

**Action Requested/Required:**

- ☐ Vote/Action Requested
☒ Discussion or Presentation Only
☐ Public Hearing
Report Date: _____
Hearing Date: _____
Voting Date: _____

Department: Community Development

Presenter(s) & Title: Bethany Watson

City Engineer

Agenda Item Title:

Discussion on Change Order 1 to J.S. Haren Company for Canton WTP Raw Water Intake Improvement Project in the Amount of \$32,509.73.

Summary:

See attached Memo.

Budget Implications:

Budgeted? ☐ Yes ☒ No ☐ N/A

Total Cost of Project: \$ 32,509.73 Check if Estimated ☐

Fund Source: General Fund ☐ Water & Sewer ☒ Sales Tax ☐ Other: _____

Staff Recommendations:

Staff recommends approval of Change Order 1 to J.S. Haren Company for Canton WTP Raw Water Intake Improvement Project in the Amount of \$32,509.73.

Reviews:

Has this been reviewed by Management and Legal Counsel, if required? ☐ Yes ☐ No

Attachments:



Memorandum

To: Mayor and City Council
From: Bethany Watson, P.E., AICP, City Engineer
CC: Billy Peppers, City Manager
Date: February 25, 2025
Re: Canton WTP Raw Water Intake Improvement Project Change Order 1

During the construction of the WTP Raw Water Intake Improvement Project, a number of unforeseen conditions and changes have occurred resulting in 3 items that will require a Change Order for the above mentioned project.

Item 1 – Condition of the Intermediate Floor at the Intake

The intermediate floor slab at the intake is the level where the discharge pipe from the submersible pumps goes from vertical to horizontal. The pipe has check valves, isolation valves, and the pipe header. The original floor has been cut out to accommodate for pipe and exposed some rebar to the elements, which is not ideal. After discussions with a structural engineer, an additional beam is needed to support the piping. This item results in a total of \$28,948.26.

Item 2 – Patch Clearwell Ceiling and Cut Abandoned Pipe

While demolishing the concrete pad near the new high service pumps are to be installed, a hole was exposed into the clearwell. This hole appears to be for a previous additional pump entry into the clearwell. After discussions with a structural engineer, a permanent cover up of the hole was designed. While executing Item 1 listed above, an abandoned pipe was found to be interfering with the beam installation. The pipe will be cut as part of this item. This item results in a total of \$10,174.69.

Item 3 – New Slide Gate

During construction, it was found that a significant amount of silt is in the location of where the new intake pump is to be installed. While H2O innovation will be removing the silt, the pump bay can not be cleaned out until this bay is isolated. A new slide gate will allow H2O to clean out the bay for the pump install and also for future cleanings. This item results in a total of \$28,386.78.

The original contract has an allowance of \$35,000.00, which will be used to cover a portion of the items listed above. The remaining \$32,509.73 will require a Change Order to the original project amount.



CHANGE ORDER

Change Order No. 1

Date of Approval: _____

NAME OF PROJECT: City of Canton
 Canton WTP Raw Water Intake Improvements
 Construction Services

CONTRACTOR: J.S. Haren Company

The following changes are hereby made to the **CONTRACT**:

Description	Cost
Intermediate Pump Room Floor	\$28,948.26
Patch Hole Repair	\$10,174.64
New Slide Gate	\$28,386.78
Owners Allowance	(\$35,000.00)
Total	\$32,509.73

This **CHANGE ORDER** adjusts the **CONTRACT** to its complete value.

Current Contract Price \$2,173,000.00
Cost Change by this Change Order..... \$32,509.73
Contract Price after execution of Change Order \$2,205,509.73

CONTRACT TIME:

Substantial Completion Complete
Final Completion Complete

Change Order No. 1
Canton WTP Raw Water Intake Improvements
Construction Services

TOTAL VALUE OF CHANGE ORDER NO. 1 \$32,509.73

TOTAL REVISED CONTRACT VALUE \$2,205,509.73

This change is recommended by: City of Canton

Signed: _____
Bethany Watson, P.E.

Title: City Engineer

Accepted: J.S. Haren Company

Title: _____

Signed: _____

Approved by: City of Canton

Signed: _____
Bill Grant

Title: Mayor

Approved as to form:

Signed: _____
Robert M. Dyer

Title: City Attorney

J. S. HAREN COMPANY

ATHENS, TN

Sheet No: 1 of 1
Date: 10/22/2024

COR2r1 Reinforcment of Raw Water PS Intermediate Floor

WTP Imp. Raw Water Intake Improvements

Canton, GA

JSH Job# 22-425

Calendar Days to add to Contract: 7 Days Total

Description	Qty	Unit	Material		Labor		TOTAL	Subcontract/ Rent Eq. & Tools	Unit S/C
			Unit	Total	Unit	Total			
Super	6	Day	125	\$750.00	600	\$3,600.00	\$5,850.00	\$1,500.00	250
OTL	6	Day	225	\$1,350.00		\$0.00	\$1,350.00	\$0.00	
Field Measure	1	Day	125	\$125.00	500	\$500.00	\$750.00	\$125.00	125
Crane to Fly in Beams Through Hatch	10	Hrs.	25	\$250.00	40	\$400.00	\$2,450.00	\$1,800.00	180
				\$0.00		\$0.00	\$0.00	\$0.00	
3/4" X 5.5" Anchors	8	EA	25	\$200.00	15	\$120.00	\$416.00	\$96.00	12
Install Brackets	4	EA	225	\$900.00	90	\$360.00	\$1,360.00	\$100.00	25
Install Galvanized I-Beams W10x22	2	EA	1300	\$2,600.00	175	\$350.00	\$3,350.00	\$400.00	200
Galvanizer	800	LBS	0.75	\$600.00		\$0.00	\$600.00	\$0.00	
Freight to & from Galv.	2	Trips	30	\$60.00	125	\$250.00	\$660.00	\$350.00	175
				\$0.00		\$0.00	\$0.00	\$0.00	
				\$0.00		\$0.00	\$0.00	\$0.00	
				\$0.00		\$0.00	\$0.00	\$0.00	
				\$0.00		\$0.00	\$0.00	\$0.00	
Repair Mortar Underneath Ex. Slab	40	SF	12	\$480.00	22	\$880.00	\$1,600.00	\$240.00	6
Dry Pack @ Beam & Slab	16	SF	12	\$192.00	22	\$352.00	\$640.00	\$96.00	6
Scaffolding for Access	1	Job	800	\$800.00	850	\$850.00	\$1,850.00	\$200.00	200
			\$8,307.00		\$7,662.00		\$20,876.00	\$4,907.00	
			(6%) Sales Tax				\$498.42		
			(40%) Labor Tax & Ins				\$3,064.80		
			Freight						
			Contingency						
			Subtotal				\$24,439.22		
			(15%) O & P				\$3,665.88		
			Subtotal				\$28,105.10		
			(3%) Bond				\$843.15		
			Figured Total				\$28,948.26		

ATHENS, TN

COR3 Patch hole from old pump pad to clear well + cut abandoned pipe & cap

Calendar Days to add to Contract: 14 Days Total

Description	Qty	Unit	Material		Labor		TOTAL	Subcontract/ Rent Eq. & Tools	Unit S/C
			Unit	Total	Unit	Total			
Super	4	Day	125	\$500.00	600	\$2,400.00	\$3,900.00	\$1,000.00	250
OTL	4	Day	225	\$900.00		\$0.00	\$900.00	\$0.00	
Form Suspended Slab	4	SF	25	\$100.00	35	\$140.00	\$340.00	\$100.00	25
Supports for Suspended Decking	1	LS	150	\$150.00	120	\$120.00	\$370.00	\$100.00	100
Waterstop	8	LF	10	\$80.00	15	\$120.00	\$224.00	\$24.00	3
Dowel in Rebear & Tie	1	Job	95	\$95.00	120	\$120.00	\$315.00	\$100.00	100
Pour Concrete	4	CF	8	\$32.00	50	\$200.00	\$332.00	\$100.00	25
Cut Abandoned Spray Pipe	1	Job	45	\$45.00	120	\$120.00	\$235.00	\$70.00	70
Dispose Pipe	1	Job	35	\$35.00	50	\$50.00	\$135.00	\$50.00	50
4" Flange Joint Accessories	2	EA	35	\$70.00	20	\$40.00	\$150.00	\$40.00	20
Blind Flange	2	EA	70	\$140.00	20	\$40.00	\$220.00	\$40.00	20
				\$2,147.00		\$3,350.00	\$7,121.00	\$1,624.00	
				(6%) Sales Tax			\$128.82		
				(40%) Labor Tax & Ins			\$1,340.00		
				Freight					
				Contingency					
				Subtotal			\$8,589.82		
				(15%) O & P			\$1,288.47		
				Subtotal			\$9,878.29		
				(3%) Bond			\$296.35		
				Figured Total			\$10,174.64		

J. S. HAREN COMPANY

ATHENS, TN

COR4r1 New Slide Gate

Sheet No: 1 of 1
Date: 1/30/2025

WTP Imp. Raw Water Intake Improvements

Canton, GA

JSH Job# 22-425

Calendar Days to add to Contract: 31 Days Total

Description	Qty	Unit	Material		Labor		TOTAL	Subcontract/ Rent Eq. & Tools	Unit S/C
			Unit	Total	Unit	Total			
Super	5	Day	125	\$625.00	600	\$3,000.00	\$4,875.00	\$1,250.00	250
OTL	5	Day	225	\$1,125.00		\$0.00	\$1,125.00	\$0.00	
Fabricate Drilled Aluminum 0.25"x2.5"x2.5" Angle	2	EA	175	\$350.00	150	\$300.00	\$810.00	\$160.00	80
Fabricate 0.25"x4"x11.5' aluminum plate w/hook	1	LS	1050	\$1,050.00	120	\$120.00	\$1,245.00	\$75.00	75
3/8"x3.5" zinc plated ancor	16	EA	15	\$240.00	10	\$160.00	\$528.00	\$128.00	8
Cut and Remove Pipe	1	Job	45	\$45.00	120	\$120.00	\$235.00	\$70.00	70
Dispose Pipe	1	Job	35	\$35.00	50	\$50.00	\$135.00	\$50.00	50
Ladders	2	EA	300	\$600.00		\$0.00	\$600.00	\$0.00	
Safety Equipment	1	LS	400	\$400.00		\$0.00	\$400.00	\$0.00	
Set Plate	1	Job		\$0.00	600	\$600.00	\$1,600.00	\$1,000.00	1000
Set Angles	2	EA		\$0.00	450	\$900.00	\$1,500.00	\$600.00	300
Shut Downs	2	LS		\$0.00	250	\$500.00	\$700.00	\$200.00	100
Remove & Replace Covers	1	LS		\$0.00	250	\$250.00	\$350.00	\$100.00	100
Remove Plate & Store for Owner	1	Job		\$0.00	250	\$250.00	\$450.00	\$200.00	200
Plant Operation Contingency	1	Day	350	\$350.00	600	\$600.00	\$1,200.00	\$250.00	250
*Super (Contingent on Interference)	3	Days	125	\$375.00	600	\$1,800.00	\$2,925.00	\$750.00	250
*OTL (Contingent on Interference)	3	Days	225	\$675.00		\$0.00	\$675.00	\$0.00	
				\$5,870.00		\$8,650.00	\$19,353.00	\$4,833.00	
			(6%) Sales Tax				\$352.20		
			(40%) Labor Tax & Ins				\$3,460.00		
			Freight				\$800.00		
			Contingency						
			Subtotal				\$23,965.20		
			(15%) O & P				\$3,594.78		
			Subtotal				\$27,559.98		
			(3%) Bond				\$826.80		
			Figured Total				\$28,386.78		