

# CITY OF HIGH POINT

## AGENDA ITEM



**Title:** Change Order No. 4 - Richland Creek Sewer Outfall Aerial Sewer Pipe Replacement Project, Garney Companies Inc.

**From:** Robby Stone – Public Services Director  
Derrick Boone – Asst. Public Services Director

**Meeting Date:** June 21, 2022

**Public Hearing:** No

**Advertising Date:**  
**Advertised By:** N/A

**Attachments:** Change Order No. 4

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### **PURPOSE:**

To approve Change Order No. 4 to Garney Companies Inc. for additional diesel driven pumps with related piping, fuel, labor, equipment, and overhead outside of the scope of the original contract for the Richland Creek Sewer Outfall Aerial Pipe Replacement Project.

### **BACKGROUND:**

City Council approved the contract for the Richland Creek Sewer Outfall Aerial Sewer Pipe Replacement Project to Garney Companies Inc. on August 16, 2021. The current amount of the contract is \$16,530,470.04. The Richland Creek Sewer Outfall conveys approximately 5 million gallons per day of sewage to the Eastside Wastewater Treatment Plant. The scope of the project is to replace the 16 aerial crossings (totaling approximately 5,600 feet) with new 48-inch diameter spiral-weld steel pipe (WSP).

Change Order No. 4 includes a bypass pumping system to intercept and discharge the landfill leachate into the main Richland Creek bypass piping system. The landfill leachate originates from the Kersey Valley Landfill (old and current). The landfills discharge approximately 6,100 – 6,500 gallons of leachate per day. This leachate bypass pumping system was not included within the original contract documents, plans, or contractor pricing.

### **BUDGET IMPACT:**

Funds for this are available in the FY 2021-2022 budget.

### **RECOMMENDATION / ACTION REQUESTED:**

Public Services is recommending that Council approve Change Order No. 4 to Garney Companies Inc. in the amount of \$123,421.99. This cost includes installation and seven (7) months of rental for the pump-around work. Upon approval of Change Order No. 4, the new contract amount will be increased to \$16,653,892.03.

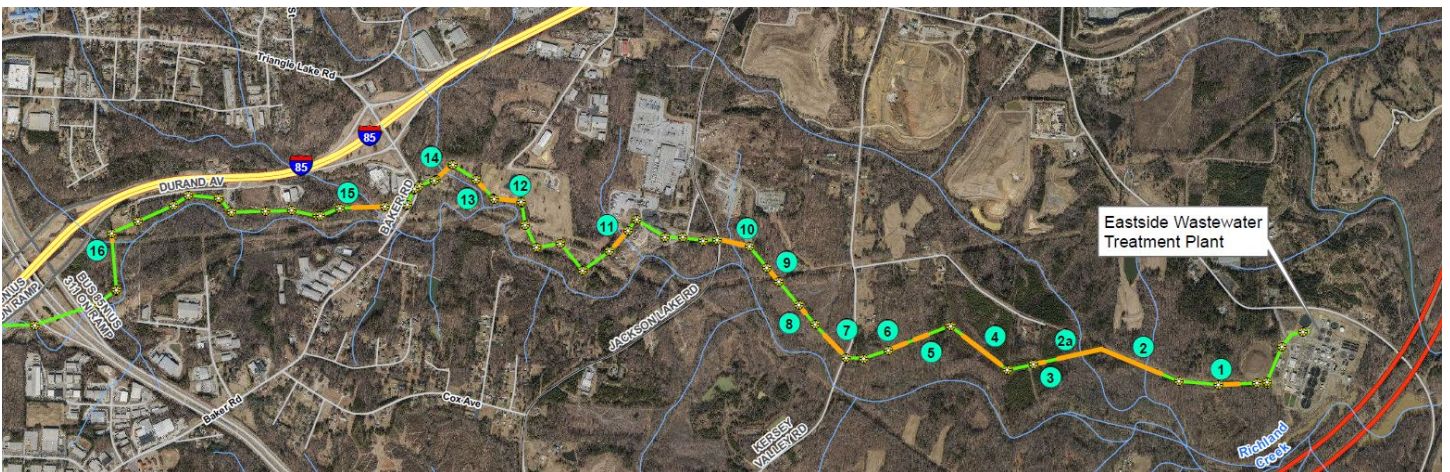




The leachate pumping system will discharge into the 24" Richland Creek bypass (black pipes on ground)



Construction crews are currently installing the 24" Richland Creek bypass piping. The leachate pumps will be similar to the orange pumps as shown above.



The 16 aerial segments of the pipeline.





5400 Glenwood Avenue, Suite 400  
Raleigh, NC 27612  
tel: 919-325-3500

June 7, 2022

Mr. Derrick Boone  
Assistant Public Services Director  
City of High Point  
211 S. Hamilton, Room 206  
High Point, NC 27260

Subject: Richland Creek Aerial Sewer Replacement Project – Additional Bypass for Forcemain Change Order

Dear Mr. Boone:

Within manhole HP26046, located between Aerial Segments 6 and 7, a 4-inch HDPE force main discharge was discovered in the field by Garney Construction that was not located by the project surveyors during design. After discussions with the City of High Point staff, it was determined this force main originated from the Kersey Valley MSW Landfill Leachate Pump Station.

Garney Construction has submitted a proposed in the amount of \$123,421.99 for the additional bypass pumps and piping required to bypass this force main. This change order includes the installation, monthly equipment rental, fuel costs priced at \$6/gallon for seven months, allowable mark-up, and bond and insurance. After reviewing the contents of this proposal, CDM Smith recommends that the City of High Point accept this proposal.

Sincerely,

A handwritten signature in blue ink that reads "Daniel C. Williams".

Daniel Williams  
Construction Manager  
CDM Smith Inc.

cc: J. Lapsley  
M. Pollard



Change Order No. 4

Date of Issuance: June 7, 2022  
Owner: City of High Point  
Contractor: Garney Construction  
Engineer: CDM Smith  
Project: Richland Creek Sewer Outfall – Aerial Sewer Pipe Replacement

Effective Date: June 7, 2022  
Owner's Contract No.: 01-072821  
Contractor's Project No.: 2356  
Engineer's Project No.: 141904-220453  
Contract Name: N/A

The Contract is modified as follows upon execution of this Change Order:

Description: Additional bypass pumps, piping and fuel required required to bypass landfill leachate force main.

Attachments: Garney Construction Invoice No. 4 dated 06/03/2022

CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT TIMES [note changes in Milestones if applicable]
Original Contract Price: \$ <u>16,387,400.00</u>	Original Contract Times: Substantial Completion: <u>August 16, 2023</u> Ready for Final Payment: <u>August 16, 2023</u> days or dates
[Increase] [Decrease] from previously approved Change Orders No.1 to No. <u>3</u> : \$ <u>143,070.04</u>	[Increase] [Decrease] from previously approved Change Orders No. <u>1</u> to No. <u>2</u> : Substantial Completion: <u>0</u> Ready for Final Payment: <u>0</u> days
Contract Price prior to this Change Order: \$ <u>16,530,470.04</u>	Contract Times prior to this Change Order: Substantial Completion: <u>August 16, 2023</u> Ready for Final Payment: <u>August 16, 2023</u> days or dates
[Increase] [Decrease] of this Change Order: \$ <u>123,421.99</u>	[Increase] [Decrease] of this Change Order: Substantial Completion: <u>1</u> Ready for Final Payment: <u>1</u> days
Contract Price incorporating this Change Order: \$ <u>16,653,892.03</u>	Contract Times with all approved Change Orders: Substantial Completion: <u>August 17, 2023</u> Ready for Final Payment: <u>August 17, 2023</u> days or dates

RECOMMENDED:		ACCEPTED:		ACCEPTED:	
By: Daniel C. Williams	By: _____	By: <u>Matthew Jones</u>		By: <u>Matthew Jones</u>	
Engineer (if required)	Owner (Authorized Signature)	Contractor (Authorized Signature)		Contractor (Authorized Signature)	
Title: Construction Manager	Title: _____	Title: <u>Project Manager</u>		Title: <u>Project Manager</u>	
Date: 06/07/2022	Date: _____	Date: <u>6/8/22</u>		Date: <u>6/8/22</u>	

Approved by Funding Agency (if applicable)

By: \_\_\_\_\_ Date: \_\_\_\_\_  
Title: \_\_\_\_\_



## Richland Creek Sewer Outfall Aerial Sewer Pipe Replacement City of High Point

Invoice Number: 4

Date: 6/3/2022

### Description of Change:

Additional bypass pumps and piping needed to handle Landfill Forcemain on Kersey Valley Rd. that was not shown on plans. Price is for initial installation and seven months of rental. Each additional month over 7 would be \$16,520. 7 Months is the estimated time needed for bypass. If Diesel fuel prices exceed \$6.00 per gallon during bypass period CO price will need to be revised.

### Summary of Costs:

Labor:	\$	111.67
Equipment:	\$	250.49
Material:	\$	60,480.00
Allowable Mark-Up:	15% \$	9,126.32
Subtotal:	\$	69,968.49
Subcontractors:	\$	48,909.00
Allowable Mark-Up:	5% \$	2,445.45
Subtotal:	\$	51,354.45
Bond & Insurance:	\$	2,099.05
<b>Total Requested Change:</b>	<b>\$</b>	<b>123,421.99</b>
<b>Total Requested Days:</b>		<b>1</b>



**LABOR DETAIL**

Invoice Number:

**4**

Title	Hourly Rate	0-Jan	27-Feb	10-Mar	16-Mar	Total
Senior Manager	\$ 134.73					\$ -
Project Manager	\$ 109.26					\$ -
Project Engineer	\$ 101.97					\$ -
Superintendent	\$ 149.74					\$ -
Field Engineer	\$ 101.97					\$ -
Field Engineer	\$ 101.97					\$ -
Field Engineer	\$ 101.97					\$ -
Foreman	\$ 70.87					\$ -
Lead Hoe	\$ 65.15					\$ -
Excavator Operator	\$ 60.85	1				\$ 60.85
Loader Operator	\$ 57.04					\$ -
Dozer Operator	\$ 46.07					\$ -
Labor	\$ 50.83	1				\$ 50.83
Pipe Layer	\$ 56.54					\$ -
						\$ -
						\$ -
SUBTOTAL						\$ 111.67



Invoice Number: 4

- | Equipment Description    | Monthly Rate | Weekly Rate | Daily Rate  | Hourly Rate | Operating Cost / Hr | Hours On Site | Days On Site | Weeks On Site | Months On Site | Operating Hours | EXTENDED COST |
|--------------------------|--------------|-------------|-------------|-------------|---------------------|---------------|--------------|---------------|----------------|-----------------|---------------|
| JD 350                   | \$ 16,215.00 | \$ 4,540.00 | \$ 1,135.00 | \$ 170.00   | \$ 76.44            |               |              |               |                |                 | \$ -          |
| 335 CAT Exc              | \$ 16,815.00 | \$ 4,710.00 | \$ 1,180.00 | \$ 180.00   | \$ 70.49            | 1             |              |               |                | 1               | \$ 250.49     |
| JD 333 Skid              | \$ 4,415.00  | \$ 1,235.00 | \$ 310.00   | \$ 47.00    | \$ 16.20            |               |              |               |                |                 | \$ -          |
| 624 John Deere Loader    | \$ 6,190.00  | \$ 1,735.00 | \$ 435.00   | \$ 65.00    | \$ 32.32            |               |              |               |                |                 | \$ -          |
| 310 John Deere Backhoe   | \$ 4,100.00  | \$ 1,150.00 | \$ 290.00   | \$ 44.00    | \$ 19.93            |               |              |               |                |                 | \$ -          |
| 4x4 3/4 ton diesel truck | \$ 1,505.00  | \$ 430.00   | \$ 110.00   | \$ 17.00    | \$ 21.30            |               |              |               |                |                 | \$ -          |
|                          |              |             |             |             |                     |               |              |               | SUBTOTAL       |                 | \$ 250.49     |



**MATERIAL & RENTAL EQUIPMENT DETAIL**

Invoice Number: 4

Vendor	Invoice #	Description of Purchase	Totals
Fuel		48 gallons per day @ \$6 x 30 days a month x 7	\$ 60,480.00
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -
			\$ -

Tax Rate:

<b>SUBTOTAL</b>	<b>\$ 60,480.00</b>
<b>SALES TAX</b>	<b>\$ -</b>
<b>SUBTOTAL</b>	<b>\$ 60,480.00</b>





**SUBCONTRACTOR DETAIL**

Invoice Number: 4

Vendor	Invoice #	Description of Service	Totals
Maintech		4" Pump/pipe rental per month 5294 x 7 months	\$ 37,058.00
		48" plug rental monthly 693 x 7	\$ 4,851.00
Maintech		Installation	\$ 1,750.00
			\$ -
			\$ -
A&W Coatings		Cost for coating sub to remobilize to coat joints sooner than planned to allow 4" pump to go off rent.	\$ 5,250.00
			\$ -
			\$ -
			\$ -
SUBTOTAL			\$ 48,909.00