



AGENDA

**REGULAR MEETING OF THE BOARD OF DIRECTORS
LA PUENTE VALLEY COUNTY WATER DISTRICT
112 N. FIRST STREET, LA PUENTE, CALIFORNIA
MONDAY, MARCH 9, 2020 AT 5:30 PM**

1. CALL TO ORDER

2. PLEDGE OF ALLEGIANCE

3. ROLL CALL OF BOARD OF DIRECTORS

President Hernandez _____ Vice President Hastings _____ Director Barajas _____
Director Escalera _____ Director Rojas _____

4. PUBLIC COMMENT

Anyone wishing to discuss items on the agenda or pertaining to the District may do so now. The Board may allow additional input during the meeting. A five-minute limit on remarks is requested.

5. ADOPTION OF AGENDA

Each item on the Agenda shall be deemed to include an appropriate motion, resolution or ordinance to take action on any item. Materials related to an item on this agenda submitted after distribution of the agenda packet are available for public review at the District office, located at the address listed above.

6. APPROVAL OF CONSENT CALENDAR

There will be no separate discussion of Consent Calendar items as they are considered to be routine by the Board of Directors and will be adopted by one motion. If a member of the Board, staff, or public requests discussion on a particular item, that item will be removed from the Consent Calendar and considered separately.

- A. Approval of Minutes of the Regular Meeting of the Board of Directors held on February 24, 2020.
- B. Approval of District Expenses for the Month of February 2020.
- C. Approval of City of Industry Waterworks System Expenses for the Month of February 2020.
- D. Receive and File the District's Water Sales Report for February 2020.
- E. Receive and File the City of Industry Waterworks System's Water Sales Report for February 2020.

7. ACTION / DISCUSSION ITEMS

- A. Consideration of Revised Proposal from Civiltec Engineering for Construction Management Support and Environmental Mitigation and Monitoring Reporting Program Services for the District's Recycled Water System Project.

Recommendation: Authorize the General Manager to Proceed with the Work as Proposed by Civiltec Engineering for an Amount Not to Exceed \$150,000.

- B. Consideration of Proposal from Variable Speed Solutions, Inc. for the Purchase of a Packaged Pump Station for the District's Recycled Water Project.

Recommendation: Authorize the General Manager to Purchase the Packaged Pump Station as Proposed for a Not to Exceed Amount of \$196,000.

- C. Consideration of Resolution No. 265 Adopting a Debt Management Policy for the District.

Recommendation: Approve Resolution No. 265.

- D. Consideration of Proposal from Evoqua Water Technologies LLC for the Design of a Nitrate Removal Ion Exchange Treatment System.

Recommendation: Authorize the General Manager to Proceed with the Work as Proposed by Evoqua Water Technologies LLC for an Amount Not to Exceed \$12,250.

8. GENERAL MANAGER'S REPORT

9. OPERATIONS AND COMPLIANCE REPORT

Recommendation: Receive and File.

10. OTHER ITEMS

- A. Upcoming Events.
B. Information Items.

11. ATTORNEY'S COMMENTS

12. BOARD MEMBER COMMENTS

- A. Report on Events Attended.
B. Other Comments.

13. FUTURE AGENDA ITEMS

14. ADJOURNMENT

POSTED: Friday, March 6, 2020

President Henry P. Hernandez, Presiding.

Any qualified person with a disability may request a disability-related accommodation as needed to participate fully in this public meeting. In order to make such a request, please contact Mr. Greg Galindo, Board Secretary, at (626) 330-2126 in sufficient time prior to the meeting to make the necessary arrangements.

Note: Agenda materials are available for public inspection at the District office or visit the District's website at www.lapuentewater.com.



**MINUTES OF THE REGULAR MEETING OF
THE BOARD OF DIRECTORS OF THE
LA PUENTE VALLEY COUNTY WATER DISTRICT
FOR MONDAY, FEBRUARY 24, 2019 AT 5:30 PM**

1. CALL TO ORDER

President Hernandez called the meeting to order at 5:30 p.m.

2. PLEDGE OF ALLEGIANCE

President Hernandez led the meeting in the Pledge of Allegiance.

3. ROLL CALL OF THE BOARD OF DIRECTORS

President Hernandez	Vice President Hastings	Director Barajas	Director Escalera	Director Rojas
Present	Present	Present	Present	Present

OTHERS PRESENT

Staff and Counsel: General Manager & Board Secretary, Greg Galindo; Office Manager, Gina Herrera; Customer Service & Accounting Clerk, Vanessa Koyama; Engineering and Compliance Superintendent, Paul Zampello and District Counsel, Jim Ciampa.

Public: James L'Esperance, from Northrop Grumman.

4. PUBLIC COMMENTS

There were no comments from the public.

5. ADOPTION OF AGENDA

Motion: Adopt Agenda as Presented.

1st: Director Rojas

2nd: President Hernandez

	President Hernandez	Vice President Hastings	Director Barajas	Director Escalera	Director Rojas
Vote	Yes	Yes	Yes	Yes	Yes

Motion carried by a vote of: 5 Yes, 0 No, 0 Abstain.

6. APPROVAL OF CONSENT CALENDAR

- A. Approval of Minutes of the Regular Meeting of the Board of Directors held on January 27, 2020.**
- B. Approval to Attend the U.S. House Transportation & Infrastructure Subcommittee on Water Resources and Environment on Friday, March 6, 2020, in Baldwin Park, CA,**

Motion: Approve Consent Calendar as Presented.

1st: Director Rojas

2nd: Director Escalera

	President Hernandez	Vice President Hastings	Director Barajas	Director Escalera	Director Rojas
Vote	Yes	Yes	Yes	Yes	Yes

Motion carried by a vote of: 5 Yes, 0 No, 0 Abstain.

7. FINANCIAL REPORTS

A. Summary of the District’s Cash and Investments as of January 31, 2020.

Mr. Galindo provided a summary of the balances in each account provided in the Summary of Cash and Investments as of January 31, 2020.

Motion: Receive and File the Summary of Cash and Investments as of January 31, 2020.

1st: Vice President Hastings

2nd: President Hernandez

	President Hernandez	Vice President Hastings	Director Barajas	Director Escalera	Director Rojas
Vote	Yes	Yes	Yes	Yes	Yes

Motion carried by a vote of: 5 Yes, 0 No, 0 Abstain.

B. Statement of District’s Revenue and Expenses as for January 31, 2020.

Mrs. Herrera provided a summary of the Statement of Revenues and Expenses for the District as of January 31, 2020 and explained the budget to date balances for various accounts. She also informed the Board that the preliminary 2019 audit has been performed and the final audit is scheduled to take place mid-March.

Motion: Receive and File the Statement of the District’s Revenue and Expenses as of January 31, 2020.

1st: President Hernandez

2nd: Director Barajas

	President Hernandez	Vice President Hastings	Director Barajas	Director Escalera	Director Rojas
Vote	Yes	Yes	Yes	Yes	Yes

Motion carried by a vote of: 5 Yes, 0 No, 0 Abstain.

C. Statement of the Industry Public Utilities’ Water Operations Revenue and Expenses as of January 31, 2020.

Mrs. Herrera provided a summary of the Statement of Revenues and Expenses for the Industry Public Utilities’ Water Operations and explained the budget to date balances for various accounts.

Motion: Receive and File the Statement of the Industry Public Utilities Water Operations’ Revenue and Expenses as of January 31, 2020.

1st: Director Barajas

2nd: President Hernandez

	President Hernandez	Vice President Hastings	Director Barajas	Director Escalera	Director Rojas
Vote	Yes	Yes	Yes	Yes	Yes

Motion carried by a vote of: 5 Yes, 0 No, 0 Abstain.

8. PUBLIC HEARING ON THE ADOPTION OF INITIAL STUDY/MITIGATED NEGATIVE DECLARATION FOR THE PUENTE VALLEY OPERABLE UNIT SHALLOW ZONE SOUTH INTERIM REMEDY PROJECT LOCATED WITHIN THE CITIES OF INDUSTRY AND LA PUENTE, CA.

President Hernandez opened the public hearing at 5:38 pm. Mr. Galindo provided a brief summary of the revised Initial Study/Mitigated Negative Declaration for the Shallow Zone South Interim Remedy Project with the Board and the CEQA process. Mr. James L’Esperance presented an overview the Shallow Zone South project and summarized the environmental mitigation measures that will be put in place for the project. During and at the conclusion of Mr. L’Esperance’s presentation there was much discussion between the Board, staff and Mr. L’Esperance regarding the remedy project.

Motion: To Close the Public Hearing on the Adoption of Initial Study/Mitigated Negative Declaration for the Puente Valley Operable Unit Shallow Zone South Interim Remedy Project Located Within the Cities of Industry and La Puente, CA.

1st: Director Rojas

2nd: President Hernandez

	President Hernandez	Vice President Hastings	Director Barajas	Director Escalera	Director Rojas
Vote	Yes	Yes	Yes	Yes	Yes

Motion carried by a vote of: 5 Yes, 0 No, 0 Abstain.

Public Hearing closed at 6:08 p.m.

9. ACTION / DISCUSSION ITEMS

A. Consideration of Resolution No. 263 Adopting the Initial Study/Mitigated Negative Declaration for the Puente Valley Operable Unit, Shallow Zone South Interim Remedy Project.

Mr. Galindo provided an overview of Resolution No. 263 and reviewed the mitigation monitoring and reporting plan with the Board. After some discussion a motion was made by President Hernandez.

Motion: Approve the District’s 2018 Consumer Confidence Report for Distribution to the District’s Customers.

1st: President Hernandez

2nd: Director Rojas

	President Hernandez	Vice President Hastings	Director Barajas	Director Escalera	Director Rojas
Vote	Yes	Yes	Yes	Yes	Yes

Motion carried by a vote of: 5 Yes, 0 No, 0 Abstain.

B. Consideration of Agreement for Operation Services of a Water Treatment Facility with Northrop Grumman Systems Corporation for the Puente Valley Operable Unit Shallow Zone South Project.

Mr. Galindo provided a summary of the proposed agreement. He stated that the proposed agreement is very similar to the agreement the District has with Northrop for the operations of the PVOU Intermediate Zone project facility. He also gave an overview of the PVOU Shallow Zone Project Management Fee provision and three of the exhibits to the agreement, including the labor rates the District will use to bill Northrop for the operations of the facility. After some discussion a motion was made by Director Rojas.

Motion: Authorize the General Manager to Execute Agreement for Operations Services of a Water Treatment Facility for the Puente Valley Operable Unit Shallow Zone South Project.

1st: Director Rojas

2nd: Director Barajas

	President Hernandez	Vice President Hastings	Director Barajas	Director Escalera	Director Rojas
Vote	Yes	Yes	Yes	Yes	Yes

Motion carried by a vote of: 5 Yes, 0 No, 0 Abstain.

C. Consideration of Amendment No.1 to the Agreement for Operation Services of a Water Treatment Facility Between the District and Northrop Grumman for the Puente Valley Operable Unit Intermediate Zone Project.

Mr. Galindo provided a summary of the Amendment to the Management Fee. Mr. James L’Esperance gave an update on the project and explained various components of the Project. A motion was made by Director Escalera.

Motion: Approve Amendment No. 1 to the Agreement for Operation Services of a Water Treatment Facility.

1st: Director Escalera

2nd: Vice President Hastings

	President Hernandez	Vice President Hastings	Director Barajas	Director Escalera	Director Rojas
Vote	Yes	Yes	Yes	Yes	Yes

Motion carried by a vote of: 5 Yes, 0 No, 0 Abstain.

D. Consideration of Resolution 264 Establishing a Policy for Discontinuation of Residential Water Service for Non- Payment.

Mr. Galindo provided additional information on the proposed policy to comply with SB 998. He went over the three requirements that must be met and stated that the rules and regulations for water service will also need updating to include this new policy. Mr. Galindo assured the Board that the Administrative Office is in the process of updating its procedures to comply with the new law. Mr. Ciampa provided some clarification on the amount of days prior to disconnecting service for a customer that does not comply with an alternative payment arrangement. After some discussion there was a motion by Director Rojas.

Motion: Approve Resolution 264 Establishing a Policy for Discontinuation of Residential Water Service for Non-Payment.

1st: Director Rojas

2nd: President Hernandez

	President Hernandez	Vice President Hastings	Director Barajas	Director Escalera	Director Rojas
Vote	Yes	Yes	Yes	Yes	Yes

Motion carried by a vote of: 5 Yes, 0 No, 0 Abstain.

E. Consideration of Engineering Services Proposal from Tetra Tech for Recycled Water Customer Retrofit Support Services.

Mr. Galindo provided a summary of the proposal provided by Tetra Tech and the need for the engineering services to assist the District in converting irrigation services to recycle water services. After some discussion a motion was made by President Hernandez.

Motion: Authorize the General Manager to Proceed with the Work as Proposed by Tetra Tech for a Not to Exceed amount of \$30,000.

1st: President Hernandez

2nd: Vice President Hastings

	President Hernandez	Vice President Hastings	Director Barajas	Director Escalera	Director Rojas
Vote	Yes	Yes	Yes	Yes	Yes

Motion carried by a vote of: 5 Yes, 0 No, 0 Abstain.

10. GENERAL MANAGER’S REPORT

Mr. Galindo had nothing to report.

11. OTHER ITEMS

A. Upcoming Events.

Mrs. Herrera reviewed upcoming events with the Board and verified what events each member would be attending.

B. Information Items.

Included in Board Packet.

12. ATTORNEY’S COMMENTS

Mr. Ciampa stated that in regards to the Opus Bank loan for the District, the final comments to Opus Bank were approved. Mr. Ciampa also reported that he reviewed items being considered in the new legislations and there was nothing too drastic that required attention at this time.

13. BOARD MEMBER COMMENTS

A. Report on Events Attended.

President Escalera reported that he attended 2 events: SGVWA Quarterly Meeting; SCWUA Monthly Meeting.

Director Rojas reported that he attended 2 events: SGVWA Quarterly Meeting; SCWUA Monthly Meeting.

Director Barajas reported that he attended 2 events: SGVWA Quarterly Meeting; SCWUA Monthly Meeting.

B. Other Comments.

Director Escalera requested that the meeting be closed in memory of Geraldine Zapata, who passed away a few days ago, she and her family were life time residents of La Puente. President Hernandez requested that the meeting be closed in memory of Teresa Flores, who was also a long-time resident of La Puente.

14. FUTURE AGENDA ITEMS

Mr. Rojas requested a donation of water be made to the Youth Activities League.

15. ADJOURNMENT

President Hernandez adjourned the meeting at 6:43 p.m.

Attest:

Henry P. Hernandez, President

Greg B. Galindo, Secretary

La Puente Water District February 2020 Disbursements

Check #	Payee	Amount	Description
7530	Petty Cash	\$ 93.49	Office/Field Expense
7531	Juan Esquer	\$ 49.79	Customer Overpayment Refund
7532	Answering Service Care	\$ 155.48	Answering Service
7533	CA-NV Section AWWA	\$ 100.00	Certification Renewal - Molina
7534	CCSInteractive	\$ 54.40	Monthly Website Hosting
7535	Ferguson Waterworks	\$ 1,609.00	Meter Expense & LP Park Project
7536	Geosyntec Consultants	\$ 7,786.80	Nitrate Treatment Projecct
7537	Highroad IT	\$ 686.75	Technical Support
7538	InfoSend	\$ 4.00	Billing Expense
7539	Merritt's Hardware	\$ 339.14	Field Supplies
7540	Morrow Meadows Corp	\$ 274.42	Booster Maintenance
7541	Nobel Systems	\$ 15,900.00	Data Collection Module & Support
7542	O'Reilly Auto Parts	\$ 290.70	Truck Maintenance
7543	S & J Supply Co Inc	\$ 553.47	Field Supplies - Inventory
7544	San Gabriel Valley Water Association	\$ 120.00	Seminar Expense
7545	SC Edison	\$ 3,844.76	Power Expense
7546	Superior Laundry - Laundry Up	\$ 345.02	Uniform Maintenance
7547	Underground Service Alert	\$ 80.32	Line Notifications
7548	Weck Laboratories Inc	\$ 144.50	Water Sampling
7549	Waste Management of SG Valley	\$ 206.22	Trash Service
7550	Eurofins Eaton Analytical Inc	\$ 400.00	Water Sampling
7551	Hach Company	\$ 960.23	Field Supplies - Compliance
7552	Hopkins Technical Products	\$ 70.26	Chemical Pump Maintenance
7553	Northstar Chemical	\$ 9,087.37	Chemicals Expense
7554	Tri County Pump Company	\$ 18,020.40	Well Maintenance
7555	Trojan UV	\$ 74,803.27	Quarterly Service Contract & UV Lamps
7556	United Site Services of Calif Inc	\$ 402.15	Restroom Service @ Treatment Plant
7557	Weck Laboratories Inc	\$ 2,478.75	Water Sampling
7558	Weck Laboratories Inc	\$ 1,832.25	Water Sampling
7559	Weck Laboratories Inc	\$ 518.00	Water Sampling
7560	Chevron	\$ 2,788.07	Fuel Expense
7561	Coverall North America Inc	\$ 255.00	Cleaning Service
7562	Ed Butts Ford	\$ 1,073.71	Truck Maintenance
7563	Highroad IT	\$ 150.00	Computer Expense
7564	InfoSend	\$ 896.00	Billing Expense
7565	McCalls Meter Sales & Service	\$ 400.00	Meter Maintenance
7566	Peck Road Gravel	\$ 280.00	Asphalt & Concrete Disposal
7567	San Gabriel Valley Water Company	\$ 518.49	Water Service @ Treatment Plant
7568	Time Warner Cable	\$ 286.54	Telephone Service
7569	Tri County Pump Company	\$ 12,529.10	Booster & Pump Maintenance
7570	Valley Vista Services	\$ 324.16	Trash Service
7571	Weck Laboratories Inc	\$ 2,174.50	Water Sampling
7572	Time Warner Cable	\$ 644.28	Telephone Service
7573	ACWA/JPIA	\$ 32,969.53	Health Benefits
7574	Bank of America-Visa	\$ 939.47	Conference & Administrative Expenses
7575	Canyon Water Company	\$ 780,780.00	Lease of Water Rights

La Puente Water District February 2020 Disbursements - continued

Check #	Payee	Amount	Description
7576	Citi Cards	\$ 2,584.22	Conference & Administrative Expenses
7577	City of Industry LAC	\$ 194.37	Recycled Water Expense
7578	Ferguson Waterworks	\$ 1,117.10	Meter Expense
7579	Jack Henry & Associates	\$ 38.75	Web E-Check Fee's
7580	Lagerlof LLP	\$ 5,226.00	Attorney Fee's
7581	Lincoln National Life Insurance Company	\$ 650.42	Disability Insurance
7582	McMaster-Carr Supply Co	\$ 82.66	Well Maintenance
7583	Peck Road Gravel	\$ 700.00	Asphalt & Concrete Disposal
7584	Phillip G Tate	\$ 34,268.43	Lease of Water Rights
7585	Premier Access Insurance Co	\$ 3,013.70	Dental Insurance
7586	Staples	\$ 106.09	Office Supplies
7587	Time Warner Cable	\$ 314.41	Telephone Service
7588	Weck Laboratories Inc	\$ 89.00	Water Sampling
7589	State Water Resources Control Board	\$ 90.00	Certification Renewal - Clark
7590	CAT Specialties Inc	\$ 353.38	Administrative Expense
7591	Cell Business Equipment	\$ 33.02	Office Expense
7592	City of Industry LAC	\$ 150.00	Recycled Water Expense
7593	Eurofins Eaton Analytical Inc	\$ 40.00	Water Sampling
7594	MetLife	\$ 246.04	Life Insurance
7595	MJM Communications & Fire	\$ 1,163.34	Security Monitoring
7596	Peck Road Gravel	\$ 280.00	Asphalt & Concrete Disposal
7597	Platinum Consulting Group	\$ 1,735.16	Administrative Support
7598	Red Wing Shoes	\$ 295.62	Boot Allowance
7599	S & J Supply Co Inc	\$ 3,034.13	LP Park Expense
7600	So Cal Water Utilities Association	\$ 90.00	Seminar Expense
7601	Verizon Wireless	\$ 76.02	Celluar Service
7602	Verizon Wireless	\$ 418.22	Celluar Service
7603	Weck Laboratories Inc	\$ 114.50	Water Sampling
7604	Western Water Works	\$ 6,020.74	Field Supplies - Inventory
7605	SC Edison	\$ 24,906.15	Power Expense
7606	Verizon Wireless	\$ 779.72	Celluar Service
7607	John P Escalera	\$ 53.48	AGWA/AGWT Conference Mileage Expense
Online	Home Depot	\$ 3,231.11	Field Supplies
Autodeduct	Wells Fargo	\$ 163.56	Merchant Fee's
Autodeduct	Wells Fargo	\$ 513.11	Bank Fee's
Autodeduct	First Data Global Leasing	\$ 44.00	Credit Card Machine Lease
Autodeduct	Bluefin Payment Systems	\$ 620.47	Web Merchant Fee's
On-line	United States Treasury	\$ 24,332.92	Federal, Social Security & Medicare Taxes
On-line	EDD	\$ 4,254.85	California State & Unemployment Taxes
On-line	Lincoln Financial Group	\$ 3,700.00	Deferred Comp
On-line	CalPERS	\$ 12,651.18	Retirement Program
Total Payments		<u>\$ 1,115,995.66</u>	

La Puente Valley County Water District
Payroll Summary
February 2020

	February 2020
Employee Wages, Taxes and Adjustments	
Gross Pay	
Total Gross Pay	97,421.69
Deductions from Gross Pay	
457b Plan Employee	-3,700.00
CalPers EEC	-656.20
MetLife	-71.04
Total Deductions from Gross Pay	<u>-4,427.24</u>
Adjusted Gross Pay	92,994.45
Taxes Withheld	
Federal Withholding	-9,403.00
Medicare Employee	-1,414.92
Social Security Employee	-6,050.04
CA - Withholding	-4,089.96
Medicare Employee Addl Tax	0.00
Total Taxes Withheld	<u>-20,957.92</u>
Net Pay	<u>72,036.53</u>
Employer Taxes and Contributions	
Medicare Company	1,414.92
Social Security Company	6,050.04
CA - Unemployment	155.19
CA - Employment Training Tax	9.70
Total Employer Taxes and Contributions	<u>7,788.85</u>

La Puente Water District February 2020 Disbursements

Total Vendor Payables	\$ <u>1,115,995.66</u>
Total Payroll	\$ <u>72,036.53</u>
Total February 2020 Disbursements	\$ <u><u>1,188,032.19</u></u>

Invoice No. 4- 2020-02

March 1, 2020

BPOU Project Committee Members

RE: BPOU O & M Expense Reimbursement Summary



The following cost breakdown represents O & M expenses incurred by the LPVCWD for the month of February 2020.

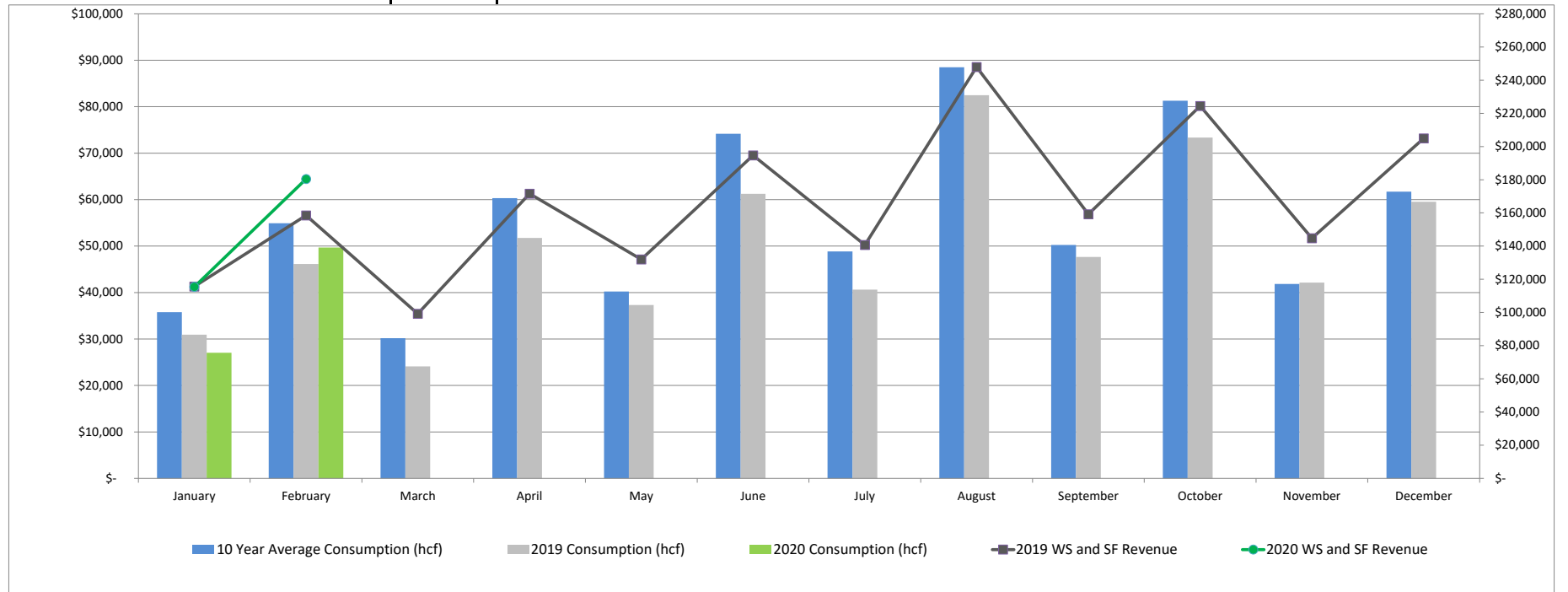
<u>BPOU Acct No.</u>	<u>Description</u>	<u>Invoice No.</u>	<u>Vendor</u>	<u>Amount</u>	<u>Subtotal</u>
LP.02.01.01.00	Power	2-15-629-6188	SC Edison	\$16,343.21	
		2-03-187-2179	SC Edison	\$ 8,562.94	\$ 24,906.15
LP.02.01.02.00	Labor Costs	Feb-20	LPVCWD	\$17,231.79	\$ 17,231.79
LP.02.01.05.00	Transportation	Feb-20	LPVCWD - 1431 miles @ .575	\$ 822.83	\$ 822.83
LP .02.01.07.00	Water Testing	L0494523	Eurofins	\$ 80.00	
		L0494531	Eurofins	\$ 40.00	
		L0496042	Eurofins	\$ 80.00	
		L0497394	Eurofins	\$ 80.00	
		L0498233	Eurofins	\$ 80.00	
		W0B0294	Weck Labs	\$ 190.75	
		W0B0343	Weck Labs	\$ 87.00	
		W0B0706	Weck Labs	\$ 243.25	
		W0B0883	Weck Labs	\$ 180.00	
		W0B0884	Weck Labs	\$ 278.00	
		W0B0885	Weck Labs	\$ 278.00	
		W0B0926	Weck Labs	\$ 87.00	
		W0B1025	Weck Labs	\$ 190.75	
		W0B1026	Weck Labs	\$ 184.00	
		W0B1030	Weck Labs	\$ 120.00	
		W0B1274	Weck Labs	\$ 180.00	
		W0B1275	Weck Labs	\$ 610.00	
		W0B1572	Weck Labs	\$ 184.00	
		W0C0079	Weck Labs	\$ 180.00	
		W0C0080	Weck Labs	\$ 87.00	
		W0C0081	Weck Labs	\$ 180.00	
		W0C0082	Weck Labs	\$ 184.00	
		W0C0258	Weck Labs	\$ 265.75	
		W0C0260	Weck Labs	\$ 295.75	
		W9E0626	Weck Labs	\$ 200.00	
		W9E0638	Weck Labs	\$ 28.00	
		W9G1012	Weck Labs	\$ 452.00	
		W9G1014	Weck Labs	\$ 149.00	
		W9G1016	Weck Labs	\$ 278.00	
		W9G1017	Weck Labs	\$ 278.00	
		W9G1019	Weck Labs	\$ 190.75	
		W9G1020	Weck Labs	\$ 149.00	
		W0I0387	Weck Labs	\$ 149.00	
		W9I0400	Weck Labs	\$ 149.00	\$ 6,388.00
LP.02.01.10.00	Operations Monitoring	9462;02/20	Spectrum Business	\$ 344.28	
		2906;02/20	Spectrum Business	\$ 300.00	
		9848453310	Verizon	\$ 779.72	\$ 1,424.00
<u>LP.02.01.12.00</u>	<u>Materials/Supplies</u>				
LP.02.01.12.02	Filter Cartridges	97150276	Pall	\$ 6,117.03	
		97203434	Pall	\$ 1,024.41	\$ 7,141.44
LP.02.01.12.05	Hydrogen Peroxide	163229	Northstar Chemical	\$ 2,248.99	\$ 2,248.99
LP.02.01.12.06	Sodium Hypochlorite	162780	Northstar Chemical	\$ 1,753.32	
		163093	Northstar Chemical	\$ 1,800.08	\$ 3,553.40
LP.02.01.12.11	Sodium Hydroxide	163551	Northstar Chemical	\$ 1,255.68	\$ 1,255.68
LP.02.01.12.15	Other Expendables	2050301	Home Depot	\$ 47.17	
		116570	Merritt's Hardware	\$ 32.98	
		116695	Merritt's Hardware	\$ 13.19	\$ 93.34
LP.02.01.12.17	Sulfuric Acid	162949	Northstar Chemical	\$ 1,844.40	\$ 1,844.40
LP.02.01.16.00	Direct Eng. Stetson etc./Legal	1960-2001	Stetson Engineers	\$ 366.00	\$ 366.00
LP.02.01.80.00	Other O & M	22456	MJM Communications	\$ 581.67	
		20725	Highroad IT	\$ 134.00	
		Feb-20	Petty Cash	\$ 55.00	
		114-9879151	United Site Sevices	\$ 402.15	
		0879159-2519-9	Waste Management	\$ 206.22	\$ 1,379.04
			Total Expenditures		\$ 68,655.06
			District Pumping Cost Deduction		\$ 13,941.93
			Total Cost Reimbursable		\$ 54,713.13

Industry Public Utilities February 2020 Disbursements

Check #	Payee	Amount	Description
3928	Answering Service Care	\$ 155.48	Answering Service
3929	CCSInteractive	\$ 13.60	Monthly Website Hosting
3930	Highroad IT	\$ 552.75	Technical Support
3931	InfoSend	\$ 3.00	Billing Expense
3932	La Puente Valley County Water District	\$ 54,455.71	Labor Costs January 2020
3933	Merritt's Hardware	\$ 171.77	Field Supplies
3934	Morrow Meadows Corp	\$ 14,807.00	Well 5 Repairs
3935	Nobel Systems	\$ 8,900.00	Data Collection Module & Support
3936	SC Edison	\$ 1,467.80	Power Expense
3937	Stetson Engineers Inc	\$ 10,208.85	Engineering Support
3938	Underground Service Alert	\$ 80.31	Line Notifications
3939	Weck Laboratories Inc	\$ 122.50	Water Sampling
3940	Highroad IT	\$ 150.00	Computer Expense
3941	InfoSend	\$ 687.33	Billing Expense
3942	Peck Road Gravel	\$ 280.00	Asphalt & Concrete Disposal
3943	SoCal Gas	\$ 14.79	Gas Expense
3944	Time Warner Cable	\$ 76.32	Telephone Service
3945	Time Warner Cable	\$ 286.54	Telephone Service
3946	Weck Laboratories Inc	\$ 1,940.00	Water Sampling
3947	Industry Public Utility Commission	\$ 752.65	Industry Hills Power Expense
3948	La Puente Valley County Water District	\$ 256.55	Bank Fee's Reimbursement
3949	La Puente Valley County Water District	\$ 234,234.00	Lease of Water Rights
3950	Peck Road Gravel	\$ 700.00	Asphalt & Concrete Disposal
3951	Staples	\$ 74.31	Office Supplies
3952	Weck Laboratories Inc	\$ 107.50	Water Sampling
3953	Cell Business Equipment	\$ 33.01	Office Expense
3954	MJM Communications & Fire	\$ 581.66	Security Monitoring
3955	Peck Road Gravel	\$ 280.00	Asphalt & Concrete Disposal
3956	Platinum Consulting Group	\$ 251.25	Administrative Support
3957	Raftelis Financial Consultants	\$ 9,163.75	Water Rate Study
3958	San Gabriel Valley Water Company	\$ 1,132.54	Purchased Water - Salt Lake
3959	SC Edison	\$ 4,587.04	Power Expense
3960	SoCal Gas	\$ 16.27	Gas Expense
3961	Verizon Wireless	\$ 76.02	Cellular Service
3962	Verizon Wireless	\$ 418.22	Cellular Service
3963	Weck Laboratories Inc	\$ 107.50	Water Sampling
Online	Home Depot	\$ 285.37	Field Supplies
Online	County of Los Angeles	\$ 1,100.00	Permit Fee's
Autodeduct	Wells Fargo	\$ 81.44	Merchant Fee's
Autodeduct	Bluefin Payment Systems	\$ 684.90	Web Merchant Fee's
Autodeduct	Jack Henry & Associates	\$ 40.45	Web E-Check Fee's
Autodeduct	First Data Global Leasing	\$ 44.00	Credit Card Machine Lease - Monthly
Total February 2020 Disbursements		\$ 349,382.18	

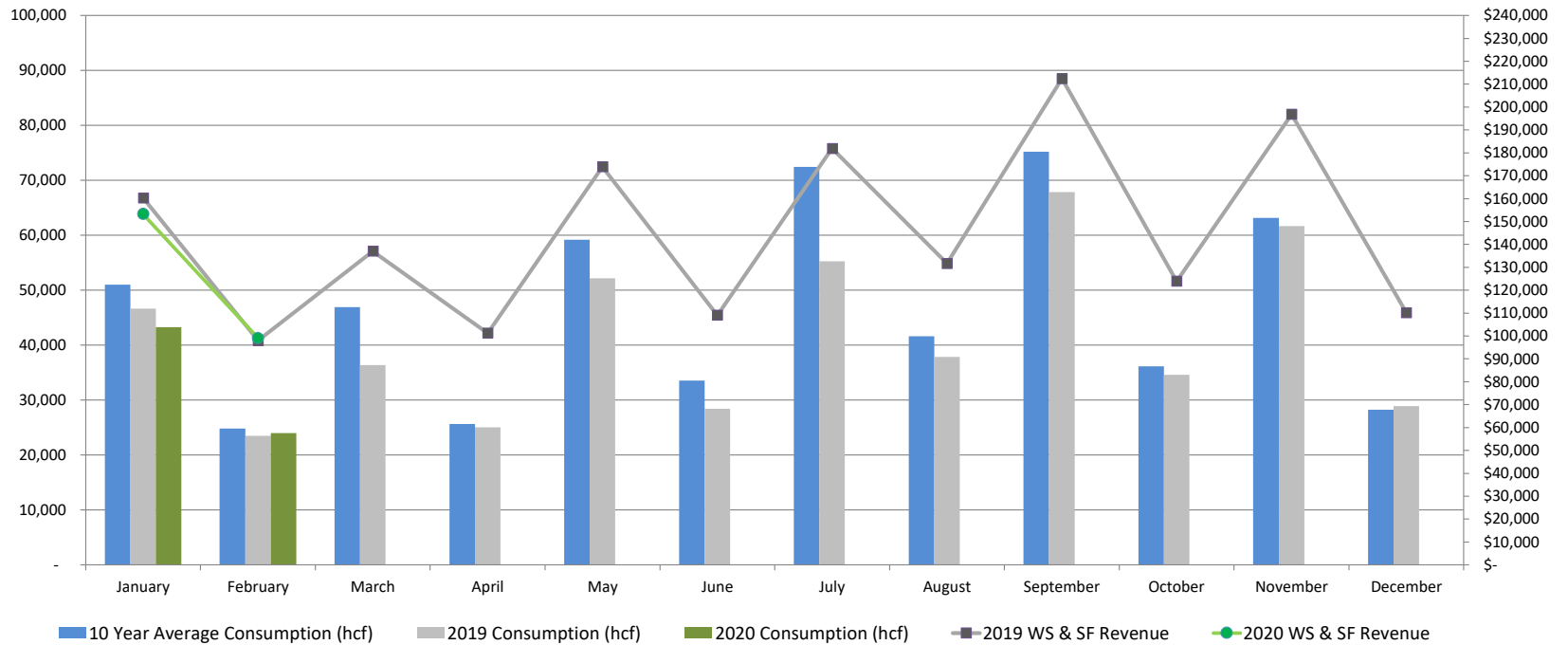
WATER SALES REPORT LPVCWD 2020

LPVCWD	January	February	March	April	May	June	July	August	September	October	November	December	YTD
No. of Customers	1,228	1,219	-	-	-	-	-	-	-	-	-	-	2,447
2020 Consumption (hcf)	27,032	49,681	-	-	-	-	-	-	-	-	-	-	76,713
2019 Consumption (hcf)	30,923	46,152	24,105	51,751	37,307	61,263	40,622	82,473	47,666	73,372	42,125	59,523	597,282
10 Year Average Consumption (hcf)	\$ 35,783	\$ 54,919	\$ 30,166	\$ 60,322	\$ 40,220	\$ 74,185	\$ 48,845	\$ 88,505	\$ 50,244	\$ 81,287	\$ 41,839	\$ 61,701	\$ 668,015
2020 Water Sales	\$ 60,668	\$ 115,912	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 176,580
2019 Water Sales	\$ 65,872	\$ 99,793	\$ 49,373	\$ 112,591	\$ 81,601	\$ 135,597	\$ 90,296	\$ 187,941	\$ 108,273	\$ 164,349	\$ 93,779	\$ 140,375	\$ 1,329,838
2020 Service Fees	\$ 54,774	\$ 64,568	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 119,342
2019 Service Fees	\$ 49,766	\$ 58,668	\$ 49,865	\$ 59,032	\$ 50,396	\$ 59,065	\$ 50,376	\$ 60,011	\$ 50,936	\$ 60,127	\$ 50,962	\$ 64,547	\$ 663,752
2020 Hyd Fees	\$ 950	\$ 700	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,650
2020 DC Fees	\$ 246	\$ 8,766	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,012
2020 System Revenue	\$ 116,638	\$ 189,945	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 306,583



WATER SALES REPORT CIWS 2020

CIWS	January	February	March	April	May	June	July	August	September	October	November	December	YTD
No. of Customers	963	894	-	-	-	-	-	-	-	-	-	-	1,857
2020 Consumption (hcf)	43,254	24,004	-	-	-	-	-	-	-	-	-	-	67,258
2019 Consumption (hcf)	46,656	23,510	36,382	25,014	52,169	28,423	55,251	37,850	67,871	34,623	61,667	28,932	498,348
10 Year Average Consumption (hcf)	50,985	24,808	46,902	25,636	59,207	33,535	72,455	41,624	75,220	36,162	63,167	28,266	557,964
2020 Water Sales	\$ 96,852	\$ 52,599	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 149,452
2019 Water Sales	\$ 104,539	\$ 51,588	\$ 80,950	\$ 54,785	\$ 117,646	\$ 62,656	\$ 125,539	\$ 85,198	\$ 156,165	\$ 77,314	\$ 140,661	\$ 63,795	\$ 1,120,834
2020 Service Fees	\$ 56,384	\$ 46,449	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 102,832
2019 Service Fees	\$ 55,744	\$ 46,354	\$ 56,091	\$ 46,445	\$ 56,273	\$ 46,411	\$ 56,356	\$ 46,484	\$ 56,247	\$ 46,569	\$ 56,153	\$ 46,373	\$ 615,502
2020 Hyd Fees	\$ 1,550	\$ 250	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,800
2020 DC Fees	\$ 11,689	\$ 3,695	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,384
2020 System Revenues	\$ 166,475	\$ 102,993	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 269,468



STAFF REPORT



Meeting Date: March 9, 2020

To: Honorable Board of Directors

Subject: Consideration of Revised Proposal from Civiltec Engineering for Construction Support Services for the District's Recycled Water System Project

Purpose - *To secure services from Civiltec Engineering for Construction Support Services for the District's Recycled Water System Project.*

Recommendation - *Authorize the General Manger to proceed with the work as proposed by Civiltec Engineering for an amount not to exceed \$150,000.*

Fiscal Impact - *The District's proposed 2020 Capital Improvement Budget appropriates \$1,880,000. The cost for the proposed Construction Support Services along with the anticipated construction cost will exceed the Budget appropriation for this project and will require an amendment to the District's 2020 Capital Budget.*

Summary

At the February 10, 2020 Board of Directors meeting, the Board approved work proposed by Civiltec Engineering to provide engineering support during construction of the Recycled Water System Project for a not to exceed amount of \$69,000. This proposal included work by an environmental engineering firm working as a sub-consultant to Civiltec to provide monitoring and reporting for biological and cultural resources during construction activities in accordance with the CEQA Mitigated Negative Declaration prepared for the Upper San Gabriel Valley Municipal Water District Recycled Water Program Expansion Project dated June 25, 2015. The proposed scope of work was based on a preliminary interpretation of mitigation measures. However, as additional project related information was reviewed by this firm the scope and services to be provided required adjustment. District staff was made aware of the additional work required to carry-out the mitigation measures and requested a revised proposal from Civiltec, which is enclosed for your consideration. A summary of the work related to the environmental mitigation measures is as follows:

- Nesting survey by a qualified biologist
- Assessment of potential buried cultural resources by a qualified archeologist
- Attendance to a pre-construction meeting by a qualified archeologist, Native American Monitor and qualified paleontologist
- Monitoring of ground disturbing activities for potential cultural resources by a qualified archeologist and Native American Monitor
- Preparation of a Paleontological Resource Monitoring Plan and monitoring of ground disturbing activities for potential fossil resources by a qualified paleontologist

At the upcoming Board meeting the Senior Project Engineer from Civiltec, David Song, PE, will provide an overview of the required mitigation measures.

Fiscal Impact

The District's proposed 2020 Capital Improvement Budget appropriates \$1,880,000. The cost for the proposed Construction Support Services along with the anticipated construction cost will exceed the Budget appropriation for this project and will require an amendment to the District's 2020 Capital Budget.

Recommendation

Staff recommends the Board authorize the General Manger to proceed with the work as proposed by Civiltec Engineering for an amount not to exceed \$150,000.

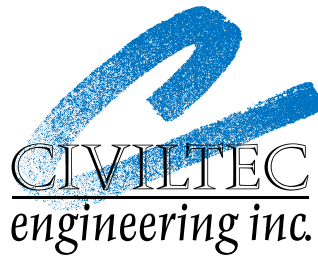
Respectfully Submitted,

Greg B. Galindo

General Manager

Enclosure

- *Civiltec's Revised Proposal for Recycled Water Project Construction Support*



Civil, Water, Wastewater, Drainage, Transportation and
Electrical/Controls Engineering • Construction Management • Surveying
California • Arizona

February 7, 2020

La Puente Valley County Water District
112 N. First Street
La Puente, CA 91744

Sent Via Email: ggalindo@lapuentewater.com

ATTN: Mr. Greg Galindo | General Manager

RE: Revised Proposal for Recycled Water Project – Phase 1 Construction Support

Dear Mr. Galindo:

Civiltec Engineering, Inc. (Civiltec) appreciates the opportunity to submit this proposal to La Puente Valley County Water District (LPVCWD) for professional engineering support services for the above referenced project. We understand this project is for construction support services required for LPVCWD's Recycled Water Project. The project will consist of installing recycled PVC water mains on Don Julian Road and Parriott Place, recycled steel main across a bridge over San Jose Creek and a packaged pump station. **Civiltec** will perform all services directly from our Monrovia office.

AUTHORIZED RESPONSIBLE ENGINEERS

Civiltec proposes to assign Mr. David Song, PE, as company representative. He will be responsible for the firm's timely response and quality completion of this project. Mr. Song will be the principal with complete authority to handle all contractual matters, commit **Civiltec's** resources as necessary and take all action necessary to meet your requests.

SCOPE OF SERVICES

Based on our project understanding and professional experience, we have identified the following scope of services.

Construction Support Services

Task 1 – Project Management, Coordination and Meetings

Civiltec will provide overall project management for the anticipated duration of the project construction. We will coordinate with LPVCWD during the construction phase of the project via e-mail and phone correspondence. We assume **Civiltec** will be requested to attend the following construction meetings (each up to four hours including travel):

- Four (4) months of project management.
- Project coordination
- Attend a pre-construction meeting with La Puente VCWD and Contractor
- Up to a maximum of two (2) miscellaneous progress/field meetings or site visits



Task 2 – Shop Drawing Review

Civiltec will review shop drawing submittals for completeness and conformity. We assume a maximum of ten (10) shop drawings, and that half will require a second review. The review does not relieve the Contractor from specification or contractual requirements. Submittals will be reviewed and returned within 10 working days after *Civiltec* has received the submittal.

Task 3 – Requests for Information (RFIs)

Our team will review RFIs and prepare responses to LPVCWD. We assume a maximum of three (3) RFIs will be required. The Contractor will submit all RFIs in writing to LPVCWD

Task 4 – Change Order Assistance

We will review and analyze change order requests to determine their merit relative to the Contract Documents and design intent. These reviews will be performed on request by LPVCWD. It is assumed that there will be a maximum of two (2) change orders. *Civiltec's* change order request reviews and analyses will include the review of scope and pricing information submitted by the Contractor and/or LPVCWD.

Task 5 – Start-up Assistance

Civiltec will provide engineering support and troubleshooting during startup and will review the Contractor's pump startup and testing.

Task 6 – Environmental Mitigation and Monitoring Reporting Program (MMRP)

Civiltec will team with Meridian Consultants to provide monitoring and reporting for biological and cultural resources during construction activities in accordance with the CEQA Mitigated Negative Declaration prepared for the Upper San Gabriel Valley Municipal Water District Recycled Water Program Expansion Project dated June 25, 2015. Services include the following tasks:

- Nesting survey by a qualified biologist (BIO-2)
- Assessment of potential buried cultural resources by a qualified archeologist (CUL-1)
- Attendance to a pre-construction meeting by a qualified archeologist, Native American Monitor and qualified paleontologist (CUL-2)
- Monitoring of ground disturbing activities for potential cultural resources by a qualified archeologist and Native American Monitor (CUL-3 & 4)
- Preparation of a Paleontological Resource Monitoring Plan and monitoring of ground disturbing activities for potential fossil resources by a qualified paleontologist (CUL-5)

Performance of these tasks will render the project compliant with CEQA and the MMRP identified in the Mitigated Negative Declaration document.



FEE DISTRIBUTION SCHEDULE

Professional fees for the above-described services will be billed on a time and materials, not to exceed basis as summarized below. A breakdown of our hours and fees is included as Attachment A.

Task 1: Project Management, Coordination and Meetings	\$6,000.00
Task 2: Shop Drawing Review	\$4,470.00
Task 3: Requests for Information (RFI).....	\$1,670.00
Task 4: Change Order Assistance	\$2,870.00
Task 5: Start-up Assistance.....	\$2,870.00
Task 6: Environmental MMRP.....	\$131,480.80
Total.....	\$149,360.80

If this proposal is acceptable, please return a signed copy to our office. Again, thank you for the opportunity to submit this proposal. We look forward to working with you on this exciting project. Please contact the undersigned directly with any comments or questions.

Sincerely,

CIVILTEC ENGINEERING, INC.

A handwritten signature in blue ink, appearing to read 'David Song', is written over a horizontal line.

David Song, PE
Principal, Senior Project Manager

Attachment(s): A – Breakdown of Hours and Fees

Proposal Acceptance:

The Terms and Conditions of this proposal are:

Accepted this _____ day of _____ 2020.

By Authorized Client Representative:

Greg Galindo

Title

**Recycled Water Project - Phase 1 Construction Support
 La Puente Valley Water District
 Time and Fee Estimate**

Date: March 2, 2020

	HOURS BY PIC	HOURS BY SrPM	Meridian Consultants (x1.10)	TOTAL COST
Scope of Work	\$ 235.00	\$ 200.00		
Construction Support Services				\$ 149,360.80
Task 1 - Project Management, Coordination and Meetings		30		\$ 6,000.00
Task 2 - Shop Drawing Review	2	20		\$ 4,470.00
Task 3 - Requests for Information (RFI)	2	6		\$ 1,670.00
Task 4 - Change Order Assistance	2	12		\$ 2,870.00
Task 5 - Start-up Assistance	2	12		\$ 2,870.00
Task 6 - Environmental MMRP			\$ 131,480.80	\$ 131,480.80
HOURS	8	80		88
BUDGET	\$ 1,880.00	\$ 16,000.00	\$ 131,480.80	\$ 149,360.80

PIC = Principal Engineer

SrPM = Sr. Project Manager

STAFF REPORT



Meeting Date: March 9, 2020

To: Honorable Board of Directors

Subject: Consideration of Proposal from Variable Speed Solutions, Inc. for the Purchase of a Packaged Pump Station for the District's Recycled Water Project

Purpose - *To purchase a packaged pump station for the District's Recycled Water Project.*

Recommendation - *Authorize the General Manger to purchase the packaged pump system from Variable Speed Solutions, Inc. for a not to exceed amount of \$196,000 and amend the District 2020 Capital Budget for its Recycled Water Project from 1,880,00 to \$2,225,000.*

Fiscal Impact - *The District's proposed 2020 Capital Improvement Budget appropriates \$1,880,000 for the construction of the District Recycled Water System. The cost for the purchase of the packed pump system along with the construction and construction support costs will exceed the Budget appropriation for this project and will require an amendment to the District's 2020 Capital Budget.*

Summary

The District's Recycled Water System Project will serve approximately 55 acre feet of recycled water to approximately 12 irrigation services. The source of the recycled water is Los Angeles County Sanitation District's San Jose Reclamation Facility. Tertiary treated water from this plant will be distributed through the City of Industry's recycled water transmission line that connects the reclamation plant's effluent to the City of Industry's recycled water reservoirs located near the intersection of Arenth Avenue and Anaheim/Puente Road in the City of Industry. The District's Recycled Water System Project includes a connection to this transmission line on the south side San Jose Creek at Parriott Place. In order to meet the pressure requirements of the customers that will be served, water from the recycled water transmission line will need pumped into the District's recycled water system via a packed pump station. The design and specifications of the pump station were prepared by Tetra Tech under the direction of District staff. The design is unique, due to the proposed location of the pump station, the limited footprint and the variable flow requirements of the new recycled water system. Utilizing this design, District staff solicited a proposal from the vendor who could provide the pump station as specified. The proposal from Variable Speed Solutions, Inc. for the packaged pump station is enclosed for your consideration.

It is District staff's understanding that Variable Speed Solutions, Inc. is only one local vendor who the District can acquire the specified packaged pump system from. Due to the lack of vendors that can provide this type of pump station or an equivalent, District staff recommended to purchase the

pump station directly to avoid the contractor mark-up on the packaged pump station. The proposed cost for this direct purchase with tax and delivery charge is \$196,000, which is higher than staff had originally projected. As we present this proposal, staff would also like to provide an updated project budget to the Board for discussion at the upcoming Board meeting. The updated budget is provided below:

Item	Description	District Cost	Note
1	CEQA Initial Study/ Mitigated Negative Declaration	\$ -	Completed by USGVMWD (via grant)
2	Engineering Design	\$ -	Paid for by USGVMWD (via grant)
3	W.A. Rasic Construction Contract Amount	\$ 1,598,480	Under contract and construction to commence in the next couple of weeks
4	Construction Contingency	\$ 160,000	10% of contracted amount as contingency for field changes (change orders)
5	Packaged Pump Station	\$ 196,000	To be approved by Board at 3/9/2020 Board meeting
6	Construction Management Support and Environmental Mitigation Measures	\$ 150,000	Civiltec proposal
7	Electrical Service (SCE fees)	\$ 45,000	SCE cost for engineering and crews for installation
8	District Labor	\$ 50,000	District inspection and construction support
9	Other (permits, etc.)	\$ 25,000	Required permits and other unforeseen costs

Proposed New Budget	\$ 2,224,480
2020 Budgeted Amount	\$ 1,880,000
Difference	\$ 344,480

Fiscal Impact

The District's proposed 2020 Capital Improvement Budget appropriates \$1,880,000 for the construction of the District Recycled Water System. The cost for the purchase of the packed pump system along with the construction and construction support costs will exceed the Budget appropriation for this project and will require an amendment to the District's 2020 Capital Budget.

Recommendation

Staff recommends the Board authorize the General Manger to purchase the packaged pump system from Variable Speed Solutions, Inc. for a not to exceed amount of \$196,000 and amend the District 2020 Capital Budget for its Recycled Water Project from 1,880,00 to \$2,225,000.

Respectfully Submitted,

Greg B. Galindo

General Manager

Enclosure

- *Proposal from Variable Speed Solutions, Inc. for the Purchase of a Packaged Pump Station*



16182 Gothard Street Unit I
Huntington Beach Ca.92647

Tel: 714-847-5957
Fax: 714-847-5958

PROPOSAL
Variable Speed Pump Station

Date: February 24, 2020

La Puente Valley County Water District
112 N. 1st Street
La Puente, CA. 91744

Project Name: La Puente- Booster
Quotation Number: VSS-20-0783REV 1
Quoted by Brian Pavloff

Requirements: 400 GPM at 69 PSI at station discharge

Supply Power: 460/3/60

Inlet Pressure: 30PSI Unconfirmed

PROPOSAL SCOPE

- 1 Ea. MCI Model PPS UL Listed QCZJ Packaged Pump Station
Part Number PPS-P-VMS3-400-69-DV-P-46-3-6

UL Listed pump Station complete with pump skid/building, sch40 steel manifolds, isolation valves, vertical multistage pumps/motors with integrated VFDs, check valves and discharge flow meter. Standard APC controls. Built under ISO9001:2008 certification.

MPC Standard Controls

- UL 508a Listed Control Panel
- Short Circuit Current Rating 100 ka
- NEMA 3R Enclosure w/3 Point Latch
- UL Listed Panel heat exchanger
- 60 amp Main Fused Disconnect
- Type 1 Surge Protection w/status indicators
- Arc Flash Prevention fuse covers for safety
- Incoming Line Phase Monitor w/primary fusing
- Qty. (1) 1.5 HP and qty. (2) 15 HP Danfoss Aqua Drive w/high speed DFJ fuse protection
 - 3 ½% DC Input Link Reactor
 - Qty. (3) DTW **6 Year Warranty on Danfoss VFD** which includes coverage against damages from momentary line or load anomalies such as lightning strikes.

16182 Gothard #I Huntington Beach Ca. 92647 / Office 714-847-5957, Fax 714-847-5958
Packaged Pumping Specialists

CA Lic# 665995

Initial: _____



16182 Gothard Street Unit I
Huntington Beach Ca.92647

Tel: 714-847-5957
Fax: 714-847-5958

- Door Mounted VFD Keypad for operation status and testing.
- Class J fuses/block per contactor
- AB Interlocked Contactors w/1 AB SS OL per motor
- AB control Logix PLC Platform
- **AB 10" Panel view touch screen +6 Color HMI**
 - Complete station documentation, schematics, pump build ups, and misc. information loaded for future service reference.
- AB 5 Port Ethernet Switches
- AB DC Power Supply
- AB full size 30 mm N4 Door Devices
 - Green Illuminated Switch per pump
 - System Switches: System Control, Low Discharge, VSD Bypass, PLC Bypass, Speed Pot and Red Illuminated Fault Push Button
- AB Compact Logix PLC platform
- All Pumps are capable of manual VFD operation directly from door switches and speed pot for system testing and maintenance.
- GFCI Outlet
- Control Power Transformer w/primary/secondary fusing
- Flow Signal Input: 4-20mA for Magnetic flow meter
- Safeties:
 - Low level shutdown
 - Low discharge pressure shutdown
 - High discharge pressure shutdown w/auto restart
 - VSD fault with auto restart
 - Solid State Overload shutdown per motor
 - Phase Failure, Imbalance and low voltage protection
- Operation Features
 - Lamp Test Function
 - Automatic alternation of pumps based on least run time
 - Intelligent Slow Ramp feature for automatic line fill
 - VFD Bypass operation with complete tuning capability including pressure and flow optimization to allow operation without using relief valve.
- 10" Color Touch screen interface
 - 3 Year Flow Total Logging Year/Month/Day
 - Pump Run Times
 - Event Log
 - Flow and Station Trending
 - Assignable I/O
 - Email/text notification of all alarms. User programmable.
 - Complete station documentation, schematics, pump build ups, and misc. information loaded for future service reference.
- **nAlert**
 - **Manage maintenance due dates for all aspects of maintenance on your pumping station.**



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Huntington Beach Ca.92647

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Fax: 714-847-5958

- **Warning light, display message and email alert when due.**
- **nSite, MCI's Cloud Based Solution NO SUBSCRIPTION FEE**
 - **Scheduled monthly email with flow report in Excel format**
 - **Access to one full year of pressure, flow, alarms and event data**

Instrumentation

- Turck pressure transducers with local indication LED display, suction and discharge
- 4" Siemens 5100W Magnetic Flowmeter with local display, flanged connections, ebonite liner and an accuracy of .04% of indicated value
- Wika 4" Pressure Gauges w/isolation ball valve – 30"-0-30psi on suction manifold and 0-160psi for discharge of each pump

Pumps

- 2 Ea. 15 HP Grundfos CRE45-2 Pumps, each rated for 195gpm @ 178'TDH including station losses. To include;
 - 304SS Impellers
 - Cast Iron Casing
 - Stainless Steel Shafting
 - Mechanical Seal
 - 15hp, 3600rpm, 460/3/60, TEFC, Premium efficient, vertical Shaft Motors with motor space heaters.
 - Grundfos 15hp Integrated Variable frequency drive per pump
- 1 Ea. 1.5 HP Grundfos CRE3-9 Pump rated for 10gpm @ 178'TDH including station losses. To include;
 - 304SS Impellers
 - Cast Iron Casing
 - Stainless Steel Shafting
 - Mechanical Seal
 - 1.5hp, 3600rpm, 460/3/60, TEFC, Premium efficient, vertical Shaft Motor with motor space heaters.
 - Grundfos 1.5hp Integrated Variable frequency drive

Valves

- 3" Main pumps NSF61 lug butterfly isolation valves with lever actuator, 316SS disc and EPDM elastomers.
- 3" Main Pump NSF61 silent wafer check valves coated with fusion bonded epoxy and SS disc.
- **Jockey pump 1.5" 316SS threaded isolation ball valves**
- **Jockey pump 1.5" 316SS threaded inline check valve**
- 6" Station suction NSF61 lug butterfly isolation valve with lever actuator, 316SS disc and EPDM elastomers
- 6" Station Discharge NSF61 lug butterfly isolation valve with lever actuator, 316SS disc and EPDM elastomers



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- 2" Claval 50-01 pressure relief valve with ductile iron body and std trim/piloting – piped from discharge manifold to suction manifold
- 2" Pressure relief valve NSF61 lug butterfly isolation valves with lever actuator, 316SS disc and EPDM elastomers
- Individual pump Valmatic 15A ½" air relief valves
- Suction manifold Valmatic 15A air relief valve
- 316SS instrumentation isolation single piece ball valves

Skid

- Channel skid system
- Steel Grit blasting to SSPC-10 of station structural steel.
- PPG Enviracryl Zinc epoxy powder coat Primer
- Poly Powder coated non-skid paint system

Piping

- Sch40 Station piping
- 6" Station suction manifold
- 6" Station discharge manifold
- 4" x 6" Station flowmeter spool
- Hose Bibb connection
- Steel Grit blasting to SSPC-10 of station piping.
- NSF61 fusion bonded Epoxy powder coating of all piping 2" and above internal and externally.
- Piping 2" and below to be 304SS.
- Hose Bibb connection
- Individual main pump Proco flex coupling adapters for vibration and noise isolation and elimination.
- Jockey pump 304SS union

Station Building

- Station pre-wired insulated Fiberglass building
- Fiberglass reinforced polyester skins with one-inch isocyanate foam insulating core.
- White UV protective polyester gelcoat outside and inside.
- 60-amp, main lug, 8-branch circuit breaker panel in a NEMA 3R plastic enclosure.
- Pre-wired using 12 ga. Wiring in U.L. listed non-metallic flexible conduit.
- Two duplex outlets
- Interior vapor-resistant incandescent lamp.
- Corrosion resistant fan (exhaust) with screened fiberglass hood.
- Fixed aluminum ventilation louver.
- External weatherproof separate switch for fan and lamp.
- Stainless steel lockset, stainless steel piano hinge, door gasket.
- Cadmium plated lifting eye(s).
- Spring cushioned crash stop on door.
- Fiberglass awning over doorway.



16182 Gothard Street Unit I
Huntington Beach Ca.92647

Tel: 714-847-5957
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- Equipment mounting board laminated to interior wall.
- 5Kva Control Transformer
- 100amp NEMA 3R exterior mounted service entrance rated disconnect

➤ **Supervision Services for Station Set and Start Up**

- Provide supervision of rigging of new MCI pump station on to existing pad. **Crane and install EXCLUDED**
- Provide MCI certified start-up services to ensure proper operation and calibration of new pump system.
- Complete end user operation and maintenance training per MCI guidelines. To be completed on same day as start up.

Total Equipment Cost: **\$170,947.00** Int. _____
Above price excludes all equipment tax and freight

FACTORY START UP COST: **\$5,000.00** Int. _____

FOB: Dallas Texas Estimated Freight to job site: \$6,500.00

**Estimated Lead Time: 2-3 weeks for drawings
12-14 weeks following approved drawings**

Additional MCI Warranty items

- **6-year warranty of VFDs**
- **1-year warranty on Station**

THIS SCOPE INCLUDES LABOR FOR 1 YEAR WARRANTY EXCLUDES CRANE IF REQUIRED

TERMS AND CONDITIONS OF SALE

All sales by and purchases from Variable Speed Solutions Inc., (Seller) are governed by the following terms and conditions:

- 1. All purchases and credits occurring after the closing date of a month will appear on the periodic statement for the next month. Payment shall be made to the Seller in U.S. currency at its offices in Huntington Beach, Orange County, California.**
- 2. Orders regularly entered, whether verbal or written, can only be cancelled in writing by the Buyer upon terms that will compensate the Seller against loss for actual costs incurred to date.**



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Huntington Beach Ca.92647

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Any additional paperwork furnished at the Buyer's request, such as sketches, drawings and specification sheets will be charged at Seller's cost.

3. Any claim for defects, damages or shortages of an order delivered must be made by the Buyer in writing and delivered to Seller within a period of ten (10) days after delivery. Failure to make such claim within the specified time constitutes an acceptance and admission that the order fully complies with the terms, conditions and specifications required. The Seller's liability shall be limited to the stated selling price of any defective goods and shall in no event include special or consequential damages, including profits (or profits lost).
4. The Buyer bears the risk of loss of or damage to or destruction of the goods from the time of delivery. The Seller retains title to the goods until the Buyer pays the entire purchase price as specified plus any interest thereon. If requested by Seller, Buyer shall execute a security agreement and financing statement evidencing Seller's security interest in the goods delivered to Buyer
5. If the credit of Buyer in the judgment of the Seller becomes impaired at any time, the Seller has the right to require payment in advance before making further shipments, and to demand immediate performance of the Buyer of all obligations imposed upon him by this agreement.
6. If there is any breach of or default under this agreement and if the same is placed in the hands of an attorney for collection, or if collected by lawsuit or through the probate or bankruptcy court, or if any action of foreclosure be had hereunder, Buyer shall be liable for reasonable attorney's fees incurred by the Seller. In the event of default by Buyer, Seller may immediately proceed to enforce payment of Buyer's obligation and exercise all the rights and remedies provided by the Business and Commerce Code of the State of California, or the Uniform Commercial Code, as well as any other rights and remedies afforded to Seller by law. Should Buyer be in default, Seller may require Buyer to return all goods previously delivered to Buyer by Seller, and any subsequent expenses for retaking, holding, preparing for sale, and reselling of such goods shall be at Buyer's expense. Funds realized from such resale shall be credited to Buyer's unpaid account.
7. The Seller, or any credit bureau or investigating agency employed by the Seller, is hereby authorized to investigate the references herein listed or statements or other data obtained from the Buyer or from any other persons pertaining to the Buyer's credit or financial responsibility. The Buyer has read and understands the foregoing terms and conditions of this application for credit and has signed the same as an indication of intent to enter into an agreement with Seller for the future purchase of goods and services from time to time. The Buyer also understands that upon acceptance of this application by the Seller, this document constitutes an agreement between the Buyer and the Seller for payment of debts owed to the Seller in return for the delivery of goods ordered or performance of services requested by Buyer.
8. The terms herein contained shall be governed by the statutes of the State of California and specifically the Business and Commerce Code of the State of California and the Uniform



16182 Gothard Street Unit I
Huntington Beach Ca.92647

Tel: 714-847-5957
Fax: 714-847-5958

Commercial Code. In the event that any account owing by Buyer to Seller becomes delinquent, and legal proceedings are instituted for collection of said account or indebtedness, such legal proceedings may be instituted and prosecuted against Buyer and its guarantors, if any, in any Court in Orange County, California, and the undersigned expressly agrees that venue for such proceeding shall be in Orange County, CA, even if the principal offices of the Buyer are located in another county within this state or outside of this state.

9. SELLER DISCLAIMS ANY WARRANTIES, EXPRESS OR IMPLIED, REGARDING THE MERCHANTABILITY OF THE GOODS DELIVERED TO BUYER NOR THE FITNESS OF SUCH GOODS FOR A PARTICULAR USE UNLESS A WRITTEN WARRANTY IS GIVEN TO BUYER BY SELLER AT TIME OF DELIVERY.

10. The terms contained herein may be modified only by written agreement signed by Buyer and an officer of Seller, VARIABLE SPEED SOLUTIONS INC

PAYMENT TERMS: All Purchase Orders are subject to acceptance at factory in Dallas, Texas. Receipt of production deposit, verification of acceptable credit, and confirmation of order are required before production. 50% production deposit required upon order, 40 % to be invoiced prior to delivery and remaining 10% retention to be billed upon satisfactory completion of startup net 30 not to exceed 120 days from delivery.

Sincerely,

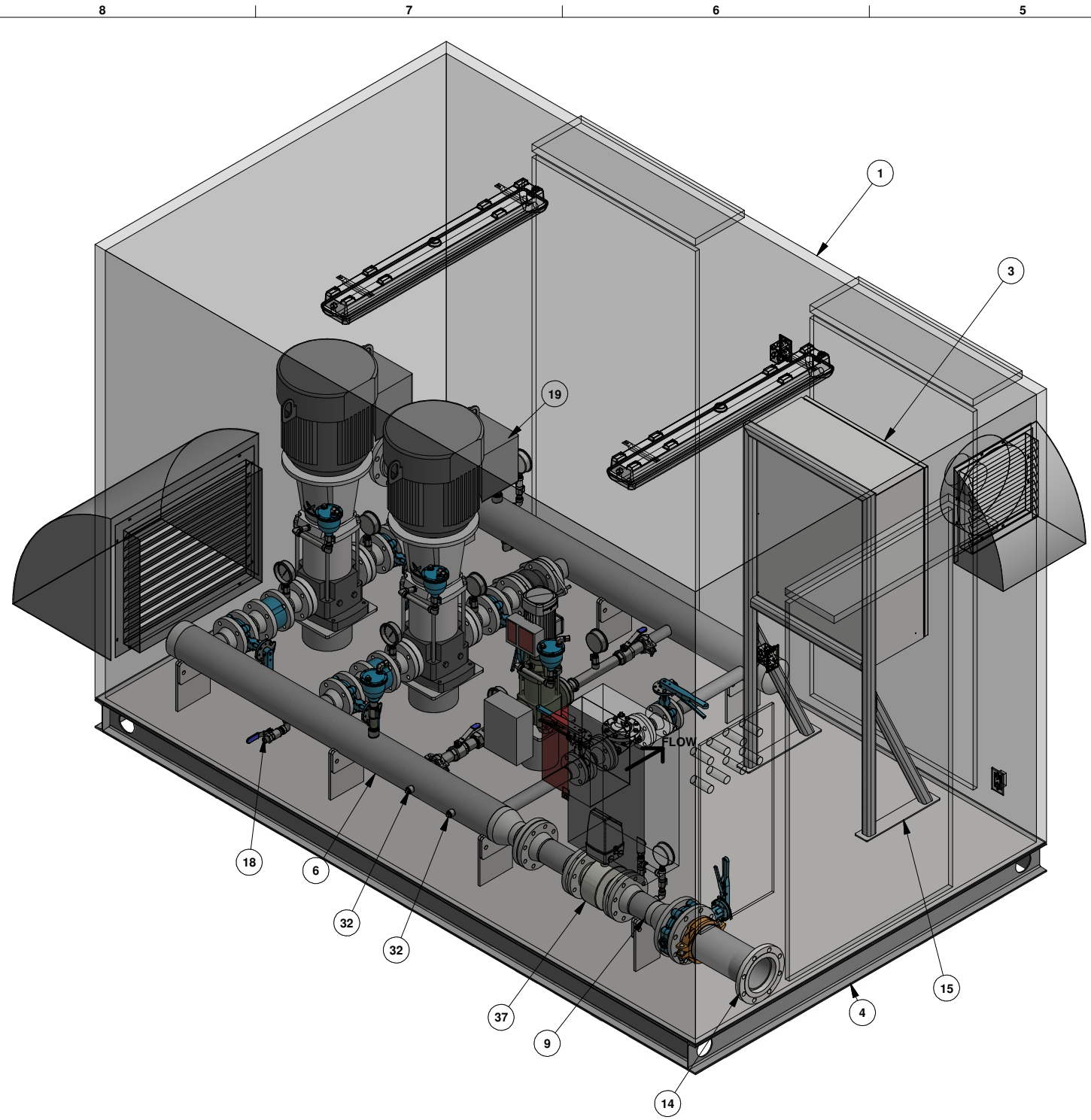
Brian Pavloff

Brian Pavloff
President

Accepted:

Signature

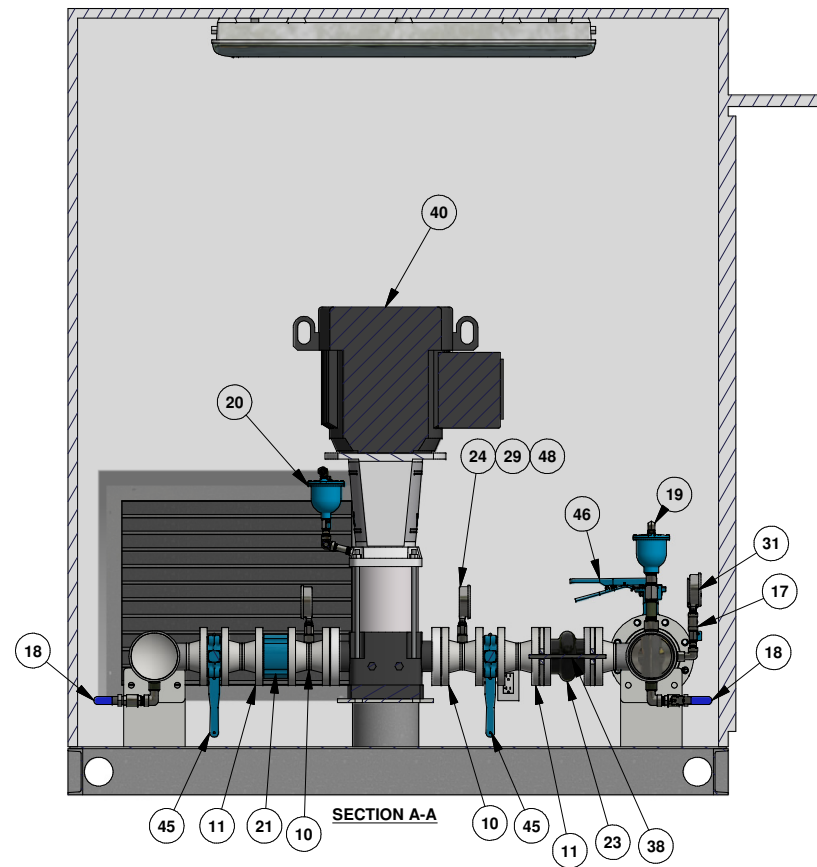
Date



- NOTES:**
1. THIS AREA TO REMAIN CLEAR OF ALL OBSTRUCTIONS, CONDUIT, ETC... REQUIRED BY NATIONAL ELECTRIC CODE.
 2. DISCHARGE PIPING CONNECTIONS MUST BE RESTRAINED BY OTHERS.
 3. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.
 4. ALL SADDLES TO BE DETACHABLE.
 5. PIPE TO COPE ONTO HEADERS WITH NO INTRUSIONS. PIPE SEAMS ARE TO BE DOWN.
 6. ALL FLANGES SHALL BE TWO HOLED MOUNTED. BOLT HOLES SHALL STRADDLE CENTER LINE.
 7. ALL WELDS ON MANIFOLDS SHALL BE PRESSURE TIGHT AND LEAK PROOF.
 8. FINISH: MANIFOLDS AND SPOOLS TO GET POWDER COAT ZINC EPOXY PRIMER; PCM70140 POWDER COAT FUSION BOND BLUE; ELSF20191 SKID TO GET POWDER COAT ZINC EPOXY PRIMER; PCM70140 POWDER COAT ANTI-SKID BLUE; 49/40858.
 9. ALL FUSION BONDED PIPE TO HAVE HOLIDAY TEST.

Table	
STATION MODEL#:	PPS-VMS3-400-69-DV-P-46-3-6
TO PRODUCE:	400GPM @ 69 PSI
HP:	(2) 15HP (1) 1.5HP
MAIN DISCONNECT:	60 AMP
POWER REQUIREMENTS:	460/3/60
EXHAUST FAN REQUIREMENTS:	504 CFM
TOTAL SHIP WT (APPROX) :	-
TOTAL LIFT WT (APPROX) :	-

Parts List				
ITEM	DESCRIPTION	PART NUMBER	REV	QTY
1	JACOB FIBERGLASS BLDG.			1
2	CHECK VALVE, 1 1/2", 316 SS	4033S6VFD	-	1
3	SW363012C	01-3022-001	A	1
4	SKID	21-0812-S01		1
5	MANIFOLD, 6" SUCTION	21-0812-S02A		1
6	MANIFOLD, 6" DISCHARGE	21-0812-S03A		1
7	SPOOL, DSR, 2"	21-0812-S04		2
8	SPOOL, 4" DISCHARGE	21-0812-S05		1
9	SPOOL, FM, 6X4	21-0812-S08		1
10	SPOOL, 3"FLGD.	21-0812-S10		4
11	SPOOL, 3"FLGD.	21-0812-S10A		4
12	SPOOL, PRESSURE GA.	21-0812-S11		1
13	SPOOL, PREUSSURE GA.	21-0812-S12		1
14	SPOOL, DISCHARGE, 6"	21-0812-S14		1
15	PANEL RACK	21-0812-S15		1
16	SPOOL, DISCHARGE, 6"	21-0812-S17		1
17	PRESS. GA./ PRESS. XDUCER ASSY-90 DEG, 316 SS	24-0001-007	B	2
18	HOSE BIBB ASSY, 3/4"	24-0012-001	-	2
19	AIR RELEASE VALVE ASSY, 1"	24-0017-S01	A	2
20	AIR RELEASE VALVE ASSY, .50"	24-0018-S01_MOD	A	3
21	CHECK VALVE, WAFER - 3", SS DISC VFD	2435VFD	-	2
22	RETAINING PLATE-3-150# FLEX CPLG	28-0091-001		4
23	FLEX COUPLING, 3" - MERCER EPDM, FLANGED	3451EE	-	2
24	BUSHING, REDUC - 1/2 MNPT X 1/4 FNPT, 316SS	4452K165	-	6
25	REDUCER-1.5X1.25 THD 316 SS PIPE	4452K274	-	2
26	NIPPLE, 1 1/4" NPT - CLOSE, 304 SS	4830K241	-	2
27	NIPPLE-1.5 X 4 304SS PIPE	4830K266	-	1
28	VALVE, PRESS REL - 2 " GLOBE, 20-200 PSI	50016720D	ANY	1
29	PRESS GAUGE, WIKA 4"-1/4" LM, 0-30"/30 PSI 213.53	52741691		2
30	PRESS GAUGE, WIKA 4"-1/4" LM, 0-160 PSI SS 213.53	52741699		2
31	PRESS GAUGE, WIKA 4"-1/4" LM, 0-200 PSI SS 213.53	52741700	-	4
32	PIPE PLUG, 1/2" - SQ HD, 304 SS	70398	-	3
33	COUPLER, 1.5" - GROOVE, RIGIDLOK	74011.5		2
34	COUPLER, 6" - GROOVE, RIGIDLOK	74016		2
35	FLANGE, GRV - 6" CS, RF 150	77886		2
36	FLANGE, THD, 1.25", #300, 304SS	7977K140		2
37	FLOW METER, MAG 5100 - 4"	7ME65803TJ142KA2		1
38	THREADED ROD, .1/2-13, 10"LG 316 SS	90575A325		4
39	PUMP, VMS, GRUNDFOS, 1.5HP, 3600RPM, 1.5"FLG. CON.	CR3-9		1
40	PUMP, VMS - 15HP 460/3/60, 3600 RPM	CR45-2	-	2
41	PIPE, 1.5"SCH 40, 304SS	22-0812-920		8.125 in
42	PRESS. XDUCER, TURCK - 145 PSI	PS010V-503-LI2UPN8X-H1141	-	1
43	PRESS. XDUCER, TURCK - 232 PSI	PS016R503LIUP8X	-	1
44	VALVE, LUG BFV - 2" LEVER, SS DISC	SC0160LSEL020	-	2
45	VALVE, LUG BFV - 3" LEVER, SS DISC	SC0160LSEL030	-	4
46	VALVE, LUG BFV - 6" LEVER, SS DISC	SC0160LSEL060	-	2
47	BALL VALVE, 1 1/2" - 1PC STD PORT, 316 SS	VBS01-150		2
48	BALL VALVE, 1/2" NPT - MINI, 316 SS	VBSM2050	-	6



1. ALL UNITS ARE SUPPLIED WITH HOSE & FITTINGS TO CONNECT FROM A 2" BULKHEAD TO THE INJECTION POINT ON THE IRRIGATION LINE
2. INCLUDES 2"SCH80 BULKHEAD EPDM GASKET & SCH40 U-VENT & MESH BUG SCREEN.

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TOLERANCES			
PIPE SIZE	ELEVATION	OFFSET FROM EDGE OF SKID	SETBACK FROM EDGE OF SKID
8" OR LESS	±.25	±.25	±.25
10" THRU 16"	±.38	±.38	±.38
OVER 16"	±.50	±.50	±.50
SKID FRAME HEIGHT	SKID LENGTH	SKID WIDTH	
6" OR LESS	±.25	±.25	
8" OR MORE	±.38	±.38	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES [MM DIMENSIONS ARE IN BRACKETS]

REMOVE ALL BURRS AND SHARP CORNERS

CUSTOMER	DRAWN BY	SHEET: 1 OF 17	PROJECT NO.#
VARIABLE SPEED SOLUTIONS	S RUFFIN	FILE NAME & PATH	21-0812-001
CUSTOMER P.O. No.	DATE	21-0812-001.idw	MCI JOB No.
-	8/6/2019		140931
END USER			UL LISTING
LA PUENTA VALLEY BPS			REVISION:
			QCZJ -

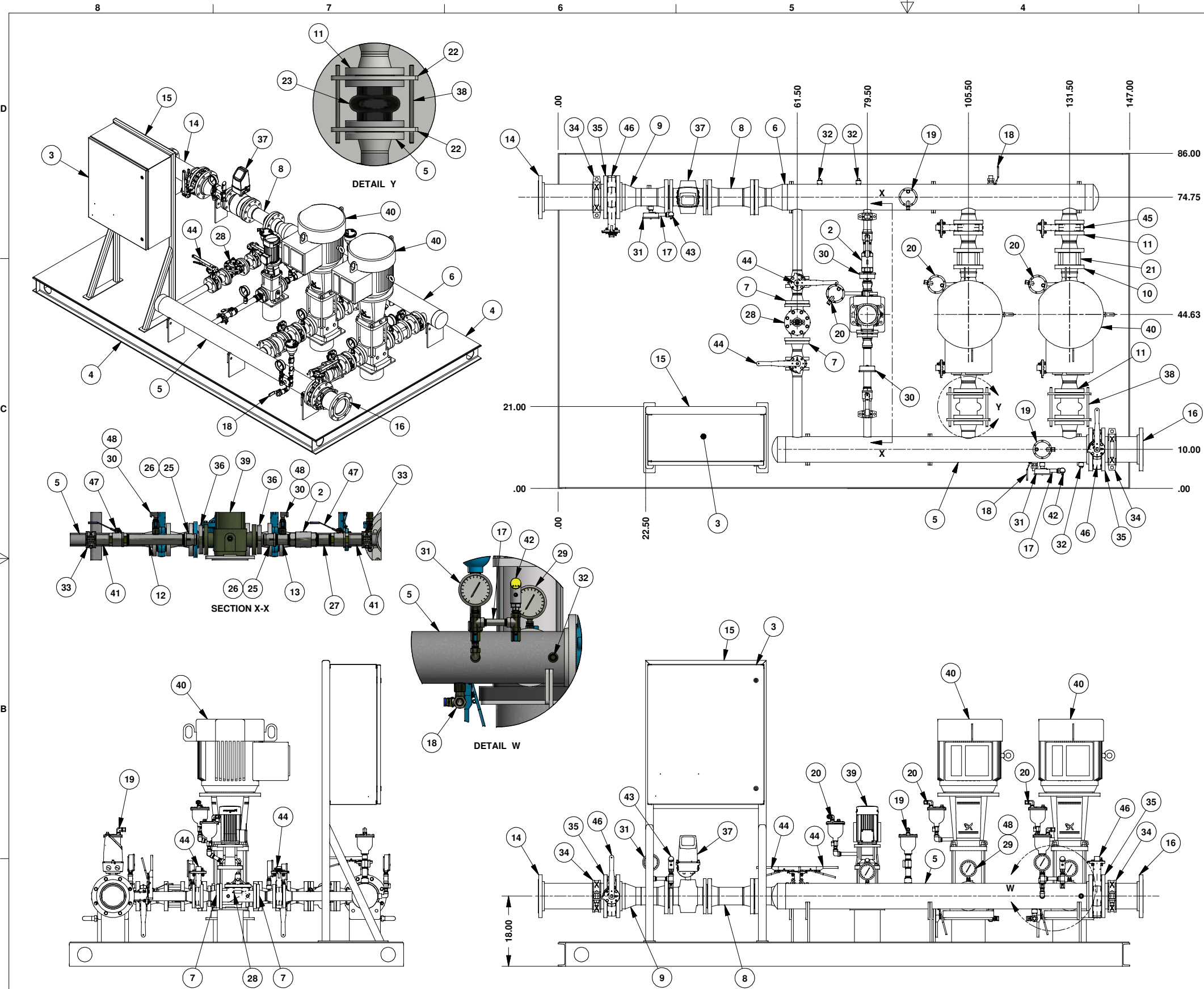
MCI
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QCZJ

MOTOR CONTROLS INC.
10661 NEWKIRK ST P.O. BOX 59986 DALLAS, TX 75220-2303
TEL: 972.247.4440 FAX: 972.247.8991 WATS: 800.735.1097
www.motorcontrols.com

VERTICAL MULTISTAGE PUMP STATION

21-0812-001



Parts List				
ITEM	DESCRIPTION	PART NUMBER	REV	QTY
1	JACOB FIBERGLASS BLDG.			1
2	CHECK VALVE, 1 1/2", 316 SS	4033S6VFD	-	1
3	SW363012C	01-3022-001	A	1
4	SKID	21-0812-S01		1
5	MANIFOLD, 6" SUCTION	21-0812-S02A		1
6	MANIFOLD, 6" DISCHARGE	21-0812-S03A		1
7	SPOOL, DSR, 2"	21-0812-S04		2
8	SPOOL, 4" DISCHARGE	21-0812-S05		1
9	SPOOL, FM, 6X4	21-0812-S08		1
10	SPOOL, 3" FLGD.	21-0812-S10		4
11	SPOOL, 3" FLGD.	21-0812-S10A		4
12	SPOOL, PRESSURE GA.	21-0812-S11		1
13	SPOOL, PREUSSURE GA.	21-0812-S12		1
14	SPOOL, DISCHARGE, 6"	21-0812-S14		1
15	PANEL RACK	21-0812-S15		1
16	SPOOL, DISCHARGE, 6"	21-0812-S17		1
17	PRESS. GA./ PRESS. XDUCER ASSY-90 DEG, 316 SS	24-0001-007	B	2
18	HOSE BIBB ASSY, 3/4"	24-0012-001	-	2
19	AIR RELEASE VALVE ASSY, 1"	24-0017-S01	A	2
20	AIR RELEASE VALVE ASSY, .50"	24-0018-S01_MOD	A	3
21	CHECK VALVE, WAFER - 3", SS DISC VFD	2435VFD	-	2
22	RETAINING PLATE-3-150# FLEX CPLG	28-0091-001		4
23	FLEX COUPLING, 3" - MERCER EPDM, FLANGED	3451EE	-	2
24	BUSHING, REDUC - 1/2 MNPT X 1/4 FNPT, 316SS	4452K165	-	6
25	REDUCER-1.5X1.25 THD 316 SS PIPE	4452K274	-	2
26	NIPPLE, 1 1/4" NPT - CLOSE, 304 SS	4830K241	-	2
27	NIPPLE-1.5 X 4 304SS PIPE	4830K266	-	1
28	VALVE, PRESS REL - 2" GLOBE, 20-200 PSI	50016720D	ANY	1
29	PRESS GAUGE, WIKA 4"-1/4" LM, 0-30"/30 PSI 213.53	52741691		2
30	PRESS GAUGE, WIKA 4"-1/4" LM, 0-160 PSI SS 213.53	52741699		4
31	PRESS GAUGE, WIKA 4"-1/4" LM, 0-200 PSI SS 213.53	52741700	-	2
32	PIPE PLUG, 1/2" - SQ HD, 304 SS	70398	-	3
33	COUPLER, 1.5" - GROOVE, RIGIDLOK	74011.5	-	2
34	COUPLER, 6" - GROOVE, RIGIDLOK	74016	-	2
35	FLANGE, GRV - 6" CS, RF 150	77886	-	2
36	FLANGE, THD, 1.25", #300, 304SS	7977K140	-	2
37	FLOW METER, MAG 5100 - 4"	7ME65803TJ142KA2		1
38	THREADED ROD, 1/2-13, 10" LG 316 SS	90575A325		4
39	PUMP, VMS, GRUNDFOS, 1.5HP, 3600RPM, 1.5" FLG. CON.	CR3-9		1
40	PUMP, VMS - 15HP 460/3/60, 3600 RPM	CR45-2	-	2
41	PIPE, 1.5" SCH 40, 304SS	22-0812-920		8.125 in
42	PRESS. XDUCER, TURCK - 145 PSI	PS010V-503-LI2UPN8X-H1141	-	1
43	PRESS. XDUCER, TURCK - 232 PSI	PS016R503LIUP8X	-	1
44	VALVE, LUG BFV - 2" LEVER, SS DISC	SC0160LSEL020	-	2
45	VALVE, LUG BFV - 3" LEVER, SS DISC	SC0160LSEL030	-	2
46	VALVE, LUG BFV - 6" LEVER, SS DISC	SC0160LSEL060	-	2
47	BALL VALVE, 1 1/2" - 1PC STD PORT, 316 SS	VBS01-150	-	2
48	BALL VALVE, 1/2" NPT - MINI, 316 SS	VBSM2050	-	6

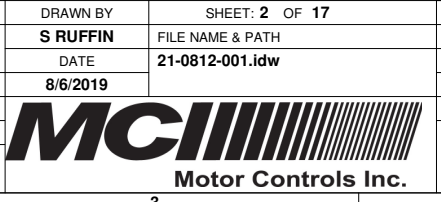
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TOLERANCES			
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8" OR LESS	±.25	±.25	±.25
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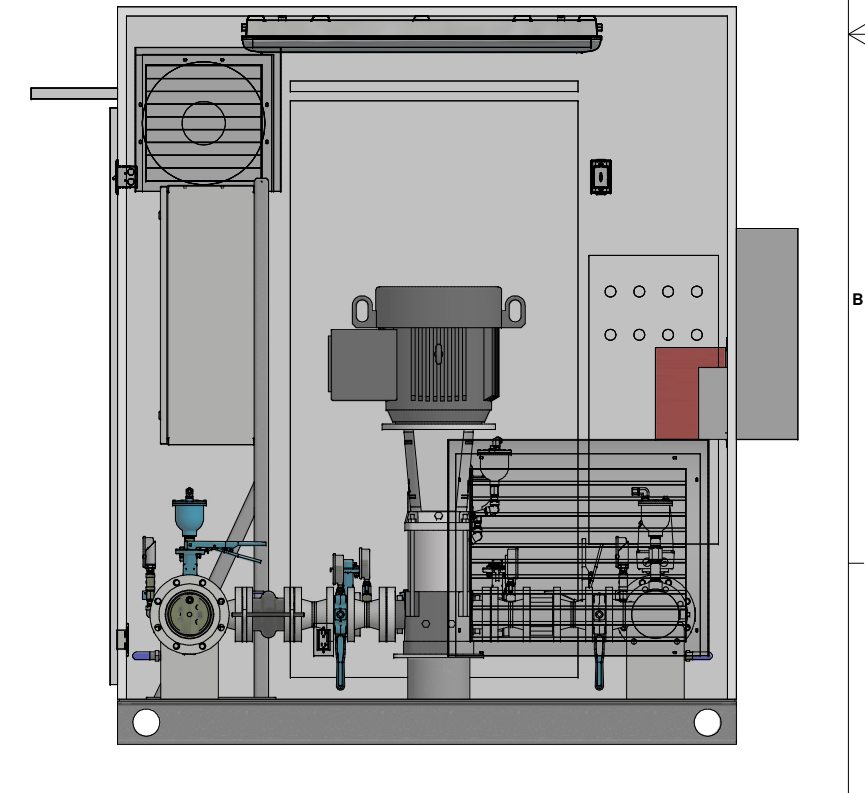
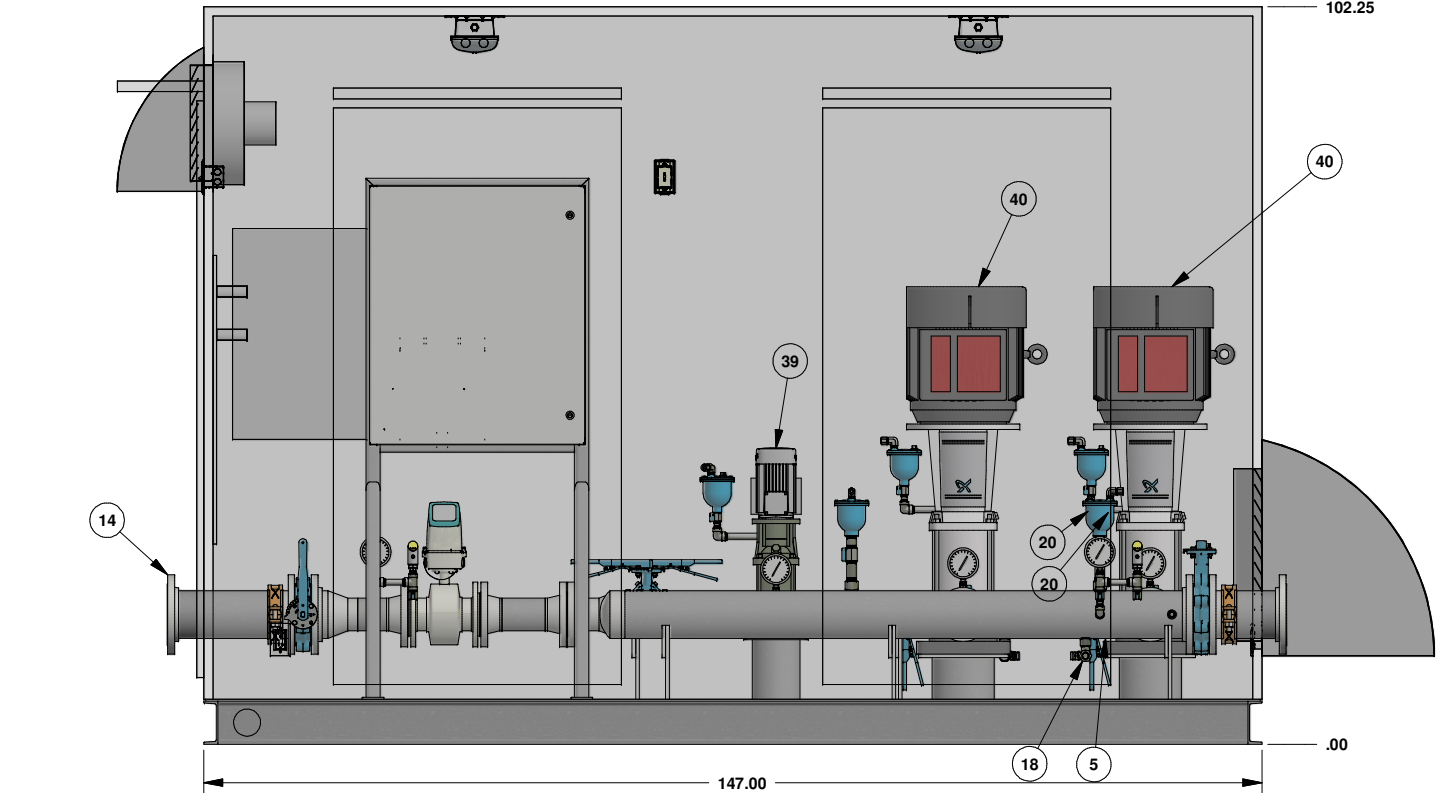
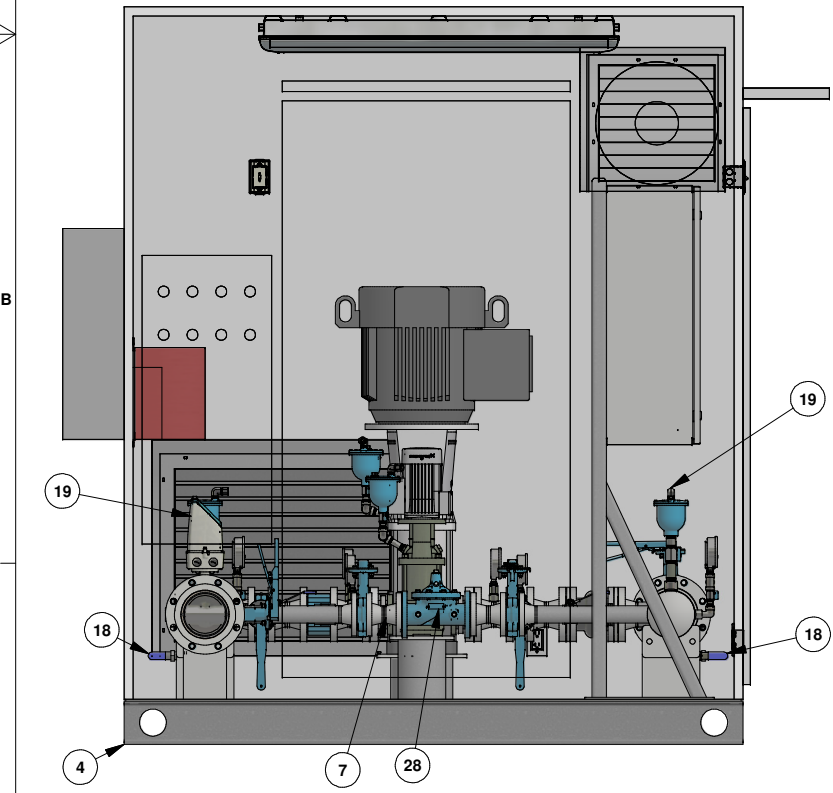
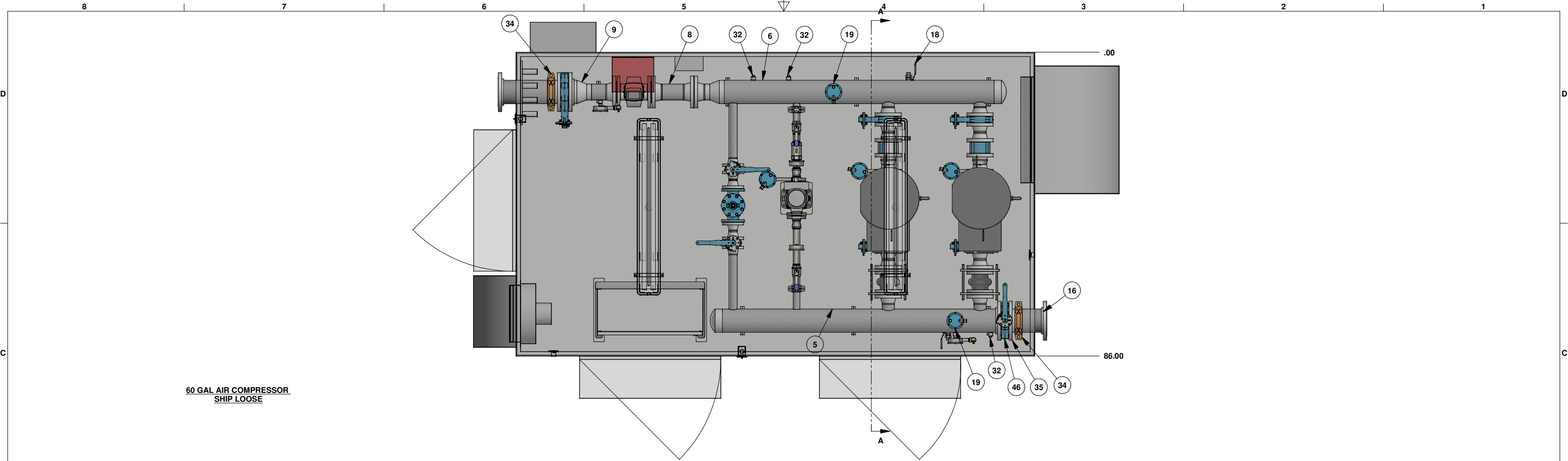
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REMOVE ALL BURRS AND SHARP CORNERS

CUSTOMER	DRAWN BY	SHEET: 2 OF 17	PROJECT NO.#
VARIABLE SPEED SOLUTIONS	S RUFFIN	FILE NAME & PATH	21-0812-001
CUSTOMER P.O. No.	DATE	21-0812-001.idw	MCI JOB No.
-	8/6/2019		140931
END USER	UL LISTING		REVISION:
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MOTOR CONTROLS INC.		VERTICAL MULTISTAGE PUMP STATION	
10661 NEWKIRK ST P.O. BOX 59986 DALLAS, TX 75220-2303		21-0812-001	
TEL: 972.247.4440 FAX: 972.247.8991 WATS: 800.735.1097		MCI JOB No.	
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CUSTOMER	DRAWN BY	SHEET: 3 OF 17	PROJECT NO.#
VARIABLE SPEED SOLUTIONS	S RUFFIN	FILE NAME & PATH	21-0812-001
CUSTOMER P.O. No.	DATE	21-0812-001.idw	MCI JOB No.
-	8/6/2019		140931
END USER			UL LISTING
LA PUENTA VALLEY BPS			REVISION:
			QCZJ -

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QCZJ	-

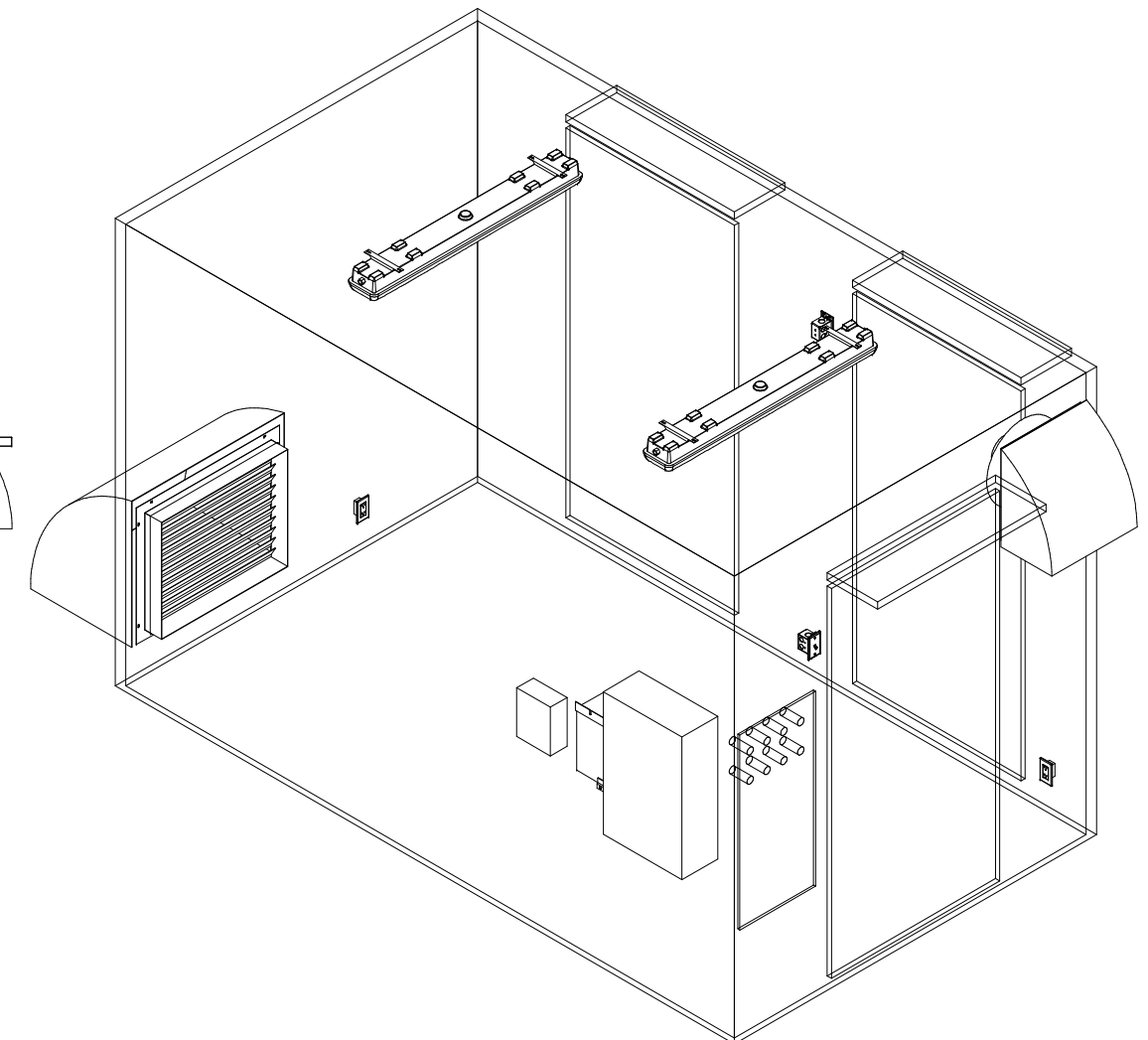
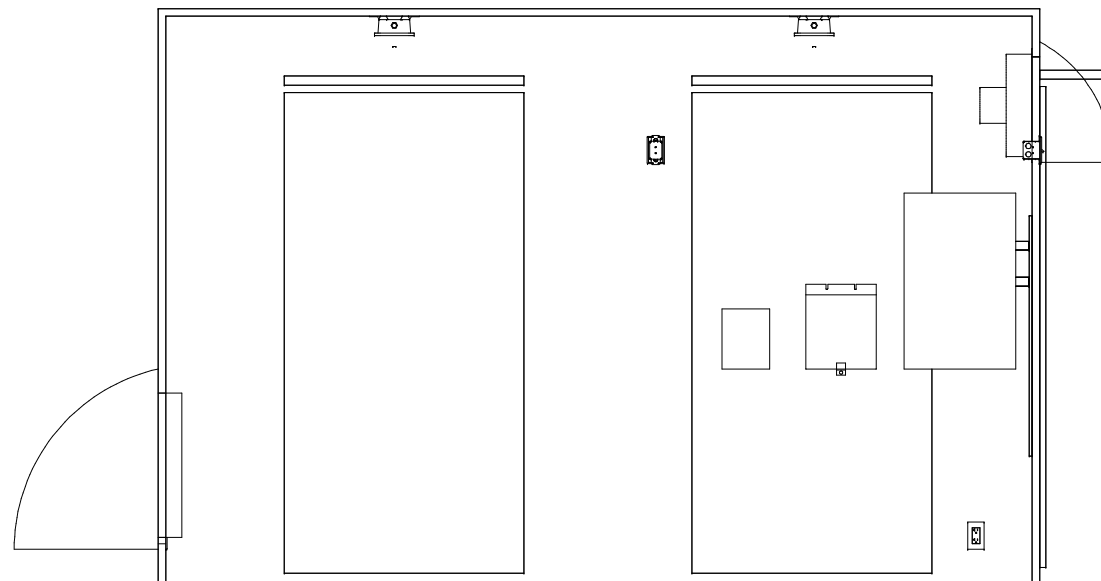
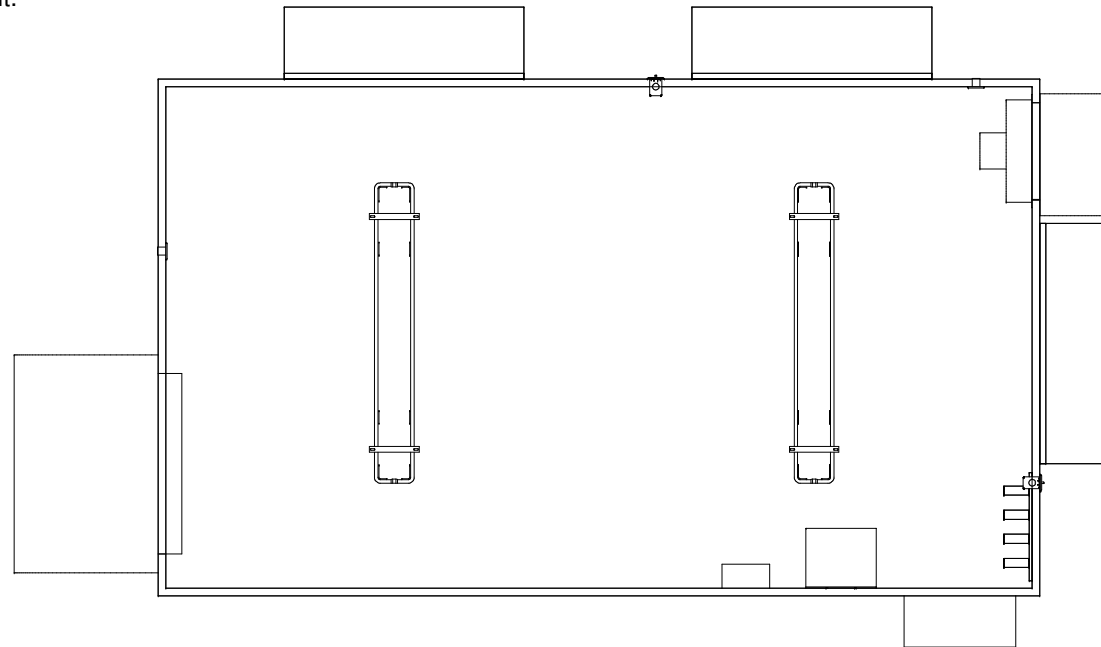
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TEL: 972.247.4440 FAX: 972.247.8991 WATS: 800.735.1097
www.motorcontrols.com

VERTICAL MULTISTAGE PUMP STATION

21-0812-001

Station Building

- Station pre-wired insulated Fiberglass building
- Fiberglass reinforced polyester skins with one inch isocyanate foam insulating core.
- White UV protective polyester gelcoat outside and inside.
- 60 amp, main lug, 8-branch circuit breaker panel in a NEMA 3R plastic enclosure.
- Pre-wired using 12 ga. Wiring in U.L. listed non-metallic flexible conduit.
- Two duplex outlets
- Interior vapor-resistant incandescent lamp.
- Corrosion resistant fan (exhaust) with screened fiberglass hood.
- Fixed aluminum ventilation louver.
- External weatherproof separate switch for fan and lamp.
- Stainless steel lockset, stainless steel piano hinge, door gasket.
- Cadmium plated lifting eye(s).
- Spring cushioned crash stop on door.
- Fiberglass awning over doorway.
- Equipment mounting board laminated to interior wall.
- 5Kva Control Transformer
- 100amp NEMA 3R exterior mounted service entrance rated disconnect



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SKID FRAME HEIGHT		SKID LENGTH	SKID WIDTH
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8" OR MORE		±.38	±.38

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
[MM DIMENSIONS ARE IN BRACKETS]

REMOVE ALL BURRS AND SHARP CORNERS

CUSTOMER	DRAWN BY	SHEET: 4 OF 17	PROJECT NO.#
VARIABLE SPEED SOLUTIONS	S.RUFFIN	FILE NAME & PATH	21-0812-001
CUSTOMER P.O. No.	DATE	21-0812-001.idw	MCI JOB No.
-	8/6/2019		140931
END USER			UL LISTING REVISION:
LA PUERTA VALLEY BPS			QCZJ

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Motor Controls Inc.

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QCZJ	

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TEL: 972.247.4440 FAX: 972.247.8991 WATS: 800.735.1097
www.motorcontrols.com

JACOB FIBERGLASS BLDG.



RESOLUTION NO. 265

A RESOLUTION OF THE BOARD OF DIRECTORS OF LA PUENTE VALLEY COUNTY WATER DISTRICT ESTABLISHING A DEBT MANAGEMENT POLICY

WHEREAS, La Puente Valley County Water District's (District) overriding goal in issuing debt is to provide the funding necessary to meet the infrastructure and capital project needs of its customers while ensuring that debt is issued and managed prudently in order to maintain a sound fiscal position and protect credit quality; and

WHEREAS, the Board of Directors of the District recognizes that cost effective access to the capital markets depends on prudent management and oversight; and

WHEREAS, pursuant to Senate Bill 1029 ("SB 1029"), which was signed by the California Governor on September 12, 2016, California public agencies that issue debt must adopt debt management policies that meet certain criteria; and

WHEREAS, Government Code section 8855(i) requires that any issuer of public debt to provide the California Debt and Investment Advisory Commission ("CDIAC") a report of proposed issuance (the "Report of Proposed Debt Issuance") no later than 30 days prior to the sale of the debt issuance; and

WHEREAS, SB 1029 requires that issuers must certify on the Report of Proposed Debt Issuance whether they have adopted local debt policies concerning the use of debt and whether the proposed debt issuance is consistent with those policies (the "CDIAC Requirements"); and

WHEREAS, pursuant to Government Code 8855(i), the issuer's local debt policies must include certain items specified in the Government Code; and

WHEREAS, the District may, from time to time, qualify as issuers of debt or other similar instruments for the purposes of SB 1029; and

WHEREAS, the District finds and determines that adoption of a Debt Management Policy will help ensure that any debt it issues is issued and managed prudently in accordance with sound fiscal policy, and is in compliance with CDIAC and any other statutory or regulatory requirements,

NOW, THEREFORE, BE IT RESOLVED, that the Board of Directors of the La Puente Valley County Water District does hereby adopt the attached Policy for Debt Management (the "Policy") as set forth in Exhibit "A" attached hereto, which shall be effective March 9, 2020.

ADOPTED, SIGNED AND APPROVED by the Board of Directors of La Puente Valley County Water District at a duly noticed, open and public meeting held on March 9, 2020.

Ayes:

Nays:

Abstains:

Absent:

Henry Hernandez, President
Board of Directors
La Puente Valley County Water District

ATTEST:

Greg B. Galindo, Board Secretary

EXHIBIT A

March 5, 2020

La Puente Valley County Water District
1695 Puente Avenue
Baldwin Park, CA 91706

RE: Nitrate Removal System

Greg Galindo
+1 (626) 890-0797
ggalindo@lapuentewater.com

CONFIDENTIAL
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Firm Proposal 335706 Rev A

Dear Greg,

Evoqua Water Technologies is pleased to provide the following proposal for the design of the Nitrate Removal Ion Exchange System for La Puente Valley County Water District. Evoqua appreciates the trust La Puente has put in Evoqua in years past as your resin and carbon supplier. We never stop trying to improve. Our focus is to provide excellent service to La Puente while ensuring safe and compliant drinking water. We are committed to be your partner in the long-term.

Project Overview:

- 1,800 gpm treated water flow
- Vantage PTIS Select Triplex System (96" or smaller. Correct sizing to be evaluated)
- Evoqua to provide engineering and design
- Installation by OTHERS
- Design due by Spring 2020
- Installation Nov 2020

Design and Engineering, for equipment provided by Evoqua, Scope being offered in this proposal:

- Process Flow Diagram
- P&ID
- General Arrangement drawing
- Provide design calculations
 - Resin capacity/regen frequency
 - Brine/salt usage
 - Brine Waste
- Provide permit support

As the manufacturer of this equipment, Evoqua has exclusive control of both the quality and the delivery schedule for these key components as opposed to those who have to rely exclusively on third parties for the supply of key components. Evoqua can offer one point of contact/responsibility from the design phase through start-up and the warranty period. Evoqua can offer its proposed schedule with a high degree of confidence in its feasibility and success because we control the manufacturing of many of the equipment items being supplied.



Today, Evoqua systems treat more than one billion gallons per day around the globe. As a world leader in the development and manufacture of water and wastewater treatment equipment, Evoqua has the unique qualifications and experience necessary to provide a state-of-the-art water treatment system designed to meet the specific requirements of your facility.

We would like to thank you again for your interest in Evoqua. Should you have any questions regarding this proposal, please don't hesitate to contact us.

Regards,

Patricia Tinnerino
Account Manager- Environmental Services
+1 (714) 262-1560
patricia.tinnerino@evoqua.com

CC:
Jim Ceklosky, AE Mgr.
Paul Hoferlin PE, Sr. Applications Engineer
Carol Dutkovic, Proposal Coordinator

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BASIS OF DESIGN

Basis of Design	
Parameter	Value
Flow Rate	1,800 gpm
Inlet Nitrate (as N)	15 mg/L
Effluent Nitrate (as N)	< 7.8 mg/L

SCOPE OF SUPPLY

Evoqua Water Technologies (Evoqua) will provide the following design services to La Puente Valley County Water District for the design of an ion exchange based nitrate removal system to be utilized for treating the county well water at a flow of 1,800 gpm (2.6 MGD).

Design services limited to Evoqua-provided Equipment for Ion Exchange System	
Process Flow Diagram (PFD)	The PFD displays the relationship between major equipment of a plant facility.
Piping & Instrumentation Diagram (P&ID)	A detailed diagram which shows the piping and process equipment together with the instrumentation and control devices.
Utility List	All required utility usage – power, plant water, compressed air
Chemical List	All required operating chemicals
Equipment General Arrangement (GA) Drawings	Plan and elevation views
Equipment Data Sheet	System component information
Design Calculations	Process design calculations only. Mechanical design (i.e., ASME Tank Code calculations) are not included.
Schedule	Typical manufacturing schedule
Permit assistance	Evoqua will provide up to 40 hours permit support, including: <ul style="list-style-type: none"> • Assist with permit application • Provide process information and drawings • Water/wastewater composition



COMMERCIAL

Pricing does not include any taxes, permits or other related fees.

Nitrate Removal System \$12,250 USD

**Terms to be determined.*

ATTACHMENTS

1. LPVCWD Water Quality

La Puente Valley County Water District – Water Quality

Table 2.1. Influent Characteristics		
Parameter	Unit	Maximum Design Value
Flow	gpm	1,130
Total Dissolved Solids (TDS)	mg/L	342 ¹
Total Hardness (as CaCO ₃)	mg/L	214.5 ³
pH	s.u.	7.6 – 8.0 ¹
Temperature	°F	TBD
Cations		
Ammonium	mg/L	-
Barium	mg/L	0.1 ¹
Calcium	mg/L	62.3 ¹
Magnesium	mg/L	14.3 ¹
Sodium	mg/L	24.9 ¹
Potassium	mg/L	2.6 ¹
Strontium	ug/L	12.1 ¹
Total Cations		
Anions		
Bicarbonate	mg/L	156.7 ¹
Carbonate	mg/L	0.67 ³
Chloride	mg/L	27.1 ¹
Sulfate	mg/L	55.9 ¹
Nitrate (as N)	mg/L	15 ²
Fluoride ⁻	mg/L	0.4 ¹
Phosphate	mg/L	-
Total Anions		
Weak Anions		
Reactive Silica, SiO ₂	mg/L	
Carbon Dioxide, CO ₂	mg/L	3.1 ³
Notes		
1	LPVCWD Annual Consumer Report 2018	
2	Design value	
3	Calculated	

Memo



To: Honorable Board of Directors
From: Paul Zampielo, Operations & Maintenance Superintendent
Date: March 9, 2020
Re: Operations & Compliance Report – February 2020

The following report summarizes La Puente Valley County Water District (LPVCWD) and City of Industry Waterworks System (CIWS) operational and compliance activities for the month of February 2020. The report also includes the status of various projects for each system.

DISTRIBUTION, SUPPLY AND PRODUCTION

- Monthly Water Production Summary –Total production from the LPVCWD Wellfield for the month of February was 307.09 AF, of which, 110.33 AF was delivered to Suburban Water Systems. CIWS Well No. 5 produced a total of 152.20 AF in the month of January. The February Monthly Production Report is provided as **Attachment 1**.
- Well Water Levels and Pumping Rates - The latest static water level, pumping water level, and pumping rate for LPVCWD and CIWS are as shown in the table below.

Well	Static Water Level (Ft)	Pumping Water Level (Ft)	Drawdown (Ft)	Current GPM Pumping Rate	Specific Capacity
LPVCWD 2	142	199	57	1410	24.7
LPVCWD 3	139	148	9	1005	111.7
LPVCWD 5	139.9	185	45.1	2400	53.2
COI 5	93	115	22	1257	57.1

- Monthly Water Conservation – A summary of LPVCWD and CIWS water systems usage for the past six months as compared to the calendar year 2013 is shown below.

LPVCWD Monthly Water Consumption

Month	2013	2019-20	Difference Current-2013 (%)	Accumulative Difference (%)
September	187.60	157.58	-16.0%	-16.5%
October	172.74	166.74	-3.5%	-12.1%
November	139.24	122.88	-11.7%	-12.0%
December	133.13	98.39	-26.1%	-14.8%
January	115.58	109.00	-5.7%	-13.3%
February	112.08	111.01	-1.0%	-10.7%

CIWS Monthly Water Consumption

Month	2013	2019-20	Difference Current-2013 (%)	Accumulative Difference (%)
September	151.97	128.67	-15.3%	-13.3%
October	137.36	123.02	-10.4%	-12.3%
November	110.83	104.78	-5.5%	-10.6%
December	99.84	81.00	-18.9%	-12.3%
January	90.55	83.51	-7.8%	-11.5%
February	81.92	88.04	7.5%	-8.4%

WATER QUALITY / COMPLIANCE

- Distribution System Monitoring – District Staff collected all required water quality samples from the distribution system for the month of February; approximately 36 samples were collected. All results met State and Federal drinking water quality regulations.
- LPVCWD: Nitrate Levels – Provided as *Attachment 2* is a table of the current Nitrate levels at the District’s well field.
- Source Monitoring – All water quality samples were collected from all the wells, as required. The table below summarizes LPVCWD’s wells current water quality for constituents of concern.

Well Sampled	1,1 DCE MCL= 6 ppb	TCE MCL= 5 ppb	PCE MCL= 5 ppb	Perchlorate MCL=6 ppb	1,4- Dioxane NL = 1 ppb	NDMA NL= 10 ppt	Nitrate MCL=10 ppm
LPVCWD 2	ND	40	2.4	24	0.96	71	6.8
LPVCWD 3	ND	3.0	ND	8.7	ND	4.5	8.2

CAPITAL / OTHER PROJECTS

1. LPVCWD Recycled Water Project – Staff has issued the Notice to Proceed to W.A. Rasic and has the Pre-Construction meeting on February 12, 2020. Staff is working with the contractor in preparing for upcoming construction activities.
2. LPVCWD PVOU IZ Project and SZ-South Project
 - Staff worked with Geosyntec in review the Draft O&M Manual for the Shallow Zone South Remedy and had no comments or requested revisions. Geosyntec is in the process of submitting the draft to the EPA.
 - Recent construction activity of the IZ plant includes setting RO train on the equipment foundation pad, installation the UV equipment, on-site brine line installation, and finish containment wall near the Equalization tank.
3. LPVCWD Nitrate Treatment Project – Staff is currently working on the design configuration of the treatment system
4. LPVCWD: Well No. 5 startup – Staff has performed the initial water quality sampling and the well was placed back into service on February 5th. Staff is also working on plans to perform testing Well No. 5 and Well No. 2 in various flow combinations.
5. LPVCWD: Hudson Booster Station Project – Staff met Civiltec for a site visit to discuss the design and construction of the new booster pump station for Water delivery to Suburban Water System.

DEVELOPMENT PROJECTS

1. LPVCWD: 333 Hacienda Blvd. (Old Kmart) – The development recently connected staff to being discussions about new water service construction to support a proposed industrial warehouse building requiring (2) two 2-inch meters and one 8-inch fire service.
2. CWIS: 14241 & 14245 Proctor Ave. – Staff prepared a cost estimated letter for a proposed commercial building project requiring one (1) 2-inch domestic water service and one (1) 6-inch fire service.

Attachment 1

La Puente Valley County Water District

PRODUCTION REPORT - FEBRUARY 2020

LPVCWD PRODUCTION	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2020 YTD	2019
Well No. 2	194.96	19.17											214.13	1986.13
Well No. 3	135.90	13.82											149.71	1405.41
Well No. 5	2.09	274.10											276.19	424.99
Interconnections to LPVCWD	2.24	1.23											3.47	139.67
Subtotal	<u>335.19</u>	<u>308.32</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>643.51</u>	3956.21
Interconnections to SWS	222.04	196.75											418.79	2229.53
Interconnections to COI	4.15	0.56											4.71	148.10
Interconnections to Others	0.00	0.00											0.00	0.00
Subtotal	<u>226.19</u>	<u>197.31</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>423.50</u>	2377.63
Total Production for LPVCWD	<u>109.00</u>	<u>111.01</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>220.00</u>	1578.58
CIWS PRODUCTION														
COI Well No. 5 To SGVCW B5	81.94	152.20											234.14	1288.69
Interconnections to CIWS														
SGVWC Salt Lake Ave	0.51	0.58											1.09	10.62
SGVWC Lomitas Ave	81.07	88.10											169.17	1222.84
SGVWC Workman Mill Rd	0.02	0.03											0.05	0.65
Interconnections from LPVCWD	4.15	0.56											4.71	148.10
Subtotal	<u>85.75</u>	<u>89.27</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>175.02</u>	1382.21
Interconnections to LPVCWD	2.24	1.23											3.47	139.67
Total Production for CIWS	<u>83.51</u>	<u>88.04</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>171.55</u>	1242.54

Attachment 2

**SP 6 and SP 10
Nitrate Concentrations
EPA Method 300.0
MCL = 10 mg/l**

Nitrate Concentrations February / March				
Date	SP 10	SP 6	Well	Comments
2/3/2020	7.3	7.3	2 & 3	
2/10/2020	7.7	7.8	2 & 3	
2/19/2020	8.1	8.1	5	
2/24/2020	7.8	7.9	5	
3/2/2020	8.3	8.2	5	

AVERAGE	7.8	7.9
MINIMUM	7.3	7.3
MAXIMUM	8.3	8.2

NOTES:

All units reported in milligrams per liter (mg/l)

MCL = Maximum Contaminant Level



112 N First St.
La Puente, CA 91744

Attachment 2



Upcoming Events

To: Honorable Board of Directors

Date: 03/09/2020

Re: Upcoming Board Approved Meetings and Conferences for 2020.

Day/Date	Event	<u>Barajas</u>	<u>Escalera</u>	<u>Hastings</u>	<u>Hernandez</u>	<u>Rojas</u>
Thursday, March 26, 2020	SCWUA Monthly Meeting Sheraton Fairplex, Pomona 11:30 a.m.					
Saturday, March 28, 2020	La Puente Little League Youth Parade 9:00 a.m.					
Thursday April 16, 2020	San Gabriel Valley Water Forum Hilton San Gabriel Hotel, San Gabriel 7:30 a.m – 1:45 p.m.		X			
Saturday April 18, 2020	Kiwanis La Puente Car Show (non- compensable)		X			
Wednesday - Thursday, May 6 - 7, 2020	ACWA 2020 Spring Conference Monterey Conference Center, Monterey, CA	X	X	X	X	X
Monday – Wednesday June 15 – 17, 2020	AWWA ACE 2020 Annual Conference Orange County Convention Center, Orlando, FL				X	
Tuesday – Thursday August 25 - 27, 2020	California Special Districts Association CSDA 2020 Annual Conference, Palm Desert, CA		X			
Wednesday-Thursday Sept 30 – Oct 1, 2020	Watersmart Innovations Conference South Point Hotel and Conference Center, Las Vegas, NV		X			
Tuesday-Thursday October 27-29, 2020	AWWA CA/NV 2020 Annual Fall Conference Rio Hotel, Las Vegas, NV		X			
Wednesday - Friday, December 2 -4, 2020	ACWA 2020 Fall Conference, Indian Wells		X			
TBD	SCWUA – Christmas Luncheon at the Sheraton at Pomona Fairplex					