

**Request for Construction Change
Change Order No. FINAL**

City of Franklin
Engineering Office
109 Third Avenue South
Franklin, TN 37064

Contract No. 2014-0301
Project Fieldstone Farms Pump Station No. 1
Rehabilitation and Safety Improvements
Projects

Whereas, we **J.S. Haren** entered into a contract with the CITY OF FRANKLIN, on February 24, 2015, for the construction by said Contractor of the above designated contract; and Whereas, certain items of construction encountered are not covered by the original contract, we desire to submit the following additional items of construction to be performed by the Contractor and paid by the City at the prices scheduled therefore below:

Reason for Change Order:

- Final Adjusting Change Order reflecting balance remaining at end of the contract
- Address time increase for completion of project (add 48 calendar days to contact)

Attachments (List documents supporting change):

- Final payment from Contractor
- Final Change Order from Contractor

Work Completed:

Item	Description of Work	Bid Qty & Unit		Unit Price	Final Quantity	Final Value
A	Mobilization and Demobilization	1	LS	\$75,000.00	1	\$75,000.00
B	Pump Station Improvements	1	LS	\$1,362,000.00	1	\$1,362,000.00
C	Influent Channel Grinder Equipment	1	LS	\$95,000.00	1	\$95,000.00
D	Allowance for Electrical Service Improvements	1	LS	\$50,000.00	0.0998	\$4,988.83
E	Allowance for SCADA Integration	1	LS	\$10,000.00	0	\$0
F	Contingency (CO#1)	1	LS	\$100,000.00	0.143	\$29,657.05
G	Raise Wetwell Walls, Valve Vault Walls, Electrical Room Slab (CO#1)	1	LS	\$9,522.00	1	\$9,522.00
TOTAL				\$1,701,522.00		\$1,576,167.88

CHANGE IN CONTRACT PRICE:
Original Contract Price
\$1,592,000.00
Net Increase from previous Change Orders No. 0 to 1:
\$109,522.00
Contract Price prior to this Change Order:
\$1,701,522.00
Net decrease of this Change Order:
(\$125,354.12)
Contract Price with all approved Change Orders:
\$1,576,167.88

CHANGE IN CONTRACT TIMES:
Original Contract Times:
Start Date: 7/21/15
Completion Date: 7/20/16
Contract Times prior to this Change Order:
Start Date: 7/21/15
Completion Date: 7/20/16
Net increase this Change Order:
Final Completion: 48 calendar days
Contract Times with all approved Change Orders:
Final Completion Date: 9/6/16

Now, Therefore, We, J.S. Haren, hereby agree to this Supplemental Agreement consisting of the above mentioned items and prices, and agree that this Supplemental Agreement is hereby made a part of the original contract and will be performed by this Contractor in accordance with specifications thereof, and that the original contract remain in full force and effect, except in so far as specifically modified by this supplemental Agreement.

RECOMMENDED FOR APPROVAL BY:

By: *Kevin P. Mullins*
ENGINEER
DATE: 1/20/17

By: _____
CITY PROJECT MANAGER
DATE: _____

By: _____
WATER DEPARTMENT DIRECTOR
DATE: _____

ACCEPTED:

By: _____
CONTRACTOR
DATE: _____

APPROVED:

By: _____
OWNER (Authorized Signature)
DATE: _____



**MONTHLY INVOICE
PREPARED BY
GARVER, LLC**

PROJECT NAME:	Fieldstone Farms Pump Station	INVOICE NUMBER:	14-FINAL
OWNER:	City of Franklin Water Management Department 124 Lumber Drive Franklin, TN 37064	FROM:	09/01/16
CONTRACTOR:	J.S. Haren 1175 Hwy 11 N Athens, TN 37303	TO:	09/06/16
CONTRACT DATE:	July 21, 2015	GARVER PROJECT NUMBER:	13068060
		CONTRACT COMPLETION DATE:	09/06/16
		DATE WORK BEGAN:	07/21/15
		SUBSTANTIAL COMPLETION:	
CONTRACT AMOUNT:		CONSTRUCTION TIME:	
ORIGINAL:	\$ 1,592,000.00	ALLOTTED:	365 Calendar Days
CHANGE ORDERS:	\$ 109,522.00	SUSPENDED:	48 Calendar Days
REVISED:	\$ 1,701,522.00	USED:	365 Calendar Days
	93% of Contract Amount Used To-date		100% of Contract Time Used To-Date

CERTIFICATION, RECOMMENDATION, & APPROVAL

The undersigned Contractor certifies that: (1) all previous progress payments received from Owner on account of Work done under the Contract referred to above have been applied on account to discharge Contractor's legitimate obligations incurred in connection with the Work covered by all prior Applications for Payment; (2) title of all Work, materials and equipment incorporated into said Work or otherwise listed in or covered by the Application for Payment will pass to Owner at time of payment free and clear of all Liens, security interests and encumbrances (except such as are covered by a Bond acceptable to Owner indemnifying Owner against any such Lien, security interest or encumbrance); (3) all Work covered by this Application for Payment is in accordance with the Contract Documents and not defective; (4) all contract labor standards requirements have been complied with by Contractor and by each subcontractor employing mechanics or laborers at the site of the work; and (5) the quantities shown on the attached Unit Price Schedule reflect the quantities complete at the closing date of this invoice period.

Certified By:
CONTRACTOR: J.S. Haren
 By: *J.S. Haren*
 Date: 1/20/17

Recommended By:
ENGINEER: Garver, LLC
 By: *Kevin D. Mullins*
 Date: 1/20/17

Approval for Payment By:
OWNER: City of Franklin
 Approved By: *Patricia McNeese*
 Date: 1/20/17

Total Amount of Work Done	1,576,167.88
Plus Materials Stored	0.00
TOTAL	1,576,167.88
Less Retainage (5% of Half the Contract Amount)	0.00
Difference	1,576,167.88
Less Previous Payments	1,442,032.28
AMOUNT DUE ON CONTRACT THIS INVOICE	134,135.60

WORK COMPLETED TO-DATE
Fieldstone Farms Pump Station

INVOICE NUMBER: 14-FINAL
TO: 09/06/16

ITEM NUMBER	DESCRIPTION	UNIT	ORIGINAL CONTRACT QUANTITY	UNIT PRICE	REVISED CONTRACT QUANTITY	QUANTITY THIS INVOICE	AMOUNT THIS INVOICE	QUANTITY TO-DATE	AMOUNT TO-DATE
A	MOBILIZATION AND DEMOBILIZATION (NOT TO EXCEED 5% TOTAL BASE BID)	LS	1.0	\$ 75,000.00		0.00	\$ 15,000.00	1.00	\$ 75,000.00
A.1	Mobilization / Demobilization		1.0	\$ 37,500.00		0.40	\$ 15,000.00	1.00	\$ 37,500.00
A.2	Bonds & Insurance		1.0	\$ 37,500.00			\$ -	1.00	\$ 37,500.00
B	PUMP STATION IMPROVEMENTS	LS	1.0	\$ 1,362,000.00	1.0	0.00	\$ 44,560.00	1.00	\$ 1,362,000.00
B.1	Temporary Bypass Tie In to Force Main	LS	1.0	\$ 5,700.00	1.0		\$ -	1.00	\$ 5,700.00
B.2	Temporary Bypass Pumping	Days	5.0	\$ 1,500.00	5.0		\$ -	5.00	\$ 7,500.00
B.3	Preblast Survey	LS	1.0	\$ 12,000.00	1.0		\$ -	1.00	\$ 12,000.00
B.4	Vibration Controls	LS	1.0	\$ 10,000.00	1.0		\$ -	1.00	\$ 10,000.00
B.5	Drill Rock	LS	1.0	\$ 35,000.00	1.0		\$ -	1.00	\$ 35,000.00
B.6	Blasting	LS	1.0	\$ 65,000.00	1.0		\$ -	1.00	\$ 65,000.00
B.7	Excavate WW	LS	1.0	\$ 31,500.00	1.0		\$ -	1.00	\$ 31,500.00
B.8	Pump Groundwater	Month	3.0	\$ 7,500.00	3.0		\$ -	3.00	\$ 22,500.00
B.9	Form and Pour WW Slab	LS	1.0	\$ 89,500.00	1.0		\$ -	1.00	\$ 89,500.00
B.10	Form and Pour WW Walls	LS	1.0	\$ 125,000.00	1.0		\$ -	1.00	\$ 125,000.00
B.11	Pour Invert in WW	LS	1.0	\$ 14,400.00	1.0		\$ -	1.00	\$ 14,400.00
B.12	Form and Pour WW Top	LS	1.0	\$ 63,250.00	1.0		\$ -	1.00	\$ 63,250.00
B.13	Set Influent MH	LS	1.0	\$ 17,500.00	1.0		\$ -	1.00	\$ 17,500.00
B.14	Set Sluice Gate	LS	1.0	\$ 8,620.00	1.0		\$ -	1.00	\$ 8,620.00
B.15	Tie in Influent Pipe	LS	1.0	\$ 14,100.00	1.0		\$ -	1.00	\$ 14,100.00
B.16	Backfill WW	LS	1.0	\$ 27,700.00	1.0		\$ -	1.00	\$ 27,700.00
B.17	Form and Pour Valve Vault Slab	LS	1.0	\$ 40,100.00	1.0		\$ -	1.00	\$ 40,100.00
B.18	Form and Pour Valve Vault Walls	LS	1.0	\$ 47,200.00	1.0		\$ -	1.00	\$ 47,200.00
B.19	Form and Pour Valve Vault Top	LS	1.0	\$ 41,350.00	1.0		\$ -	1.00	\$ 41,350.00
B.20	Flow Meter MH Adj	LS	1.0	\$ 18,000.00	1.0	1.00	\$ 18,000.00	1.00	\$ 18,000.00
B.21	Install Air Relief MH	LS	1.0	\$ 14,500.00	1.0		\$ -	1.00	\$ 14,500.00
B.22	Install Discharge Piping	LS	1.0	\$ 37,800.00	1.0		\$ -	1.00	\$ 37,800.00
B.23	Backfill Valve Vault	LS	1.0	\$ 16,750.00	1.0		\$ -	1.00	\$ 16,750.00
B.24	Excavate and Pour Elec Bld Footing	LS	1.0	\$ 42,000.00	1.0		\$ -	1.00	\$ 42,000.00
B.25	Form and Pour Above Grade Slabe at WW	LS	1.0	\$ 6,650.00	1.0		\$ -	1.00	\$ 6,650.00
B.26	Electrical Bld Walls	LS	1.0	\$ 23,750.00	1.0		\$ -	1.00	\$ 23,750.00
B.27	Electrical Slab	LS	1.0	\$ 8,800.00	1.0		\$ -	1.00	\$ 8,800.00
B.28	Roof with Gutters	LS	1.0	\$ 15,900.00	1.0	0.20	\$ 3,180.00	1.00	\$ 15,900.00
B.29	Electrical	LS	1.0	\$ 135,000.00	1.0	0.01	\$ 1,350.00	1.00	\$ 135,000.00
B.30	Form and Pour Generator Slab	LS	1.0	\$ 4,800.00	1.0		\$ -	1.00	\$ 4,800.00
B.31	Set Pumps Controls & VFD	LS	2.0	\$ 99,000.00	2.0		\$ -	2.00	\$ 198,000.00
B.32	Set Generator	LS	1.0	\$ 76,500.00	1.0		\$ -	1.00	\$ 76,500.00
B.33	Demo Existing Station	LS	1.0	\$ 52,800.00	1.0		\$ -	1.00	\$ 52,800.00
B.34	Demo Existing Fence	LS	1.0	\$ 10,800.00	1.0		\$ -	1.00	\$ 10,800.00
B.35	6" Rock Cover	LS	1.0	\$ 10,530.00	1.0	1.00	\$ 10,530.00	1.00	\$ 10,530.00
B.36	Erect New Fence	LS	1.0	\$ 11,500.00	1.0	1.00	\$ 11,500.00	1.00	\$ 11,500.00
C	INFLUENT CHANNEL GRINDER EQUIPMENT	LS	1.0	\$ 95,000.00	1.0	0.00	\$ -	1.00	\$ 95,000.00
D	ALLOWANCE FOR ELECTRICAL SERVICE IMPROVEMENTS	Allowance	1.0	\$ 50,000.00	0.0998	0.00	\$ -	0.0998	\$ 4,988.83
E	ALLOWANCE FOR SCADA INTEGRATION	Allowance	1.0	\$ 10,000.00	-	0.00	\$ -	0.00	\$ -
F	Contingency (See Change Order #1)	LS	1.0	\$ 100,000.00	0.143	0.30	\$ 29,657.05	0.30	\$ 29,657.05
G	Raise Wetwell Walls, Valve Vault Walls, Electrical Room Slab 12" (See Change Order #1)	LS	1.0	\$ 9,522.00	1.0	0.25	\$ 2,380.50	1.00	\$ 9,522.00
TOTALS				\$ 1,701,522.00			\$ 91,597.55		\$ 1,576,167.88

MATERIALS STORED

INVOICE NUMBER: 14

Company Name	Description of Stored Material	Invoice No.	Unit	Unit Price	Quantity Stored	\$Amount Stored	Quantity Installed	\$Amount Installed	Balance Remaining
JWC	Channel Monster	73718	LS	\$77,000.00	1.00	77,000.00	1.00	77,000.00	0.00
Southern Sales	Pumps	562904	LS	\$48,799.00	1.00	48,799.00	1.00	48,799.00	0.00
C&B Piping	Piping Accessories	36678	LS	\$16,362.27	1.00	16,362.27	1.00	16,362.27	0.00
Gerdau	Rebar	950076109	LS	\$7,826.53	1.00	7,826.53	1.00	7,826.53	0.00
Old Castle Precast	Manholes and Appurtenances		LS	\$5,450.00	1.00	5,450.00	1.00	5,450.00	0.00
C&B Piping	Mechanical Joint Accessories	36493	LS	\$5,464.80	1.00	5,464.80	1.00	5,464.80	0.00
C&B Piping	Piping Accessories	38117	LS	\$3,642.72	1.00	3,642.72	1.00	3,642.72	0.00
C&B Piping	Piping Accessories	36698	LS	\$1,972.80	1.00	1,972.80	1.00	1,972.80	0.00
Bar Environmental	Slide Gate	2071	EA	\$6,500.00	1.00	6,500.00	1.00	6,500.00	0.00
DeZURIK	Valves	61019323	LS	\$5,476.96	1.00	5,476.96	1.00	5,476.96	0.00
DeZURIK	Valves	61019700	LS	\$831.25	1.00	831.25	1.00	831.25	0.00
C&B Piping	Gaskets	36406	LS	\$659.00	1.00	659.00	1.00	659.00	0.00
Gerdau	Rebar	95071625	LS	\$3,164.22	1.00	3,164.22	1.00	3,164.22	0.00
Gerdau	Rebar	95082834	LS	\$553.91	1.00	553.91	1.00	553.91	0.00
Gerdau	Rebar	95039424	LS	\$970.99	1.00	970.99	1.00	970.99	0.00
Gerdau	Rebar	95075789	LS	\$9,020.71	1.00	9,020.71	1.00	9,020.71	0.00
Gerdau	Rebar	95054210	LS	\$959.62	1.00	959.62	1.00	959.62	0.00
Gerdau	Rebar	95075740	LS	\$6,463.29	1.00	6,463.29	1.00	6,463.29	0.00
Gerdau	Rebar	95073426	LS	\$1,751.85	1.00	1,751.85	1.00	1,751.85	0.00
Gerdau	Rebar	95083044	LS	\$206.19	1.00	206.19	1.00	206.19	0.00
Gerdau	Rebar	95053567	LS	\$490.00	1.00	490.00	1.00	490.00	0.00
Halliday Products	Hatches	35753	LS	\$9,046.00	1.00	9,046.00	1.00	9,046.00	0.00
DeZURIK	Valves	61018238	LS	\$5,219.79	1.00	5,219.79	1.00	5,219.79	0.00
Harker Group	Vent Assy	15-063-001	LS	\$2,500.00	1.00	2,500.00	1.00	2,500.00	0.00
Southern Sales	Controls VFDs Process	572886	LS	\$138,750.00	1.00	138,750.00	1.00	138,750.00	0.00
SDH	Doors	96267	LS	\$2,208.95	1.00	2,208.95	1.00	2,208.95	0.00
TOTAL						361,290.85		361,290.85	0.00

Fieldstone Farms Pump Station
 Payment Summary To-date

13068060

Invoice Number	Date	Total Work & Materials For Period	Retainage For Period	Payment Owed For Period
1	09/25/15	\$ 56,250.00	\$ (2,812.50)	\$ 53,437.50
2	09/25/15	\$ 90,559.83	\$ (3,842.50)	\$ 86,717.33
3	10/26/15	\$ 100,994.48	\$ (3,840.00)	\$ 97,154.48
4	11/30/15	\$ 111,464.55	\$ (429.75)	\$ 111,034.80
5	12/31/15	\$ 11,905.00	\$ (595.25)	\$ 11,309.75
6	01/31/16	\$ 107,098.24	\$ (5,665.00)	\$ 101,433.24
7	02/25/16	\$ 48,027.23	\$ (9,129.97)	\$ 38,897.26
8	03/31/16	\$ 85,910.00	\$ (4,295.50)	\$ 81,614.50
9	04/30/16	\$ 196,724.97	\$ (9,836.25)	\$ 186,888.72
10	05/31/16	\$ 207,492.73	\$ (2,091.33)	\$ 205,401.40
11	06/30/16	\$ 194,717.19	\$ -	\$ 194,717.19
12	07/31/16	\$ 176,692.37	\$ -	\$ 176,692.37
13	8/31/2016	\$ 96,733.74	\$ -	\$ 96,733.74

Total To-date for
 Previous Payments \$ 1,484,570.33 \$ (42,538.05) \$ 1,442,032.28

Current Invoice
 14-FINAL 09/06/16 \$ 91,597.55 \$ 42,538.05 \$ 134,135.60

Total To-date
 Including This Invoice \$ 1,576,167.88 \$ - \$ 1,576,167.88

Original Contract Amount \$1,592,000.00
 Change Order No. 1 \$ 109,522.00

Revised Contract Amount \$ 1,701,522.00



www.GarverUSA.com

Construction Contract Change Order

Project: Fieldstone Farms Pump Station No. 1	Change Order No. 2- FINAL
Garver Job No. Design - 13068080; Construction - 14138110	Date Prepared: August 29, 2016 Prepared by: Garver, LLC
Owner: City of Franklin - Engineering Office 109 Third Avenue South Franklin, TN 37601	Contractor: JS Haren Company 1175 Highway 11 North Athens, TN 37303

Description of Work Included in Contract
Installation of a new wastewater pump station including submersible pump installation, valve vault, station piping, electrical components including a stand-by generator, automatic transfer switch, demolition of existing pump station and electrical building, landscaping improvements, and additional site improvements.

- Changes and Reasons Ordered (List individual Changes as: A, B, C, D, etc.)**
- A. Change in quantity from original contract
 - B. Field directive to change or add to original design
 - C. Engineering fees associated with re-design of wet well and electrical building site plan and profiles

Contract Changes	Bid Item No.	Bid Item Description	Unit of Measure	Original Contract Quantity	Contract Unit Price	Revised Estimated Quantity	Revised Unit Price	Original Estimated Cost	Revised Estimated Cost
A.	D	Allowance for Electrical Service Improvements	Allowance	1	\$50,000.00	0.0998	\$50,000.00	\$50,000.00	\$4,988.83
A.	E	Allowance for SCADA Integration	Allowance	1	\$10,000.00	0.000	\$10,000.00	\$10,000.00	\$0.00
A.	F	Contingency from Change Order 1	LS	1	\$100,000.00	0.297	\$100,000.00	\$100,000.00	\$29,857.05
Note: the items listed below (F.1 thru F.5) are individual detailed amounts consolidated into the revised quantity and amount shown in bid item F above.									
B.	F-1	Install additional roof decking for installation of standing seam roof	LS	0		1	\$2,658.49	\$0.00	\$2,658.49
B.	F-2	Install concrete pedestal for VFDs in electrical building	LS	0		1	\$2,442.56	\$0.00	\$2,442.56
B.	F-3	Additional 14' cantilever sliding gate	LS	0		1	\$2,850.00	\$0.00	\$2,850.00
B.	F-4	Conduit Changes for Pump and Instrument Cables	LS	0		1	\$4,235.00	\$0.00	\$4,235.00
B.	F-5	Add HMI Screen to Control Panel	LS	0		1	\$13,695.00	\$0.00	\$13,695.00
B.	F-6	Install Additional Concrete Bollards	LS	0		1	\$1,670.00	\$0.00	\$1,670.00
B.	F-7	Install combination starter disconnect for blower	LS	0		1	\$4,860.00	\$0.00	\$4,860.00
C.	F-8	Allowance for Additional Engineering Fees (re-design)	LS	0		1	(\$2,754.00)	\$0.00	(\$2,754.00)
Summation of Original Cost								\$160,000.00	\$34,845.88
Net Cost for this Change Order								(\$125,354.12)	

Estimated Project Cost		Time Change	
	Estimated Project Cost	Original Contract Start Date	July 21, 2015
Original Contract Amount	\$1,592,000.00	Original Contract Time (calendar days)	365
Change Order No. 1	\$109,522.00	Additional Calendar Days granted by this Change Order	48
This Change Order	(\$125,354.12)	New Contract Time (calendar days)	413
Contract Price with all approved Change Orders	\$1,576,167.88	Suspended Time	
		New Construction Completion Date	September 6, 2016

THIS AGREEMENT IS SUBJECT TO ALL ORIGINAL CONTRACT PROVISIONS AND PREVIOUS CHANGE ORDERS

ISSUED FOR REASONS INDICATED ABOVE	<i>Kevin P. Mullin</i> Engineer's Signature	PROJECT MGR Title	1/25/17 Date
ACCEPTED BY CONTRACTOR	<i>James D. Smith</i> Contractor's Signature	PROJECT MANAGER Title	1/25/17 Date
APPROVED BY OWNER	_____ Owner's Signature	_____ Title	_____ Date