson/Forestar
Plan Check	\$ 5,470.00	Estimated TVWD Inspection
CM and Inspection	\$ 26,250.00	Estimated Dudek Bidding
	\$ 493,270.00	
<b>SBR Controls And Equipment</b>		
SBR Controls And Equipment	\$ 1,110,117.00	Parkson Corporation Contract
Contingency 10%	\$ 111,011.70	
Design Engineering	\$ -	By Dexter Wilson/Forestar
Plan Check & Inspection 4%	\$ 12,000.00	Estimated TVWD Inspection
Construction Management 5%	\$ 15,000.00	Estimated Dudek Bidding
	\$ 1,248,128.70	
<b>Phase VI Treatment Plant Expansion</b>		
Phase VI Treatment Plant Expansion	\$ 16,444,500.00	
10% Contingency	\$ 1,644,450.00	
Design Engineering	\$ 998,538.00	By Dexter Wilson/Forestar
Plan Check & Inspection		
Plan Check - TVWD	\$ 43,973.09	Paid By Forestar
Inspection - TVWD	\$ 60,000.00	Estimate - Non Process Equip.
Construction Management		
Bidding	\$ 23,600.00	Bid Package - Murow
Labor Compliance/Contract Admin	\$ 502,280.00	Murow-Sr CM, Assist CM, Snr PM
Dexter Wilson	\$ 100,000.00	Bid RFI's, Constr. RCO, RFI's
TVWD	\$ 75,000.00	Estimate - SCADA/Integrator
	\$ 19,892,341.09	
<b>Total</b>	\$ 21,633,739.79	\$ 2,450,658.70
	\$ 32.05	\$ 1,094,131.09
	\$ 8,333.00	

EDUs	Cost Responsibility per Agreements	%	Splits	Paid or Responsibility	Due During Const	Funds Required	Delta
865.38	TVWD %	0.33333	\$ 7,211,246.60	\$ 2,450,658.70	\$ 4,760,587.90	\$ 4,760,587.90	\$ -
1,570.24	Forestar %	0.66667	\$ 13,084,793.19				
165.00	Glen Ivy GOCO	0.06370	\$ 1,337,700.00				
1,345.22	CFD Bond funding = 85.67%		\$ 11,209,742.33		\$ 11,209,742.33	\$ 9,983,749.00	\$ (1,225,993)
225.02	Developer = 14.33%		\$ 1,875,050.86	\$ 1,094,131.09	\$ 780,919.77	\$ 1,337,700.00	\$ 556,780
			\$ 21,633,739.79		\$ 16,751,250.00		\$ (669,213)

**Pacific Hydrotech Contract Summary**

Contract Amount	\$ 16,444,500.00
Primary Cover Beams Change Orders	\$ 28,980.07
Lead Electrical Work	\$ 94,137.69
<b>Current contract Amount</b>	<b>\$ 16,567,617.76</b>

**BOND CONSTRUCTION FUND AMOUNT**

BOND PROCEEDS	\$ 20,579,272.42
Interest to 10/1/20	\$ 254,898.67
<b>Total 10/1/2020</b>	<b>\$ 20,834,171.09</b>

FOREMOST PAID	<b>(\$10,850,421.55)</b>
Pac Hydro	<b>\$ (6,356,576.67)</b>
Remaining 10/1/2020	\$ 3,627,172.87

TVWD paid Incidentals as of 10/1/2020	
Engineering	\$ 321,746.00
Specialized inspection	\$ 55,917.00
Construction Management	\$ 305,702.00
EDISON	\$ 24,360.00
SCADA/ Controls	\$ 56,018.00
Temp Facilities	\$ 34,000.00
	<b>\$ 797,743.00</b>

**PAYMENT APPLICATION**

**TO:** TEMESCAL VALLEY WATER DISTRICT  
22646 TEMESCAL CANYON RD  
CORONA CA 92883

**PROJECT NAME AND LOCATION:** C1916-WATER RECLAMATION PLANT  
PHASE IV  
22646 TEMESCAL CANYON RD  
CORONA CA 92883

**APPLICATION #** 11  
**PERIOD THRU:** 09/30/2020  
**Owner Project #:**

**DISTRIBUTION TO:**  
\_\_\_ CONTRACTOR  
\_\_\_ CONSTR. MGR.  
\_\_\_ CITY INSPECTOR  
\_\_\_ OWNER

**FROM:** PACIFIC HYDROTECH CORPORATION  
314 E. 3rd STREET  
PERRIS CA 92570

**OWNER:** TEMESCAL VALLEY WATER DISTRICT  
22646 TEMESCAL CANYON RD  
CORONA CA 92883

**DATE OF CONTRACT:** 8/16/2019

**CONTRACTOR'S SUMMARY OF WORK**

Application is made for payment as shown below.  
Continuation Page is attached

<b>1. CONTRACT AMOUNT</b>	16,444,500.00
<b>2. SUM OF ALL CHANGE ORDERS</b>	28,980.07
<b>3. CURRENT CONTRACT AMOUNT</b> (Line 1 + 2)	16,473,480.07
<b>4. TOTAL COMPLETED AND STORED</b> (Column G on Continuation Page)	9,534,865.00
<b>5. RETAINAGE:</b>	
A. 5% Of Completed Work (Columns D+ E on Continuation Page)	476,743.25
B. 5% of Material Stored (Column F on Continuation Page)	0.00
Total Retainage (Line 5a + 5b or Column I on Continuation Page)	476,743.25
<b>6. TOTAL COMPLETED AND STORED LESS RETAINAGE:</b> (Line 4 minus Line 5 Total)	9,058,121.75
<b>7. LESS PREVIOUS CERTIFICATES FOR PAYMENT:</b>	8,156,044.50
<b>8. CURRENT PAYMENT DUE:</b>	902,077.25
<b>9. BALANCE HELD BY OWNER:</b> Line 3 - Line 6	7,415,358.32

SUMMARY OF CHANGE ORDERS	ADDITIONS	DEDUCTIONS
Total changes approved in previous months	28,980.07	0.00
Total approved this month	0.00	0.00
<b>TOTALS</b>	28,980.07	0.00
<b>NET CHANGES</b>	28,980.07	

**CONTRACTOR:** PACIFIC HYDROTECH CORPORATION  
Contractor's signature below:

By: *Jonathan Hilber* Date: 10/7/2020

**CONSTRUCTION MANAGER: MUROW | DC**  
Construction Manager's signature below:

By: *Bob Weber* Date: 10/08/2020

**INSPECTOR:** TEMESCAL VALLEY WATER DISTRICT  
Inspector's signature below:

By: *Seland Kea* Date: 10-13-2020

**OWNER'S CERTIFICATION**

CERTIFIED AMOUNT: .....902,077.25

**OWNER:** TEMESCAL VALLEY WATER DISTRICT  
Owner's signature below

By: *[Signature]* Date: 10/15/2020

**PAYMENT APPLICATION DETAILS**

**Customer:** TEMESCAL VALLEY WATER DISTRICT  
**Project:** C1916-WATER RECLAMATION PLANT PHASE IV

**Application Number:** 11  
**For Period Ending:** 09/30/2020

A	B	C	D	E		F	G		H	I
Item Number - Description	Scheduled Value	From Previous Application	Work Completed		Total Percent this Period	Materials Presently Stored	Completed and Stored To Date	Total %	Balance To Finish	Retainage Value
			This Period Value							
01	MOB, BONDS, SOV, PROJECT SCHEDULE	820,000.00	743,500.00	3,000.00	0.37%	0.00	746,500.00	91.04	73,500.00	37,325.00
01.01	BONDS AND INSURANCE	350,000.00	350000.00	0.00	0.00%	0.00	350000.00	100.00	0.00	17,500.00
01.02	MOBILIZE EQUIPMENT AND TEMP FACILITIES	325,000.00	325000.00	0.00	0.00%	0.00	325000.00	100.00	0.00	16,250.00
01.03	DEMOB EQUIPMENT AND TEMP FACILITIES	30,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	30,000.00	0.00
01.04	BASELINE SCHEDULE SUBMITTAL	20,000.00	20000.00	0.00	0.00%	0.00	20000.00	100.00	0.00	1,000.00
01.05	CONSTRUCTION SCHEDULING	30,000.00	7500.00	0.00	0.00%	0.00	7500.00	25.00	22,500.00	375.00
01.06	PRECONSTRUCTION VIDEO	5,000.00	5000.00	0.00	0.00%	0.00	5000.00	100.00	0.00	250.00
01.07	MAINTAIN TEMP FACILITIES	60,000.00	36000.00	3,000.00	5.00%	0.00	39000.00	65.00	21,000.00	1,950.00
02	SHEETING, SHORING, AND BRACING	6,100.00	4,270.00	305.00	5.00%	0.00	4,575.00	75.00	1,525.00	228.75
02.01	TRENCH SHORING	6,100.00	4270.00	305.00	5.00%	0.00	4575.00	75.00	1,525.00	228.75
03	EROSION CONTROL	55,700.00	41,420.00	1,785.00	3.20%	0.00	43,205.00	77.57	12,495.00	2,160.25
03.01	BMP INSTALLATION	20,000.00	20000.00	0.00	0.00%	0.00	20000.00	100.00	0.00	1,000.00
03.02	BMP MAINTENANCE	35,700.00	21420.00	1,785.00	5.00%	0.00	23205.00	65.00	12,495.00	1,160.25
04	SURVEY	24,200.00	19,360.00	0.00	0.00%	0.00	19,360.00	80.00	4,840.00	968.00
04.01	SURVEY	24,200.00	19360.00	0.00	0.00%	0.00	19360.00	80.00	4,840.00	968.00
05	MAINTENANCE OF PLANT OPERATIONS	41,900.00	25,140.00	2,095.00	5.00%	0.00	27,235.00	65.00	14,665.00	1,361.75
05.01	MAINTAIN PLANT FACILITY OPERATIONS	41,900.00	25140.00	2,095.00	5.00%	0.00	27235.00	65.00	14,665.00	1,361.75
06	SCE CONDUIT AND PULL BOX INSTALLATION	231,100.00	212,525.00	0.00	0.00%	0.00	212,525.00	91.96	18,575.00	10,626.25
06.01	EXCAVATE AND BACKFILL FOR ELECTRICAL	95,000.00	95000.00	0.00	0.00%	0.00	95000.00	100.00	0.00	4,750.00
06.02	ELECT. DISCONNECT & REMOVAL OF WIRING	45,000.00	45000.00	0.00	0.00%	0.00	45000.00	100.00	0.00	2,250.00
06.03	FURNISH & INSTALL PULL BOX PER DE0.0	12,500.00	12500.00	0.00	0.00%	0.00	12500.00	100.00	0.00	625.00
06.04	FURNISH & INSTALL SCE CONDUIT PER DE0.0	55,000.00	55000.00	0.00	0.00%	0.00	55000.00	100.00	0.00	2,750.00
06.05	INTERCEPT LIGHTING CONDUIT DE0.0 NOTE 13	3,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	3,500.00	0.00

06.06	REROUTE SBR ELECTRICAL DE0.0 NOTE 14	20,100.00	5025.00	0.00	0.00%	0.00	5025.00	25.00	15,075.00	251.25
07	DEMO, REMOVAL, ABANDONMENT IN PLACE, ETC	142,600.00	17,700.00	0.00	0.00%	0.00	17,700.00	12.41	124,900.00	885.00
07.01	DEMO SUB MOBILIZATION	4,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	4,000.00	0.00
07.02	DEMOLISH & REMOVE GRIT CHAMBER STRUCTURE	35,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	35,000.00	0.00
07.03	DEMO & REMOVE GRIT CHAMBER PUMPS & PADS	20,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	20,000.00	0.00
07.04	DEMO & REMOVE GRIT CHAMBER ACCESS STAIRS	50,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	50,000.00	0.00
07.05	DEMO & REMOVE RETAINING WALL AT STAIRS	10,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	10,000.00	0.00
07.06	OTHER MISC DEMOLITION	23,600.00	17700.00	0.00	0.00%	0.00	17700.00	75.00	5,900.00	885.00
08	YARD PIPING, VALVES, AND APPURTENANCES	1,453,900.00	816,900.00	101,000.00	6.95%	0.00	917,900.00	63.13	536,000.00	45,895.00
08.01	POTHOLE	40,000.00	38000.00	0.00	0.00%	0.00	38000.00	95.00	2,000.00	1,900.00
08.02	UNLOAD PIPE MATERIALS	25,000.00	23750.00	0.00	0.00%	0.00	23750.00	95.00	1,250.00	1,187.50
08.03	16" SEDIMENTATION TANK BYPASS LINE	125,000.00	125000.00	0.00	0.00%	0.00	125000.00	100.00	0.00	6,250.00
08.04	10" PEF - PS TO EX 16" GE (11 thru 18)	175,000.00	175000.00	0.00	0.00%	0.00	175000.00	100.00	0.00	8,750.00
08.05	10" PEF - PS TO EX 16" GE (19 thru 25)	175,000.00	166250.00	0.00	0.00%	0.00	166250.00	95.00	8,750.00	8,312.50
08.06	4" WHP PLANT WATER LINE @SED. BASIN	45,900.00	0.00	0.00	0.00%	0.00	0.00	0.00	45,900.00	0.00
08.07	8" TD LINE @ SEDIMENTATION FILTER	62,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	62,000.00	0.00
08.08	4" SC LINE @ SEDIMENTATION BASIN	32,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	32,000.00	0.00
08.09	CLEANOUTS	18,000.00	14400.00	0.00	0.00%	0.00	14400.00	80.00	3,600.00	720.00
08.10	4" PS/SC SCUM LINE TO DIGESTERS	85,000.00	85000.00	0.00	0.00%	0.00	85000.00	100.00	0.00	4,250.00
08.11	INSTALL 12" OF PIPE FROM SBR TO PS	95,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	95,000.00	0.00
08.12	CORE EXISTING WETWELL	12,000.00	12000.00	0.00	0.00%	0.00	12000.00	100.00	0.00	600.00
08.13	12"/16"24" SE PIPING @ SBR's	145,000.00	29000.00	0.00	0.00%	0.00	29000.00	20.00	116,000.00	1,450.00
08.14	12" WAS TO EXISTING PIPE	75,000.00	75000.00	0.00	0.00%	0.00	75000.00	100.00	0.00	3,750.00
08.15	2" WATERLINE @ SBR's	12,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	12,000.00	0.00
08.16	16" BP PIPE @ TERTIARY FILTERS	38,000.00	0.00	19,000.00	50.00%	0.00	19000.00	50.00	19,000.00	950.00
08.17	6" TD PIPE @ TERTIARY FILTERS	32,000.00	32000.00	0.00	0.00%	0.00	32000.00	100.00	0.00	1,600.00
08.18	8" DIGESTED SLUDGE TO EX. PIPE @ DIG'S	78,000.00	0.00	39,000.00	50.00%	0.00	39000.00	50.00	39,000.00	1,950.00
08.19	4" BIOFILTER DRAIN TO PS	53,000.00	26500.00	26,500.00	50.00%	0.00	53000.00	100.00	0.00	2,650.00
08.20	2" WHP LINE @ DIGESTERS	14,000.00	0.00	14,000.00	100.00%	0.00	14000.00	100.00	0.00	700.00
08.21	12" DRAIN LINE @ DRYING BEDS	42,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	42,000.00	0.00
08.22	EXC/SET/BACKFILL CATCH BASIN	25,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	25,000.00	0.00
08.23	TEST PIPES	50,000.00	15000.00	2,500.00	5.00%	0.00	17500.00	35.00	32,500.00	875.00

09	GRADING	454,900.00	271,090.00	6,500.00	1.43%	0.00	277,590.00	61.02	177,310.00	13,879.50
09.01	EXCAVATE INFLUENT VAULTS	10,000.00	8000.00	2,000.00	20.00%	0.00	10000.00	100.00	0.00	500.00
09.02	FINE GRADE BOTTOM	2,500.00	1250.00	1,250.00	50.00%	0.00	2500.00	100.00	0.00	125.00
09.03	BACKFILL INFLUENT VALVE VAULTS	20,000.00	10000.00	0.00	0.00%	0.00	10000.00	50.00	10,000.00	500.00
09.04	EXC. SEDIMENTATION BASIN & BIOFILTER	32,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	32,000.00	0.00
09.05	FINE GRADE BOTTOM (SBR)	8,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	8,000.00	0.00
09.06	BACKFILL SEDIMENTATION BASIN & BIOFILTER	32,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	32,000.00	0.00
09.07	EXCAVATE SEQUENCING REACTORS	6,000.00	6000.00	0.00	0.00%	0.00	6000.00	100.00	0.00	300.00
09.08	FINE GRADE BOTTOM	6,000.00	6000.00	0.00	0.00%	0.00	6000.00	100.00	0.00	300.00
09.09	BACKFILL REACTORS	7,500.00	750.00	3,000.00	40.00%	0.00	3750.00	50.00	3,750.00	187.50
09.10	EXCAVATE TERTIARY FILTERS	6,500.00	6500.00	0.00	0.00%	0.00	6500.00	100.00	0.00	325.00
09.11	FINE GRADE BOTTOM	2,500.00	2500.00	0.00	0.00%	0.00	2500.00	100.00	0.00	125.00
09.12	BACKFILL TERTIARY FILTERS	6,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	6,500.00	0.00
09.13	EXCAVATE DIGESTERS & BIOFILTER	65,000.00	65000.00	0.00	0.00%	0.00	65000.00	100.00	0.00	3,250.00
09.14	FINE GRADE BOTTOM	7,000.00	7000.00	0.00	0.00%	0.00	7000.00	100.00	0.00	350.00
09.15	BACKFILL DIGESTERS & BIOFILTER	62,000.00	62000.00	0.00	0.00%	0.00	62000.00	100.00	0.00	3,100.00
09.16	LOAD EXPORT TRUCKS	31,400.00	18840.00	0.00	0.00%	0.00	18840.00	60.00	12,560.00	942.00
09.17	EXPORT SPOILS	125,000.00	75000.00	0.00	0.00%	0.00	75000.00	60.00	50,000.00	3,750.00
09.18	ROAD CLEAN UP	5,000.00	2250.00	250.00	5.00%	0.00	2500.00	50.00	2,500.00	125.00
09.19	FINE GRADE	20,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	20,000.00	0.00
10	ASPHALT FINE GRADING, ETC.	219,100.00	0.00	0.00	0.00%	0.00	0.00	0.00	219,100.00	0.00
10.01	BASE MATERIALS	40,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	40,000.00	0.00
10.02	FINE GRADING FOR PAVEMENT	45,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	45,000.00	0.00
10.03	AC MATERIALS	60,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	60,000.00	0.00
10.04	AC PAVING	45,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	45,000.00	0.00
10.05	REDWOOD HEADER MATERIALS	2,600.00	0.00	0.00	0.00%	0.00	0.00	0.00	2,600.00	0.00
10.06	REDWOOD HEADER INSTALLATION	9,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	9,500.00	0.00
10.07	COLD MILL	11,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	11,000.00	0.00
10.08	FOG SEAL	6,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	6,000.00	0.00
11	CONSTRUCTION SEQUENCING	48,700.00	23,850.00	4,850.00	9.96%	0.00	28,700.00	58.93	20,000.00	1,435.00
11.01	TEMPORARY BYPASS PIPING SYSTEM	15,000.00	15000.00	0.00	0.00%	0.00	15000.00	100.00	0.00	750.00
11.02	INSTALL/REMOVE PIPING @ INFL PS	10,000.00	7000.00	3,000.00	30.00%	0.00	10000.00	100.00	0.00	500.00
11.03	PATCH PRECAST WALL PENETRATION	3,700.00	1850.00	1,850.00	50.00%	0.00	3700.00	100.00	0.00	185.00
11.04	TIE INS	20,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	20,000.00	0.00
12	EQ BYPASS VAULT INCLUDING PIPING	153,700.00	152,700.00	1,000.00	0.65%	0.00	153,700.00	100.00	0.00	7,685.00
12.01	PROCURE PRECAST VAULT	30,000.00	30000.00	0.00	0.00%	0.00	30000.00	100.00	0.00	1,500.00
12.02	PROCURE DIP AND VALVES @ VAULT	55,000.00	55000.00	0.00	0.00%	0.00	55000.00	100.00	0.00	2,750.00
12.03	PURCHASE HANDRAIL	4,000.00	4000.00	0.00	0.00%	0.00	4000.00	100.00	0.00	200.00
12.04	INSTALL HANDRAIL	3,000.00	3000.00	0.00	0.00%	0.00	3000.00	100.00	0.00	150.00
12.05	EXCAVATE VAULT	15,000.00	15000.00	0.00	0.00%	0.00	15000.00	100.00	0.00	750.00

12.06	PREP SUBGRADE	2,500.00	2500.00	0.00	0.00%	0.00	2500.00	100.00	0.00	125.00
12.07	SET VAULT	12,200.00	12200.00	0.00	0.00%	0.00	12200.00	100.00	0.00	610.00
12.08	BACKFILL VAULT	10,000.00	10000.00	0.00	0.00%	0.00	10000.00	100.00	0.00	500.00
12.09	PIPE AND APPURTENANCES INSIDE VAULT	17,000.00	17000.00	0.00	0.00%	0.00	17000.00	100.00	0.00	850.00
12.10	PAINTING	5,000.00	4000.00	1,000.00	20.00%	0.00	5000.00	100.00	0.00	250.00
13	INFLUENT PUMP STATION	339,300.00	228,300.00	32,000.00	9.43%	0.00	260,300.00	76.72	79,000.00	13,015.00
13.01	PURCHASE PIPING @ INFLUENT PS	71,300.00	71300.00	0.00	0.00%	0.00	71300.00	100.00	0.00	3,565.00
13.02	PURCHASE & INSTALL PUMPS @ INFLUENT PS	110,000.00	82500.00	11,000.00	10.00%	0.00	93500.00	85.00	16,500.00	4,675.00
13.03	PURCHASE & INSTL HANDRAIL @ INFLUENT PS	9,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	9,000.00	0.00
13.04	MECHANICAL WORK @ INFLUENT PS	72,000.00	36000.00	0.00	0.00%	0.00	36000.00	50.00	36,000.00	1,800.00
13.05	PAINTING	7,000.00	3500.00	0.00	0.00%	0.00	3500.00	50.00	3,500.00	175.00
13.06	CONCRETE WORK @ INFLUENT PS	70,000.00	35000.00	21,000.00	30.00%	0.00	56000.00	80.00	14,000.00	2,800.00
14	HEADWORKS WASHER/COMPACTOR, ETC.	263,800.00	195,050.00	0.00	0.00%	0.00	195,050.00	73.94	68,750.00	9,752.50
14.01	PURCHASE AUGER	181,300.00	181300.00	0.00	0.00%	0.00	181300.00	100.00	0.00	9,065.00
14.02	INSTALL AUGER	8,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	8,500.00	0.00
14.03	INSTALL TROUGH	10,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	10,500.00	0.00
14.04	PURCHASE AND INSTALL STEEL PIPE	20,000.00	10000.00	0.00	0.00%	0.00	10000.00	50.00	10,000.00	500.00
14.05	PURCHASE AND INSTALL LADDER	7,500.00	3750.00	0.00	0.00%	0.00	3750.00	50.00	3,750.00	187.50
14.06	MISC. MECHANICAL	28,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	28,000.00	0.00
14.07	REPAIR WALL	8,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	8,000.00	0.00
15	PRIMARY SEDIMENTATION TANK	3,190,200.00	0.00	0.00	0.00%	0.00	0.00	0.00	3,190,200.00	0.00
15.01	LAYOUT AND FORM FOR FLOOR	150,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	150,000.00	0.00
15.02	POUR TANK FLOOR	550,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	550,000.00	0.00
15.03	ASSEMBLE/DISASSEMBLE WALL FORMS	120,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	120,000.00	0.00
15.04	FORM/POUR/STRIP WALLS	560,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	560,000.00	0.00
15.05	WALL CURING	10,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	10,000.00	0.00
15.06	POUR MASS FILL	31,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	31,000.00	0.00
15.07	PROCURE AND LAYOUT MECHANICAL EQUIPMENT	1,250,700.00	0.00	0.00	0.00%	0.00	0.00	0.00	1,250,700.00	0.00
15.08	INSTALL DI ABOVE GRADE PIPING	10,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	10,000.00	0.00
15.09	INSTALL SLIDE GATES	17,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	17,500.00	0.00
15.10	INSTALL FLUMES	5,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	5,000.00	0.00
15.11	INSTALL CHAIN FLIGHTS AND MOTORS	45,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	45,000.00	0.00
15.12	INSTALL FRP TROUGHS	15,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	15,000.00	0.00
15.13	INSTALL SCUM COLLECTORS	13,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	13,000.00	0.00
15.14	INSTALL SLUDGE PUMPS	9,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	9,000.00	0.00
15.15	INSTALL PIPING IN SLUDGE GALLERY	15,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	15,000.00	0.00

15.16	INSTALL PIPE SUPPORTS	7,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	7,500.00	0.00
15.17	SET STAIRCASE	18,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	18,000.00	0.00
15.18	SET RAILINGS	12,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	12,000.00	0.00
15.19	DECK SHORING	10,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	10,000.00	0.00
15.20	INSTALL DOORS	6,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	6,500.00	0.00
15.21	HVAC	50,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	50,000.00	0.00
15.22	PAINTING AND COATING	250,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	250,000.00	0.00
15.23	WATERPROOFING	35,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	35,000.00	0.00
16	SED TANK & DIGESTERS BIOFILTER SYSTEMS	695,800.00	373,985.00	59,225.00	8.51%	0.00	433,210.00	62.26	262,590.00	21,660.50
16.01	PROCURE BIOFILTER EQUIPMENT	250,000.00	200000.00	0.00	0.00%	0.00	200000.00	80.00	50,000.00	10,000.00
16.02	EXCAVATE FOR BIOFILTERS	15,000.00	10500.00	0.00	0.00%	0.00	10500.00	70.00	4,500.00	525.00
16.03	PREP SUBRADE	4,500.00	3150.00	0.00	0.00%	0.00	3150.00	70.00	1,350.00	157.50
16.04	LAYOUT AND FORM FOR FLOOR	10,000.00	7000.00	0.00	0.00%	0.00	7000.00	70.00	3,000.00	350.00
16.05	POUR FLOOR	50,000.00	35000.00	0.00	0.00%	0.00	35000.00	70.00	15,000.00	1,750.00
16.06	STRIP FLOOR	6,000.00	4200.00	0.00	0.00%	0.00	4200.00	70.00	1,800.00	210.00
16.07	FORM WALLS	20,000.00	14000.00	0.00	0.00%	0.00	14000.00	70.00	6,000.00	700.00
16.08	POUR WALLS	75,000.00	52500.00	0.00	0.00%	0.00	52500.00	70.00	22,500.00	2,625.00
16.09	STRIP WALLS	14,800.00	10360.00	0.00	0.00%	0.00	10360.00	70.00	4,440.00	518.00
16.10	CONCRETE CURING	2,000.00	1400.00	0.00	0.00%	0.00	1400.00	70.00	600.00	70.00
16.11	PURCHASE AND INSTALL PIPING	65,000.00	32500.00	19,500.00	30.00%	0.00	52000.00	80.00	13,000.00	2,600.00
16.12	PURCHASE AND INSTALL PIPE SUPPORTS	75,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	75,000.00	0.00
16.13	INSTALL EQUIPMENT AND MEDIA	50,000.00	0.00	35,000.00	70.00%	0.00	35000.00	70.00	15,000.00	1,750.00
16.14	INSTALL SS DUCTING	35,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	35,000.00	0.00
16.15	INSTALL WATERLINE AND SPRINKLERS	13,500.00	3375.00	4,725.00	35.00%	0.00	8100.00	60.00	5,400.00	405.00
16.16	INSTALL PUMP	10,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	10,000.00	0.00
17	EQUALIZATION BASIN PUMP STATION	336,200.00	315,390.00	7,500.00	2.23%	0.00	322,890.00	96.04	13,310.00	16,144.50
17.01	PLUG 16" LINE	2,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	2,000.00	0.00
17.02	PURCHASE AND INSTALL PUMPS	180,000.00	180000.00	0.00	0.00%	0.00	180000.00	100.00	0.00	9,000.00
17.03	INSTALL GUIDE RAILS AND SUPPORTS	7,500.00	0.00	7,500.00	100.00%	0.00	7500.00	100.00	0.00	375.00
17.04	PURCHASE PIPING	115,000.00	115000.00	0.00	0.00%	0.00	115000.00	100.00	0.00	5,750.00
17.05	INSTALL PIPE IN WETWELL	4,800.00	4800.00	0.00	0.00%	0.00	4800.00	100.00	0.00	240.00
17.06	INSTALL ABOVE GRADE PIPE	11,800.00	9440.00	0.00	0.00%	0.00	9440.00	80.00	2,360.00	472.00
17.07	CORE DRILL 12" SBR OVERFLOW	1,200.00	1200.00	0.00	0.00%	0.00	1200.00	100.00	0.00	60.00
17.08	CONCRETE PAD	4,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	4,000.00	0.00
17.09	PAINTING AND COATING	9,900.00	4950.00	0.00	0.00%	0.00	4950.00	50.00	4,950.00	247.50
18	SBR TANKS AND EQUIPMENT PADS	1,907,100.00	1,685,250.00	49,650.00	2.60%	0.00	1,734,900.00	90.97	172,200.00	86,745.00
18.01	LAYOUT FLOOR	10,000.00	10000.00	0.00	0.00%	0.00	10000.00	100.00	0.00	500.00
18.02	FORM FLOOR	115,000.00	115000.00	0.00	0.00%	0.00	115000.00	100.00	0.00	5,750.00
18.03	INSTALL REBAR	250,000.00	237500.00	0.00	0.00%	0.00	237500.00	95.00	12,500.00	11,875.00

18.04	POUR FLOOR	365,000.00	365000.00	0.00	0.00%	0.00	365000.00	100.00	0.00	18,250.00
18.05	STRIP FLOOR	95,900.00	95900.00	0.00	0.00%	0.00	95900.00	100.00	0.00	4,795.00
18.06	CURE FLOOR	5,000.00	5000.00	0.00	0.00%	0.00	5000.00	100.00	0.00	250.00
18.07	ASSEMBLE/DISASSEMBLE WALL FORMS	125,000.00	125000.00	0.00	0.00%	0.00	125000.00	100.00	0.00	6,250.00
18.08	FORM STRAIGHT WALLS	150,000.00	150000.00	0.00	0.00%	0.00	150000.00	100.00	0.00	7,500.00
18.09	POUR STRAIGHT WALLS	238,000.00	238000.00	0.00	0.00%	0.00	238000.00	100.00	0.00	11,900.00
18.10	STRIP STRAIGHT WALLS	90,000.00	90000.00	0.00	0.00%	0.00	90000.00	100.00	0.00	4,500.00
18.11	CURE STRAIGHT WALLS	6,500.00	6500.00	0.00	0.00%	0.00	6500.00	100.00	0.00	325.00
18.12	PATCH STRAIGHT WALLS	25,000.00	18750.00	6,250.00	25.00%	0.00	25000.00	100.00	0.00	1,250.00
18.13	FORM THICKENED WALL	30,000.00	25200.00	0.00	0.00%	0.00	25200.00	84.00	4,800.00	1,260.00
18.14	POUR THICKENED WALL	75,000.00	63000.00	0.00	0.00%	0.00	63000.00	84.00	12,000.00	3,150.00
18.15	STRIP THICKENED WALL	25,000.00	21000.00	0.00	0.00%	0.00	21000.00	84.00	4,000.00	1,050.00
18.16	CURE THICKENED WALL	2,500.00	2100.00	0.00	0.00%	0.00	2100.00	84.00	400.00	105.00
18.17	PATCH THICKENED WALL	10,000.00	8400.00	0.00	0.00%	0.00	8400.00	84.00	1,600.00	420.00
18.18	FORM WALKWAYS	18,500.00	18500.00	0.00	0.00%	0.00	18500.00	100.00	0.00	925.00
18.19	POUR WALKWAYS	25,000.00	25000.00	0.00	0.00%	0.00	25000.00	100.00	0.00	1,250.00
18.20	STRIP WALKWAYS	8,500.00	8500.00	0.00	0.00%	0.00	8500.00	100.00	0.00	425.00
18.21	EQUIPMENT PADS	7,800.00	0.00	0.00	0.00%	0.00	0.00	0.00	7,800.00	0.00
18.22	SET RAILINGS	35,900.00	0.00	0.00	0.00%	0.00	0.00	0.00	35,900.00	0.00
18.23	LAYOUT PIPING	3,500.00	3500.00	0.00	0.00%	0.00	3500.00	100.00	0.00	175.00
18.24	INSTALL 8" SLUDGE DRAIN LINE	7,500.00	7500.00	0.00	0.00%	0.00	7500.00	100.00	0.00	375.00
18.25	INSTALL MUD VALVES	3,500.00	3500.00	0.00	0.00%	0.00	3500.00	100.00	0.00	175.00
18.26	CONCRETE PADS @ BLOWERS	3,000.00	3000.00	0.00	0.00%	0.00	3000.00	100.00	0.00	150.00
18.27	INSTALL ABOVE GRADE PIPING @ PUMPS	32,000.00	8000.00	4,800.00	15.00%	0.00	12800.00	40.00	19,200.00	640.00
18.28	INSTALL ABOVE GRADE PIPING @ BLOWERS	7,000.00	1400.00	0.00	0.00%	0.00	1400.00	20.00	5,600.00	70.00
18.29	INSTL ABOVE GRADE AIR PIPING @ SBR TANK	7,000.00	0.00	5,600.00	80.00%	0.00	5600.00	80.00	1,400.00	280.00
18.30	INSTALL ABOVE GRADE OVERFLOW PIPING	40,000.00	12000.00	12,000.00	30.00%	0.00	24000.00	60.00	16,000.00	1,200.00
18.31	INSTALL PIPE SUPPORTS @ SBR TANKS	30,000.00	6000.00	21,000.00	70.00%	0.00	27000.00	90.00	3,000.00	1,350.00
18.32	PAINTING	60,000.00	12000.00	0.00	0.00%	0.00	12000.00	20.00	48,000.00	600.00
19	INSTALL OF OWNER FURNISHED SBR EQUIPMENT	164,200.00	125,575.00	17,050.00	10.38%	0.00	142,625.00	86.86	21,575.00	7,131.25
19.01	ACQUIRE ANCHORAGE	5,000.00	5000.00	0.00	0.00%	0.00	5000.00	100.00	0.00	250.00
19.02	UNLOAD OWNER FURNISHED EQUIPMENT	7,500.00	7500.00	0.00	0.00%	0.00	7500.00	100.00	0.00	375.00
19.03	LAYOUT EQUIPMENT	8,000.00	8000.00	0.00	0.00%	0.00	8000.00	100.00	0.00	400.00
19.04	INSTALL DECANTER SUPPORTS	10,500.00	10500.00	0.00	0.00%	0.00	10500.00	100.00	0.00	525.00
19.05	INSTALL DECANTERS	35,000.00	35000.00	0.00	0.00%	0.00	35000.00	100.00	0.00	1,750.00



19.06	INSTALL INFL. SLUDGE COLL. PIPES (FRP)	28,000.00	21000.00	7,000.00	25.00%	0.00	28000.00	100.00	0.00	1,400.00
19.07	INSTALL JET AERATION PIPE ASSEMBLY	18,200.00	13650.00	4,550.00	25.00%	0.00	18200.00	100.00	0.00	910.00
19.08	INSTALL PIPE SUPPORTS	7,500.00	5625.00	0.00	0.00%	0.00	5625.00	75.00	1,875.00	281.25
19.09	INSTALL 12" FILL LINE (FRP)	22,000.00	16500.00	5,500.00	25.00%	0.00	22000.00	100.00	0.00	1,100.00
19.10	INSTALL JET MOTIVE PUMPS	8,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	8,500.00	0.00
19.11	INSTALL BLOWERS	14,000.00	2800.00	0.00	0.00%	0.00	2800.00	20.00	11,200.00	140.00
20	TERTIARY FILTERS	585,300.00	9,000.00	140,050.00	23.93%	0.00	149,050.00	25.47	436,250.00	7,452.50
20.01	LAYOUT FLOOR	3,500.00	3500.00	0.00	0.00%	0.00	3500.00	100.00	0.00	175.00
20.02	FORM FLOOR	5,500.00	5500.00	0.00	0.00%	0.00	5500.00	100.00	0.00	275.00
20.03	INSTALL REBAR	6,500.00	0.00	6,500.00	100.00%	0.00	6500.00	100.00	0.00	325.00
20.04	POUR FLOOR	25,000.00	0.00	25,000.00	100.00%	0.00	25000.00	100.00	0.00	1,250.00
20.05	STRIP FORMS	4,500.00	0.00	4,500.00	100.00%	0.00	4500.00	100.00	0.00	225.00
20.06	FORM WALLS	35,000.00	0.00	35,000.00	100.00%	0.00	35000.00	100.00	0.00	1,750.00
20.07	INSTALL REBAR	30,000.00	0.00	30,000.00	100.00%	0.00	30000.00	100.00	0.00	1,500.00
20.08	DRILL/SET DOWELS @ WALLS	10,300.00	0.00	10,300.00	100.00%	0.00	10300.00	100.00	0.00	515.00
20.09	FORM CHANNEL WALLS	5,000.00	0.00	5,000.00	100.00%	0.00	5000.00	100.00	0.00	250.00
20.10	GRATES AND RAILS	10,000.00	0.00	2,500.00	25.00%	0.00	2500.00	25.00	7,500.00	125.00
20.11	PAINTING AND COATING	25,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	25,000.00	0.00
20.12	MECHANICAL WORK @ TERTIARY FILTERS	425,000.00	0.00	21,250.00	5.00%	0.00	21250.00	5.00	403,750.00	1,062.50
21	TERTIARY FILTER AIR COMPRESSORS	33,900.00	31,650.00	2,250.00	6.64%	0.00	33,900.00	100.00	0.00	1,695.00
21.01	ACQUIRE NEW AIR COMPRESSORS	29,400.00	29400.00	0.00	0.00%	0.00	29400.00	100.00	0.00	1,470.00
21.02	REMOVE OLD AIR COMPRESSORS	2,000.00	1000.00	1,000.00	50.00%	0.00	2000.00	100.00	0.00	100.00
21.03	INSTALL NEW AIR COMPRESSORS	2,500.00	1250.00	1,250.00	50.00%	0.00	2500.00	100.00	0.00	125.00
22	AEROBIC DIGESTERS	1,983,300.00	1,847,870.00	35,180.00	1.77%	0.00	1,883,050.00	94.95	100,250.00	94,152.50
22.01	DRILL/SET DOWELS	5,000.00	5000.00	0.00	0.00%	0.00	5000.00	100.00	0.00	250.00
22.02	LAYOUT SLAB	6,500.00	6500.00	0.00	0.00%	0.00	6500.00	100.00	0.00	325.00
22.03	FORM FLOOR	130,000.00	130000.00	0.00	0.00%	0.00	130000.00	100.00	0.00	6,500.00
22.04	INSTALL REBAR	215,000.00	215000.00	0.00	0.00%	0.00	215000.00	100.00	0.00	10,750.00
22.05	POUR SLAB	250,000.00	250000.00	0.00	0.00%	0.00	250000.00	100.00	0.00	12,500.00
22.06	STRIP SLAB	50,000.00	50000.00	0.00	0.00%	0.00	50000.00	100.00	0.00	2,500.00
22.07	CURE SLAB	20,000.00	20000.00	0.00	0.00%	0.00	20000.00	100.00	0.00	1,000.00
22.08	ASSEMBLE/DISASSEMBLE WALL FORMS	85,000.00	85000.00	0.00	0.00%	0.00	85000.00	100.00	0.00	4,250.00
22.09	FORM WALLS	140,000.00	140000.00	0.00	0.00%	0.00	140000.00	100.00	0.00	7,000.00
22.10	INSTALL REBAR	175,000.00	175000.00	0.00	0.00%	0.00	175000.00	100.00	0.00	8,750.00
22.11	POUR WALLS	285,000.00	285000.00	0.00	0.00%	0.00	285000.00	100.00	0.00	14,250.00
22.12	STRIP WALLS	80,000.00	80000.00	0.00	0.00%	0.00	80000.00	100.00	0.00	4,000.00
22.13	CURE WALLS	25,000.00	25000.00	0.00	0.00%	0.00	25000.00	100.00	0.00	1,250.00
22.14	SET RAILINGS	65,000.00	9750.00	0.00	0.00%	0.00	9750.00	15.00	55,250.00	487.50

22.15	SET STAIRCASE	45,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	45,000.00	0.00
22.16	PAINTING AND COATING	351,800.00	316620.00	35,180.00	10.00%	0.00	351800.00	100.00	0.00	17,590.00
22.17	WATERPROOFING	55,000.00	55000.00	0.00	0.00%	0.00	55000.00	100.00	0.00	2,750.00
23	AEROBIC DIGESTER MECHANICAL EQUIPMENT	1,598,900.00	740,075.00	409,875.00	25.63%	0.00	1,149,950.00	71.92	448,950.00	57,497.50
23.01	LAYOUT EQUIPMENT	2,500.00	1875.00	375.00	15.00%	0.00	2250.00	90.00	250.00	112.50
23.02	INSTALL DECANT SUPPORTS	2,500.00	2500.00	0.00	0.00%	0.00	2500.00	100.00	0.00	125.00
23.03	PURCHASE & INSTALL DECANT PIPES AND ARM	75,000.00	37500.00	37,500.00	50.00%	0.00	75000.00	100.00	0.00	3,750.00
23.04	INSTALL DIGESTER FOAM CONTROL PIPE	20,000.00	0.00	20,000.00	100.00%	0.00	20000.00	100.00	0.00	1,000.00
23.05	INSTALL FOAM CONTROL PIPE (4" DIP)	25,000.00	0.00	25,000.00	100.00%	0.00	25000.00	100.00	0.00	1,250.00
23.06	INSTALL FOAM SPRAY NOZZLES	6,000.00	0.00	6,000.00	100.00%	0.00	6000.00	100.00	0.00	300.00
23.07	PURCHASE AND INSTALL AIR PIPING (SST)	120,000.00	72000.00	48,000.00	40.00%	0.00	120000.00	100.00	0.00	6,000.00
23.08	BUBBLER DIFFUSERS (5%)	3,500.00	3500.00	0.00	0.00%	0.00	3500.00	100.00	0.00	175.00
23.09	BUBBLER DIFFUSERS (75%)	52,000.00	52000.00	0.00	0.00%	0.00	52000.00	100.00	0.00	2,600.00
23.10	BUBBLER DIFFUSERS (10%)	7,000.00	7000.00	0.00	0.00%	0.00	7000.00	100.00	0.00	350.00
23.11	BUBBLER DIFFUSERS (10%)	7,000.00	7000.00	0.00	0.00%	0.00	7000.00	100.00	0.00	350.00
23.12	INSTALL COARSE BUBBLER DIFFUSERS	6,500.00	6500.00	0.00	0.00%	0.00	6500.00	100.00	0.00	325.00
23.13	INSTALL PIPE SUPPORTS	15,000.00	15000.00	0.00	0.00%	0.00	15000.00	100.00	0.00	750.00
23.14	INSTALL SLIDE GATES	5,000.00	4750.00	0.00	0.00%	0.00	4750.00	95.00	250.00	237.50
23.15	PURCHASE AND INSTALL COVERS	125,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	125,000.00	0.00
23.16	PURCHASE AND INSTALL BLOWERS	220,000.00	110000.00	66,000.00	30.00%	0.00	176000.00	80.00	44,000.00	8,800.00
23.17	INSTALL UNDERGROUND AIR PIPING	12,000.00	12000.00	0.00	0.00%	0.00	12000.00	100.00	0.00	600.00
23.18	INSTALL PIPING @ BLOWERS	12,500.00	0.00	12,500.00	100.00%	0.00	12500.00	100.00	0.00	625.00
23.19	INSTALL PUMPS	5,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	5,000.00	0.00
23.20	INSTALL DIGESTER PIPING @ PUMPS	30,000.00	3000.00	3,000.00	10.00%	0.00	6000.00	20.00	24,000.00	300.00
23.21	INSTALL UNDERGROUND 6" WAS PIPE	15,000.00	0.00	15,000.00	100.00%	0.00	15000.00	100.00	0.00	750.00
23.22	INSTALL UNDERGROUND DI PIPING	5,000.00	2500.00	2,500.00	50.00%	0.00	5000.00	100.00	0.00	250.00
23.23	PURCHASE AND INSTALL POLYMER SYSTEM	29,900.00	14950.00	0.00	0.00%	0.00	14950.00	50.00	14,950.00	747.50
23.24	INSTALL WATER PIPE	20,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	20,000.00	0.00
23.25	INSTALL/REPL PIPING @ EXISTING DIGESTERS	12,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	12,500.00	0.00
23.26	PURCHASE SLUDGE PUMPS (6P-01 - 04)	80,000.00	80000.00	0.00	0.00%	0.00	80000.00	100.00	0.00	4,000.00
23.27	PURCHASE PIPING @ DIGESTERS	200,000.00	200000.00	0.00	0.00%	0.00	200000.00	100.00	0.00	10,000.00
23.28	PURCHASE SLUDGE EFFLUENT PUMP (6P-05)	15,000.00	15000.00	0.00	0.00%	0.00	15000.00	100.00	0.00	750.00
23.29	CORE WALLS	3,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	3,000.00	0.00
23.30	INSTALL PIPING INSIDE TANKS	90,000.00	90000.00	0.00	0.00%	0.00	90000.00	100.00	0.00	4,500.00
23.31	SET STAIRCASE	12,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	12,000.00	0.00

23.32	SET RAILINGS	20,000.00	3000.00	0.00	0.00%	0.00	3000.00	15.00	17,000.00	150.00
23.33	TESTING AND STARTUP	30,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	30,000.00	0.00
23.34	PURCHASE AND INSTALL CANOPY	25,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	25,000.00	0.00
23.35	PAINTING AND COATING	290,000.00	0.00	174,000.00	60.00%	0.00	174,000.00	60.00	116,000.00	8,700.00
24	INFLUENT PUMP STATION ELECTRICAL	18,900.00	4,725.00	0.00	0.00%	0.00	4,725.00	25.00	14,175.00	236.25
24.01	ELECTRICAL MODIFICATIONS - INFLUENT PS	18,900.00	4725.00	0.00	0.00%	0.00	4725.00	25.00	14,175.00	236.25
25	HEADWORKS ELECTRICAL	9,900.00	0.00	0.00	0.00%	0.00	0.00	0.00	9,900.00	0.00
25.01	ELECTRICAL MODIFICATIONS - HEADWORKS	9,900.00	0.00	0.00	0.00%	0.00	0.00	0.00	9,900.00	0.00
26	PRIMARY SEDIMENTATION ELECTRICAL	308,000.00	75,750.00	18,000.00	5.84%	0.00	93,750.00	30.44	214,250.00	4,687.50
26.01	F&I COND. & PLBOX PRIMARY SED. TANK	120,000.00	42000.00	0.00	0.00%	0.00	42000.00	35.00	78,000.00	2,100.00
26.02	F&I CONDUIT PRIMARY SED. GALLERY	135,000.00	33750.00	0.00	0.00%	0.00	33750.00	25.00	101,250.00	1,687.50
26.03	FURN. LIGHT FIX. PRIM. SED. TANK/GALLERY	18,000.00	0.00	18,000.00	100.00%	0.00	18000.00	100.00	0.00	900.00
26.04	INSTL LIGHT FIX. PRIM. SED. TANK/GALLERY	5,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	5,500.00	0.00
26.05	FURNISH ELECTRICAL SWGR - SED. TANK	6,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	6,000.00	0.00
26.06	INSTL ELEC. SWGR - SED. TANK/GALLERY	1,500.00	0.00	0.00	0.00%	0.00	0.00	0.00	1,500.00	0.00
26.07	WIRING & TERMINATIONS - SED. TANK	10,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	10,000.00	0.00
26.08	WIRING & TERMINATIONS - SED. GALLERY	12,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	12,000.00	0.00
27	EQ BASIN ELECTRICAL	116,400.00	101,000.00	15,400.00	13.23%	0.00	116,400.00	100.00	0.00	5,820.00
27.01	FURNISH & INSTALL CONDUIT - EQ. BASIN	40,000.00	34000.00	6,000.00	15.00%	0.00	40000.00	100.00	0.00	2,000.00
27.02	INST. NEW BREAKERS EX. PANELS - EQ BASIN	3,400.00	0.00	3,400.00	100.00%	0.00	3400.00	100.00	0.00	170.00
27.03	F&I NEW TOSHIBA VFD - EQ BASIN	67,000.00	67000.00	0.00	0.00%	0.00	67000.00	100.00	0.00	3,350.00
27.04	WIRING & TERMINATIONS - EQ BASIN	6,000.00	0.00	6,000.00	100.00%	0.00	6000.00	100.00	0.00	300.00
28	SBR ELECTRICAL WORK	234,500.00	139,725.00	15,400.00	6.57%	0.00	155,125.00	66.15	79,375.00	7,756.25
28.01	F&I CONDUIT & PULL BOXES - SBR	154,000.00	138600.00	15,400.00	10.00%	0.00	154000.00	100.00	0.00	7,700.00
28.02	FURNISH ELECTRICAL SWGR - SBR	4,500.00	1125.00	0.00	0.00%	0.00	1125.00	25.00	3,375.00	56.25
28.03	INSTALL ELECTRICAL SWGR - SBR	68,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	68,000.00	0.00
28.04	WIRING & TERMINATIONS - SBR	8,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	8,000.00	0.00
29	TERT. FILTER & AIR COMPRESSOR ELECTRICAL	13,600.00	8,160.00	5,440.00	40.00%	0.00	13,600.00	100.00	0.00	680.00
29.01	CONDUIT & WIRE - TERT FILTER & AIR COMP	13,600.00	8160.00	5,440.00	40.00%	0.00	13600.00	100.00	0.00	680.00

30	AEROBIC DIGESTER AND ASSC. EQUIP ELECT	54,200.00	27,100.00	0.00	0.00%	0.00	27,100.00	50.00	27,100.00	1,355.00
30.01	CONDUIT & WIRE - AEROBIC DIGESTER	54,200.00	27100.00	0.00	0.00%	0.00	27100.00	50.00	27,100.00	1,355.00
31	SITE ELECTRICAL, SCE SERVICE, AND INSTR	899,500.00	346,500.00	22,000.00	2.45%	0.00	368,500.00	40.97	531,000.00	18,425.00
31.01	CONTROL SYSTEM ENGINEERING & DRAWINGS	20,000.00	20000.00	0.00	0.00%	0.00	20000.00	100.00	0.00	1,000.00
31.02	FURNISH FIELD INSTRUMENTS	120,000.00	120000.00	0.00	0.00%	0.00	120000.00	100.00	0.00	6,000.00
31.03	FURNISH MCC-1, MCC-2, VFD AND BUCKETS	160,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	160,000.00	0.00
31.04	FURNISH & INSTALL PRECAST PULL BOXES	114,500.00	57250.00	0.00	0.00%	0.00	57250.00	50.00	57,250.00	2,862.50
31.05	ELECTRICAL DUCTBANK TERTIARY FILTER	50,000.00	40000.00	0.00	0.00%	0.00	40000.00	80.00	10,000.00	2,000.00
31.06	ELECTRICAL DUCTBANK AEROBIC DIGESTOR	60,000.00	48000.00	0.00	0.00%	0.00	48000.00	80.00	12,000.00	2,400.00
31.07	ELECTRICAL DUCTBANK CHEMICAL HANDLING	30,000.00	25500.00	0.00	0.00%	0.00	25500.00	85.00	4,500.00	1,275.00
31.08	ELECTRICAL DUCTBANK PRIMARY SED	55,000.00	2750.00	0.00	0.00%	0.00	2750.00	5.00	52,250.00	137.50
31.09	ELECTRICAL DUCTBANK SBR'S	55,000.00	33000.00	22,000.00	40.00%	0.00	55000.00	100.00	0.00	2,750.00
31.10	INSTALL WIRE DUCTBANKS TERTIARY FILTER	40,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	40,000.00	0.00
31.11	INSTALL WIRE DUCTBANKS AEROBIC DIGESTOR	40,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	40,000.00	0.00
31.12	INSTALL WIRE DUCTBANKS CHEMICAL HANDLING	35,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	35,000.00	0.00
31.13	INSTALL WIRE DUCTBANK PRIMARY SED	35,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	35,000.00	0.00
31.14	INSTALL WIRE DUCTBANK SBR'S	45,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	45,000.00	0.00
31.15	TESTING AND STARTUP ASSISTANCE	30,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	30,000.00	0.00
31.16	AS-BUILT, O&M, AND CLOSEOUT	10,000.00	0.00	0.00	0.00%	0.00	0.00	0.00	10,000.00	0.00
32	OVERALL PROJECT TESTING, CLEANUP, ETC	39,600.00	1,750.00	0.00	0.00%	0.00	1,750.00	4.42	37,850.00	87.50
32.01	STARTUP AND TESTING	35,000.00	1750.00	0.00	0.00%	0.00	1750.00	5.00	33,250.00	87.50
32.02	FINAL CLEANUP AND PUNCH LIST	4,600.00	0.00	0.00	0.00%	0.00	0.00	0.00	4,600.00	0.00
C1	CHANGE ORDER #01	28,980.07	0.00	0.00	0.00%	0.00	0.00	0.00	28,980.07	0.00
C1.01	ALUMINUM COVER DESIGN CHANGE	28,980.07	0.00	0.00	0.00%	0.00	0.00	0.00	28,980.07	0.00
<b>TOTAL:</b>		<b>16,473,480.07</b>	<b>8,585,310.00</b>	<b>949,555.00</b>	<b>5.76%</b>	<b>0.00</b>	<b>9534865.00</b>	<b>57.88</b>	<b>6,938,615.07</b>	<b>476,743.25</b>

**PAYMENT APPLICATION DETAILS**

**Customer:** TEMESCAL VALLEY WATER DISTRICT  
**Project:** C1916-WATER RECLAMATION PLANT PHASE IV

**Application Number:** 11  
**For Period Ending:** 09/30/2020

A	B	C	D	E		F	G		H	I
Item Number - Description	Scheduled Value	From Previous Application	This Period Value	Work Completed		Materials Presently Stored	Completed and Stored To Date	Total %	Balance To Finish	Retainage Value
				Total Percent this Period						
01	MOB, BONDS, SOV, PROJECT SCHEDULE	820,000.00	743,500.00	3,000.00	0.37%	0.00	746,500.00	91.04	73,500.00	37,325.00
02	SHEETING, SHORING, AND BRACING	6,100.00	4,270.00	305.00	5.00%	0.00	4,575.00	75.00	1,525.00	228.75
03	EROSION CONTROL	55,700.00	41,420.00	1,785.00	3.20%	0.00	43,205.00	77.57	12,495.00	2,160.25
04	SURVEY	24,200.00	19,360.00	0.00	0.00%	0.00	19,360.00	80.00	4,840.00	968.00
05	MAINTENANCE OF PLANT OPERATIONS	41,900.00	25,140.00	2,095.00	5.00%	0.00	27,235.00	65.00	14,665.00	1,361.75
06	SCE CONDUIT AND PULL BOX INSTALLATION	231,100.00	212,525.00	0.00	0.00%	0.00	212,525.00	91.96	18,575.00	10,626.25
07	DEMO, REMOVAL, ABANDONMENT IN PLACE, ETC	142,600.00	17,700.00	0.00	0.00%	0.00	17,700.00	12.41	124,900.00	885.00
08	YARD PIPING, VALVES, AND APPURTENANCES	1,453,900.00	816,900.00	101,000.00	6.95%	0.00	917,900.00	63.13	536,000.00	45,895.00
09	GRADING	454,900.00	271,090.00	6,500.00	1.43%	0.00	277,590.00	61.02	177,310.00	13,879.50
10	ASPHALT FINE GRADING, ETC.	219,100.00	0.00	0.00	0.00%	0.00	0.00	0.00	219,100.00	0.00
11	CONSTRUCTION SEQUENCING	48,700.00	23,850.00	4,850.00	9.96%	0.00	28,700.00	58.93	20,000.00	1,435.00
12	EQ BYPASS VAULT INCLUDING PIPING	153,700.00	152,700.00	1,000.00	0.65%	0.00	153,700.00	100.00	0.00	7,685.00
13	INFLUENT PUMP STATION	339,300.00	228,300.00	32,000.00	9.43%	0.00	260,300.00	76.72	79,000.00	13,015.00
14	HEADWORKS WASHER/COMPACTOR, ETC.	263,800.00	195,050.00	0.00	0.00%	0.00	195,050.00	73.94	68,750.00	9,752.50
15	PRIMARY SEDIMENTATION TANK	3,190,200.00	0.00	0.00	0.00%	0.00	0.00	0.00	3,190,200.00	0.00
16	SED TANK & DIGESTERS BIOFILTER SYSTEMS	695,800.00	373,985.00	59,225.00	8.51%	0.00	433,210.00	62.26	262,590.00	21,660.50
17	EQUALIZATION BASIN PUMP STATION	336,200.00	315,390.00	7,500.00	2.23%	0.00	322,890.00	96.04	13,310.00	16,144.50
18	SBR TANKS AND EQUIPMENT PADS	1,907,100.00	1,685,250.00	49,650.00	2.60%	0.00	1,734,900.00	90.97	172,200.00	86,745.00
19	INSTALL OF OWNER FURNISHED SBR EQUIPMENT	164,200.00	125,575.00	17,050.00	10.38%	0.00	142,625.00	86.86	21,575.00	7,131.25
20	TERTIARY FILTERS	585,300.00	9,000.00	140,050.00	23.93%	0.00	149,050.00	25.47	436,250.00	7,452.50
21	TERTIARY FILTER AIR COMPRESSORS	33,900.00	31,650.00	2,250.00	6.64%	0.00	33,900.00	100.00	0.00	1,695.00
22	AEROBIC DIGESTERS	1,983,300.00	1,847,870.00	35,180.00	1.77%	0.00	1,883,050.00	94.95	100,250.00	94,152.50
23	AEROBIC DIGESTER MECHANICAL EQUIPMENT	1,598,900.00	740,075.00	409,875.00	25.63%	0.00	1,149,950.00	71.92	448,950.00	57,497.50

24	INFLUENT PUMP STATION ELECTRICAL	18,900.00	4,725.00	0.00	0.00%	0.00	4,725.00	25.00	14,175.00	236.25
25	HEADWORKS ELECTRICAL	9,900.00	0.00	0.00	0.00%	0.00	0.00	0.00	9,900.00	0.00
26	PRIMARY SEDIMENTATION ELECTRICAL	308,000.00	75,750.00	18,000.00	5.84%	0.00	93,750.00	30.44	214,250.00	4,687.50
27	EQ BASIN ELECTRICAL	116,400.00	101,000.00	15,400.00	13.23%	0.00	116,400.00	100.00	0.00	5,820.00
28	SBR ELECTRICAL WORK	234,500.00	139,725.00	15,400.00	6.57%	0.00	155,125.00	66.15	79,375.00	7,756.25
29	TERT. FILTER & AIR COMPRESSOR ELECTRICAL	13,600.00	8,160.00	5,440.00	40.00%	0.00	13,600.00	100.00	0.00	680.00
30	AEROBIC DIGESTER AND ASSC. EQUIP ELECT	54,200.00	27,100.00	0.00	0.00%	0.00	27,100.00	50.00	27,100.00	1,355.00
31	SITE ELECTRICAL, SCE SERVICE, AND INSTR	899,500.00	346,500.00	22,000.00	2.45%	0.00	368,500.00	40.97	531,000.00	18,425.00
32	OVERALL PROJECT TESTING, CLEANUP, ETC	39,600.00	1,750.00	0.00	0.00%	0.00	1,750.00	4.42	37,850.00	87.50
C1	CHANGE ORDER #01	28,980.07	0.00	0.00	0.00%	0.00	0.00	0.00	28,980.07	0.00
<b>TOTAL:</b>		16,473,480.07	8,585,310.00	949,555.00	5.76%	0.00	9534865.00	57.88	6,938,615.07	476,743.25

October 22, 2020

Board of Directors  
Temescal Valley Water District

Re: Water and Sewer Operations – September 2020

Dear Board Members:

Temescal Valley Water District operations personnel perform the following tasks on a regular and routine basis:

- Managed 350.91 acre-feet of water through system.
- Collected monthly potable water samples as required by the State Water Resources Control Board, Division of Drinking Water. Collected monthly & weekly wastewater samples as required by Regional Water Quality Control Board.
- Submitted monthly SMR for 2020 to the Regional Water Quality Control Board for: Temescal Valley Wastewater Reclamation Facility.
- Submitted monthly report to the State Water Resources Control Board, Division of Drinking Water for: TVWD distribution system monitoring.
- Read 6024 water meters.
- 0 shut offs.
- Responded 124 service calls.
- Installed 40 meters for the various developers
- Responded to 78 USA Dig Alerts to mark District underground utilities.

In addition to the above regular and routine tasks we also performed the following operational tasks.

- Operations Staff continues to work with the plant expansion construction crews to facilitate system shutdowns and upgrades as needed.
- 1 load of biosolids were hauled off this period.

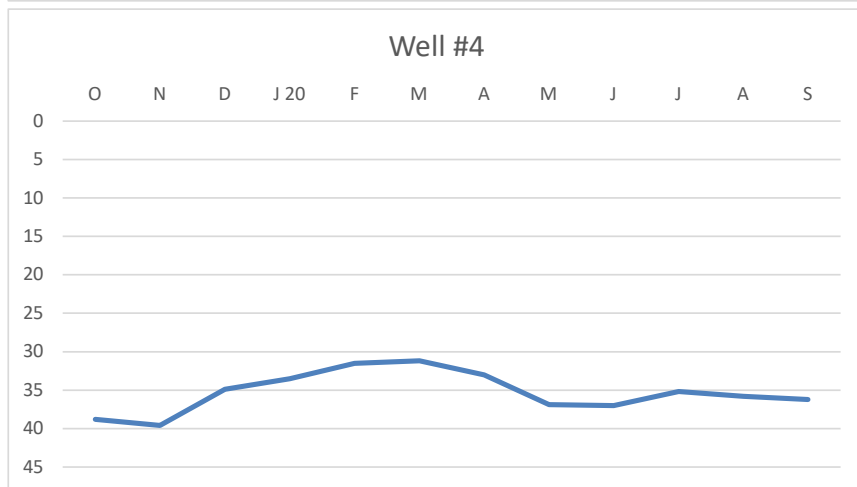
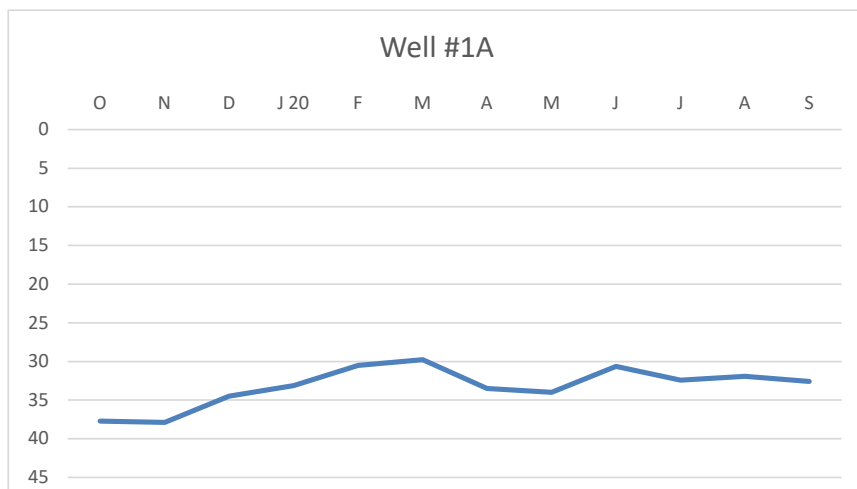
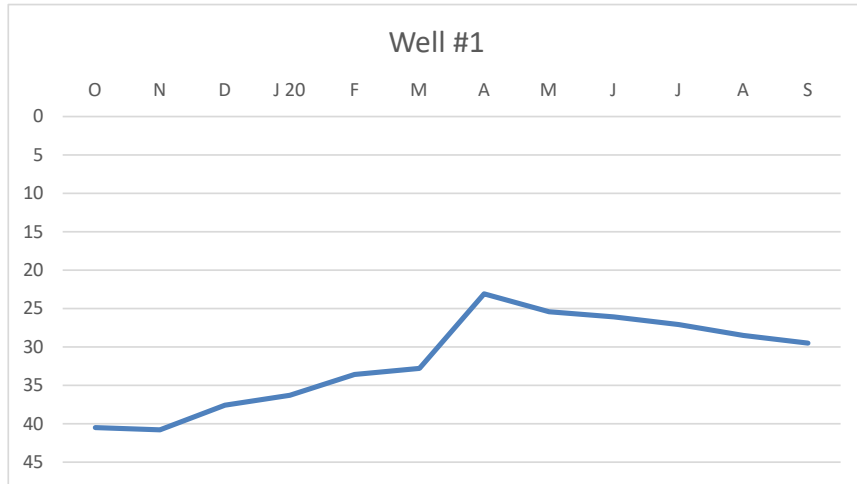
- TVWD Staff continues to work at a high level to maintain all facilities in an excellent manner during these current Covid-19 times.

Sincerely,

---

Paul Bishop, Superintendent





**TEMESCAL VALLEY WATER DISTRICT  
ENGINEERING DEPARTMENT**

**DISTRICT ENGINEER'S MONTHLY REPORT**

**Date:** October 21, 2020  
**To:** Jeff Pape, General Manager  
**From:** Justin Scheidel, District Engineer  
**Subject:** Engineering Activities Update for the Month of October 2020

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Following is a summary of the status of current engineering projects:

**PLAN CHECKING & DEVELOPER RELATED PROJECTS**

**Tract 33688 Water, Sewer and Recycled Plan Check (10555, Phase 6)** – 2<sup>nd</sup> plan check completed, comments returned to the Engineer for incorporation.

**Tract 37554 and 37556 Terramor Planning Area 12 and 13 (10555, Phase 14)** – Completed initial plan check for the upper planning area. Plan check included review of the preliminary design reports for both the upper potable and non-potable booster station improvements. Plan check was returned to the developer with revision comments.

**AS-NEEDED ENGINEERING SERVICES**

**Status**

***General Engineering Initiated During FY 2018/19***

Project 1401.1808: General GIS Support: As-required updating of the GIS database and re-formatting as-built catalog. General support provided for updating GIS information discovered during master plan updates. Completed updates for all new developments within the District and currently linking as-built drawings to online GIS database.

**Currently 95% Complete**

Project 1401.2001: As-Needed Potable Water Engineering for FY 2020/21: Development of the district engineering report and attendance of the District's board meeting.

Project 1401.2002: Non-Potable Water Related Services for FY 2020/21: No activity this month.

Project 1401.2003: Wastewater Related Services for FY 2020/21: Began development of specifications and details for rehabilitation of multiple manhole lids and pavement along Temescal Canyon Road.

Project 1401.2004: Wastewater Studies for FY 2020/21: No activity this month.

Project 1401.2005: Potable Water Studies for FY 2020/21: No activity this month.

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**CAPITAL IMPROVEMENT PROJECTS**

**Status**

Project 1401.1810: Dawson Canyon 1320 Potable Water Reservoir Design: Completed the 90% design submittal for the reservoir portion of the project. The preliminary alignment for the pipeline has been created and easement documents are currently being processed by the landowner for both the pipeline, and the reservoir site.

**90% Design Completed**

Project 1401.1906: Knabe Road Potable Waterline: This project was awarded to Empire Equipment at the July board meeting. The contractor has sawcut the existing pavement and will begin installing pipeline this week. Pipeline installation and traffic disruption expected to continue for the next four weeks.

Project 1401.1907: Trilogy Reservoir Rehabilitation: Construction was completed on 9/21/20.

**Completed**

Project 1401.2006: Potable Water Looping Phase 2 Design: Surveying has been completed and the utility files have been uploaded. Design is expected to be completed in the quarter of 2021.

**20% Complete**

Project 1401.2007: Reservoir Management Systems Design: The cathodic protection design consultant completed his field investigation on 10/1/2020. The design has been started and the 50% design submittal is expected this week. The design is expected to be complete and ready for public bid by the end of the year.

**50% Complete**

# MEMORANDUM

DATE: October 22, 2020  
TO: Board of Directors  
Temescal Valley Water District  
FROM: District Engineer  
SUBJECT: Knabe Road Potable Waterline Project Bid

## BACKGROUND

The District approved a contract with Empire Equipment Inc. to construct the Knabe Road Potable Waterline Project at the July regular board meeting. The approved budget included the original bid of \$229,274.00 and 20% contract contingency of \$45,854.80, totaling \$275,128.80. Due to unforeseen utility conflicts and a design error regarding the location of the northern connection point, the project design required modifications which prompted a change order. The provided change order exceeds the approved 20% contingency. In order to keep the project on schedule the General Manager and the District Engineer met with Engineering Committee earlier this month to discuss and approve the referenced change order.

## CAPITAL BUDGET

The District currently has \$480,000 budgeted in the new maintenance/general projects fund for FY 2019/2020 for this project.

## FISCAL IMPACT

Empire Equipment Services Original Bid -	\$229,274.00
Change Order No. 1-	\$49,479.04
RMA Group (Compaction Testing) -	\$20,000.00

## RECOMMENDATION

It is recommended that the Board of Directors:

1. Ratify the change order in the amount of \$49,479.04, increasing the total project budget to \$298,753.04.

Respectfully submitted,

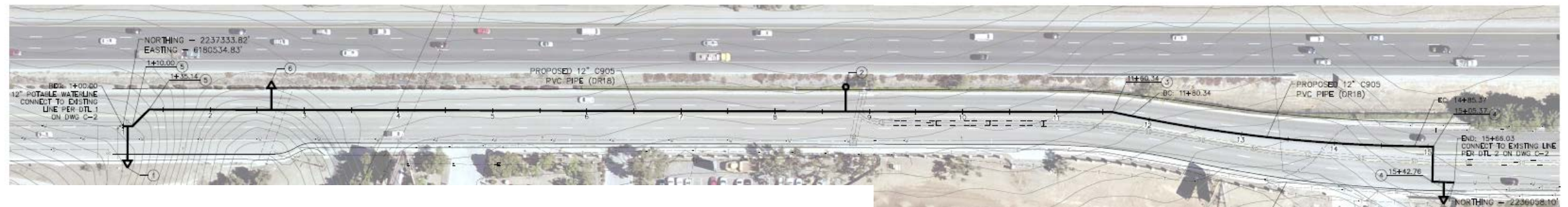
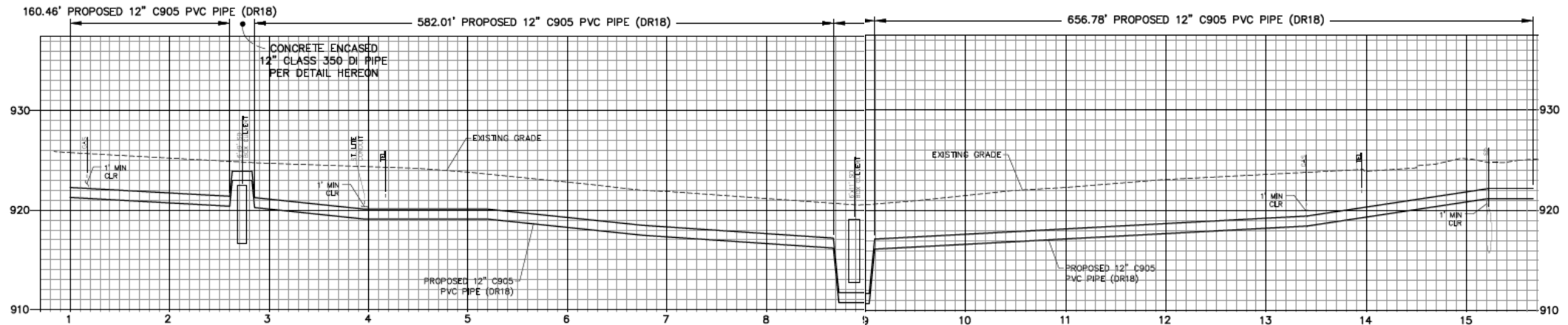
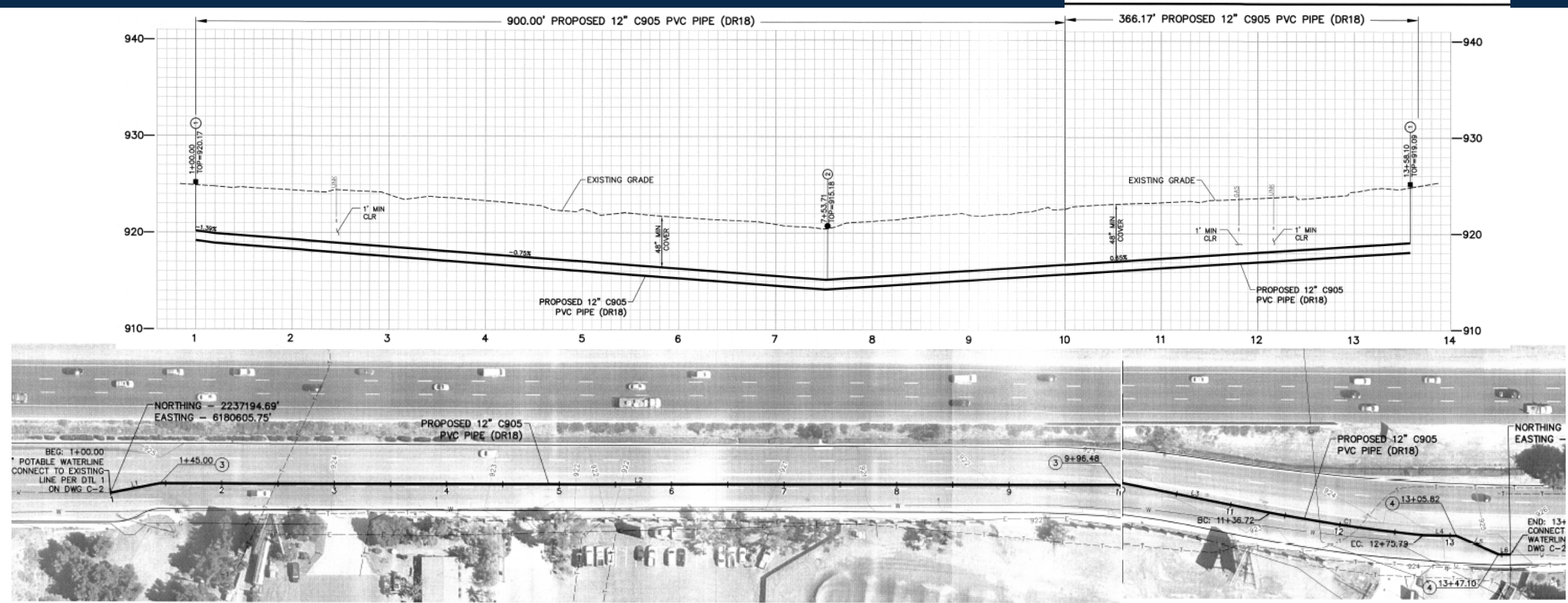


Justin Scheidel  
District Engineer

Attachments:

Empire Equipment Services submitted Change Order No. 1

# Design Modifications



# Cost Impacts

Total Board Approved Contract: \$275,128.00

	Cost	Total Cost	Linear Feet	Cost/LF
<b>Original Contract</b>	\$229,274.00		1258	\$182.24
<b>Change Order w/o Thrust Blocks</b>	\$41,679.00	\$270,953.00	1466	\$184.82
<b>Change Order with Thrust Blocks</b>	\$49,479.04	\$278,753.04	1466	\$190.14
<b>2<sup>nd</sup> Bidder</b>	\$297,000.00		1258	\$236.07
<b>3<sup>rd</sup> Bidder</b>	\$299,500.00		1258	\$238.06

**CONTRACT CHANGE ORDER FORM**

C.O. NO. \_\_\_\_\_  
PAGE 1 OF 2

**CONTRACT CHANGE ORDER NO. 1**

CONTRACT Knabe Road Potable Waterline Project DATED 8/12/2020  
BY AND BETWEEN Temescal Valley Water District (OWNER),  
AND Empire Equipment Services (CONTRACTOR),  
is hereby directed to make the following change(s) in Contract Work:

ITEM NO.	DESCRIPTION OF CHANGE	DECREASE \$	INCREASE \$
1	Additional pipeline and appurtenances required to complete the project per the attached revised drawings	\$49,479.04	

Total DECREASE in Contract Amount	_____
Total INCREASE in Contract Amount	\$49,479.04
Net change in Contract Amount	\$49,479.04
Contract Amount Prior to Change	\$229,274.00
Contract Amount Adjusted for Change	\$278,753.04

By reason of Change Order No. 1, time of completion shall be adjusted as follows:

15 Working Days. Adjusted Contract Completion Date shall be 75.

All provisions of the Contract shall apply hereto, and shall become effective when fully executed (signed and dated) by both parties.

Recommended by (Engineer) Justin Scheidel Date: 10/13/2020

Accepted by (Contractor) [Signature] Date: 10/15/2020

Approved by (Owner) [Signature] Date: 10/13/2020

Remarks It is acknowledged by all parties that this change order exceeds 20% of the original contract value. The contractor accepts this design modification per this change order without acknowledging it as a change in the conditions of the original contract.





**Empire Equipment Service, Inc.**

P.O. BOX 532  
Mira Loma, CA.91752  
License No.876696

**Proposal**

**Proposal Date:** 10/8/2020  
**Proposal #:** 20-06-CO-1

**Submitted To:**  
TEMESCAL VALLEY WATER DISTRICT

**Project:**  
Knabe Rd Potable Waterline Project

Description	Qty	Unit Pr...	U/M	Total
Changes to waterline design to offset around unknown concrete structures.				
1. 12" C-905	135	77.00	Ft	10,395.00
2. 12" D.I. Pipe.	60	190.00	Ft	11,400.00
3. Thrust Blocks	8	650.00	Ea	5,200.00
4. 1" Air Vac Assy.	1	2,340.00	Ea	2,340.00
5. Excavation Safety & Shoring.	1	2,500.00	Ea	2,500.00
6. Additional Pavement Restoration.	2,328	3.43	Sf	7,985.04
7. Concrete encasement.	31	169.00	Ft	5,239.00
8. Slurry Backfill.	10	92.00	Cy	920.00
9. Survey.	1	3,500.00	Ls	3,500.00
Sales Tax		7.75%		0.00

Phone: (951) 681-1345

Fax: (951) 332-0857

E-mail

Josh@Empireequipmentservice.com

*Above estimate excludes the following unless otherwise noted: Security, permits, offsite work, dewatering, staking, soils testing, compaction, export/import, water meter, survey, water cost, aerating of soil, rock and boulder handling, erosion control, traffic control, grading backfilling, structural, excavation and/or backfill, removal or handling of subterranean structures or debris, disposal of unsuitable material, final finish grading or landscaping, offsite grading, offsite removals, camera and video inspection, sewer and storm drain manholes, special inspection, joint sealant, waterproofing, truncated domes, V-Ditch, sumps, pipe bollards, floor prep, asbestos removal, rib steel plates, material not able to be ripped by a 430D CAT backhoe, dust control when Empire Equipment Service, Inc. is not on the job, locating, disconnecting or removing of utilities, saw-cutting, shaker plates, stabilized construction entry, clearing, demolition, handling of hazardous or contaminated materials.*

All work will be completed in a first class professional manner in the sum of:

**Total** **\$49,479.04**

Acceptance of Proposal: A signature is required by the responsible party on the lower right hand side of the Contract. Any deviation or alteration from the above will be executed upon written orders and signed by both parties, and will become extra charge over and above proposal. Upon signing this proposal you agree to pay all attorney's fees and court costs, in the event that this contract be turned over to an attorney for payment enforcement. Contractor will not be responsible for unpredictable weather, or damage done to others in barricaded areas. Payment of all amounts owed shall be made no later than due date indicated on invoice. No retention is held. Any amounts not paid by due date shall be subject to late payment charge of 1 1/2% per month, or the highest rate allowed by the law. In addition, customer agrees to be responsible for all collection cost's attorney's fees incurred by the Contractor in connection with any delinquent account. If not accepted within 5 days from date. submitted we reserve the right to submit a revised proposal.

SIGNATURE: \_\_\_\_\_

# TEMESCAL VALLEY WATER DISTRICT

## IN THE COUNTY OF RIVERSIDE, CALIFORNIA

# KNABE RD POTABLE WATERLINE PROJECT

### BOARD OF DIRECTORS

CHARLES W. COLLADAY — PRESIDENT  
 PAUL RODRIGUEZ — VICE PRESIDENT  
 FRED MYERS — BOARD MEMBER  
 DAVID HARICH — BOARD MEMBER  
 JOHN BUTLER — BOARD MEMBER

### SHEET INDEX

SHEET	DRAWING	TITLE
1	C-1	TITLE SHEET, VICINITY MAP, LOCATION MAP AND SHEET INDEX
2	C-2	GENERAL NOTES
3	C-3	KEY MAP, LEGEND, ABBREVIATIONS AND CROSS REFERENCING SYSTEM
4	C-1	KNABE RD PLAN & PROFILE STA 1+00.00 TO 10+00.00
5	C-2	KNABE RD PLAN & PROFILE STA 10+00.00 TO 13+66.17

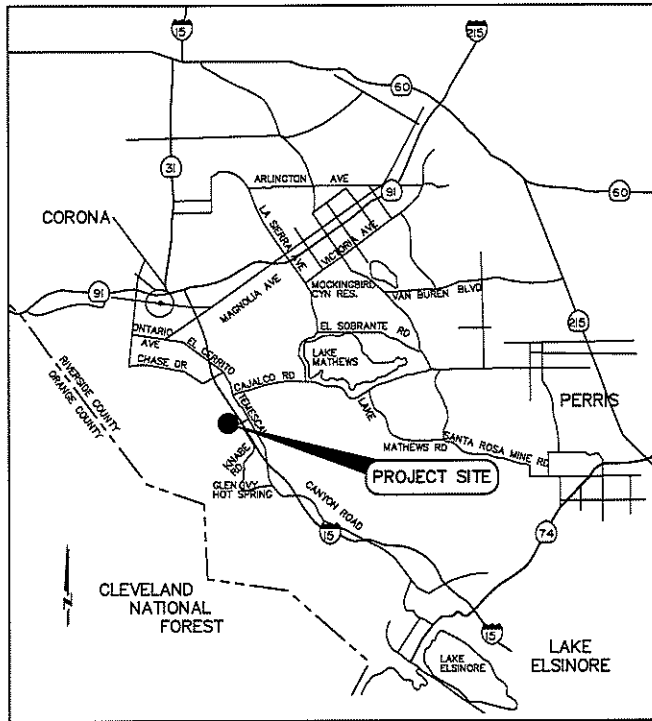
### DECLARATION OF RESPONSIBLE CHARGE

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

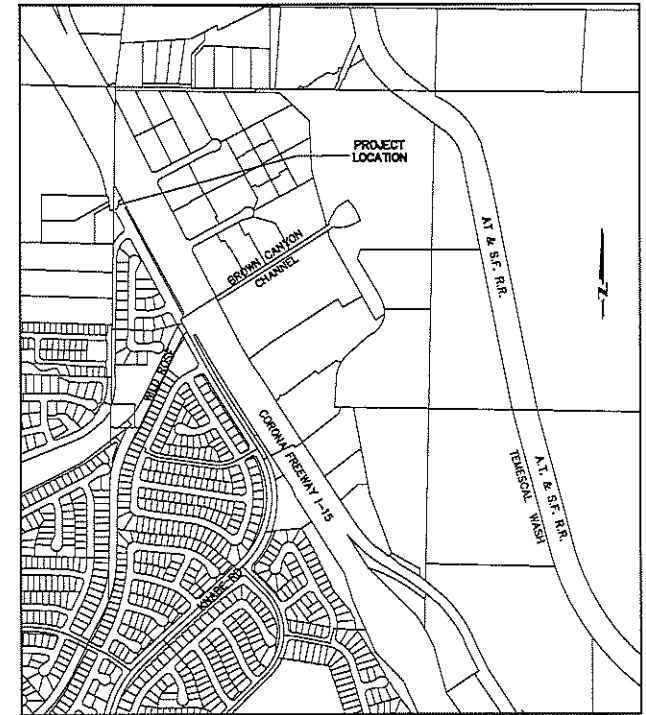
I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE TEMESCAL VALLEY WATER DISTRICT IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

JUSTIN T. SCHEDEL                      R.C.E. 082098                      DATE  
 PROJECT MANAGER                      EXPIRES 3/31/2018

**WATER SYSTEM CERTIFICATION**  
 I HEREBY CERTIFY THAT THE DESIGN OF THE WATER SYSTEM IS IN ACCORDANCE WITH THE WATER SYSTEM MASTER PLAN OF TEMESCAL VALLEY WATER DISTRICT AND THAT THE WATER SERVICE, STORAGE AND DISTRIBUTION SYSTEM WILL BE ADEQUATE TO SUPPLY WATER TO SAID PROJECT. THIS CERTIFICATE DOES NOT CONSTITUTE A GUARANTEE THAT IT WILL SUPPLY WATER TO SAID PROJECT AT ANY SPECIFIC QUANTITIES, FLOWS OR PRESSURES FOR FIRE PROTECTION OR ANY OTHER PURPOSE.  
 General Manager                      Date



VICINITY MAP  
NOT TO SCALE



LOCATION MAP  
NOT TO SCALE

**DUDEK**

605 Third Street  
 Encinitas, CA 92024  
 760.942.5147 Fax  
 760.942.4508

REVISIONS		
NO.	BY	DATE

ENGINEER OF WORK	
JUSTIN TYLER SCHEDEL	DATE
RCE : 82098	EXP. DATE 3/31/22
DESIGN : C. CARR	
DRAWN : CAD	
CHECKED : J. SCHEDEL	



**TEMESCAL VALLEY WATER DISTRICT**

22846 TEMESCAL CANYON ROAD, CORONA, CA 92883-5015  
 PHONE: (951) 277-1414  
 FAX: (951) 277-1419

TEMESCAL WATER COMPANY	
KNABE RD POTABLE WATERLINE	
TITLE SHEET, VICINITY MAP, LOCATION MAP AND SHEET INDEX	
DRAWING	G-1
SHEET	1 OF 5
DATE	
CAD FILE	1201.1008.01

**GENERAL NOTES**

- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THESE PLANS, CONTRACT SPECIFICATIONS AND THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREENBOOK). ANY CHANGE OR REVISIONS THERETO SHALL BE APPROVED BY THE ENGINEER PRIOR TO ANY REQUEST FOR INSPECTION. THE CONTRACTOR SHALL HAVE THESE DOCUMENTS ON SITE AT ALL TIMES.
- LOCATION AND ELEVATION OF IMPROVEMENTS INCLUDED IN WORK OF THIS CONTRACT SHALL BE CONFIRMED BY FIELD MEASUREMENTS BY THE CONTRACTOR PRIOR TO CONSTRUCTION OF THE NEW WORK.
- THE EXISTENCE AND LOCATION OF EXISTING UNDERGROUND FACILITIES SHOWN ON THESE PLANS ARE APPROXIMATE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE AND/OR VERIFY THE LOCATION OF ALL KNOWN EXISTING UTILITIES OR STRUCTURES, WHETHER OR NOT SHOWN ON THE DRAWINGS, PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT APPROPRIATE AGENCIES TO OBTAIN ANY REVISED, UPDATED OR "AS BUILT" INFORMATION AVAILABLE PRIOR TO CONSTRUCTION. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT AND MAINTAIN ALL UTILITIES. IF AN UNDERGROUND UTILITY IS DAMAGED, THE CONTRACTOR SHALL IMMEDIATELY CONTACT TWVD, THE ENGINEER AND THE USA LOCATING SERVICE TO ARRANGE FOR REPAIRS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS TO REPAIR THE DAMAGE CAUSED TO UNDERGROUND UTILITIES DURING CONSTRUCTION.
- THE CONTRACTOR SHALL VERIFY THE EXISTENCE AND LOCATION OF ALL UTILITIES BEFORE COMMENCING WORK. NOTICE OF THE PROPOSED WORK SHALL BE GIVEN TO THE FOLLOWING AGENCIES AT LEAST TWO (2) WORKING DAYS PRIOR TO EXCAVATION. THE CONTRACTOR SHALL REQUEST MARKOUT OF UNDERGROUND UTILITIES BY CALLING THE BELOW LISTED REGIONAL NOTIFICATION CENTER FOR AN INQUIRY IDENTIFICATION NUMBER:  
UNDERGROUND SERVICE ALERT (USA) DIG ALERT (800) 227-2600  
TEMESCAL VALLEY WATER DISTRICT (951) 277-1414
- CONTACTING USA DOES NOT RELIEVE THE CONTRACTOR OF CONTACTING ALL OWNERS OF NON-PRESSURE CONDUITS (I.E., STORM DRAINS AND GRAVITY SEWERS, AGRICULTURAL DRAIN PIPELINES AND IRRIGATION PIPELINES). OWNERS OF NON-PRESSURE CONDUITS ARE NOT REQUIRED TO BE MEMBERS OF USA. THEREFORE, INDIVIDUAL CONTACTS TO THESE AGENCIES ARE STILL REQUIRED.
- APPROVAL OF THESE PLANS BY TWVD DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OF THE LOCATION OR OF THE EXISTENCE OR NON-EXISTENCE OF ANY UNDERGROUND UTILITY PIPE OR STRUCTURE WITHIN THE LIMITS OF THE PROJECT. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR THE PROTECTION OF ALL UTILITIES WITHIN THE LIMITS OF THE PROJECT.
- CAL-OSHA PERMITS SHALL BE REQUIRED FOR ANY TRENCH WORK OVER FIVE (5) FEET IN DEPTH. EVIDENCE MUST BE PRESENTED TO TWVD PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO STARTING WORK, AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES AND SHALL HAVE THEM RESOLVED PRIOR TO CONTINUING WORK. THE CONTRACTOR SHALL REQUEST A CLARIFICATION OF ANY CONDITIONS WHICH ARE IN CONFLICT WITH THE CONTRACT DOCUMENTS PRIOR TO CONSTRUCTION OF THE AFFECTED PORTION OF WORK.
- SPECIFIC NOTES AND DETAILS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER THESE GENERAL NOTES IN CASE OF CONFLICT.
- THE CONTRACTOR SHALL OBTAIN AND HAVE AVAILABLE ON THE JOB SITE COPIES OF APPLICABLE STANDARDS SHOWN ON THESE PLANS AND SPECIFICATIONS AND BE FAMILIAR WITH THEIR REQUIREMENTS.
- UPON COMPLETION OF EACH DAY'S WORK, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LEAVING THE WORK AREA FREE OF HAZARDS, AND SHALL PROVIDE ALL NECESSARY TEMPORARY SIGNS, WARNING DEVICES, BARRICADES AND TEMPORARY ACCESS PLATES. TEMPORARY ACCESS IS TO BE PROVIDED TO ALL ADJACENT RESIDENCES AND BUSINESSES DURING NON-CONSTRUCTION HOURS.
- THE CONTRACTOR SHALL PROTECT ALL EXPOSED AREAS OF THE SITE DURING THE CONSTRUCTION PERIOD AGAINST EROSION OR OTHER DAMAGE. ANY AND ALL SITE DAMAGE FROM THE CONTRACTOR'S ACTIVITIES SHALL BE REPAIRED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST TO THE DISTRICT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MONUMENTATION AND/OR BENCHMARKS WHICH WILL BE DISTURBED OR DESTROYED BY CONSTRUCTION. SUCH POINTS SHALL BE REFERENCED AND REPLACED WITH APPROPRIATE MONUMENTATION BY A LICENSED SURVEYOR OR A REGISTERED CIVIL ENGINEER AUTHORIZED TO PRACTICE LAND SURVEYING IN THE STATE OF CALIFORNIA. A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILED BY THE LICENSED LAND SURVEYOR OR REGISTERED CIVIL ENGINEER AS REQUIRED BY THE LAND SURVEYOR'S ACT.

**GENERAL NOTES CONT.**

- CONTRACTOR SHALL REMOVE ALL DEBRIS AND TRASH DURING AND AFTER CONSTRUCTION.
- CONTRACTOR SHALL COMPLY WITH THE SPECIFICATIONS STATED HEREIN AND THE PROVISIONS OF PERMITS ISSUED FOR THIS WORK. FAILURE TO COMPLY WILL RESULT IN PENALTY.
- THE CONTRACTOR SHALL DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING AND BRACINGS, AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS.
- SHORING AND DEWATERING PLANS SHALL BE SUBMITTED AS REQUIRED FOR CONSTRUCTION.
- CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, AND THAT THE REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD TWVD AND ENGINEER HARMLESS FROM AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF TWVD OR THE ENGINEER.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN SUCH FENCES, BARRIERS, DIRECTIONAL SIGNS, LIGHTS AND FLAGGERS AS ARE NECESSARY TO GIVE ADEQUATE WARNING TO THE PUBLIC AT ALL TIMES OF ANY DANGEROUS CONDITIONS TO BE ENCOUNTERED AS A RESULT OF THE CONSTRUCTION WORK AND TO GIVE DIRECTIONS TO THE PUBLIC.
- THE CONTRACTOR SHALL EXERCISE DUE CARE TO AVOID INJURY TO EXISTING IMPROVEMENTS OR FACILITIES, UTILITY FACILITIES, ADJACENT PROPERTY, AND TREES AND SHRUBBERY THAT ARE NOT TO BE REMOVED.
- CONTRACTOR SHALL CONFORM WITH THE REGULATIONS OF THE "GENERAL CONSTRUCTION SAFETY ORDERS" AND "TRENCH CONSTRUCTION SAFETY ORDERS", STATE OF CALIFORNIA, DEPT. OF INDUSTRIAL RELATIONS, DIV. OF OCCUPATIONAL HEALTH AND SAFETY (CAL/OSHA).
- CONTRACTOR SHALL SUBMIT/OBTAIN THE FOLLOWING FROM CAL/OSHA AS REQUIRED: CODE OF SAFE PRACTICE, SHORING PLAN, AND EXCAVATION AND BUILDING PERMITS.
- CONTRACTOR SHALL NOTIFY THE OWNER OF ANY ACTIONS PRESENTED HEREIN THAT HE CONSIDERS UNSAFE. THE CONTRACTOR SHALL COMPLY WITH ALL STATE LAW RELATING TO UNDERGROUND EXCAVATING AND BE FAMILIAR WITH ALL REQUIREMENTS.
- ALL MECHANICAL OUTRIGGERS SHALL BE FITTED WITH RUBBER STREET SHOES TO PROTECT THE PAVING DURING EXCAVATIONS. RUBBER-TIRED EQUIPMENT ONLY SHALL BE USED IN BACKFILL OPERATIONS IN PAVED AREAS. IF THE EXISTING PAVEMENT IS SCARRED, SPALLED, OR BROKEN OR IF THE PAVEMENT IS MARRED, THOSE PORTIONS OF THE EXISTING PAVEMENT SHALL BE RESURFACED OVER THEIR ENTIRE WIDTH AS DIRECTED BY COUNTY AND/OR STATE AT NO ADDITIONAL COST TO THE DISTRICT
- DEWATERING:
  - PROVIDE ALL EQUIPMENT, LABOR, MATERIALS, TOOLS AND INCIDENTALS NECESSARY TO DESIGN, CONSTRUCT, INSTALL AND OPERATE DEWATERING FACILITIES FOR CONSTRUCTION OF THIS WORK SUCH THAT ALL UNDERGROUND AND BELOW-GRADE WORK IS PERFORMED OR INSTALLED IN DRY EXCAVATIONS. CONTRACTOR IS NOTIFIED OF NUISANCE WATER ENTERING THE TRENCH AREA FROM ADJACENT PROPERTIES. CONTRACTOR SHALL REMOVE AND PROPERLY DISPOSE OF ALL WATER IN THE TRENCH TO FACILITATE CONSTRUCTION OF THE PROPOSED FACILITIES TO THE SATISFACTION OF THE DISTRICT.
  - WHERE ANY SLOPED EXCAVATION INFRINGES ON OR POTENTIALLY ENDANGERS ANY EXISTING FACILITIES OR STRUCTURES, PROVIDE SHORING AND BRACING ACCORDING TO SHOP DRAWINGS AND CALCULATIONS SIGNED AND STAMPED BY A STRUCTURAL OR CIVIL ENGINEER REGISTERED IN THE STATE OF CALIFORNIA. CONTRACTOR SHALL REPAIR AND MAKE GOOD ALL DAMAGE OR SETTLEMENT TO THE FOUNDATION OR OTHER PORTION OF ANY NEW OR EXISTING FACILITIES OR STRUCTURES AT THE CONTRACTOR'S EXPENSE AND TO THE ENGINEER'S SATISFACTION.
- AS-BUILT DRAWINGS:  
THE CONTRACTOR SHALL MAINTAIN CURRENT FULL SIZE DRAWINGS DURING CONSTRUCTION NEATLY MARKED IN RED INK TO REFLECT AS-BUILTS CONDITIONS. FINAL AS-BUILT DRAWINGS SHALL BE SUBMITTED TO THE DISTRICT PRIOR TO ACCEPTANCE OF THE WORK.

**GENERAL NOTES CONT.**

- WATER POLLUTION CONTROL PLAN (WPCP).  
THE CONTRACTOR SHALL PROVIDE AND SUBMIT THE REQUIRED STORM WATER POLLUTION PREVENTION DOCUMENTATION TO THE STATE AND IMPLEMENT ALL THE REQUIREMENTS.
- PUBLIC STREETS - (COUNTY OF RIVERSIDE/CALTRANS)  
CONTRACTOR WILL OBTAIN AN ENCROACHMENT PERMIT FROM APPLICABLE TRANSPORTATION DEPARTMENT COUNTY OF RIVERSIDE AND/OR STATE OF CALIFORNIA FOR WORK IN ALL STREETS UNDER THE AGENCY'S JURISDICTION. A COPY OF SAID PERMIT(S) SHALL BE PROVIDED. CONTRACTOR SHALL MAINTAIN ONE COPY OF SAID PERMIT(S) ON THE JOBSITE AT ALL TIMES DURING CONSTRUCTION.  
CONTRACTOR SHALL PERFORM ALL WORK INCLUDING TRAFFIC CONTROL TEMPORARY PAVEMENT, PERMANENT PAVEMENT, AND TRAFFIC STRIPING IN ACCORDANCE WITH ALL APPLICABLE PROVISIONS OF SAID PERMIT, AND IN ACCORDANCE WITH THE COUNTY/STATE STANDARDS AND SPECIFICATIONS WITHIN STREETS UNDER COUNTY/STATE JURISDICTION.  
DISTRICT WILL NOT ACCEPT THE CONTRACT WORK UNTIL CONTRACTOR HAS SUBMITTED WRITTEN STATEMENT OF COMPLIANCE (SPECIFICALLY REFERENCING RELATIVE COMPACTION AND STREET RESTORATION REQUIREMENTS) ISSUED BY THE COUNTY AND/OR STATE THAT THE CONTRACTOR HAS COMPLIED WITH ALL COUNTY/STATE REQUIREMENTS AND THAT THE COMPLETED WORK IS ACCEPTABLE.
- NOTIFICATIONS  
CONTRACTOR SHALL NOTIFY RESIDENTS OF IMPENDING WORK, PRINTED NOTICES SHALL BE SENT TO ALL RESIDENTS IN THE VICINITY OF THE WORK AT LEAST SEVEN DAYS IN ADVANCE OF CONSTRUCTION.  
SAID NOTICES SHALL FIRST BE APPROVED BY DISTRICT AND SHALL CONTAIN A GENERAL DESCRIPTION OF THE WORK, DATES WORK WILL BE PERFORMED, AND DESCRIPTION OF AREAS WHERE TRAVEL WILL BE RESTRICTED.  
IF DISTRICT OR COUNTY RECEIVES COMPLAINTS FROM INDIVIDUALS AFFECTED BY THE PROJECT, CONTRACTOR SHALL TAKE IMMEDIATE ACTION TO CORRECT SAME AS DIRECTED BY THE DISTRICT OR COUNTY, AT NO ADDITIONAL COST TO THE DISTRICT. IF CONTRACTOR RECEIVES COMPLAINTS DIRECTLY HE SHALL REPORT SAME IMMEDIATELY TO DISTRICT. THEREAFTER, HE SHALL TAKE IMMEDIATE ACTION TO CORRECT SAME AS DIRECTED BY DISTRICT OR COUNTY, AT NO ADDITIONAL COST TO THE DISTRICT. ALL WORK SHALL BE IN STRICT ACCORDANCE WITH THE PROJECT SPECIFICATIONS AT NO ADDITIONAL COST TO THE DISTRICT.
- EXCAVATION, BEDDING AND BACKFILL  
CONTRACTOR IS ADVISED THAT ROCK OR UNACCEPTABLE TRENCH BACKFILL MATERIAL MAY BE ENCOUNTERED DURING TRENCHING OPERATIONS. WHERE SUCH MATERIAL IS ENCOUNTERED, CONTRACTOR SHALL AT NO ADDITIONAL COST TO DISTRICT, FURNISH AND INSTALL SUITABLE BEDDING AND BACKFILL MATERIAL IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.  
BEDDING AND BACKFILL MATERIAL SHALL BE EITHER COMMERCIAL IMPORTED MATERIAL OR SELECT NATIVE MATERIAL (SCREENED OR WASHED) IF NECESSARY. ALL ROCK OR OTHER UNACCEPTABLE TRENCH BACKFILL MATERIAL SHALL BE HAULED TO AND DISCARDED AT A LEGAL DISPOSAL SITE. CONTRACTOR SHALL NOT DISPOSE OF SUCH MATERIAL ON VACANT PRIVATE OR PUBLIC PROPERTY WITHOUT WRITTEN PERMISSION FROM THE PROPERTY OWNER. THE COST OF DISPOSAL OF UNSUITABLE MATERIAL SHALL BE INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL PAYMENT WILL BE MADE.
- PAVEMENT RESTORATION  
TRENCHING THROUGH PAVED AREAS (STREETS AND DRIVEWAYS) SHALL BE FIRST NEATLY SAW CUT FULL DEPTH PRIOR TO EXCAVATION. UPON COMPLETION, PAVEMENT SHALL BE RESTORED "IN KIND". THE MINIMUM DEPTH OF ANY PAVEMENT SHALL BE 4". HOWEVER, IF EXISTING THICKNESS EXCEEDS 4", CONTRACTOR SHALL MATCH EXISTING THICKNESS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAYING FOR AND OBTAINING ALL ENCROACHMENT PERMITS REQUIRED TO WORK IN THE PUBLIC RIGHT-OF-WAY FROM THE COUNTY OF RIVERSIDE.

**WATER NOTES**

- CONTRACTOR SHALL FURNISH AND INSTALL ALL FACILITIES IN ACCORDANCE WITH TEMESCAL VALLEY WATER DISTRICT (TWVD) WATER SYSTEM FACILITY REQUIREMENTS, STANDARD SPECIFICATIONS, AND STANDARD DRAWINGS. TWVD STANDARD SPECIFICATIONS AND STANDARD DRAWINGS ARE AVAILABLE AT THE DISTRICT OFFICE. CONTRACTOR SHALL BE IN POSSESSION OF DISTRICT'S SPECIFICATIONS AND STANDARD DRAWINGS ON THE JOB SITE AT ALL TIMES.
- ALL PERMITS REQUIRED BY LAW SHALL BE ACQUIRED BY THE APPLICANT OR THEIR CONTRACTOR AND ARE MADE PART OF THE SPECIFICATIONS.
- THE DRAWINGS AND DATA HEREON ARE HEREBY MADE PART OF THE SPECIFICATIONS.
- REVISIONS WILL NOT BE MADE TO THESE PLANS WITHOUT THE APPROVAL OF TWVD.
- APPROVAL OF THESE PLANS BY TWVD DOES NOT CONSTITUTE A REPRESENTATION OF THE ACCURACY OF THE LOCATION OR EXISTENCE OR NON-EXISTENCE OF ANY UNDERGROUND UTILITY, PIPE, OR STRUCTURE WITHIN THE LIMITS OF WORK.
- THE CONTRACTOR SHALL NOTIFY THE TWVD DISTRICT ENGINEER A MINIMUM OF ONE (1) WEEK PRIOR TO BEGINNING WORK SO THAT INSPECTIONS CAN BE ARRANGED AND PROVIDED.
- THE TWVD INSPECTOR SHALL BE FURNISHED TWO SETS OF PROJECT DRAWINGS.
- THE CONTRACTOR SHALL CONFORM TO CURRENT CAL-OSHA SAFETY REQUIREMENTS.
- THE CONTRACTOR SHALL SUBMIT TO THE TWVD A SOILS REPORT BY A QUALIFIED GEOTECHNICAL ENGINEER WHICH CERTIFIES THAT ALL TRENCH BACKFILL WAS COMPACTED AS DIRECTED BY THE SOILS ENGINEER IN ACCORDANCE WITH PROJECT SPECIFICATIONS AND TWVD SPECIFICATIONS.
- JOB-MIXING OF CONCRETE IS NOT PERMITTED.
- ALL CONCRETE TESTING REQUIRED BY TWVD WILL BE AT THE EXPENSE OF THE CONTRACTOR.
- CONTRACTOR SHALL PROVIDE WRITTEN NOTIFICATION REQUESTING A SYSTEM SHUTDOWN FOR CONNECTIONS TO EXISTING SYSTEM. SAID NOTIFICATION SHALL BE MADE A MINIMUM OF THREE WEEKS PRIOR TO SAID SHUTDOWN TO THE TWVD DISTRICT ENGINEER.
- ALL CONNECTIONS OR TIE-INS TO THE EXISTING FACILITIES REQUIRING SYSTEM SHUTDOWN AND DRAINING OF THE EXISTING FACILITIES SHALL BE DONE AT NIGHT OR AS APPROVED BY TWVD.
- AIR VACUUM AND AIR RELEASE ASSEMBLIES SHALL BE INSTALLED IN ACCORDANCE WITH TWVD STANDARD DRAWING W-6. AIR RELEASE VALVES SHALL BE INSTALLED AT ALL HIGH POINTS AND BLOW-OFFS AT ALL LOW POINTS IN THE WATER LINE PROFILE. BLOW-OFFS SHALL BE INSTALLED IN CONFORMANCE TO W-2.
- ALL EXISTING FACILITIES TO BE TIED INTO SHALL BE FIELD VERIFIED AND NOTES SHALL BE SUBMITTED TO TWVD PRIOR TO CONNECTION.
- WATER SYSTEM SHALL BE PRESSURE TESTED AND DISINFECTED IN ACCORDANCE WITH STANDARD SPECIFICATIONS.
- ALL VALVES, PIPING, AND APPURTENANCES SHALL BE DESIGNED TO MEET OR EXCEED THE SPECIFIED PIPE PRESSURE CLASS SHOWN ON THE PLAN PROFILE SHEETS. IN ADDITION, ALL VALVES, PIPELINES AND APPURTENANCES SHALL BE TESTED AT 1.25 TIMES THE MAXIMUM STATIC PRESSURE OF THE PIPELINE, WITH THE TOTAL, ROUNDED UP TO THE NEAREST 25 PSI. VALVES SHALL BE CAPABLE OF WITHSTANDING DESIGN PRESSURES IN A CLOSED POSITION. TESTING SHALL BE PERFORMED IN THE PRESENCE OF THE DISTRICT INSPECTOR.
- CONTRACTOR SHALL FURNISH PHYSICAL AND CHEMICAL TEST RESULTS FOR ALL FITTINGS IN ACCORDANCE TO TWVD STANDARD SPECIFICATIONS.
- ALL MATERIALS, TESTING, AND INSPECTION OF THE PIPE SHALL BE IN CONFORMITY WITH THE REQUIREMENTS OF TWVD AND THE AWWA STANDARDS. FAILURE TO MEET ANY REQUIREMENTS OF THE ABOVE REFERENCED AGENCIES WILL BE CAUSE FOR REJECTION.
- WATER LINE CONSTRUCTION SHALL BE 12-INCH PVC IN ACCORDANCE WITH STANDARD DRAWINGS NOS. W-17, W-19, AND W-20 (FOR PVC PIPE) AND W-22 THROUGH W-32.
- RESTRAINTS SHALL BE USED WITH THRUST BLOCKS IN ACCORDANCE WITH TWVD STANDARD DRAWINGS NO. W-19 AND W-22.

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**DUDEK**

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NO.	BY	DATE	

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RCE : 82058	EXP. DATE 3/31/22
DESIGN : C. CARR	
DRAWN : CAD	
CHECKED : J. SCHMIDEL	



**TEMESCAL VALLEY WATER DISTRICT**

22946 TEMESCAL CANYON ROAD, CORONA, CA 92883-5015  
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FAX: (951) 277-1419

TEMESCAL VALLEY WATER COMPANY KNABE RD POTABLE WATERLINE	DRAWING <b>G-2</b>
GENERAL NOTES	SHEET <u>2</u> OF <u>5</u>
	DATE
	CAD FILE 1401.1506-G-2

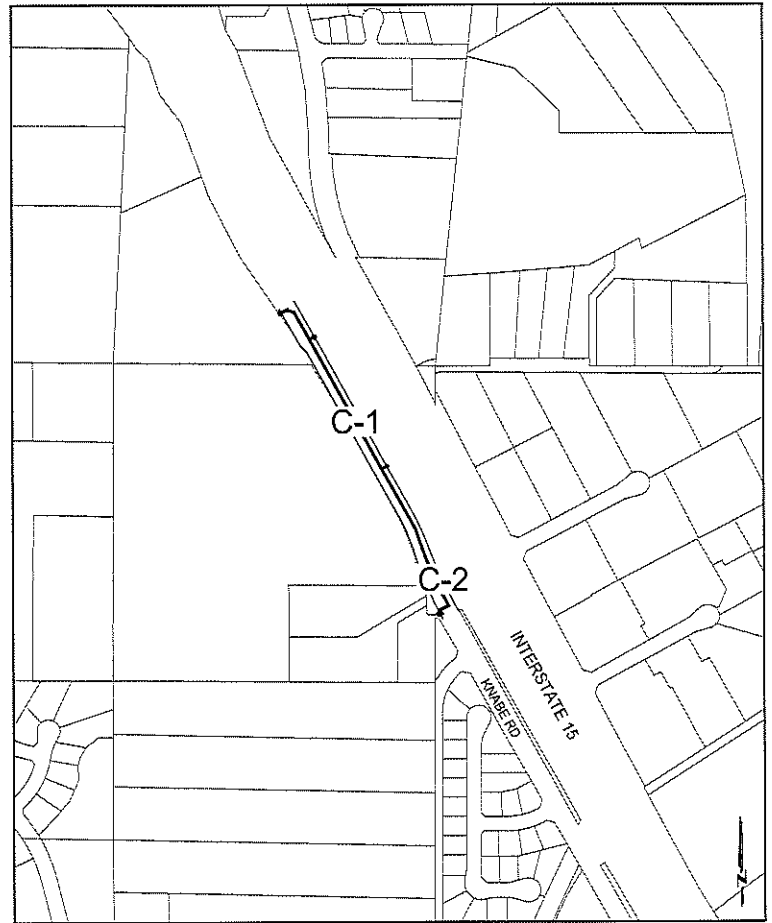
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**LEGEND**

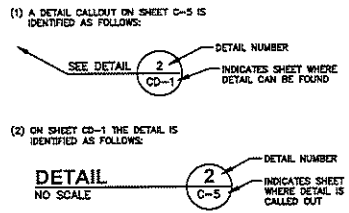
EXISTING FENCE	— x — x — x — x —
EXISTING WATER MAIN	— w — w — w — w —
EXISTING TELEPHONE	— t — t — t — t —
EXISTING ELECTRICAL	— e — e — e — e —
EXISTING OVERHEAD CABLE TELEVISION	— ovt — ovt — ovt — ovt —
EXISTING GAS	— g — g — g — g —
EXISTING OVERHEAD ELECTRICAL	— oe — oe — oe — oe —
EXISTING COMMUNICATION LINE	— cm — cm — cm — cm —
RIGHT OF WAY	— R/W —
EASEMENT	— — — — —
PROPERTY LINE	— p —
EXISTING WATER SERVICE	— —
EXISTING AIR RELIEF VALVE	— —
EXISTING BLOW OFF	— —
EXISTING WATER METER	— —
EXISTING POWER POLE	— —
EXISTING FIRE HYDRANT	— —
EXISTING WATER VALVE	— —
EXISTING TELEPHONE RISER	— —
EXISTING CATV RISER	— —
EDGE OF PAVEMENT	— —
GATE POST	— —
GUARD POST	— —
PROPOSED RECYCLED WATER (SIZE AS SHOWN IN PLAN)	— (DISTRICT STD DWG NO W-17)
PROPOSED 2" AIR VALVE ASSEMBLY	— (DISTRICT REVISED STD DWG NO W-6 WITH AIR ASSEMBLY)
PROPOSED 4" BLOW OFF ASSEMBLY	— (DISTRICT STD DWG NO W-3)
PROPOSED GATE VALVE (SIZE AS SHOWN IN PLAN)	— (DISTRICT STD DWG NOS W-24 & W-25)
THRUST BLOCK	— (DISTRICT STD DWG NO W-22)
PROPOSED 2" RECYCLED WATER SERVICE	— (DISTRICT STD DWG NO W-8)

**ABBREVIATIONS**

AC	ASPHALT CONCRETE
ACP	ASBESTOS CEMENT PIPE
AV	AIR & VACUUM VALVE
BC	BEGIN CURVE
BO	BLOW OFF
BVCE	BEGIN VERTICAL CURVE ELEVATION
BVCS	BEGIN VERTICAL CURVE STATION
CL	CENTERLINE
CLR	CLEARANCE
CMP	CORRUGATED METAL PIPE
DET	DETAIL
DI	DUCTILE IRON
DIP	DUCTILE IRON PIPE
DA	DIAMETER
DWG	DRAWING
E	EASTING OR EAST
EA	EACH
EC	END CURVE
EVCE	END VERTICAL CURVE ELEVATION
EVCS	END VERTICAL CURVE STATION
EXIST	EXISTING
FA	FIRE HYDRANT
FP	FEMALE IRON PIPE THREAD
FLG	FLANGE
G	GAS
GALV	GALVANIZED
HORIZ	HORIZONTAL
HWL	HIGH WATER LEVEL
IE	INVERT ELEVATION
MH	MANHOLE
MJ	MECHANICAL JOINT
PO	PUSH ON
MIN	MINIMUM
N	NORTHING OR NORTH
O.C.	ON CENTER
OD	OUTER DIAMETER
PC	POINT OF CURVE
PRC	POINT OF REVERSE CURVE
PT	POINT OF TANGENT
PE	PLAIN END
PVC	POLYVINYL CHLORIDE
RD	RADIUS
RD	ROAD
R/W	RIGHT OF WAY
S	SEWER
SSPWC	STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION
STA	STATION
STD	STANDARD
TWWD	TEMESCAL VALLEY WATER DISTRICT
TYP	TYPICAL
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
VERT	VERTICAL
W	WEST OR WATER
WAS	WATER AGENCY STANDARDS
WSP	WELDED STEEL PIPE



**CROSS REFERENCING SYSTEM FOR DETAILS**



**RESTRAINED LENGTHS**

11.25'	8 ft
22.5'	15 ft
45'	32 ft
90'	76 ft

ALL FITTINGS SHALL BE RESTRAINED WITH MECHANICAL RESTRAINTS ON BOTH SIDES OF THE JOINT TO THE DISTANCES SPECIFIED IN THE TABLE ABOVE. ALL FITTINGS AND VALVES SHALL BE INSTALLED WITH RESTRAINTS AND THRUST BLOCKS PER TWWD STANDARDS.

**KEY MAP**  
SCALE 1"=1000'

**GRAPHIC SCALE**  
0 1000 2000  
SCALE: 1" = 1000'

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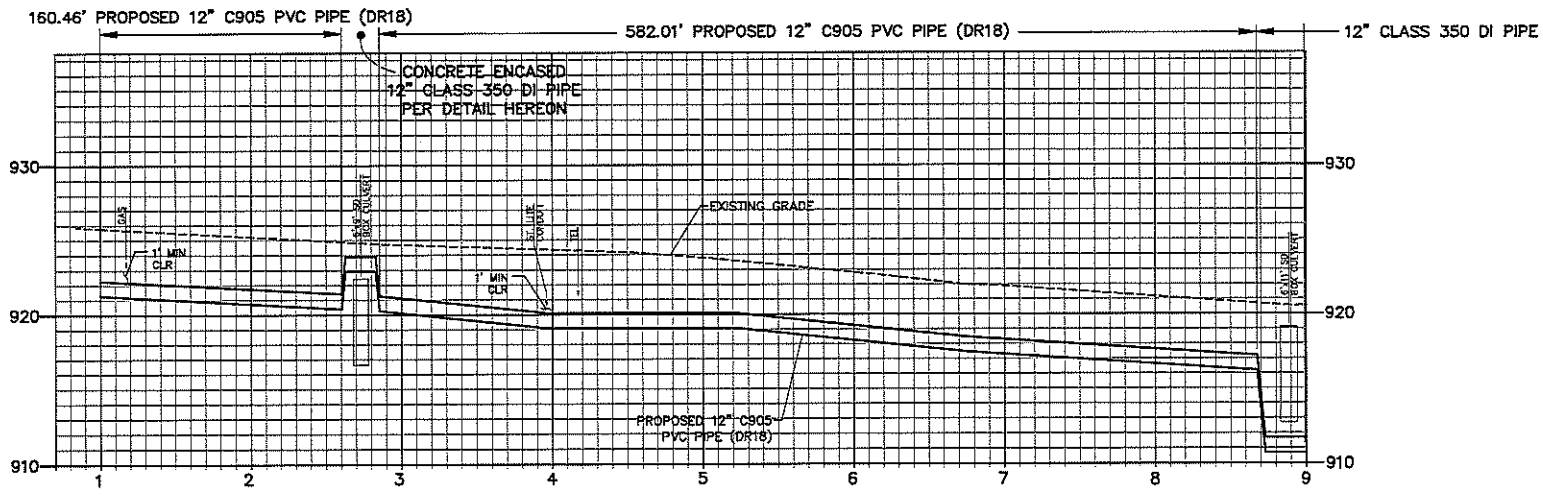
**TEMESCAL VALLEY WATER DISTRICT**

22846 TEMESCAL CANYON ROAD, CORONA, CA 92883-5015  
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TEMESCAL WATER COMPANY  
KNABE RD POTABLE WATERLINE

**KEY MAP, LEGEND, ABBREVIATIONS AND CROSS REFERENCING SYSTEM**

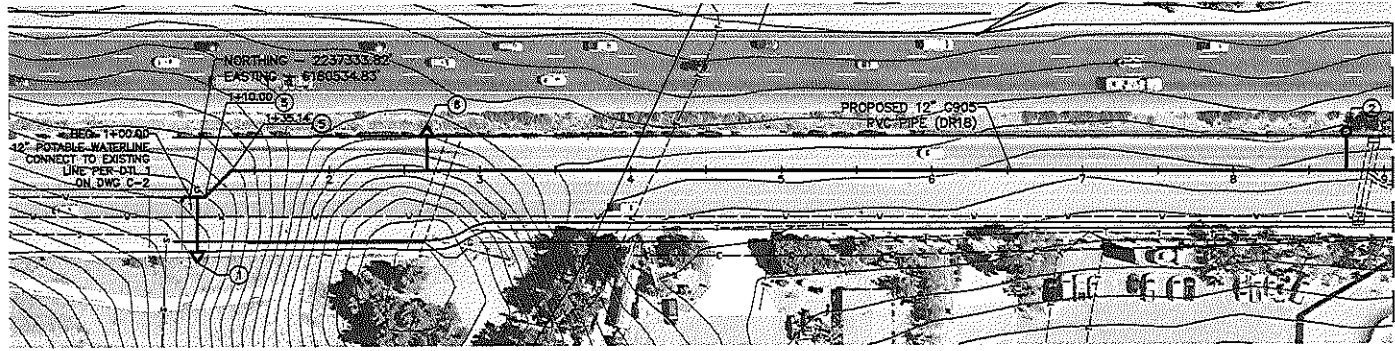
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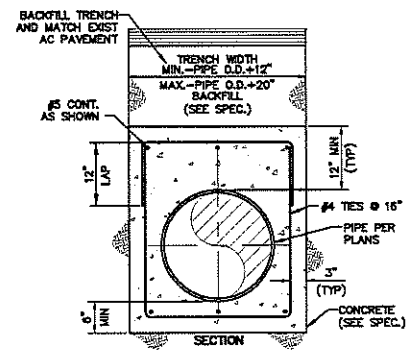
**PROFILE**  
SCALE: 1"=40' HORIZ  
1"= 4' VERT

- NOTES:**
1. ALL FITTINGS AND LENGTHS OF PIPE IDENTIFIED AS RESTRAINED ON THE DRAWINGS SHALL HAVE MECHANICAL JOINT RESTRAINTS, MEGALUG 2000 PV OR EQUAL.
  2. WHERE THE POTABLE WATER LINE CROSSES UNDER AN EXISTING STORM DRAIN OR AN EXISTING SEWER, THERE SHALL BE NO PIPE JOINTS ALLOWED WITHIN 10 FT OF THE CROSSING.
  3. ALL FITTINGS SHALL BE DI MJ ALL FITTINGS SHALL BE FUSION BONDED EPOXY LINED AND COATED PER AWWA STANDARDS.

- LEGEND:**
- ① 2" MANUAL AIR VALVE ASSEMBLY PER WAS STD. DETAIL WA-01
  - ② 4" BLOW-OFF ASSEMBLY PER TVWD STD DWG W-2
  - ③ 11.25' BEND
  - ④ 90° BEND
  - ⑤ 45° BEND
  - ⑥ AIR VALVE PER TVWD STD DTL W-5



**PLAN**  
SCALE: 1"=40'



**CONCRETE PIPE ENCASEMENT**  
SCALE: NONE

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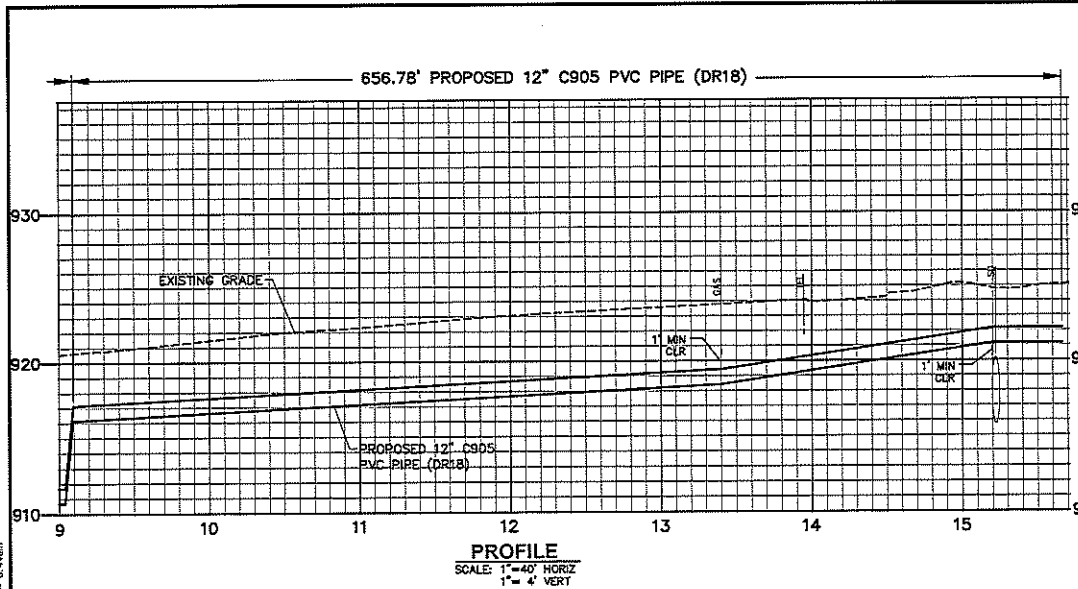
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TEMESCAL WATER COMPANY		DRAWING	
KNABE RD POTABLE WATERLINE		C-1	
KNABE RD PLAN & PROFILE		SHEET 4 OF 5	
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		CAD FILE 1401.1906.C	

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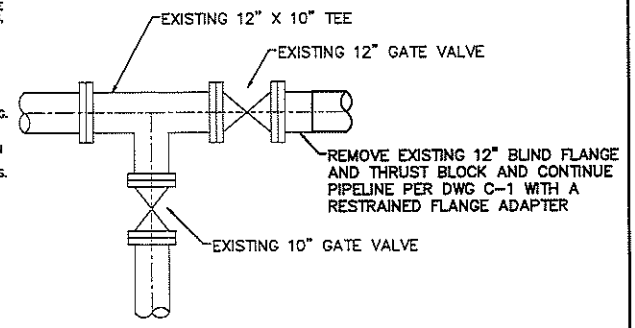
**PROFILE**  
 SCALE: 1"=40' HORIZ  
 1"=4' VERT

**NOTES:**

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3. ALL FITTINGS SHALL BE DI MJ. ALL FITTINGS SHALL BE FUSION BONDED EPOXY LINED AND COATED PER AWWA STANDARDS.

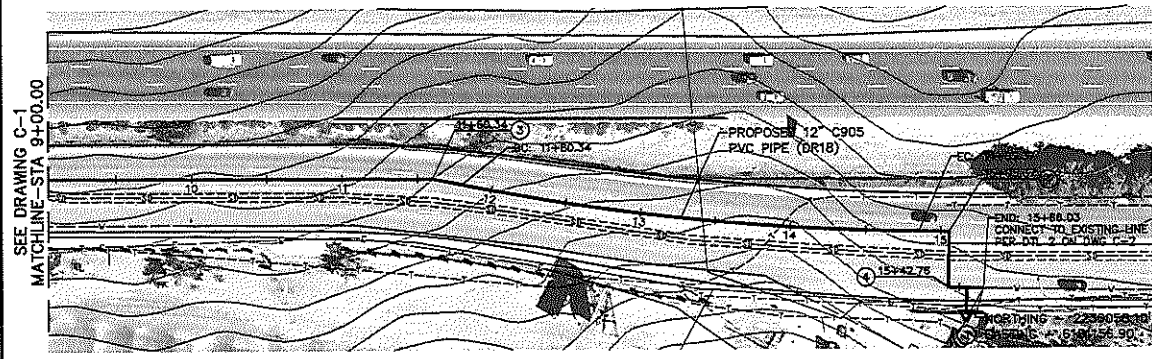
**LEGEND:**

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- ④ 90° BEND
- ⑤ 45° BEND
- ⑥ AIR VALVE PER TWVD STD DTL W-5

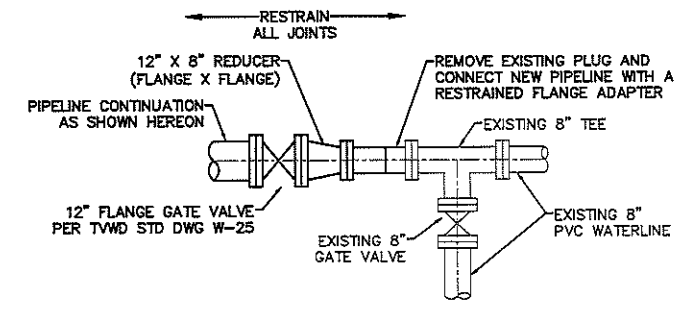


**NORTH END CONNECTION DETAIL**  
 NOT TO SCALE

1  
C-1



**PLAN**  
 SCALE: 1"=40'



**SOUTH END CONNECTION DETAIL**  
 NOT TO SCALE

2  
C-2

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TEMESCAL WATER COMPANY  
**KNABE RD POTABLE WATERLINE**  
**KNABE RD PLAN & PROFILE**  
**STA 10+00.00 TO 13+58.10**

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SHEET	5 OF 5
DATE	
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