



To:	Lee R. Feldman, City Manager
From:	Paul Berg, Public Works Director
Date:	May 2, 2017
Re:	Change Order No. 2 for Project 12197
Job Description:	P12197 – Fiveash Water Treatment Plant Hydrotreators 3 and 4 Influent Pipe Modifications
Contractor:	RF Environmental Services, Inc.
Amount:	\$93,388.46 and 0 additional calendar days.
Funding:	PBS670101-3437 (P12197.454-6599) - \$93,388.46

Itemized and explained as follows:

- 1. Repair leaks in existing 30" prestressed concrete cylinder pipe (PCCP) at Hydrotreator 3: The existing 30" PCCP on the east side of the valve vault has several significant leaks that were discovered during construction. Provide two (2) each, 30 inch sleeving systems, 10 feet long, utilizing standard EPDM WEKO-SEAL with two (2) type 304 retaining bands, shims, wedges, and lubricant.
- 2. Remove and install new pipe thrust blocks at Hydrotreator 4: These existing thrust blocks were not shown on the plans and were encountered during excavation. In order to replace the influent pipe at Hydrotreator 4, these thrust blocks must be removed and replaced. Once the influent pipe is replaced, new thrust blocks will be cast in place to support the new piping.
- 3. Pressure testing of existing sludge recirculation pipes at Hydrotreator 3 to locate existing leaks: During construction, ground water was unexpectedly found in the excavated trench. Due to the presence of a distinct odor, the groundwater was tested and found to contain chlorine. The chlorine presence suggests that the sludge recirculation piping is leaking. These pipes will be isolated and pressurized individually to find the origin of the leaks, which will be repaired as part of this change order.
- 4. Repair leaks at Hydrotreator 3 sludge recirculation piping.

# (A) DEDUCTIONS

Item No.

TOTAL DEDUCTIONS (\$0.00)



# (B) ADDITIONS

### Item No.

CO 2-1	Repair Leaks in Existing 30" PCCP at Hydrotreator 3	\$ 60,160.31
CO 2-2	Removal and replacement of existing thrust blocks at Hydrotreator 4.	\$ 12,967.37
CO 2-3	Pressure testing of existing sludge recirculation piping at Hydrotreator 3.	\$ 7,380.45
CO 2-4	Repair leaks in sludge recirculation piping at Hydrotreater 3.	\$12,880.33

### TOTAL ADDITIONS \$93,388.46

### ADDITIONAL CONTRACT TIME BEING REQUESTED

### ZERO (0) CALENDAR DAYS

# THE TOTAL AMOUNT OF THIS CHANGE ORDER

This Change Order provides for all costs and schedule adjustments associated with completing the work, including materials, labor, equipment, bond, insurance, overhead, profit, impacts, and any and all related items or associated costs incurred or resulting from the items listed above, and is provided in accordance with Article 13 – Changes in the Work of the Contract.

Approved:

Buckley vironmental Sérvices, Inc.

03/29/17

Recommended by:

Paul A. Bera Public Works Director Date

Approved by:

Lee R. Feldman ICMA-CM, City Manager

cc: Alan Dodd, P.E., Deputy Public Works Director Christopher Bennett, P.E., Assistant City Engineer Scott Teschky, CCM, LEED AP BD+C, Senior Project Manager Financial Administrator **Project File** 

Date

4005-CO-VER03

**PUBLIC WORKS DEPARTMENT** 100 N ANDREWS AVENUE, FORT LAUDERDALE, FLORIDA 33301 TELEPHONE (954) 828-5772, FAX (954) 828- 5074 WWW.FORTLAUDERDALE.GOV

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\$93,388,46

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<u>Change Order No. 2</u> <u>P12197</u> Fiveash Water Treatment Plant Hydrotreators 3 and 4 Influent Pipe Modifications

# All-America City

## **CHANGE ORDER SUMMARY SHEET**

ORIGINAL CONTRACT AMOUNT

COST OF CHANGE ORDERS TO DATE

COST OF THIS CHANGE ORDER

**ORIGINAL CONTRACT TIME** 

TIME ADDED TO DATE

TIME ADDED TO THIS CHANGE ORDER

\$399	004	00
QU77,	070	.00

\$ 10,628.43

\$ 93,388.46

TOTAL: \$503,112.89

330 calendar days

0 calendar days

0 calendar days

TOTAL: 330 calendar days

# SCHEDULE OF CHANGE ORDERS TO DATE

C.O.#	DATE	DESCRIPTION	AMOUNT OF COST OR CREDIT
-1	3/3/17	Pipeline inspection, cleaning, pipe-line	\$10,628.43
		video and inspection report.	

4005-CO-VER03

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