

CITY OF HIGH POINT

AGENDA ITEM



Title: Change Order No. 8 - 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: July 17, 2023

Public Hearing: No

Advertising Date: June 18, 2021

Advertised By: Purchasing

Attachments: Attachment A, Change Order Number 8
Attachment B, Settlement Agreement

PURPOSE: To approve Change Order No. 8 to Garney Companies Inc. for the Richland Creek Sewer Outfall Aerial Pipe Replacement Project. The change order is for the additional work to correct expansion and contraction of the steel pipe at the manholes by installing reinforced concrete thrust blocking with steel saddles. The Change Order includes related labor, materials, equipment, and overhead outside of the scope of the original contract.

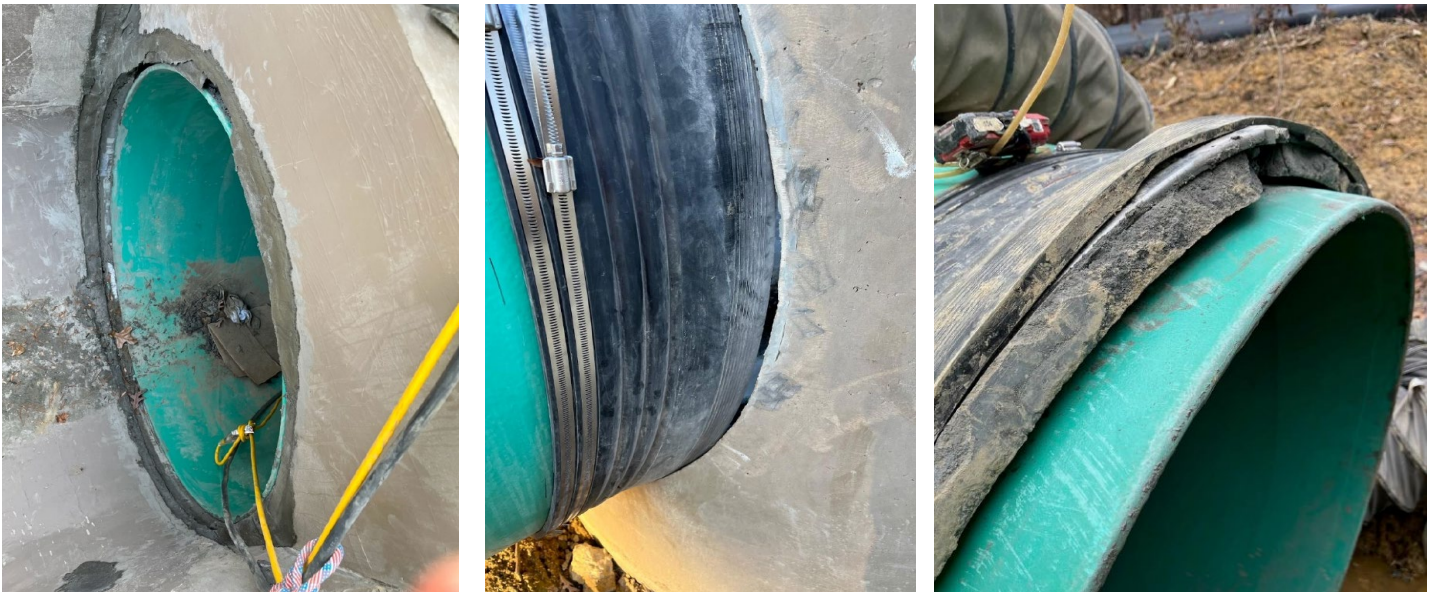
BACKGROUND: City Council approved the contract with Garney Companies Inc. for the Richland Creek Sewer Outfall Aerial Sewer Pipe Replacement Project on August 16, 2021. The current amount of the contract is \$16,953,289.83. The Richland Creek Sewer Outfall conveys approximately 5 million gallons per 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).

This Change Order will incorporate changes to the Richland Creek Sewer Outfall project to correct expansion and contraction issues of steel pipe at the manholes. It is determined that an additional rigid restraint will be required between the expansion joints and manhole at Aerials 1 through 15, totaling 23 locations. Work will include the appropriate lining and coating repairs and subsequent bypass pumping requirements.

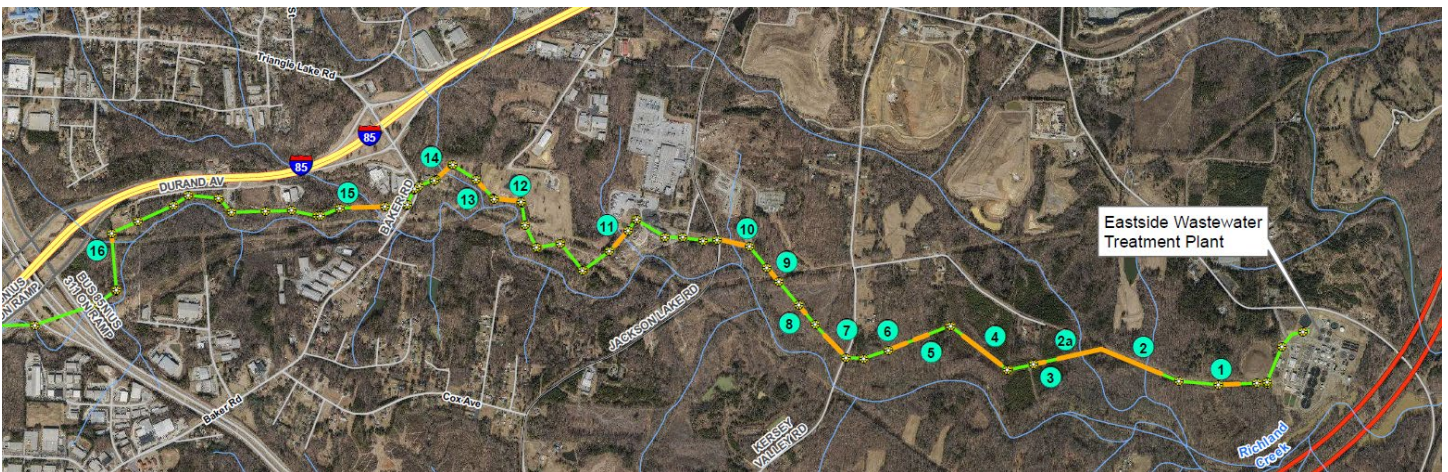
The Change Order amount is \$834,276.74. Staff were able to reduce the Change Order amount by \$256,569.20 through negotiations. The new Change Order amount is \$577,707.54.

BUDGET IMPACT: Funds for this are available in the FY 2023-2024 budget.

RECOMMENDATION / ACTION REQUESTED: Public Services is recommending that Council approve Change Order No. 8 to Garney Companies Inc. in the amount of \$577,707.54, and a 60-day extension to the contract end date. Upon approval of Change Order No. 8, the new total contract amount will be increased to \$17,530,997.37 and the adjusted contract completion date will be December 11, 2023.



Pictures showing the pipe movement inside of the manholes and pull-out damage to the manhole rubber boot.




The 16 aerial segments of the Richland Creek Outfall.
Each aerial has an expansion joint. Some aerials have more than one expansion joint.

Exhibit showing proposed reinforced concrete thrust blocking with steel saddle installation between the expansion coupling and the manhole.



- NOTES:
1. RIGID SADDLE TO BE INSTALLED AT 23 LOCATIONS.
 2. ADDITIONAL BYPASS PUMPING IS INCLUDED IN COST.
 3. ADDITIONAL TIME, LABOR, MATERIAL, AND EQUIPMENT IS INCLUDED IN COST.

	<p>EXHIBIT DRAWING FOR</p> <p>RICHLAND CREEK SEWER AERIAL OUTFALL SEWER PIPE REPLACEMENT</p> <p>CITY OF HIGH POINT, NC</p>	<p>SHEET NO.</p> <p>1</p> <p>OF 1</p>
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5400 Glenwood Avenue, Suite 400
Raleigh, NC 27612
tel: 919-325-3500

February 1, 2023

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 – Repairs & Modifications to Aerials related to Thermal Expansion of Pipe

Dear Mr. Boone:

Due to the recent expansion and contraction issues of steel pipe at the manholes for Aerials 1 through 3, it was determined that an additional rigid restraint will be required between the expansion joints and manhole at Aerials 1 through 15. Due to its short length, Aerial 16 will not require an anchor. At the request of the City of High Point and CDM Smith, Aerials 1 through 15 will receive new reinforced concrete anchors with welded rigid supports attached and welded to the steel pipe. Work will include the appropriate lining and coating repairs and subsequent bypassing requirements.

Garney Construction has submitted a proposal in the amount of \$834,276.74 with a time extension request of 60 days for the changes noted above. 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: M. Pollard
G. Fetterolf

