

# CITY OF HIGH POINT

## AGENDA ITEM



**Title:** Riverdale Pump Station Phase 1 Repairs  
Crowder Construction Company  
Change Order 2

**From:** Terry Houk – Public Services Director  
Derrick Boone – Public Services Asst. Director    **Meeting Date:** May 18, 2020

**Public Hearing:** N/A

**Advertising Date:** N/A

**Advertised By:** N/A

**Attachments:** Attachment A – Change Order Document

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### **PURPOSE:**

To approve Change Order No. 2 to Crowder Construction Company for additional construction materials and work outside of the scope of the original contract.

### **BACKGROUND:**

On July 15, 2019, City Council awarded a contract to Crowder Construction Company for \$3,726,504.00. to construct Phase 1 of the expansion of the Riverdale Lift Station. Phase 1 includes the installation of a 10 MGD submersible pump, construction of additional piping to connect to the existing force main, and the connection of a new generator/electrical equipment to increase the capacity of the station to 30 MGD. This project was declared a pressing need. Change order No. 2 includes additional items required for the lift station and unforeseen conditions encountered.

### **BUDGET IMPACT:**

Funds for this change order are available in the FY 2019-20 budget.

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

Public Services is recommending that Council approve Change Order 2 to Crowder Construction Company in the amount of \$1,501,116.00.



Hazen and Sawyer  
620 Green Valley Road, Suite 101 • Greensboro, NC 27408

May 7, 2020

Mr. Terry Houk  
Public Services Director  
City of High Point  
211 S. Hamilton Street  
High Point, NC 27261

**Re: Change Order #002**

Riverdale Sewer Lift Station Expansion  
City of High Point, North Carolina  
Contractor: Crowder Construction Company  
CHP PO# : 100205  
Hazen No.: 31408-006

Dear Mr. Houk:

The referenced work in the attached documents is outside of the scope of the original contract and warrants additional costs. Please find the enclosed documentation to be considered for a summary Change Order No. 2 amending the referenced contract to expand Riverdale Sewer Lift Station.

|                              |                       |  |
|------------------------------|-----------------------|--|
| Original Contract Value:     | \$3,726,503.00        | Completion Date:<br>M1: August 22, 2019<br>Final: October 21, 2019 |
| Change Order No. 1:          | \$248,884.00          |  |
| <b>Change Order No. 2:</b>   | <b>\$1,501,116.00</b> |  |
| <b>Total Contract Value:</b> | <b>\$5,476,503.00</b> | <b>M1: August 30, 2019</b><br><b>Final: June 30, 2020</b>          |

Please let me know if there are any questions or concerns.

Best Regards,

Aaron D. Babson, PE  
Senior Associate

Enclosure:  
Contractor Backup Information

cc:



## PCO Summary Table

| PCO Description                                   | Type | Budget Extension       | Days Extension |
|---|------|------------------------|----------------|
| PCO #4 – Wet Well Additions                       | LS   | \$ 4,680.97            | 0              |
| PCO #5 – Re-route of Bypass                       | LS   | \$ 131,584.41          | 19             |
| PCO #6 – Electrical Scope Changes                 | LS   | \$ 136,092.73          | 18             |
| PCO #7 – Thrust Blocks                            | LS   | \$ 170,167.00          | 16             |
| PCO #8 – Rock Removal                             | LS   | \$ 427,646.71          | 125            |
| PCO #9 – Select Backfill                          | LS   | \$ 45,954.16           | 0              |
| PCO #10 – SCADA Allowance Exceeded                | T&M  | \$ 22,695.00           | 0              |
| PCO #11 – Demo and Install of concrete Stairs     | LS   | \$ 5,660.47            | 3              |
| PCO #12 – Shoring of VFD Electrical Room Building | LS   | \$ 421,018.27          | 22             |
| PCO #13 – Weather                                 | LS   | \$ 150,238.50          | 13             |
| PCO #14 – Productivity Loss                       | LS   | \$ -                   | 0              |
| PCO #15 – Critical Impact Cost of PCO #01 to #03  | LS   | \$ -                   | 0              |
| PCO #16 - Holidays                                | LS   | \$ 44,765.37           | 5              |
| PCO #17 - Credit for unused funds on PCO #2 and 3 | LS   | \$ (59,387.59)         | 0              |
| <b>Total</b>                                      |      | <b>\$ 1,501,116.00</b> | <b>237</b>     |

## High Point Riverdale Sewer Lift Station Expansion

### Change Order 2 Request – Summary

#### SUMMARY

Crowder Construction Company (Contractor) negotiated agreement with City of High Point (CHP) and Hazen & Sawyer (H&S) on Proposed Change Orders (PCO) #4 through #17 on May 7, 2020. Table 1 Change Order Status below provides a summary of the negotiated amounts.

Table 1 – Change Order Status

| Description                                       | TYPE | Contract Time (Days) | Negotiated Agreement Amount | Change Order    |
|---|------|----------------------|-----------------------------|-----------------|
| PCO #1 – Ductile Iron Pipe                        | LS   | 8                    | \$ 135,488.00               | CO 1 - Approved |
| PCO #2 – Pump Installation Support                | T&M  | 5                    | \$ 86,601.00                | CO 1 - Approved |
| PCO #3 – Concrete for Pressure Hatch              | T&M  | 3                    | \$ 26,795.00                | CO 1 - Approved |
| PCO #4 – Wet Well Additions                       | LS   | 0                    | \$ 4,680.97                 | CO 2 - Proposed |
| PCO #5 – Re-route of Bypass                       | LS   | 19                   | \$ 131,584.41               | CO 2 - Proposed |
| PCO #6 – Electrical Scope Changes                 | LS   | 18                   | \$ 136,092.73               | CO 2 - Proposed |
| PCO #7 – Thrust Blocks                            | LS   | 16                   | \$ 170,167.11               | CO 2 - Proposed |
| PCO #8 – Rock Removal                             | LS   | 141                  | \$ 427,646.60               | CO 2 - Proposed |
| PCO #9 – Select Backfill                          | LS   | 0                    | \$ 45,954.16                | CO 2 - Proposed |
| PCO #10 – SCADA Allowance Exceeded                | T&M  | 0                    | \$ 22,695.00                | CO 2 - Proposed |
| PCO #11 – Demo of Concrete Stairs                 | LS   | 3                    | \$ 5,660.47                 | CO 2 - Proposed |
| PCO #12 – Shoring of VFD Electrical Room Building | LS   | 22                   | \$ 421,018.27               | CO 2 - Proposed |
| PCO #13 – Weather                                 | LS   | 13                   | \$ 150,238.50               | CO 2 - Proposed |
| PCO #14 – Productivity Loss                       | LS   | 0                    | \$ -                        | CO 2 - Proposed |
| PCO #15 – Critical Impact Cost of PCO #01 to #03  | LS   | 0                    | \$ -                        | CO 2 - Proposed |
| PCO #16 - Holidays                                | LS   | 5                    | \$ 44,765.37                | CO 2 - Proposed |
| PCO #17 - Credit for unused funds on PCO#02 & #03 | LS   | 0                    | \$ (59,387.59)              | CO 2 - Proposed |
| <b>Subtotal</b>                                   |      | <b>253</b>           | <b>\$ 1,750,000.00</b>      |                 |

|                                   |                        |                 |
|-----------------------------------|------------------------|-----------------|
| Original Contract Value           | \$ 3,726,503.00        |                 |
| Approved Changes                  | \$ 248,884.00          |                 |
| <b>Pending Changes</b>            | <b>\$ 1,501,116.00</b> | CO 2 - Proposed |
| Total Contract Value with Changes | \$ 5,476,503.00        |                 |
| Final Completion Date (Original)  | 10/21/2019             |                 |
| Approved Days                     | 16                     |                 |
| <b>Pending Days</b>               | <b>237</b>             | CO 2 - Proposed |
| Total Days                        | 253                    |                 |
| Final Completion with Changes     | 6/30/2020              |                 |

Date of Issuance: May 7, 2020  
Owner: City of High Point, NC  
Contractor: Crowder Construction Company  
Engineer: Hazen and Sawyer  
Project: Riverdale Sewer Lift Station Expansion

Effective Date:  
Owner's Contract No.: 100205  
Contractor's Project No.: 51267  
Engineer's Project No.: 31408-006  
Contract Name: Riverdale SLS

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

Description: The Contractor was requested to provide a change of scope to the original contract documents as follows and described in the attached documents.

Attachments: Summary Change Order No. 2

| CHANGE IN CONTRACT PRICE   | CHANGE IN CONTRACT TIMES   |
|--|--|
| Original Contract Price:<br>\$ <u>3,726,503.00</u>                                     | Original Contract Times:<br>Milestone 1 Completion: <u>August 22, 2019</u><br>Milestone 2 Completion: <u>October 21, 2019</u><br>days or dates     |
| Increase from previously approved Change Orders No. <u>1</u> :<br>\$ <u>248,884.00</u> | Increase from previously approved Change Order No. <u>1</u> :<br>Substantial Completion: <u>8 days</u><br>Ready for Final Payment: <u>16 days</u>  |
| Contract Price prior to this Change Order:<br>\$ <u>3,975,387.00</u>                   | Contract Times prior to this Change Order:<br>Substantial Completion: <u>August 30, 2019</u><br>Ready for Final Payment: <u>November 6, 2019</u>   |
| Increase of this Change Order:<br>\$ <u>1,501,116.00</u>                               | Increase of this Change Order:<br>Substantial Completion: <u>0 days</u><br>Ready for Final Payment: <u>237 days</u><br>days or dates               |
| Contract Price incorporating this Change Order:<br>\$ <u>5,476,503.00</u>              | Contract Times with all approved Change Orders:<br>Substantial Completion: <u>August 30, 2019</u><br>Ready for Final Payment: <u>June 30, 2020</u> |

|                                |                              |                                   |                                   |                                   |                                   |
|--------------------------------|------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| RECOMMENDED:                   |                              | ACCEPTED:                         |                                   | ACCEPTED:                         |                                   |
| By: <u>ASDRL</u>               | By: _____                    | By: _____                         | By: _____                         | By: _____                         | By: _____                         |
| Engineer (if required)         | Owner (Authorized Signature) | Contractor (Authorized Signature) | Contractor (Authorized Signature) | Contractor (Authorized Signature) | Contractor (Authorized Signature) |
| Title: <u>SENIOR ASSOCIATE</u> | Title: _____                 | Title: _____                      | Title: _____                      | Title: _____                      | Title: _____                      |
| Date: <u>05-08-20</u>          | Date: _____                  | Date: _____                       | Date: _____                       | Date: <u>05-08-20</u>             | Date: _____                       |

Approved by Funding Agency (if applicable)

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



Hazen and Sawyer  
620 Green Valley Road, Suite 101 • Greensboro, NC 27408