

CHANGE ORDER/C.O. No. 2

PROJECT: Calder Road Improvements Project  
CONTRACT No.: \_\_\_\_\_ PROJECT No.: ST1002

TO: Texas Sterling Construction Co.  
Contractor and 29810 Fernbush Ln  
Address for Written Notice Houston, TX 77073

REFERENCE RFIs/RFPs: RFI 011

## 1.01 DESCRIPTION OF CHANGES

		<u>CONTRACT AMOUNT</u>	<u>CHANGE TIME</u>
<b>ITEM 1 SCOPE:</b>	Relocate approximately 1,900 LF of 4-inch thru 12-inch water distribution line, and appurtenances, from Ervin Street to Big League Dreams.	\$234,661.00	30 Days
<b>JUSTIFICATION:</b>	<p>The City's contractor has performed field verification of the existing 8-inch / 6-inch <b>water distribution line</b> along the east side of Calder Road which is located in the existing roadside ditch. It appears that the water line only has <b>1' to 2' cover</b> in some places, between Ervin Street and Big League Dreams Parkway (1500 LF). The contractor says they need to <b>muck-out the existing ditch 2' to 3' to obtain a firm bottom</b> to start constructing the compacted embankment for the temporary asphalt detour lanes, and future concrete pavement subgrade. In doing so the <b>water line will conflict</b> with the excavation and embankment construction.</p> <p><b>In the original design</b>, it was anticipated that the Texas-New Mexico Power line would be relocated so as to be parallel with and no nearer than 3 feet inside Calder Road's new east right-of-way line. From a constructability and future maintenance standpoint, and in order to maintain clearance from the proposed power poles and overhead lines, the 8-inch water line, if relocated, would need to have a minimum of 4-foot clearance from the proposed poles and overhead power lines. That 4 foot clearance would <b>violate the TCEQ required 9-foot separation</b> between the sewer lines and water lines, thusly we determined to leave the 8-inch in place, under the future pavement, and protect it during construction.</p>		

Subsequent to roadway design being complete, the proposed **location of TNMP's poles was revised** so that it would be approximately 6 feet off of the back of curb, instead of the 3 feet off of the right-of-way line. **This change made it possible to relocate the 8-inch water line** and comply with the TCEQ 9-foot horizontal clearance requirement between parallel public water lines and sewer lines.

In addition to the existing water line conflict, the design plans being prepared for **future Ervin Street and future Calder Road extension south**, includes a 12-inch water line extending south along Calder Road and west along Ervin Street. **Now is the time to construct the 12-inch water line** so the concrete pavement being constructed with the current Calder Road Project does not have to be removed and replaced for the future construction of the 12-inch water line crossing.

(See attachment to this Change Order)

**ITEM 2 SCOPE:** Delete Bid Item 55B Storm Sewer "Option A" at (\$45,000.00)  
STA. 79+68

**JUSTIFICATION:** This item was proposed for the offset of the storm sewer pipe to avoid a conflict with tree roots from a 25" Live Oak tree. This offset cannot feasibly be constructed because the storm sewer would then conflict with the existing 24-inch water distribution line.

**ITEM 3 SCOPE:** Delete Bid Item 68 "Relocate 12-inch Water Line" (\$31,500.00)

**JUSTIFICATION:** This item will be deleted and include in change order  
Item 1 Relocation of Water Line

**ITEM 4 SCOPE:** Delete Bid Item 70 "Relocate 39-inch Water Line"

**JUSTIFICATION:** This item was included in the contract for a possible (\$36,400.00)  
Magnolia Bayou box culvert crossing conflict. Once excavation was completed for the box culverts, the possible conflict with the 39-inch water line was avoided.

**TOTALS:**

\$121,761.00

30 Days

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## 1.02 ACCEPTANCE BY CONTRACTOR

Contractor agrees to perform change(s) included in this Change Order for the price and time indicated.

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Contractor Signature and Title

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Date

## 1.03 ACCEPTANCE BY THE CITY

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Project Manager / Engineer Date

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*Director Public Works* Date

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*Project Manager / League City* Date

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Date

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*[Intermediate Authority, if needed]* Date

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City Manager Date

END OF DOCUMENT

cc: *[City Director of Engineering]*, *[File(s)]*

## EXECUTIVE SUMMARY

C.O. No. 2 Contract No.: \_\_\_\_\_ Proj. No.: ST1002

1.01	CONTRACT PRICE SUMMARY	Dollar Amount	Percent
A.	Original Contract Price	\$7,528,129.70	100.00%
B.	Previous Change Orders	\$129,240.24	1.72%
C.	This Change Order	\$121,761.00	1.62%
D.	Contract Price	<b>\$7,779,130.94</b>	<b>103.33%</b>

Date of Commencement of the Work:

Monday, January 16, 2017

1.02	CONTRACT TIME SUMMARY	Duration	Completion Date
A.	Original Contract Time	530 Days	Friday, June 29, 2018
B.	Previous Change Orders	10 Days	Monday, July 9, 2018
C.	This Change Order	30 Days	
D.	Contract Time	<b>570 Days</b>	<b>Wednesday, August 8, 2018</b>

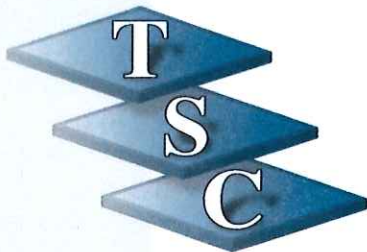
## 1.03 TOTAL VALUE OF INCREASES OUTSIDE OF GENERAL SCOPE OF WORK

- 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	\$129,240.24	1.72 %
2	<b>\$121,761.00</b>	<b>1.62%</b>
<b>TOTALS</b>	<b>\$129,240.24</b>	<b>3.33%</b>

END OF SUMMARY





August 16, 2017

Dannenbaum Engineering Corporation

Ser. Ltr. 1608-2017-09

ATTN: Mr. Wally Elmasri P.E.  
3100 West Alabama  
Houston, TX 77098

Reference:	Project:	Calder Road Improvements (Ervin Rd. to Turner Rd.)
	Owner:	City of League City
	Highway:	Calder Road.
	County:	Galveston

**Subject: Pricing for relocation of Waterline Distribution system on Calder Rd.**

Dear Mr. Elmasri;

Per your request, Texas Sterling Construction Co. ("TSC") is pleased to provide you a proposal for the above referenced project to perform the waterline relocation per the plans received on July 28, 2017.

Please see enclosed bid pricing tabulation for a more detailed breakdown. The accompanying pricing is only for the direct cost of this added scope. TSC will separately present a Time Impact analysis and any Contract Time extension reasonably demonstrated shall be reflected in a separate CO with the associated Extended General Conditions (EGC) costs for reimbursement and TSC's signature and agreement are provided with reservation of right to claim for such contract time and EGCs.

Should you wish to discuss this, please contact me via email at [martin.carranza@strlco.com](mailto:martin.carranza@strlco.com) or by phone at 281-821-9091 (O) or 281-723-2754 (C).

Sincerely,

Martin Carranza, P.E.  
Project Manager

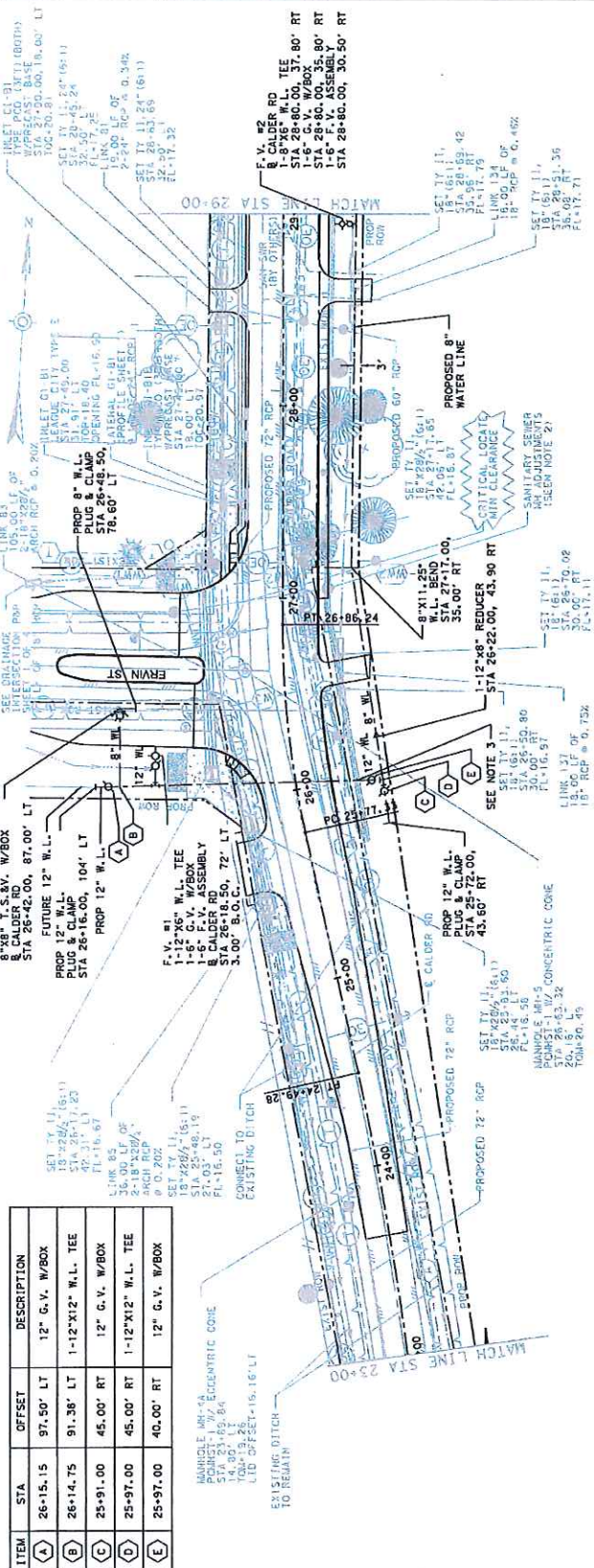
**TEXAS STERLING CONSTRUCTION CO.**

20810 FERNBUSH • HOUSTON, TEXAS 77073 • (281) 821-9091 • FAX (281) 821-2995

BID TAB DEC Job No.					
Water Distribution to Serve Calder Road					
in League City, Texas					
Bid Date: 8/16/17			Time:		
ITEM NO.	DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE	TOTAL
	<b><u>WATER DISTRIBUTION SYSTEM</u></b>				
1	Polyvinyl chloride pipe, AWWA C-900, DR-18, Class 150 waterline, all depths, including trench safety system, complete in place			COLC	
	4-inch diameter	LF	5	\$ 90.00	\$ 450.00
	6-inch diameter (Existing Bid Unit Price)	LF	208	\$ 50.00	\$ 10,400.00
	8-inch diameter (Existing Bid Unit Price)	LF	1,510	\$ 85.00	\$ 128,350.00
	12-inch diameter (Existing Bid Unit Price)	LF	190	\$ 105.00	\$ 19,950.00
2	Flushing valve with 6-inch lead, 6-inch resilient seated gate valve with box, all depths, complete in place, per City of League City	EA	6	\$ 6,500.00	\$ 39,000.00
3	4-inch x 2-inch T.S. & V., complete in place	EA	1	\$ 1,400.00	\$ 1,400.00
	6-inch x 6-inch T.S. & V., complete in place	EA	2	\$ 1,400.00	\$ 2,800.00
	8-inch x 8-inch T.S. & V., complete in place	EA	1	\$ 5,000.00	\$ 5,000.00
4	Resilient seated gate valve, with box, complete in place				
	6-inch diameter	EA	2	\$ 1,350.00	\$ 2,700.00
	8-inch diameter	EA	2	\$ 2,000.00	\$ 4,000.00
	12-inch diameter	EA	4	\$ 4,000.00	\$ 16,000.00
5	Plug no blow off				
	2-inch diameter	EA	1	\$ 75.00	\$ 75.00
	6-inch diameter	EA	1	\$ 110.00	\$ 110.00
	12-inch diameter	EA	2	\$ 300.00	\$ 600.00
6	Trench Safety	LS	1,913	\$ 2.00	\$ 3,826.00
	<b>TOTAL</b>				<b>\$234,661.00</b>



ITEM	STA	OFFSET	DESCRIPTION
(A)	26+15.15	97.50' LT	12" G.V. W/BOX
(B)	26+14.75	91.38' LT	1'-12"X12" W.L. TEE
(C)	25+91.00	45.00' RT	12" G.V. W/BOX
(D)	25+97.00	45.00' RT	1'-12"X12" W.L. TEE
(E)	25+97.00	40.00' RT	12" G.V. W/BOX



NOTES:

1. CONTRACTOR TO MAINTAIN  
9" MIN. HORIZ. CLEARANCE  
2" MIN. VERTICAL CLEARANCE  
BETWEEN PROP 8" WATER LINE  
AND EXIST 30" SAN SEWER.
2. CONTRACTOR TO MAINTAIN  
4" MIN. HORIZ. CLEARANCE  
BETWEEN PROP FIRE HYDRANT &  
O.D. OF EXIST  
30" SAN SEWER.
3. CENTER ONE FULL JOINT OF  
W.L. PIPE ABOVE SAN SEWER.  
CENTER ONE FULL JOINT OF  
SAN SEWER PIPE BELOW W.L.



10/2/2014

**DANNENBAUM**  
ENGINEERING CORPORATION  
"D.B.E. FIRM REGISTRATION #1"

[illegible]

CALDER ROAD FROM ERVIN  
ROAD TO TURNER ROAD

8" WATERLINE  
RELOCATION  
PLAN & PROFILE

STA 23+00 TO STA 29+00

PROJECT NO. 4697-01	CHECKED: WNE
DRAWN: JSR	DATE:
SCALE: 1"=30'	

SHEET NO. 35HS

SHEET NO. SFHS



