

CHANGE ORDER/C.O. No. 1PROJECT: Calder Road Pump Station Improvements ProjectCONTRACT No.: \_\_\_\_\_ PROJECT No.: WT1205TO: CSA Construction, Inc.Contractor and 2314 McAllister RoadAddress for Written Notice Houston, TX 77092

REFERENCE RFIs/RFPs: \_\_\_\_\_

## 1.01 DESCRIPTION OF CHANGES

## CONTRACT CHANGE

		AMOUNT	TIME
<b>ITEM 1 SCOPE:</b>	WCD No. 1 ( <i>See Attached WCD No. 1</i> )	\$26,161.00	28 Days
<b>ITEM 2 SCOPE:</b>	WCD No. 2 ( <i>See Attached WCD No. 2</i> )	\$9,546.00	25 Days
<b>ITEM 3 SCOPE:</b>	Demolition of 0.5 MG Bolted Steel Ground Storage Tank (GST) and associated piping ( <i>See attached scope of work</i> ).	\$37,927.00	60 Days
<b>JUSTIFICATION:</b>	The Calder Road Bolted Galvanized Steel 0.5MG GST was include in the FY2017 CIP Annual Water System Improvements Project (WT1402) to be rehabilitated. Upon inspection of the GST it was determined that the GST had major structural failures and had deteriorated to a condition that was beyond rehabilitation. This GST was required to be demolished. All associated piping to and from the GST required removal or adjustments.		
<b>ITEM 4 SCOPE:</b>	Coating of Interior and Exterior of 1.5 MG Welded Steel Ground Storage Tank (GST) ( <i>See attached scope of work</i> ).	\$246,297.00	120 Days
<b>JUSTIFICATION:</b>	Upon inspection of the 1.5 MG GST it was determined that it was time for some minor structural repairs on the interior, and replacement of the protective coating for the interior and exterior.		

<b>TOTALS:</b>	<u>\$319,931.00</u>	<u>233 Days</u>
	_____	_____

## 1.02 ACCEPTANCE BY CONTRACTOR

Contractor agrees to perform change(s) included in this Change Order for the price and time indicated. The prices for changes include all costs associated with this Change Order.

Contractor Signature and Title PROJECT MANAGER 5-12-17 Date

### 1.03 ACCEPTANCE BY THE CITY

<u>JC Chen</u>	<u>5/11/2017</u>		
Project Manager / Engineer	Date	<u>Director of Public Works</u>	Date
<u>Project Manager / League City</u>	<u>Date</u>	<u></u>	<u>Date</u>
<u>[Intermediate Authority, if needed]</u>	<u>Date</u>	<u>City Manager</u>	<u>Date</u>

Director of Public Works Date

Project Manager / League City \_\_\_\_\_ Date \_\_\_\_\_

[Intermediate Authority, if needed] \_\_\_\_\_ Date \_\_\_\_\_ City Manager \_\_\_\_\_ Date \_\_\_\_\_

END OF DOCUMENT

cc: [Binkley &amp; Barfield Inc.], [Water Production Dept. Director], [City Director of Engineering], [File(s)]

## EXECUTIVE SUMMARY

C.O. No. 1 Contract No.: \_\_\_\_\_ Proj. No.: WT1205

1.01	CONTRACT PRICE SUMMARY	Dollar Amount	Percent
A.	Original Contract Price	\$12,213,750.00	100.00%
B.	Previous Change Orders	\$0.00	0.00%
C.	This Change Order	\$319,931.00	2.62%
D.	Contract Price	\$12,533,681.00	102.62%

Date of Commencement of the Work:

Monday, August 4, 2014

1.02	CONTRACT TIME SUMMARY	Duration	Completion Date
A.	Original Contract Time	540 Days	Monday, January 25, 2016
B.	Previous Change Orders	0 Days	Monday, January 25, 2016
C.	This Change Order	233 Days	
D.	Contract Time	773 Days	Wednesday, September 14, 2016

## 1.03 TOTAL VALUE OF INCREASES OUTSIDE OF GENERAL SCOPE OF WORK

- A. Including this Change Order, the following table is provided to track conditions related to Paragraph 7.1.2.3 of Document 00700 - General Conditions.

<u>CHANGE ORDER No.</u>	<u>AMOUNT ADDED</u>	<u>PERCENT OF ORIGINAL CONTRACT PRICE</u>
1	\$319,931.00	2.62%

<b>TOTALS</b>	<b>\$319,931.00</b>	<b>2.62%</b>
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END OF SUMMARY





**To:** John Baumgartner, Deputy City Manager  
**From:** Bobby Morrison, Senior Project Manager  
**Reference:** Calder Road Booster Pump Station  
LC CIP Project No. WT1205  
**Subject:** Work Change Directive No. 1  
Water Well Upgrade  
**Date:** March 13, 2015

Work Change Directive No. 1 (WCD #1) represents water well modifications to increase the well production from 1,500 gpm to 2,000 gpm, for the amount of \$26,161.00.

Weisinger Incorporated has completed the test pumping and hydrological analysis of the Calder Road Pump Station new well. Based on Weisinger comprehensive well/pump assessment, Weisinger recommends the permanent pumping equipment be upgraded to **2,000 gpm @ 387' TDH** by increasing the motor size to 250 hp (200 hp specified), larger capacity bowl assembly and increasing the pump setting to 400' (350' specified) to maintain 100' pump submergence during operation. In essence, an additional 25% of production can be obtained (500 gpm increase from the 1,500 gpm specified) with an additional investment of 2.3% of the well/pump contract.

If you are in agreement, please sign the enclosed WCD #1 and return to my office for electronic distribution.

Please call if you have any questions at ext 1439.

Thank you

*\$610,688 contingency available  
3/16/15 AS*



## WORK CHANGE DIRECTIVE/WCD No. 1

PROJECT: Calder Road Pump Station Improvements  
CONTRACT No.: \_\_\_\_\_ PROJECT No.: WT1205  
TO: CSA Construction, Inc.  
Contractor and 2314 McAllister Road  
Address for Written Notice Houston, TX 77092

REFERENCE RFIs/RFPs: Submittal No. 53 – Water Well and Well Pump Equipment

You are hereby directed to make the following changes in the Work, as described below and specified or shown on attachments, if applicable.

## 1.01 DESCRIPTION OF CHANGES

## A. Brief description of changes in the Work:

Water well modifications including a six stage well pump with a capacity of 2,000 gpm at 387 feet TDH, 250 HP WP1 motor, and associated electrical modifications including increased motor soft start, conductors and conduit. These modifications will replace a five stage well pump with a capacity of 1,500 gpm at 344 feet TDH, 200 HP motor, and associated electrical equipment.

## B. Justification for change(s):

After completing the comprehensive well/pump assessment, it was determined the well production could be increased 25% from 1,500 gpm to 2,000 gpm by implementing the above modifications at an increased well item cost of only 3%. The increased well production will help offset production losses at other City wells.

## 1.02 PROPOSED ADJUSTMENTS

## A. Contract Price (Check one):

☒ Lump sum increase of \$26,161.00.

☐ Unit Price of \$ \_\_\_\_\_ per \_\_\_\_\_.

☐ As provided in subparagraph \_\_\_\_\_ of General Conditions.

☐ As follows:

## B. Contract Time: Contract Time is proposed to be adjusted. Proposed adjustment is an increase of 28 days.




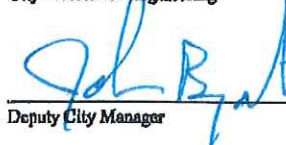
CITY OF LEAGUE CITY

WORK CHANGE DIRECTIVE

1.03

NOTICE TO PROCEED BY THE CITY

Signature by City Director of Engineering or Deputy City Manager indicates notice to proceed to Contractor for the described work and outlines proposed method of adjustment in Contract Price and Contract Time.

 _____ Engineer / Consultant Project Manager	<u>3/12/15</u> _____ Date	 _____ City Director of Engineering	<u>3/16/15</u> _____ Date
 _____ City Project Manager	<u>3/13/15</u> _____ Date	 _____ Deputy City Manager	<u>3-16-15</u> _____ Date

1.04 ACCEPTANCE BY CONTRACTOR

Signature by Contractor indicates Contractor's agreement with the above proposed adjustments in Contract Price and Contract Time.

 _____ Contractor Signature and Title	<u>PROJECT MANAGER</u> _____ Date	<u>3-12-15</u> _____ Date
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END OF DOCUMENT

cc: Binkley & Barfield, Inc., Water Production, Director of Engineering, File

## EXECUTIVE SUMMARY

WCD No. 1      Contract No.: \_\_\_\_\_      Proj. No.: WT 1205

1.01	CONTRACT PRICE SUMMARY	Dollar Amount	Percent
A.	Original Contract Price	\$12,213,750.00	100.00%
B.	Previous WCDs or Change Orders	\$0.00	0.00%
C.	This Work Change Directive	\$26,161.00	0.21%
D.	Revised Contract Price	\$12,239,911.00	100.21%
E.	Projected Contract Modifications*		
F.	Projected Contract Price		

Date of Commencement of the Work:

Monday, August 4, 2014

1.02	CONTRACT TIME SUMMARY	Duration	Completion Date
A.	Original Contract Time	540 Days	Monday, January 25, 2016
B.	Previous WCDs or Change Orders	0 Days	Monday, January 25, 2016
C.	This Work Change Directive	28 Days	
D.	Revised Contract Time	568 Days	Monday, February 22, 2016
E.	Projected Contract Modifications*		
F.	Projected Contract Time		

## 1.03 TOTAL VALUE OF INCREASES OUTSIDE OF GENERAL SCOPE OF WORK

- A. Including this Work Change Directive, the following table is provided to track conditions related to Article 10 – 12 of Document 00700 - General Conditions.

<u>WCD &amp; C.O. Nos.</u>	<u>AMOUNT ADDED</u>	<u>PERCENT OF ORIGINAL CONTRACT PRICE</u>
1	\$26,161.00	0.21%
<hr/>		
TOTALS	\$26,161.00	0.21%

\* Based on approved WCDs not yet included in Change Orders and Change Orders not yet issued.

END OF SUMMARY



# CSA Construction, Inc. / General Contractors



713 / 686-8868  
713 / 686-8889 Fax

2314 McAllister Road, Houston, Texas 77092

March 10, 2015

Mr. Jason Brock, P.E.  
Binkley & Barfield, Inc.  
1710 Seamist Drive  
Houston, Texas 77008

Re: City of League City  
Calder Road Pump Station Improvements  
Proposals for Water Well Upgrade

Dear Mr. Brock:

We propose to perform the Water Well Modifications including a six (6) stage well pump, design point 2,000 gpm at 387' TDH, 250 hp WP1 motor, and associated electrical modifications for the following amount:

Water Well Modifications, 2000 gpm, 250 hp	\$ 26,161.00
--	--------------

We request an additional 28 days to perform these additional work items.

A cost breakdown is attached for your review.

If you require any additional information please contact me.

Sincerely,

CSA CONSTRUCTION, INC.

Kenneth H. Schultz

CALDER ROAD PUMP STATION IMPROVEMENTS

WATER WELL MODIFICATIONS  
2000 GPM, 250 HP MOTOR

	Qty	U	Unit L	Labor	Unit M	Material	TOTAL
WEISINGER, WELL PUMP & MOTOR	1	LS	0.00	0.00	18,518.00	18,518.00	18,518.00
PFEIFFER & SON, ELECTRICAL	1	LS	0.00	0.00	5,265.00	5,265.00	5,265.00
				0.00		23,783.00	23,783.00
					10% OH & P		2,378.00
					TOTAL		26,161.00



P.O. Box 2346 • Conroe, TX 77385 • (833)756-7721

## PUMP EQUIPMENT- 2,000 gpm, 250 hp motor

Customer:	CSA Construction, Inc. 2314 McAllister Road Houston, TX 77092	Date:	2/3/2015
Contact:	Mr. Karl Miller	Work Order No.:	1538
		Project:	League City
		Project:	Calder Road Well

Bid Item- 22:	PUMP EQUIPMENT- Description	Qty.	Price/each	Total price
22a	USEM TEFC 200 hp VHS motor, 1770 rpm, TUCS, E.H.T., (3/60/460V)	1	Included	Included
22a.1	U.S. 250 hp VHS WP1 motor, 1770 rpm, premium efficiency, VPI 2000 insulation, RUSI, E.H.T., (3/60/460V)- ALDUC	L.S.	-\$8,978.00	-\$8,978.00
	Xylem model 14RJLC- 5 stage oil lube bowl assembly Design point: 1,500 gpm @ 391' TDH 416 s.s. collets			
22b	Wear rings (impellers/bowl cases)	L.S.	Included	Included
	Dynamic balance impellers Factory testing- Hydro test bowl assembly Factory testing- non witnessed performance test			
22b.1	Xylem model 14RJMC- 6 stage oil lube bowl assembly- ALDER	L.S.	\$9,583.00	\$9,583.00
	Design point: 2,000 gpm @ 387' TDH			
22c	10" x 20" Type A cast iron discharge head w/ adj. column adapter flange	1	Included	Included
22c.1	Heavy duty fab. steel head and adapter flange- ALDER	1	\$8,817.00	\$8,817.00
22d	30" square (1" thick) sole plate w/ drilled and tapped holes	1	Included	Included
22e	12" x 3" x 1 15/16" column assembly (350' setting)	L.S.	Included	Included
22e.1	12" x 3" x 1 15/16" column assembly, airline, sounding tube (400' setting)- ALDER	50'	\$8,210.00	\$8,210.00
22f	1" x 20' length sch. 80 PVC pipe (sounding tube)	350	Included	Included
22f.1	1" x 20' length sch. 80 PVC pipe (sounding tube)- ALDER	50	\$3.40	\$170.00
22g	1/4" s.s. airline- ft.	355	Included	Included
22g.1	1/4" s.s. airline- ft.- ALDER	50	\$4.42	\$221.00
22h	Chlorine, chemicals for super-chlorination (lbs.)	25	Included	Included
22i	Misc. supplies (s.s. banding, airline gauge, fittings)	1	Included	Included
22j	Rig Time to install 50'- 12" x 3" x 1 15/16" column assembly- ALDER	L.S.	\$495.00	\$495.00
<b>TOTAL ADDITIONAL FOR PUMP UPGRADES (2,000 gpm, 250 hp motor)</b>				<b>\$18,518.00</b>

a. Payment terms:	Upon completion	Submitted by:	Dean S. Marshall
b. Quote validity:	30 days		Dean S. Marshall
c. Warranty:	1 year standard		Project Manager
d. Delivery:	10-12 weeks A.R.O.	Accepted by:	
e. Freight:	Included	Date of acceptance:	

# PFEIFFER & SON, LTD.

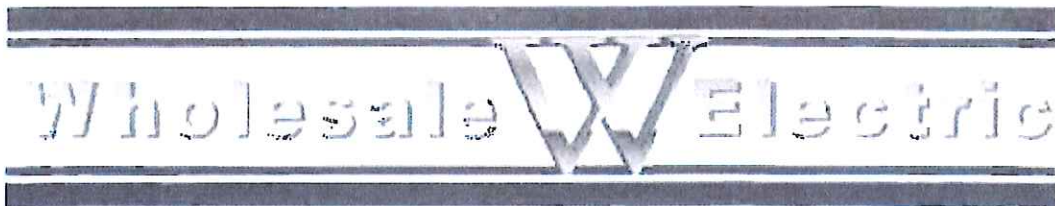
Electrical & Telecommunication Contractors

## PFEIFFER AND SON JOB # 4151624 CHANGE ORDER REQUEST

Date: 3/2/2015  
Project: League City Calder Road Pump Station Improvements  
Description: Labor and material to increase water well  
motor starter, conduit & conductors to  
accommodate 250 Hp water well motor.

1	General Labor	11.00 hours x \$	24.0	264.00
2	Supervisory Labor	1.00 hours x \$	48.0	48.00
3	Subtotal items 1 and 2			<u>312.00</u>
4	Labor Burden 55% x Item 3			171.60
5	Cost of Materials			4,041.39
6	Equipment			78.00
7	Cost of Transportation			0.00
8	Subtotal items 3,4,5,6 and 7			<u>4,602.99</u>
9	Cost of Insurance 4% x item 8			184.12
10	Cost of Bonds (7.4.2.2.4)			0.00
11	Subtotal lines 8,9 and 10			<u>4,787.11</u>
12	Overhead 10%			478.71
13	Profit 5%			0.00
14	Not Used			<u>0.00</u>
15	Total change order amount items, items 11,12,13 and 14			<u>\$ 5,265.82</u>





4040 Gulf Freeway, Houston, TX 77004 Tel: 713-748-6100/Fax: 713-749-8476

<b>COMPANY:</b>	PFEIFFER AND SON	<b>From:</b>	Scott Spilker
<b>ATTENTION:</b>	BILL BAKER	<b>Pages:</b>	1
<b>Fax:</b>		<b>Date:</b>	3/2/15
<b>Phone:</b>		<b>CC:</b>	

☐ Urgent    ☐ For Review    ☐ Please Comment    ☐ Please Reply    ☐ Please Recycle

**Subject:** CALDER ROAD MCC RVSS

**Quote #**

**Lot: \$ 2785.00**

**Comments:** Per your bill of material.

**CHANGE 200HP RVSS UNITS TO 250HP UNITS IN SECTION AB OF MCC**

**Best Regards,**

*Scott Spilker*

**Return to Scott Spilker (713) 749-8420**

**Email: [sspilker@wholesaleelectric.com](mailto:sspilker@wholesaleelectric.com)**

**Fax 713-749-8476**

Job ID: BID-2015--1108  
 Project: Calder Rd. Water Plant C/O No. 1



### Audit Trail Basic

Vendor: WHLSSUPPLY

Labor Level: CONEST

2 Mar 2015 10:21:07

Phase: SWITCHGEAR

SubPhase: ADDITIVE

Quantity	Size	U/M	Description
1	NEMA-6 3P	EA	MCC STARTER SGL-SPEED NON REV
3	500	EA	WIPE TERMINATION L3P

Phase: SWITCHGEAR

SubPhase: DEDUCTIVE

Quantity	Size	U/M	Description
-1	NEMA-5 3P	EA	MCC STARTER SGL-SPEED NON REV
-3	400	EA	WIRE TERMINATION LBR

Phase: MOTORS / PUMPS

SubPhase: ADDITIVE

Quantity	Size	U/M	Description
1	250 HP	EA	460/480V 3PH MOTOR CONNECTION

Phase: MOTORS / PUMPS

SubPhase: DEDUCTIVE

Quantity	Size	U/M	Description
-1	200 HP	EA	460/480V 3PH MOTOR CONNECTION

Phase: UNDERGROUND DUCT BANKS

SubPhase: ADDITIVE

Quantity	Size	U/M	Description
100	4	FT	PVC SCH 40
12	4 x 3	EA	BASE DUCT BANK CONDUIT SPACER
1	4	EA	GRND BUSHING INSULATED
2	4	EA	PVC END BELLS
345	500	FT	XHHW CU (STR)
115	3	FT	XHHW CU (STR)
2	4	EA	FRE IPS STD BURIAL 90d/ 48" R-BEND
2	4	EA	FRE ID STD BURIAL DBL BELL COUPLING
2	4	EA	FRE ID STD BURIAL FEMALE ADAPTER

Phase: UNDERGROUND DUCT BANKS

SubPhase: DEDUCTIVE

Quantity	Size	U/M	Description
-100	3	FT	PVC SCH 40
-12	3 x 3	EA	BASE DUCT BANK CONDUIT SPACER
-1	3	EA	GRND BUSHING INSULATED
-2	3	EA	PVC END BELLS
-345	400	FT	XHHW CU (STR)
-115	3	FT	XHHW CU (STR)
-2	3	EA	FRE IPS STD BURIAL 90d/ 48" R-BEND

Pfeiffer Son, Ltd.

100, 5th Floor  
 100, 5th Floor  
 100, 5th Floor

Phone: 416-491-4112  
 Web: www.pfeiffer-son.com

**Phase: UNDERGROUND DUCT BANKS****SubPhase: DEDUCTIVE**

Quantity	Size	U/M	Description
-2	3	EA	FRE ID STD BURIAL DBL BELL COUPLING
-2	3	EA	FRE ID STD BURIAL FEMALE ADAPTER

**Phase: EXPOSED OUTDOOR CONDUIT****SubPhase: ADDITIVE**

Quantity	Size	U/M	Description
10	4	FT	PVC-CTD GRC 40MIL
1	4	EA	CONDUIT CUT & THREAD
1	4	EA	PVC-CTD GRC (MYERS TYPE) HUB
60	500	FT	XHHW CU (STR)
20	3	FT	XHHW CU (STR)
2	4	EA	S-STEEL STRUT CLAMP
1	4	EA	LIQUIDTITE CONDUIT
3	4	FT	LIQUIDTITE CONDUIT
1	4	EA	PVC-CTD LIQUID-TITE 90D-CONN
1	4	EA	PVC-CTD LIQUID-TITE STR-CONN

**Phase: EXPOSED OUTDOOR CONDUIT****SubPhase: DEDUCTIVE**

Quantity	Size	U/M	Description
-10	3	FT	PVC-CTD GRC 40MIL
-1	3	EA	CONDUIT CUT & THREAD
-1	3	EA	PVC-CTD GRC (MYERS TYPE) HUB
-60	400	FT	XHHW CU (STP)
-20	3	FT	XHHW CU (STR)
-2	3	EA	S-STEEL STRUT CLAMP
-1	3	EA	LIQUIDTITE CONDUIT
-3	3	FT	LIQUIDTITE CONDUIT
-1	3	EA	PVC-CTD LIQUID-TITE 90D-CONN
-1	3	EA	PVC-CTD LIQUID-TITE STR-CONN

**Phase: START-UP & MISCELLANEOUS****SubPhase: ADDITIVE**

Quantity	Size	U/M	Description
27	PER HOUR	EA	MUNICIPAL DEPARTMENT TRUCK
5	PER HOUR	HR	SUPERVISOR'S TRUCK

**Phase: START-UP & MISCELLANEOUS****SubPhase: DEDUCTIVE**

Quantity	Size	U/M	Description
-21	PER HOUR	EA	MUNICIPAL DEPARTMENT TRUCK
-4	PER HOUR	HR	SUPERVISOR'S TRUCK

**Job ID:** BID-2015-1108  
**Project:** Calder Rd. Water Plant C/O No. 1



## Phase Breakdown

Vendor: WHILSSUPPLY				Labor Level: CONEST				2 Mar 2015 10:18:01			
Bid Name: ADDITIVE ITEMS*				Bid Template: MUNICIPAL TEMPLATE V7							
Phase	SubPhase	Level	SubLevel	Area	Total	Quote	Material	Labor	Equip	SubCont	DIG
Job											
SWITCHGEAR	Grouped	Grouped	Grouped	Grouped	3,684.82	2,785.00	6,635.39	48.01	356.60	--	--
MOTORS / PUMPS	Grouped	Grouped	Grouped	Grouped	276.52	--	150.00	3.00	--	--	--
UNDERGROUND DUCT B	Grouped	Grouped	Grouped	Grouped	4,687.85	--	3,598.61	35.83	--	--	--
EXPOSED OUTDOOR CON	Grouped	Grouped	Grouped	Grouped	3,396.43	--	2,886.78	12.09	--	--	--
START-UP & MISCELLANE	Grouped	Grouped	Grouped	Grouped	356.60	--	--	--	356.60	--	--

WHILSSUPPLY LTD.

1100 10th Ave S  
 Suite 100  
 Minneapolis, MN 55415

Phone: 612-338-1111  
 Web: www.whilssupply.com

10/20/15 10:18:01



**Job ID:** BID-2015--1108  
**Project:** Calder Rd. Water Plant C/O No. 1



## Phase Breakdown

Vendor: WHLSSUPPLY				Labor Level: CONEST				2 Mar 2015 10:19:54			
Bid Name: DEDUCTIVE ITEMS*				Bid Template: MUNICIPAL TEMPLATE V7							
Phase	SubPhase	Level	SubLevel	Area	Total	Quota	Material	Labor	Equip	SubCont	DIC
Job					-7,267.01	--	-5,379.25	-38.17	-278.20	--	--
SWITCHGEAR	Grouped	Grouped	Grouped	Grouped	-208.75	--	--	-4.95	--	--	--
MOTORS / PUMPS	Grouped	Grouped	Grouped	Grouped	-240.97	--	-125.00	-2.75	--	--	--
UNDERGROUND DUCT B	Grouped	Grouped	Grouped	Grouped	-4,175.81	--	-3,275.03	-21.38	--	--	--
EXPOSED OUTDOOR CON	Grouped	Grouped	Grouped	Grouped	-2,362.27	--	-1,979.22	-9.08	--	--	--
START-UP & MISCELLANEOUS	Grouped	Grouped	Grouped	Grouped	-278.20	--	--	--	-278.20	--	--





**To:** John Baumgartner, Deputy City Manager  
**From:** Bobby Morrison, Senior Project Manager  
**Reference:** Calder Road Booster Pump Station  
LC CIP Project No. WT1205  
**Subject:** Work Change Directive No. 2  
Bay Gas Facilities Mitigation  
**Date:** March 1, 2016

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Work Change Directive No. 2 (WCD #2) represents modifications to the Bay Gas Facilities to mitigate displacements caused by the acquisition of land for the improvements to the Calder Road Booster Pump Station, and; the deletion of the Alternate Work Item for the temporary disinfection equipment and electrical work for the early use of the water well, for a total net increase amount of \$9,546.00.

The modifications to the Bay Gas Facilities include the following:

1) Provide propane tank storage area and laydown area (crushed conc.)	\$36,421.00
2) Relocate three storage containers/tool trailers to the north area	\$ 374.00
3) Relocate access road and continues to laydown area (crushed conc.)	\$ 6,146.00
4) Construct employee and customer parking area (crushed conc.)	\$ 4,285.00

The deletion of the temporary well equipment was a decrease in the amount of \$37,880.00.

If you are in agreement, please sign the enclosed WCD #2 and return to my office for electronic distribution.

Please call if you have any questions at ext 1439.

Thank you

CITY OF LEAGUE CITY

WORK CHANGE DIRECTIVE

WORK CHANGE DIRECTIVE/WCD No. 2

PROJECT: Calder Road Pump Station Improvements  
CONTRACT No.: \_\_\_\_\_ PROJECT No.: WT1205

TO: CSA Construction, Inc.  
Contractor and 2314 McAllister Road  
Address for Written Notice Houston, TX 77092

REFERENCE RFIs/RFPs: Improvements to Bay Gas, Inc

You are hereby directed to make the following changes in the Work, as described below and specified or shown on attachments, if applicable.

1.01 DESCRIPTION OF CHANGES

A. Brief description of changes in the Work:

- |  |               |
|--|---------------|
| 1) Provide propane tank storage area and laydown area                | \$36,421.00   |
| 2) Move the three storage containers /tool trailers to the north     | \$374.00      |
| 3) Relocate the access road to north PL and continue to laydown area | \$6,146.00    |
| 4) Construct employee and customer parking area                      | \$4,485.00    |
| 5) Delete portion of Bid Item A1                                     | (\$37,880.00) |

B. Justification for change(s):

Land and Easement acquisition of the Bay Gas property required the relocation of Bay Gas's facilities to mitigate damages caused by the City's construction of facilities to serve the Calder Road Booster Station.

1.02 PROPOSED ADJUSTMENTS

A. Contract Price (Check one):

- ☒ Lump sum increase of \$9,546.00.
- ☐ Unit Price of \$\_\_\_\_\_ per \_\_\_\_\_.
- ☐ As provided in subparagraph \_\_\_\_\_ of General Conditions.
- ☐ As follows:

B. Contract Time: Contract Time is proposed to be adjusted. Proposed adjustment is an increase of 25 days.



CITY OF LEAGUE CITY

WORK CHANGE DIRECTIVE

1.03 NOTICE TO PROCEED BY THE CITY

Signature by City Director of Engineering or Deputy City Manager indicates notice to proceed to Contractor for the described work and outlines proposed method of adjustment in Contract Price and Contract Time.

JC Chen 2/25/2016  
Engineer, Consultant Project Manager Date

Earl Stitt 2/24/2016  
City Director of Engineering Date

[Signature] 2/24/16  
City Project Manager Date

[Signature] 2/28/16  
Deputy City Manager Date

1.04 ACCEPTANCE BY CONTRACTOR

Signature by Contractor indicates Contractor's agreement with the above proposed adjustments in Contract Price and Contract Time.

[Signature] PROJECT MANAGER 2-26-16  
Contractor Signature and Title Date

BND OF DOCUMENT

cc: Binkley & Barfield, Inc., Water Production, Director of Engineering, Pfile

## CITY OF LEAGUE CITY

**WORK CHANGE DIRECTIVE****EXECUTIVE SUMMARY**

WCD No. 2      Contract No.: \_\_\_\_\_      Proj. No.: WT 1205

1.01	CONTRACT PRICE SUMMARY	Dollar Amount	Percent
A.	Original Contract Price	\$12,213,750.00	100.00%
B.	Previous WCDs or Change Orders	\$26,161.00	0.21%
C.	This Work Change Directive	\$9,546.00	0.08%
D.	Revised Contract Price	\$12,249,457.00	100.29%
E.	Projected Contract Modifications*		
F.	Projected Contract Price		

Date of Commencement of the Work:		Monday, August 4, 2014
1.02	CONTRACT TIME SUMMARY	Completion Date
A.	Original Contract Time	540 Days
B.	Previous WCDs or Change Orders	28 Days
C.	This Work Change Directive	25 Days
D.	Revised Contract Time	593 Days
E.	Projected Contract Modifications*	
F.	Projected Contract Time	

**1.03 TOTAL VALUE OF INCREASES OUTSIDE OF GENERAL SCOPE OF WORK**

- A. Including this Work Change Directive, the following table is provided to track conditions related to Article 10 – 12 of Document 00700 - General Conditions.

WCD & C.O. Nos.	AMOUNT ADDED	PERCENT OF ORIGINAL CONTRACT PRICE
1	\$26,161.00	0.21%
2	\$9,546.00	0.08%
<b>TOTALS</b>	<b>\$35,707.00</b>	<b>0.29%</b>

\* Based on approved WCDs not yet included in Change Orders and Change Orders not yet issued.

**END OF SUMMARY**

# CSA Construction, Inc. / General Contractors



713 / 686-8868  
713 / 686-8889 Fax

2314 McAllister Road, Houston, Texas 77092

November 30, 2015

Mr. Bobby Morrison  
Senior Project Manager  
City of League City  
1505 Dickinson Ave.  
League City, Texas 77573

Re: Calder Road Pump Station  
Improvements to Bay Gas, Inc.

Dear Mr. Morrison:

We propose to perform the following improvements to the Bay Gas, Inc. facilities:

**Provide a propane tank storage area and laydown area of approximately 16,000 sf. The area will be stripped of topsoil, trees and debris will be removed and disposed offsite, fill material will be placed in the low areas, subgrade will be compacted, filter fabric will be placed, 8" of crushed concrete will be placed and compacted. The area to the east of this laydown area will be made to drain with swales and fill material.**

**Total \$36,421.00**

**An additional 14 days is required for this work.**

**Assist in moving the propane tanks to the new storage area.**

**Total \$872.00**

**An additional 2 days is required for this work.**

**Move the three storage containers/tool trailers to the north.**

**Total \$374.00**

**An additional 1 day is required for this work.**

**Relocate the access road the north property line and continue the access road to the laydown area. The area will be stripped of topsoil, trees and debris will be removed and**

disposed offsite, subgrade will be compacted, filter fabric will be placed and 8" crushed concrete will be placed and compacted.

Total \$6,146.00

An additional 6 days is required for this work.



**Provide an employee and customer parking area. The area will be stripped of topsoil, subgrade will be compacted, filter fabric will be placed and 8" crushed concrete will be placed and compacted.**

Total \$4,485.00

An additional 4 days is required for this work.

A cost breakdown is attached for your review.

If you require any additional information please contact me.

Sincerely,

CSA CONSTRUCTION, INC.

A handwritten signature in blue ink, appearing to read 'K. H. Schultz', with a horizontal line extending to the right.

Kenneth H. Schultz



### PROPANE TANK STORAGE AREA AND LAYDOWN AREA

ASSIST IN MOVING THE PROPANE TANKS TO THE NEW STORAGE AREA

**MOVE THE THREE STORAGE CONTAINERS/TOOL TRAILERS TO THE NORTH**

**RELOCATE ACCESS ROAD AT THE NORTH PROPERTY LINE AND CONTINUE ACCESS ROAD TO THE LAYDOWN AREA**

**EMPLOYEED & CUSTOMER PARKING AREA**

	Qty	U	Unit L	Labor	Unit M	Taxable Material	Non-Taxable Material	TOTAL
COMPACT SUBGRADE	103	8Y	0.40	07.76	0.38	68.25	0.00	168.00
GRADE FOR PARKING AREA	1,700	8F	0.07	123.50	0.04	70.40	0.00	193.80
FILTER FABRIC	1,760	8F	0.02	35.20	0.00	0.00	158.40	193.60
6" CRUSHED CONCRETE, INSTALL	40	4Y	7.50	300.00	5.00	240.00	0.00	600.00
PURCHASE CRUSHED CONCRETE	00	1H	0.00	0.00	23.40	0.00	2012.40	2012.40
COMPACT CRUSHED CONCRETE	1,760	8F	0.15	264.00	0.10	178.00	0.00	440.00
				<u>070</u>		<u>665</u>	<u>2,171</u>	<u>3,608</u>
						<u>35% LABOR BURDEN</u>		<u>306</u>
							<u>SUBTOTAL</u>	<u>3,900</u>
						<u>15% OHS&amp;P</u>		<u>585</u>
							<u>TOTAL</u>	<u>4,485</u>



# CSA Construction, Inc. / General Contractors



713 / 686-8868  
713 / 686-8889 Fax

2314 McAllister Road, Houston, Texas 77092

April 28, 2017

Mr. Bobby Morrison  
Senior Project Manager  
City of League City  
1505 Dickinson Ave.  
League City, Texas 77573

Re: Calder Road Pump Station  
Proposal For Demolition Of Existing 0.5 MG Ground Storage Tank

Dear Mr. Morrison:

We propose to provide the demolition and its associated work for the existing 0.5 MG GST for the following amount:

GST Demolition \$37,927

This work will include:

Demolition and removal of the 0.5 MG GST, piping, electrical and concrete  
Removal of the 16" WLSB and 16" WLIC piping  
Isolate and blind flange the 16" WLSB and 16" WLIC piping at the 1.5 MG GST  
Relocate the new 12" WLI to the 1.5 MG GST  
Provide 12" riser piping, supports and roof penetration at the 1.5 MG GST  
Provide fill dirt and grade site at the location of the removed GST  
Provide credit for the deletion of 1" airline and one air diffuser plate  
Provide DFS revisions in accordance with Binkley and Barfield meeting memo and DFS quote no. 160616-01-JV

An additional 60 days is required to perform this work.

A cost breakdown is attached for your review. Please contact me if you require any additional information.

Sincerely

CSA CONSTRUCTION, INC.

# CALDER ROAD PUMP STATION IMPROVEMENTS

## DEMOLITION OF EXISTING 0.5 MG GST

	Qty	U	Unit L	Labor	Unit M	Non-Taxable Material	Taxable Material	TOTAL
GST DEMOLITION, CHERRY CO.	1	EA	0	0	12,200	12,200	0	12,200
DEMO 16" INTERCONNECT PIPING	1	EA	440	440	320	320	0	760
BLIND FLANGE 16" LINES w/ SS N&B SETS	2	EA	160	320	418	836	0	1,156
RELOCATE 12" WLI LINE	1	EA	3,610	3,610	3,180	3,180	0	6,790
RELOCATE 12" GST RISER PIPE	1	EA	1,430	1,430	1,072	1,072	0	2,502
FILL/GRADE SITE AT TANK LOCATION	2,290	SF	0.40	916	0.35	802	0	1,718
DELETE MIXING SYSTEM AT GST #2	1	EA	0	0	(2,784)	(2,784)	0	(2,784)
DFS CONTROL CHANGES	1	EA	0	0	8,288	8,288	0	8,288
				6,716		23,914	0	30,630
						35% LABOR BURDEN		2,351
						SUBTOTAL		32,980
						15% OH&P		4,947
						TOTAL		37,927





# CSA Construction, Inc. / General Contractors



713 / 686-8868  
713 / 686-8889 Fax

2314 McAllister Road, Houston, Texas 77092

April 27, 2017

Mr. Bobby Morrison  
Senior Project Manager  
City of League City  
1505 Dickinson Ave.  
League City, Texas 77573

Re: Calder Road Pump Station  
Proposal For Interior and Exterior Painting and Repairs Of Existing GST No. 1

Dear Mr. Morrison:

We propose to provide the interior and exterior painting and tank repairs of the existing GST #1 (1.5 MG) in accordance with the attached scope of work. Tank repairs include replacement of top six feet of the access ladder, addition of a ladder safety climb rail system, repair of the top edge of the overflow box and repair of approximately of eight feet of roof rafter. This proposal does not include the replacement of the cathodic protection system. If a new cathodic system is required please provide specifications or additional direction.

Painting with Tnemec materials and interior repairs: \$243,117

If the overflow box is requested to be replaced instead of repaired please add \$3,180.

An additional 120 days is required to perform this work.

A cost breakdown is attached for your review. Please contact me if you require any additional information.

Sincerely,

CSA CONSTRUCTION, INC.



Kenneth H. Schultz

**CALDER ROAD PUMP STATION IMPROVEMENTS****PAINTING INTERIOR AND EXTERIOR OF GST #1, TNEMEC PAINT**

	Qty	U	Unit L	Labor	Unit M	Non-Taxable Material	Taxable Material	TOTAL
<b>INTERIOR</b>								
INTERIOR GST, TNEMEC / RUSTBUSTERS	1	EA	0	0	123,317	123,317	0	123,317
REPAIR RAFTER, 8 LF	1	EA	200	200	675	675	0	875
OVERFLOW BOX, WEIR EDGE REPAIR	1	EA	400	400	150	150	0	550
REPAIR LADDER, TOP 6 LF	1	EA	150	150	1,100	1,100	0	1,250
LADDER, SAFETY CLIMB RAIL, 30 LF	1	EA	310	310	614	614	0	924
SCAFFOLDING FOR WELDER/FABRICATOR	1	LS	900	900	450	450	0	1,350
<b>EXTERIOR</b>								
EXTERIOR GST, TNEMEC / RUSTBUSTERS	1	EA	0	0	82,454	82,454	0	82,454
				1,960		208,760	0	210,720
						35% LABOR BURDEN		686
						SUBTOTAL		211,406
						15% OH&P		31,711
						TOTAL		243,117