

CITY OF CORONA
Department of Water and Power
WRF-3 Sewer Lift Station
CONTRACT CHANGE ORDER NO. 1

PROJECT DESCRIPTION: Construct a sewer lift station 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: No cost extension of contract time of 45 working days.
Cable rail system on top of retaining wall.
Additional layer of CMU block added to retaining wall.

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
S-1	No cost extension of contract time of 45 working days	N/A	N/A	N/A	N/A
S-2	Install 225 lineal feet of 3 foot high cable railing along the top of the retaining wall.	LS	1.00	\$8,850.80	\$8,850.80
S-3	Install approximately 20 feet of 8" CMU block on the northeast section of the retaining wall.	LS	1.00	\$508.95	\$508.95
TOTAL ESTIMATED PRICE FOR THIS CHANGE ORDER:					\$9,359.75

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:

A time extension of 45 working days to complete the project is granted as an administrative adjustment to align with the contract. See details under Item S-1 below.


S-1	During the project bidding phase, City issued Addendum #1 which increased the number of working days from 225 to 270 working days. The executed contract with Pacific HydroTech reflects the old 225 working days whereas 270 working days were granted per the addendum. The project began on January 14, 2021 and project completion date based on 270 working days is confirmed to be February 8, 2022.
S-2	An approximate 200-ft by 30-ft extension of the paved access road is being constructed for access and future communications tower construction. The new 4-foot high retaining wall is being constructed along the edge of the asphalt pavement extension to support the northerly edge of the pavement extension. The City retaining wall standard does not include a railing. Therefore, a fall barrier needs to be provided as a safety measure along the top of wall where the upper finish grade is accessible by vehicles and personnel. The 3 foot high cable rail system is a Caltrans standard construction detail and will be constructed on top of the retaining wall.
S-3	Approximately 20 feet of the new retaining wall was designed to be at the same elevation as the finished surface of the new asphalt pavement whereas the remaining retaining wall will be 8" higher than pavement finish grade. City directed contractor to install an additional 8" course of CMU block over the 20 foot segment of wall to provide a curb around the pavement.

CONTRACT VARIANCE SUMMARY

CCO #	Amount	%	Time Working Days	Date Approved
1	\$9,359.75	0.18%	45	5/5/2021
Total	\$9,359.75	0.18%	45	
Original Contract Amount:		\$5,208,096.00	Revised Contract Amount: \$5,217,455.75	
Date Started: 01/4/2021		Original Completion Date:	2/8/2022	Revised Completion Date: 2/8/2022

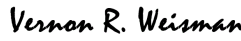
AUTHORIZATION BY CITY:

Recommended for approval by:

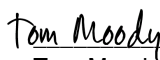
 _____ Date: 5/11/2021
Steve Patterson
Consultant Construction Manager

 _____ Date: 5/11/2021
Gull Nawaz
Project Manager

Approved by:

 _____ Date: 5/11/2021
Vernon R. Weisman, P.E.
District Engineer

 _____ Date: 5/13/2021
Savat Khamphou
Acting Public Works Director & City Engineer

 _____ Date: 5/17/2021
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: 5/6/2021



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

April 5, 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 Cable Railing Fence to Retaining Wall
AKM Email Dated March 8, 2021

Mr. Weisman:

REV 1: Revised per comments dated 3/26/21. See attached Notes to Reviewer page for PHC responses to these comments.

In response to an AKM email dated March, 8th 2021, The City has requested a proposal to procure and install a new Cable Railing Fence to the CMU retaining wall east of the new driveway. This fence will be per the attached Cal-Trans standard drawing.

Please note that the Cal Trans drawing provided was intended for a cast in place concrete wall, and not a CMU retaining wall. PHC will be grouting the posts into the CMU cells with an embed depth of 12". This way the posts will be embedded 4" +/- into the second course of block. Additionally, there will be a step in the railing height to account for the T.O.W elevation changes. PHC will keep the railing at 3' from top of block consistent for the entire length of the cable railing fence as shown in the attached New Construction detail.

Please review the proposed lump sum cost below:

Cable Railing Fence to Retaining Wall Total \$8,850.80

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

Pacific Hydrotech Corporation
314 E. 3rd Street
Perris, CA 92570
Phone: (951) 943-8803
Fax: (951) 943-1093



PHC Project Number: C2024
Project Name: WRF3 Lift Station
Change Order: COR 002-R1
Description: Cable Railing Fence to Retaining Wall

NOTES TO REVIEWER

In response to the comments received for the subject change order, PHC offers the following:

- Article 29 of the General Conditions describes the cost of labor will be wages prevailing locally for each craft or type of worker, plus payroll taxes and insurance, health and welfare, pension, vacation, apprenticeship funds, and other direct costs resulting from Federal, State or local laws, as well as assessment or benefits required by lawful collective bargaining agreement.
 - **PHC Response: Noted. Labor rate has been revised to reflect the total direct costs PHC will pay for a Group 4 Laborer. Prevailing wage rate breakdown of all trades will be forward in a separate email for the Owners reference for any future change orders.**

- Technical Specification Section 01 22 00 Unit Prices, part 3.44 Stipulated Bid Item A2 - Allowance for Field Orders - Contractor's hourly charge rate for labor, tools and equipment shall not exceed published Caltrans rates of similar labor, tools, and equipment.
 - **PHC Response: Cal Trans Prevailing Wage Rates utilize the breakdown provided in separate email. With these Prevailing Wage Rate breakdown, PHC will also provide the CalTrans equipment rental rates for future reference.**

- Please provide certified copies of payroll for review and verification of labor rates.
 - **PHC Response: Noted. Certified Payroll Reports will be forwarded to The City monthly.**

- General Conditions Article 29 Change order Work, costs of applicable insurance and bond premiums will be reimbursed at a rate of 1% of the Net Cost of work. Net costs exclude markup.
 - **PHC Response: Noted.**

COST PROPOSAL
(Changed Condition)

Cable Railing Fence

Printed: 4/5/2021

Cable Railing Fence to CMU Retaining Wall

PHC Labor

Qty	Item	Hours	Rate	Total
2	Laborer	40	\$ 72.75	\$ 2,910.00
				Labor \$ 2,910.00

PHC Equipment

Qty	Item	Hours	Rate	Total
1	Job Truck	24	\$ 25.00	\$ 600.00
				Equipment \$ 600.00

PHC Material

Qty	Item	UM	Rate	Total
1	Cable Railing Materials	LS	\$ 4,120.00	\$ 4,120.00
				Material \$ 4,120.00

Subtotal	\$	7,630.00
15.0% PHC Markup	\$	1,144.50
1.0% Bonds/Ins.	\$	76.30
Total for Cable Railing Fence		\$ 8,850.80



Date: 03-15-2021

Non-Union Company
Lic. # 934352
DIR# 1000633737

Job Name: Cable Railing Material
Re: Fencing & Gates
Attn: Estimating

Team West Contracting Corporation

2733 Vista Ave, Bloomington, Ca, 92316

* SBE

(909) 421-4450 Phone (909) 421-4471 Fax

Addendums (0)

Team West Contracting, proposes to supply and install the following items. Due to volatility of the current supply market, proposal must be signed within 60 days from above date and project must start within 120 days, or a material price increase may occur. We are bondable at 2.5%; however, it is not included in proposal.

Proposed Material and area of work:

- 1. Furnish Materials Only for Approx. 224 LF of 4' Cable Railing

Proposed Cost: \$4,120.00

Per Fence detail, Plans, & Fencing specifications.

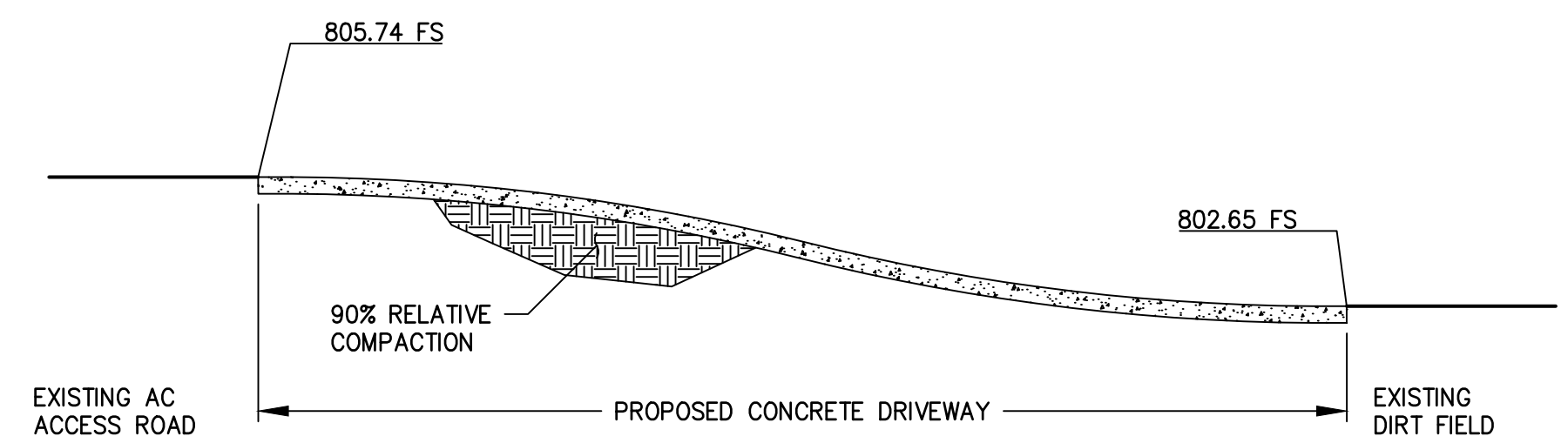
Exclusions: Grading, staking, clearing, grubbing, coring, locksets, permits, demolition, mow strip, "V"-track installation, post sleeves & installation, spoils removal, core drilling, saw cutting, backfilling, concrete patching, asphalt patching, painting, temp fence, signs, concrete flat work, electrical, grounding, knox boxes, irrigation, surveying, existing underground pipes & electrical wiring, engineering, shop and field inspections & testing, ADA regulations, payment & performance bonds & fees, waiver of subrogation, excess liability policies and Union agreements.

Eric Negrete
Estimator
Office: (909)421-4450
Cell: (951)522-5192

Signature below will be considered acceptance of above proposal and notice of intent to award so as to begin the preparation of submittals.

Scope of work accepted: Print name: Dustin Chekey initial: DC Date: 4/1/21

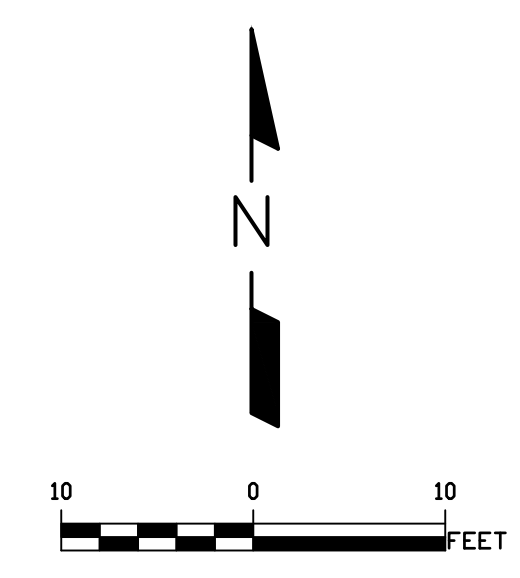
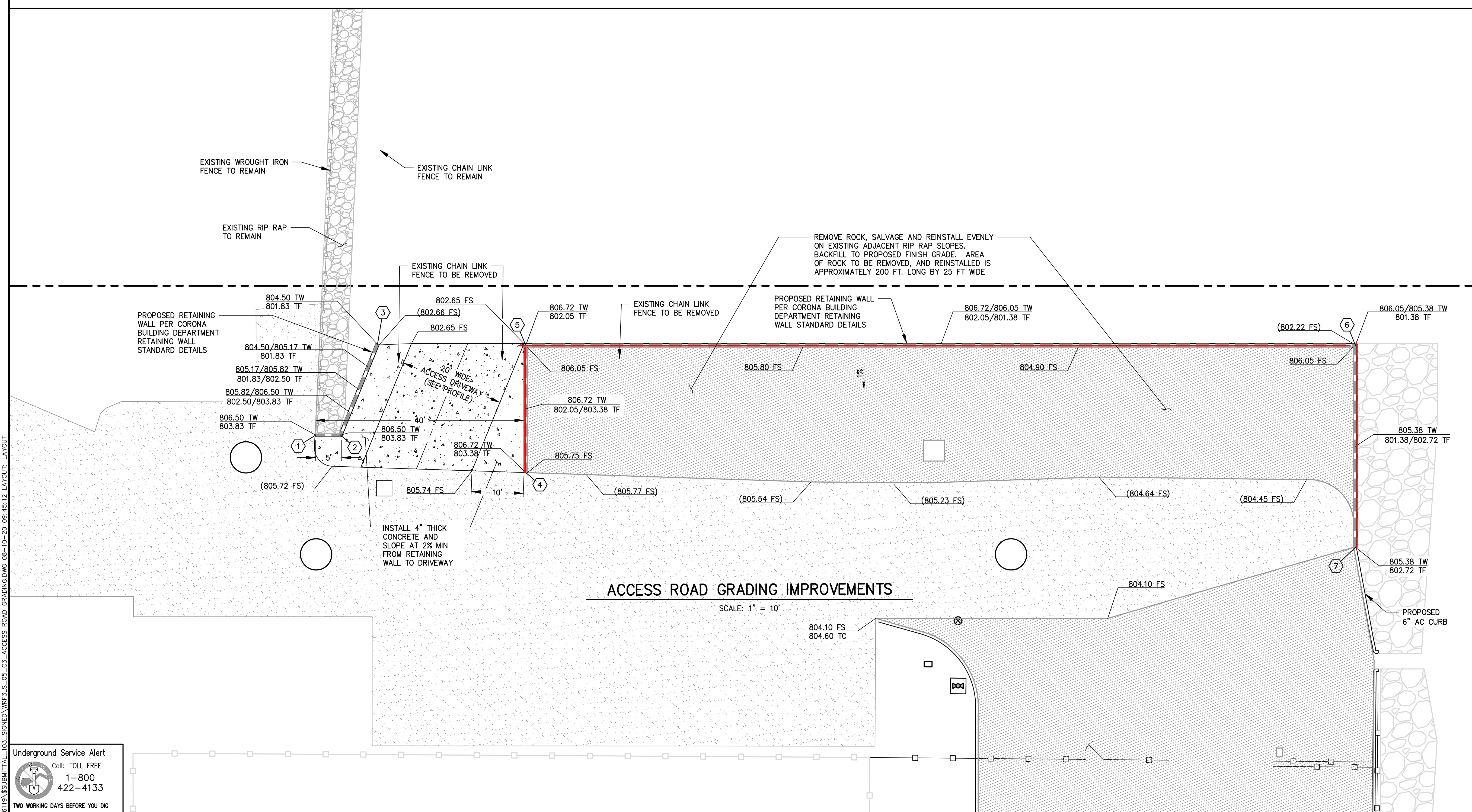
RETAINING WALL COORDINATE DATA			
NO.	NORTHING	EASTING	DESCRIPTION
1	2,244,979.31	6,179,902.44	RETAINING WALL END
2	2,244,979.31	6,179,907.22	RETAINING WALL ANGLE POINT
3	2,244,996.77	6,179,914.32	RETAINING WALL END
4	2,244,972.12	6,179,942.77	RETAINING WALL END
5	2,244,996.56	6,179,942.78	RETAINING WALL ANGLE POINT
6	2,244,996.56	6,180,102.11	RETAINING WALL ANGLE POINT
7	2,244,957.75	6,180,102.11	RETAINING WALL END



- DRIVEWAY NOTES:**
- ALL CONCRETE SHALL BE CLASS 560-C-3250, CURED WITH CURING COMPOUND. PROVIDE #4 REINFORCING BARS AT 24" O.C. EACH WAY, CENTERED IN SLAB.
 - PROVIDE WEAKENED PLANE JOINT AT CENTER OF DRIVEWAY.
 - CONCRETE DRIVEWAY TO BE 8" MINIMUM THICKNESS.

ACCESS DRIVEWAY PROFILE
NO SCALE

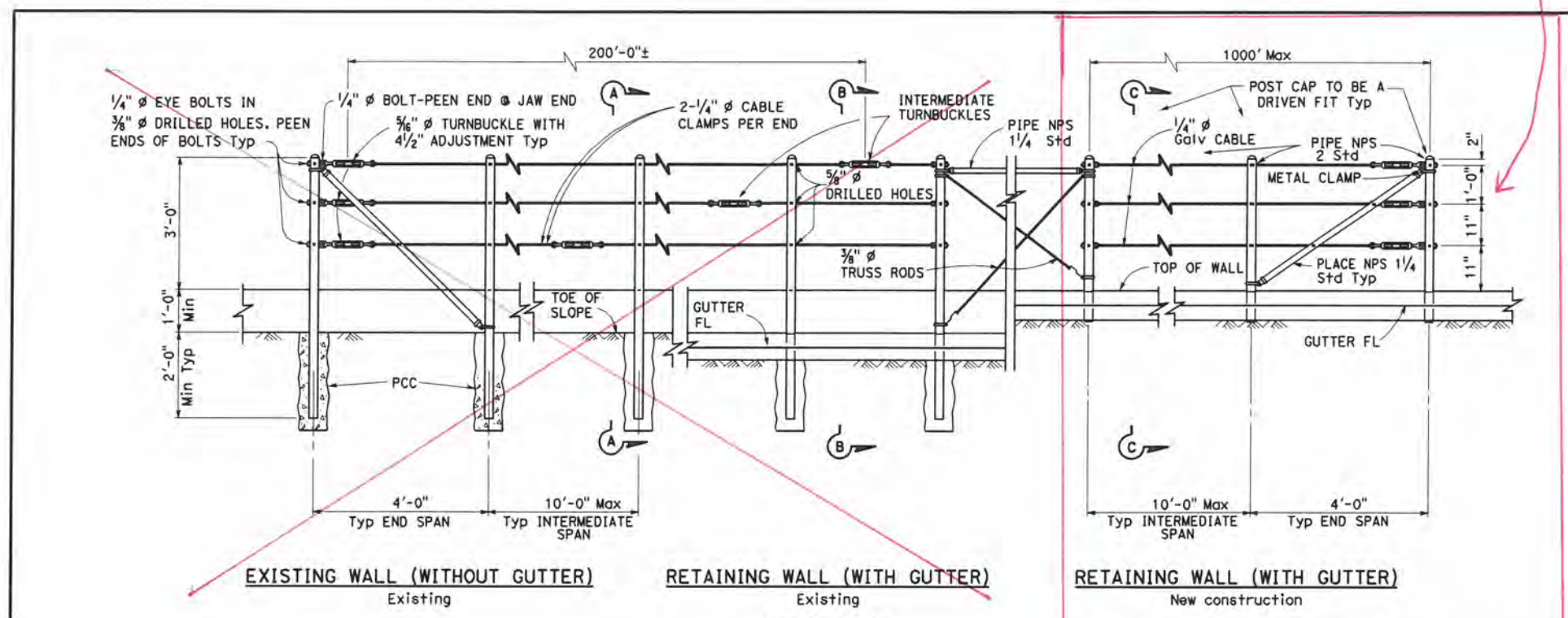
LEGEND
Cable Railing Fence to be installed to Red highlighted area only.



Underground Service Alert
Call: TOLL FREE
1-800-422-4133
TWO WORKING DAYS BEFORE YOU DIG

<p>0 1/2 1</p> <p>24x36 FORMAT IF THIS BAR MEASURES 1" THEN DRAWING SCALE IS AS NOTED</p> <p>0 1/4 1/2</p> <p>12x18 FORMAT - WARNING IF THIS BAR MEASURES 1/2" THEN DRAWING IS NOT FULL SCALE AND IS 50% REDUCED</p>	<p>Designed By SN</p> <p>Drawn By DW</p> <p>Checked By SN</p> <p>PLANS PREPARED UNDER SUPERVISION OF</p> <p>DATE: 08-07-2020 R.C.E.: 51070</p>	<p>Reference Plans for These Improvements</p> <p>Date By Revisions App'd</p>	<p>APPROVED BY:</p> <p>ENGINEERING DATE: _____</p> <p>OPERATIONS DATE: _____</p>	<p>APPROVED BY: DEPARTMENT OF WATER AND POWER</p> <p>DATE: _____</p>	<p>CITY OF CORONA</p> <p>WRF-3 LIFT STATION</p> <p>ACCESS ROAD GRADING IMPROVEMENTS PLAN</p>	<p>15-033U</p> <p>C-3</p> <p>Sheet 5 of 71</p>
	<p>DEKTER WILSON ENGINEERING, INC.</p> <p>CONSULTING ENGINEERS</p> <p>2234 FERRIS AVENUE</p> <p>CORONA, CA 92509</p> <p>(760) 438-4422</p>			<p>VERNON R. WEISMAN</p> <p>DISTRICT ENGINEER</p> <p>R.C.E. 41610</p>		

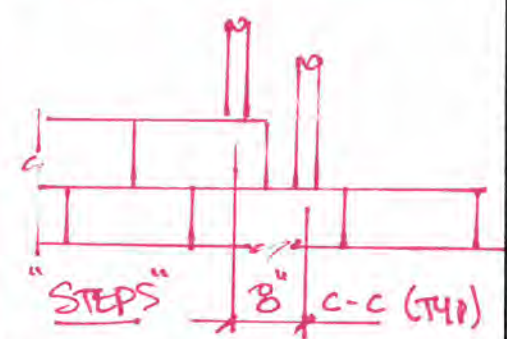
3' from T.O.W for entire length of railing



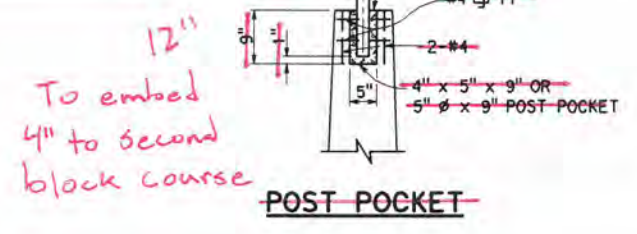
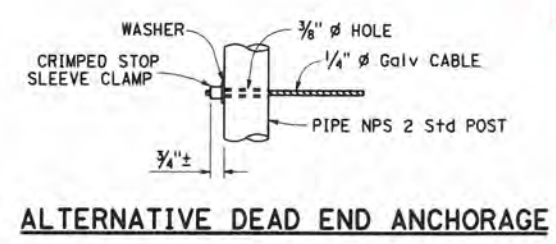
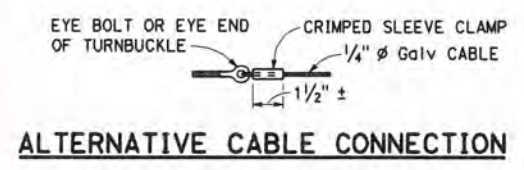
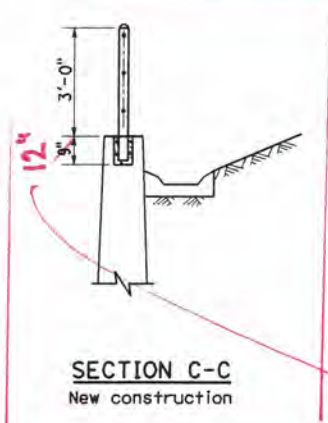
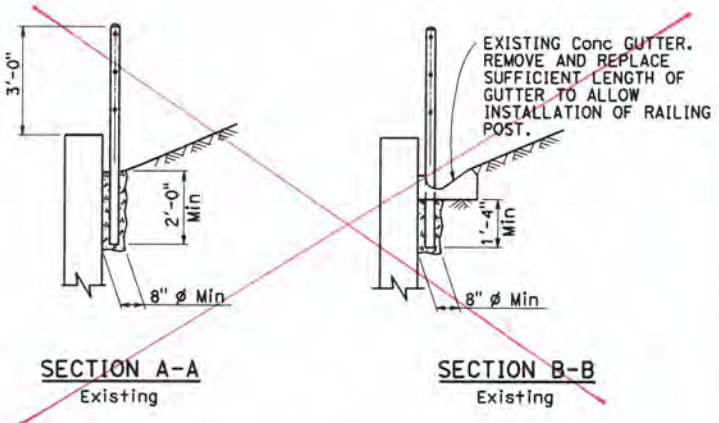
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL No.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER
 May 20, 2011
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

Detail PHC is using for construction



- NOTES:
1. Maximum distance between turnbuckles shall be 200'-0"±.
 2. Intermediate turnbuckles to be placed in adjacent spans.
 3. Cable shall not be spliced between intermediate turnbuckles and end posts.
 4. Posts to be vertical.
 5. Alignment of holes in posts may vary to conform to slope of top of retaining wall.
 6. The Contractor shall verify all dependent dimensions in the field before ordering or fabricating any material.
 7. Line posts shall be braced horizontally and trussed diagonally in both directions at intervals not to exceed 1000'.
 8. Post pockets to be centered in top of wall.
 9. Typical end spans, braced in both directions, shall be constructed at changes in line where the angle of deflection is 15° or more.
 10. Provide thimbles at all cable loops.



12" To embed 4" to second block course

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
CABLE RAILING
 NO SCALE

B11-47

293

2010 STANDARD PLAN B11-47



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

April 9, 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: Additional Block Course T&M

Mr. Weisman:

On 4/5/21 PHC was directed by AKM to place an additional course of CMU Block (15 total block) at the west most side of the retaining wall.

Please review the proposed T&M cost below:

Additional Block Course T&M..... \$508.95

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
(Changed Condition)

Cable Railing Fence

Printed: 4/6/2021

Additional Block Course T&M

PHC Labor

Qty	Item	Hours	Rate	Total
5	Laborer	5	\$ 72.75	\$ 363.75
				Labor \$ 363.75

PHC Equipment

Qty	Item	Hours	Rate	Total
1	Job Truck	1	\$ 25.00	\$ 25.00
				Equipment \$ 25.00

PHC Material

Qty	Item	UM	Rate	Total
1	MISC Materials	LS	\$ 50.00	\$ 50.00
				Material \$ 50.00

Subtotal	\$	438.75
15.0% PHC Markup	\$	65.81
1.0% Bonds/Ins.	\$	4.39
Total for Cable Railing Fence	\$	508.95

