

CITY OF CORONA
Department of Water and Power
WRF3 Sewer Lift Station
CONTRACT CHANGE ORDER NO. 3

PROJECT DESCRIPTION: Construct a sewer lift station.

PROJECT NO: NIB 21-012CA, 2018-11

PURCHASE ORDER NO: P21893

CONTRACTOR: Pacific HydroTech Corporation

JL NO: 69880572

DESCRIPTION OF CHANGES AND/OR EXTRA WORK: Extra work to perform potholing for new sewer manhole installation.
 Extra work to relocate existing utilities for new sewer manhole installation.

The Contractor is hereby directed to make the herein described changes from the plans and specifications and/or perform the following described work not included in the Plans and Specifications for this project.

ITEM	DESCRIPTION	U/M	QUANTITY	UNIT PRICE	TOTAL
1	Perform additional potholing in front of the WRF-3 control building to investigate conflicting utilities for new sewer manhole installation.	LS	1.00	\$5,532.63	\$5,532.63
2	Relocate conflicting 6" WAS line and (2) electrical conduits in front of WRF-3 control building to enable new sewer manhole installation.	LS	1.00	\$22,550.11	\$22,550.11
TOTAL ESTIMATED PRICE FOR THIS CHANGE ORDER:					\$28,082.74

This document shall become an amendment to the Contract and all provisions of the Contract will apply hereto. This Change Order constitutes a complete and final resolution of all claims of the Contract for additional time or additional compensation related to or affected by work that is the subject of this Change Order. Quantities of items other than Lump Sum are not to exceed the amounts indicated.

JUSTIFICATION:

Per CCO #2, a time extension of 84 working days was granted to complete shoring installation, dewatering the lift station site, and relocating utilities. The time extension of 45 days granted in CCO#1 corrected an administrative error in the purchase order and did not affect the original completion date. See details below.


Item 1	The design plans show that the new sewer manhole in front of the WRF-3 control building would be constructed directly over an existing fiber optic line that connects to the WRF-3 SCADA system equipment that is located inside of the control room. Two new locations, east and west of the design location, were selected for relocating the new manhole. Additional potholing was required at the (2) new locations to investigate if any existing utilities could conflict at the new locations. Potholing the (2) new locations were not covered in contractor's bid.
Item 2	After contractor completed the additional potholing at the (2) new locations where the manhole would be relocated, contractor discovered the following conflicting utilities at the preferred location: a 6" WAS line and (2) electrical conduits. The longitudinal running utilities would conflict with the perpendicular 12' by 12' trench shoring box which is required to construct the proposed 18 ft deep manhole. Relocating the trench shoring box further away from the conflicting utilities is not possible. Therefore, placement of the trench shoring box into the 18 ft deep excavation necessitates relocating these utilities out of the way.


CONTRACT VARIANCE SUMMARY

CCO #	Amount	%	Time Working Days	Date Approved
1	\$9,359.75	0.18%	45	5/5/2021
2	\$130,394.49	2.50%	84	6/9/2021
3	\$28,082.74	0.54%	0	6/23/2021
Total	\$167,836.98	3.22%	84	Number of days impacting the schedule.
Original Contract Amount:		\$5,208,096.00	Revised Contract Amount: \$5,375,932.98	
Date Started: 01/4/2021		Original Completion Date:	2/8/2022	Revised Completion Date: 6/9/2022


AUTHORIZATION BY CITY:

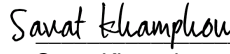
Recommended for approval by:

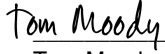
 _____ Date: 6/23/2021
Steve Patterson
Consultant Construction Manager

 _____ Date: 6/23/2021
Gull Nawaz
Project Manager

Approved by:

 _____ Date: 6/23/2021
Vernon R. Weisman, P.E.
District Engineer


 _____ Date: 6/28/2021
Savat Khamphou
Acting Public Works Director & City Engineer

 _____ Date: 6/29/2021
Tom Moody
DWP General Manager

ACCEPTANCE BY CONTRACTOR:

We, the undersigned Contractor, have given careful consideration to the above described changes and/or extra work and hereby agree that said work is the subject of this Change Order. Quantities of items other than Lump Sum are not to exceed the amounts indicated.

Accepted by: Greg Chehey Title: Project Manager
(Please print name and title)

Signature:  _____ Date: 6/23/2021



PACIFIC HYDROTECH CORPORATION
314 E. 3RD ST, PERRIS, CA 92570
(951) 943-8803 FAX (951) 943-1093

June 4, 2021

City of Corona
755 Public Safety Way
Corona, CA 92880

Attn: Vernon Weisman

Reference: WRF-3 Lift Station Project
Project No. 2018-11

Subject: Proposal for Additional Potholing
AKM Email Dated May 17, 2021 (Revised for follow-up T&M pothole work)

Mr. Weisman:

In response to RFI 010.1, The City has requested a proposal for additional potholing to the existing fiber optic line and WAS line.

Per onsite discussion today (5/20/21) PHC will pothole on both sides of the Fiber Optic Line for the most suitable location for the new Manhole, and existing WAS line tie-in point.

After the report of the pothole findings is submitted, The City, AKM, and PHC will discuss best course of action. After which, PHC will submit the proposal for these conflicting utilities.

Revised cost proposal as follows:

Additional Potholing Total (LUMP SUM)	\$4,662.84
Follow-up Pothole Work performed T&M (worksheet attached)	<u>\$869.79</u>
TOTAL Additional Potholing Total	<u>\$5,532.63</u>

Scope of work detailed above includes all necessary tax and mark up, including bonds and insurance.

See attached for breakdown, and backup documents.

Sincerely,
PACIFIC HYDROTECH CORPORATION

Dustin Chehey
Project Coordinator

COST PROPOSAL
(Additional Potholing)

Additional Potholing
(Rev. A)

Printed: 6/4/2021

Additional Potholing

Original Pothole Work at WAS Line

Labor

Qty	Item	Hours	Rate	Total
2	Laborer	12	\$ 72.75	\$ 873.00
				Labor \$ 873.00

Equipment

Qty	Item	Hours	Rate	Total
1	Job Truck	6	\$ 25.00	\$ 150.00
1	Backhoe	1	\$ 46.69	\$ 46.69
				Equipment \$ 196.69

Potholing Service

Qty	Item	UM	Rate	Total
1	Ultra Engineering	DAY	\$ 2,950.00	\$ 2,950.00
				Potholing Service \$ 2,950.00

Subtotal	\$	4,019.69
15.0% PHC Markup	\$	602.95
1.0% Bonds/Ins.	\$	40.20

Total for Original Pothole Work at WAS Line \$ 4,662.84

Additional Work Performed (T&M Worksheet attached)

Labor

Qty	Item	Hours	Rate	Total
1	Foreman/Operator	3	\$ 93.50	\$ 280.50
1	Laborer	3	\$ 72.75	\$ 218.25
				Labor \$ 218.25

Equipment

Qty	Item	Hours	Rate	Total
1	Job Truck	3	\$ 39.12	\$ 117.36
1	Backhoe	3	\$ 46.69	\$ 140.07
				Equipment \$ 257.43

Electrical Sub

Qty	Item	UM	Rate	Total
1	Mark Maddox	LS	\$ 300.00	\$ 300.00
				Electrical Sub \$ 300.00

Subtotal	\$	775.68
Markup for Labor and Equipment	15%	\$ 71.35
Markup for Electrical Sub	5%	\$ 15.00
1.0% Bonds/Ins.	\$	7.76

Total for Additional Work Performed (T&M Worksheet attached) \$ 869.79

GRAND TOTAL EXTRA WORK \$ 5,532.63



PACIFIC HYDROTECH CORPORATION
314 E. 3RD ST, PERRIS, CA 92570
(951) 943-8803 FAX (951) 943-1093

June 3, 2021

City of Corona
755 Public Safety Way
Corona, CA 92880

Attn: Vernon Weisman

Reference: WRF-3 Lift Station Project
Project No. 2018-11

Subject: Relocate WAS Line and Electrical for New Sewer Manhole – Rev. A
(Eliminated Protecto Lining to Ductile Iron Pipe)

Mr. Weisman:

As agreed during our recent jobsite meeting, PHC proposes to relocate existing 6" WAS line and electrical that will interfere with our shoring at the new starting sewer manhole located just west of the WAS pump station. These relocated utilities will be constructed such that they can remain in continued service for the duration of the WRF3 Sewer Lift Station project. The plan for WAS line relocation is to utilize existing 6" plug valve discharge and continue with restrained ductile iron pipe above ground near existing curb and then down to connect to existing WAS line just east of where the primary electrical duct bank turns to enter the electrical building. A thrust block will be placed against the tie-in to restrain the existing line. There is one (1) active electrical conduit with wiring that will be de-energized and relocated around our proposed excavation in a shallow trench with pull boxes on either end. See attached sketches for proposed layout and additional details.

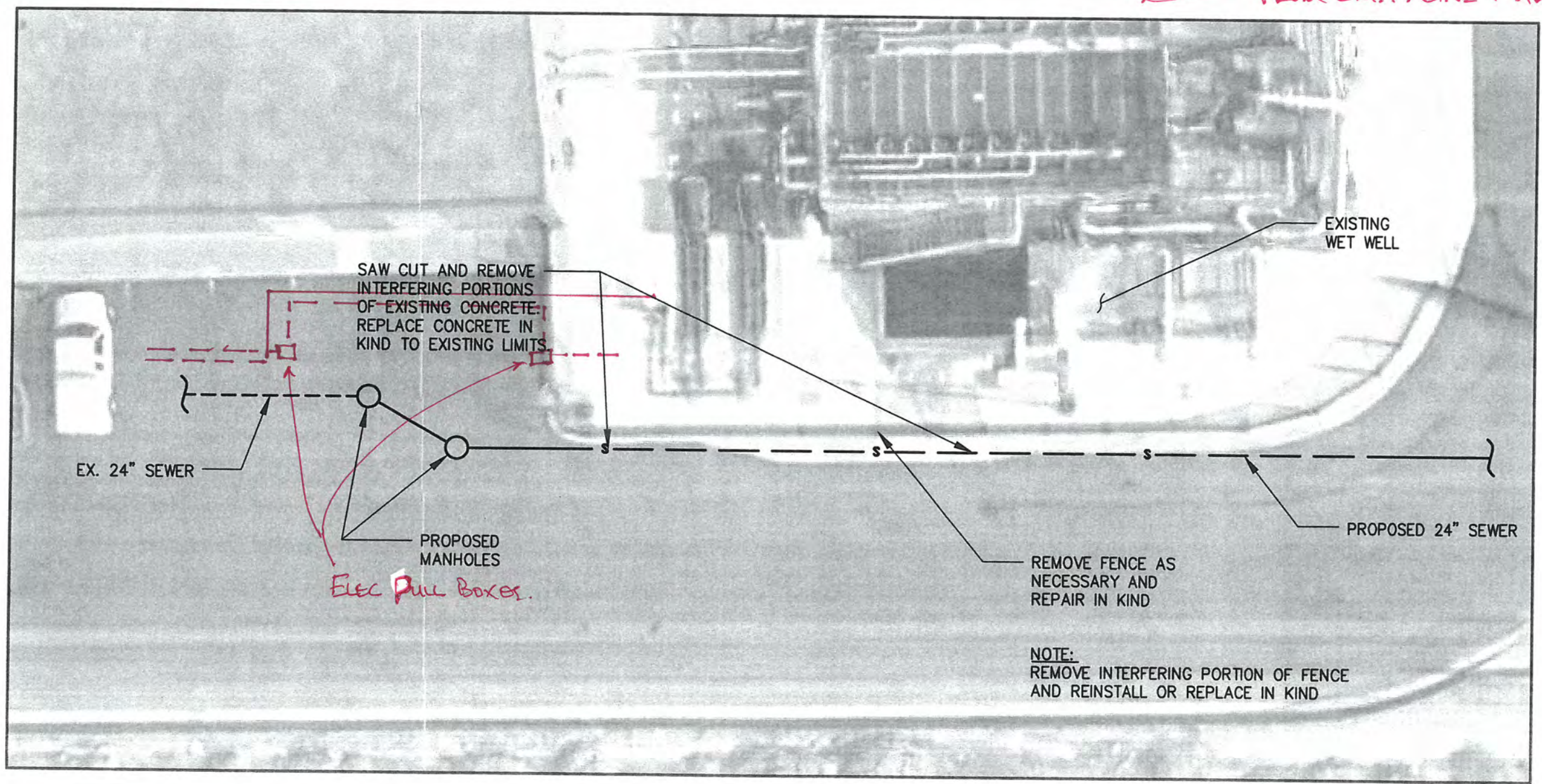
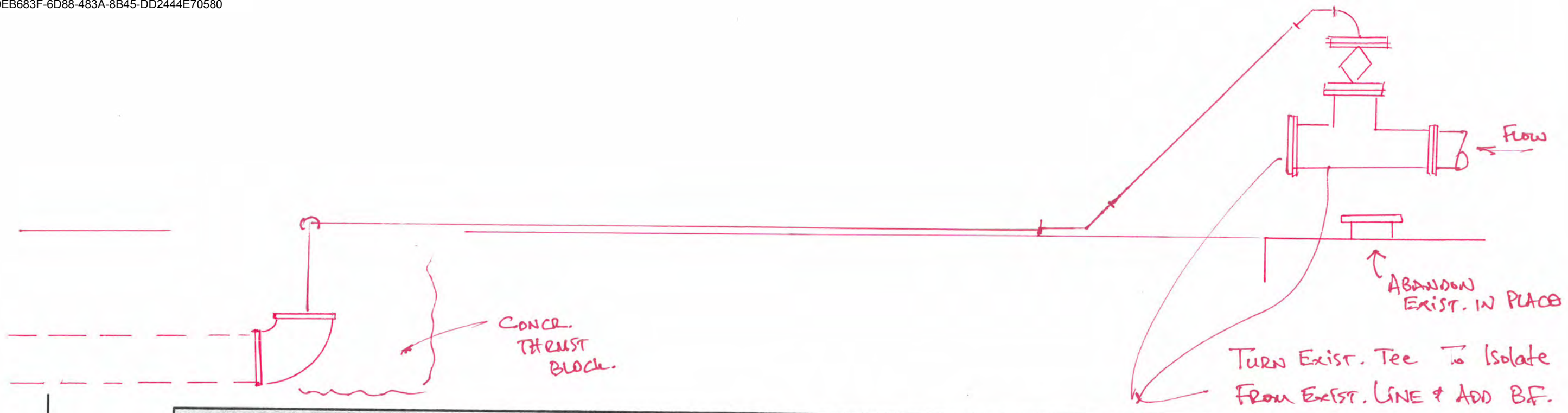
WAS Line and Electrical Relocation at Sewer Manhole \$22,550.11

- The ductile iron pipe and fittings are proposed with standard cement mortar lining.
- Due to limited availability, ductile pipe/fittings may be combination of std black and red prime coating.
- PHC considered alternate materials and discussed with Frank at City of Corona but due to pressure rating and above ground service, we were unable to find a suitable alternative that would provide cost savings.
- The pull boxes are proposed as traffic rated of nominal size to receive this one conduit and wiring.

Draining of existing WAS line by City Operations. PHC will need 8hr shutdown of the WAS pumps to make the connections and then minimum over-night to cure thrust block prior to putting the bypass back into service. See attached for breakdown, and backup documents.

Sincerely,
PACIFIC HYDROTECH CORPORATION

Greg Chehey
Project Manager



SDR
SEE

COST PROPOSAL
WAS Line Relocation

WAS Line and Electrical Relocation at Manhole**LABOR**

Qty	Item	Hours	Rate	Total
1	Foreman	24	\$ 93.50	\$ 2,244.00
1	Operator	24	\$ 93.50	\$ 2,244.00
3	Laborer	24	\$ 72.75	\$ 5,238.00
				LABOR \$ 9,726.00

EQUIPMENT

Qty	Item	Hours	Rate	Total
1	Job Truck	24	\$ 39.12	\$ 938.88
1	Backhoe	24	\$ 46.69	\$ 1,120.56
1	Jumping Jack	8	\$ 9.32	\$ 74.56
				EQUIPMENT \$ 2,134.00

MATERIAL

Qty	Item	UM	Rate	Total
1	DI Pipe and Fittings	LS	\$ 6,639.02	\$ 6,639.02
1	Misc Materials	LS	\$ 500.00	\$ 500.00
1	Concr Thrust Block	LS	\$ 250.00	\$ 250.00
				MATERIAL \$ 7,389.02

OTHER

Qty	Item	UM	Rate	Total
3	Saw Cut AC Pavement	Hrs	\$ 175.00	\$ 525.00
1	Dispose Excess Mtl	Load	\$ 250.00	\$ 250.00
1	Shoring	LS	\$ 200.00	\$ 200.00
				OTHER \$ 975.00

SUBCONTRACTORS

Qty	Item	UM	Rate	Total
1	Mark Maddox Elec.	LS	\$ 1,500.00	\$ 1,500.00
				SUBCONTRACTORS \$ 1,500.00

Subtotal All Items	\$	19,249.02
Markup for Labor, Equipment, Material, Other	15.0%	\$ 3,033.60
Markup for Subcontractors	5.0%	\$ 75.00
Bonds & Insurance	1.0%	\$ 192.49
Total for WAS Line and Electrical Relocation at Manhole	\$	22,550.11



Member Since

PROPOSAL

QUOTE DATE	EXPIRATION DATE	QUOTE NO.
05/28/21	06/27/21	1109204-00
	JOB ID	PAGE NO.
	C2024	1

CUST #: 100021

BILL TO
PACIFIC HYDROTECH CORP 314 E 3RD ST PERRIS, CA 92570

SHIP TO
PACIFIC HYDRO "WRF-3 LS" 4003 TEMESCAL CANYON RD. CORONA, CA

INSTRUCTIONS	SHIP POINT	VIA	SHIPPED	TERMS	CONTACT
ATTN: RON	CHINO	OUR TRUCK		2% 10TH PROX	Ron Harrison
					PHONE (951)830-9950
					EMAIL golfwannabe@mchsi.com

LN	PRODUCT AND DESCRIPTION	ORDERED	BO	SHIPPED	UM	PRICE	NET AMOUNT
6	6-8-FF-8H 6X1/8 8H FF CI RUBBER GSKT	8		8	EA	3.15	25.20
7	BN6-B8M-BLUE# 6 150# T316 B8M B/N/W SET W/ BLUE NUTS	15		15	EA	38.40	576.00
8	BF-06 6 DI BLIND FLG	1		1	EA	77.90	77.90
11	MFA-06 6 DI C153 MJXFLG ADAPTER	7		7	EA	78.40	548.80
12	F90-06 6 DI FLG 90	4		4	EA	170.80	683.20
13	F45-06 6 DI FLG 45	2		2	EA	151.80	303.60
14	6FF176# 6X17'-6" FXF DI SPOOL	2		2	EA	1074.70	2149.40
15	6PP176# 6X17'-6" PXP DI SPOOL	2		2	EA	898.70	1797.40
8	Lines Total	Qty Shipped Total		41	Total		6161.50
					Taxes		477.52
					Invoice Total		6639.02



Smooth Running Jobs