

RESOLUTION 15-122

**A RESOLUTION TO AUTHORIZE CHANGE ORDER NO. 1
FOR THE WASTEWATER TREATMENT PLANT
IMPROVEMENT PROJECT 2014-2015**

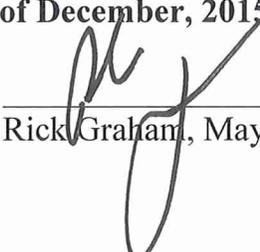
WHEREAS, the Spring Hill Wastewater Treatment Plant upgrade was completed in 2014 and additional items are needed to ensure efficiency of the facility; and

WHEREAS, the Board of Mayor and Aldermen awarded the contract to Cumberland Valley Constructors, Inc. pursuant to Resolution 15-53; and

WHEREAS, Cumberland Valley Constructors, Inc. has submitted a change order in the amount of \$7,961.25 to be added to the original contract amount of \$182,700.00.

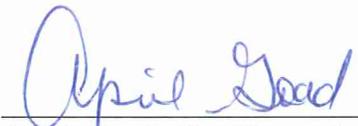
NOW, THEREFORE, BE IT RESOLVED, that the City of Spring Hill, Board of Mayor and Aldermen authorizes Change Order No. 1 for the Wastewater Treatment Plant Improvement Project 2014-2015 in the amount of \$7,961.25.

Passed and adopted by the Board of Mayor and Aldermen of the City of Spring Hill, Tennessee, on the 21st day of December, 2015.



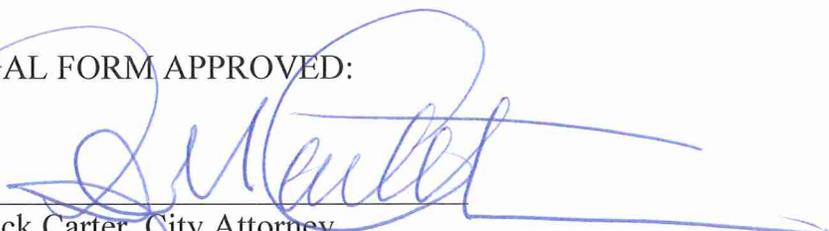
Rick Graham, Mayor

ATTEST:



April Goad, City Recorder

LEGAL FORM APPROVED:



Patrick Carter, City Attorney



DATE: OCTOBER 30, 2015

TO: BOMA

FROM: DAN ALLEN, Infrastructure Director

**RE: Authorize Change Order No. 1 WWTP Improvement Project
(Resolution 15-122)**

OVERVIEW: The WWTP upgrade was completed in 2014 but additional items are needed to ensure the efficiency of the facility.

HIGHLIGHTS:

- This change order request is for the relocation of filter waste connection to RAS line; relocation of the connection to the 6" backwash line; and relocation of the decant line connection due to conflict with the proposed tie in location.

PROJECT/CONTRACT UPDATES:

- This change order is necessary to ensure the efficiency of the plant operations.
- Total cost of change order request is \$7,961.25.
- This is not a budgeted item.

ACTION ITEMS:

- Request that this be completed.

CONCERNS/ISSUES/PROBLEMS:

- None

Respectfully,
Dan Allen, Infrastructure Director

CHANGE ORDER NO. 1

PROJECT: CITY OF SPRING HILL, TENNESSEE
WWTP CIP 2015-2016

CONTRACTOR: Cumberland Valley Constructors
2518 Plum Street
Nashville, TN 37207

DATE: November 4, 2015

DESCRIPTION:

- | | |
|---|--------------------|
| 1. Relocation of filter waste connection to RAS line rather than original 24" influent force main: | \$ 4,196.32 |
| 2. Relocation of the connection to the 6" backwash line due to an line being located on top of the line where the connection had to be made: | \$ 1,869.93 |
| 3. Relocation of the 6" digester decant line connection due to an existing 4" water line being in conflict with the proposed tie in location: | <u>\$ 1,895.00</u> |
| Total: | <u>\$ 7,961.25</u> |

Original Contract Sum: \$182,700.00

Total Revised Contract Amount Including Change Order No. 1: \$190,661.25

This Change Order is not valid until approved by the owner (City of Spring Hill) and signed by Owner, Engineer and Contractor. Signature by the Contractor indicates his agreement herewith, including any adjustment in the Contract Sum.

City of Spring Hill, Tennessee
Owner

Dempsey, Dilling & Associates, P.C.
Engineer

By: _____

By: _____

Date: _____

Date: _____

Cumberland Valley Constructors.
Contractor

By: _____

Date: _____



Cumberland Valley Constructors

Date: 10/14/15
 Project: Spring Hill WWTP CIP 2015-2016 Owner: City of Spring Hill
 Engineer: Dempsey, Dilling & Associates, P.C

Description of Work: CVC completed digging on the 24x8 tie in as shown on the drawings. It was determined by the engineer and owner that this tie in point would not work correctly due to plant operations. A different location was decided on, and included adding a check valve to the line.
Price includes the digging and backfilling of the original location (3.5 days) and 1.5 days for extra pipe locating at the new location.
Paving was also added at the new location that was not needed at the old location. A breakdown of old versus new material costs is included.

Labor Costs

Description	RG Hours	RG Rate	Subtotal	OT Hours	OT Rate	Subtotal	Subsistence	Burden	Subtotal
Project Manager	0.0	\$55.00	\$0.00	0.0	\$82.50	\$0.00	\$0.00	\$0.00	\$0.00
Superintendent	0.0	\$59.50	\$0.00	0.0	\$89.25	\$0.00	\$0.00	\$0.00	\$0.00
Engineering	0.0	\$55.00	\$0.00	0.0	\$82.50	\$0.00	\$0.00	\$0.00	\$0.00
Safety Engineer	0.0	\$30.00	\$0.00	0.0	\$45.00	\$0.00	\$0.00	\$0.00	\$0.00
Foreman	30.0	\$38.75	\$1,162.50	0.0	\$58.13	\$0.00	\$0.00	\$548.38	\$1,708.88
Carpenter	0.0	\$22.00	\$0.00	0.0	\$33.00	\$0.00	\$0.00	\$0.00	\$0.00
Carpenter Apprentice	0.0	\$17.00	\$0.00	0.0	\$25.50	\$0.00	\$0.00	\$0.00	\$0.00
Operator	40.0	\$20.00	\$800.00	0.0	\$30.00	\$0.00	\$0.00	\$376.00	\$1,176.00
Truck Driver	0.0	\$17.00	\$0.00	0.0	\$25.50	\$0.00	\$0.00	\$0.00	\$0.00
Laborer - Skilled	40.0	\$16.50	\$660.00	0.0	\$24.75	\$0.00	\$0.00	\$310.20	\$970.20
Pipefitter	0.0	\$16.50	\$0.00	0.0	\$24.75	\$0.00	\$0.00	\$0.00	\$0.00
Laborer - Non Skilled	0.0	\$15.00	\$0.00	0.0	\$22.50	\$0.00	\$0.00	\$0.00	\$0.00
Labor Cost Subtotal									\$3,855.08

Equipment Costs

Description	Hours	Rate/Hour	Total
Cat 385 / PC800	0.0	\$362.33	\$0.00
Cat 345 / PC400	0.0	\$211.73	\$0.00
Cat 330 / PC300	0.0	\$170.32	\$0.00
Cat 320 / PC200	0.0	\$91.53	\$0.00
Cat 314 / PC138	0.0	\$66.07	\$0.00
Cat 308 / PC88	0.0	\$50.37	\$0.00
Cat 305.5 / PC45	40.0	\$30.06	\$1,202.40
Mini / Midi Hammer	0.0	\$28.23	\$0.00
Variable Reach Forklift	0.0	\$35.46	\$0.00
Volvo 90 loader	0.0	\$65.85	\$0.00
Volvo 70 loader	0.0	\$62.05	\$0.00
Volvo AC 25 truck	0.0	\$105.09	\$0.00
D8 dozer	0.0	\$203.38	\$0.00
D6 dozer	0.0	\$112.14	\$0.00
D3 dozer	0.0	\$54.44	\$0.00
Tri-Axle Dump truck	0.0	\$88.81	\$0.00
Flatbed / Box dump	0.0	\$41.96	\$0.00
Pickup Truck	30.0	\$21.93	\$657.90
Scissor Lift	0.0	\$24.55	\$0.00
Skid Steer Loader	20.0	\$41.73	\$834.60
Boom Man Lift	0.0	\$29.85	\$0.00
Cat 420D Backhoe	0.0	\$44.06	\$0.00
Street Plate	0.0	\$2.50	\$0.00
185 CFM compressor	0.0	\$13.86	\$0.00
ECM 350	0.0	\$68.33	\$0.00
Air Track drill	0.0	\$68.33	\$0.00
Pipe laser	0.0	\$3.00	\$0.00
Total station EDM	0.0	\$4.50	\$0.00
15 Ton Boom Truck	0.0	\$85.62	\$0.00
30-50 Ton RT Crane	0.0	\$176.78	\$0.00
80 T crawler crane	0.0	\$166.25	\$0.00
3" Submersible pump	0.0	\$6.20	\$0.00
6" Hydraulic pump	0.0	\$21.48	\$0.00
Vic Grooving Machine	0.0	\$35.42	\$0.00
Equipment Cost Subtotal			\$2,694.90

Material and Subcontractor Costs

Description	Amount
Paving Added	\$600.00
Difference in materials from original plan	(\$3,501.00)
Material and Subcontractor Cost Subtotal	
(\$2,901.00)	

Miscellaneous Costs

Description	% of Labor	Subtotal
Small Tools and Supplies	10.0%	
Safety Program	10.0%	
Miscellaneous Cost Subtotal		\$0.00

Extra Work Cost Summary

Labor Costs Subtotal	\$3,855.08	
Equipment Costs Subtotal	\$2,694.90	
Materials and Subcontractors Costs Subtotal	(\$2,901.00)	
Miscellaneous Costs Subtotal	\$0.00	
Subtotal		\$3,648.98
Overhead & Profit (15%)	\$547.35	
Total		\$4,196.33

Contract Duration Extension

Extension in Contract time (days)	0
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Materials

Original 24x8	Price	New 10x8	Price	
24x8 Tapping Sleeve	\$7,660.00	10x8 Tapping Sleeve	\$1,770.00	
8" Tapping Valve	\$1,012.50	8" Tapping Valve	\$1,012.50	
(10) 8" Megalugs	\$550.00	(12) 8" Megalugs	\$660.00	
8" Tee	\$105.50	8" Tee	\$105.50	
8" Gate Valve	\$785.00	8" Gate Valve	\$785.00	
(8) Precast Footer Blocks	\$48.00	(12) Precast Footer Blocks	\$72.00	
(6) Precast Valve Box	\$228.00	(9) Precast Valve Box	\$342.00	
(2) JBS Valve Box	\$280.00	(3) JBS Valve Box	\$420.00	
20' 8" Pipe	\$366.00	30' 8" Pipe	\$549.00	
(2) 8" MJ Sleeves	\$205.00	(2) 8" MJ Sleeves	\$205.00	
		8" MJ Check Valve	\$1,818.00	
	\$11,240.00		\$7,739.00	Material Savings
				\$3,501.00

