

Contract Change Order # 2

Project Name: <u>Tiger Hill Soldier Pile Retaining wall</u>	Project Number: <u>171703</u>
Project Location: <u>SE Crn of Kenosha and 9th St</u>	Date of Application: <u>Wednesday, May 15, 2019</u>
Contractor: <u>Stronghand LLC.</u>	Submitted By: <u>Chris B.</u>

Summary of Change in Scope of Work

The following scope of work consisting of work location, work description, established quantities, and timeline for completion has been reviewed and agreed upon by the contractor, the origin funding department, and the Engineering and Construction Department.

Change of Work Items Included in this Change Order:

- As reflected in RFI #6 for the Tiger Hill Soldier Pile Wall project, during the drilling operations for the last soldier pile on the far west side of the wall alignment, a natural gas service line was hit during drilling operations. This line was not marked during the one-call operations as it is a service line. This change order proposal by the contractor is to repair the damaged gas line within the drilled shaft hole. The pile was determined to be deleted from the project by the Engineer of Record and the hole backfilled with flow fill, paid out by a separate line item. The below costs constitute a complete in place cost for the repairs.
- 1)

- As reflected in RFI #7 for the Tiger Hill Soldier Pile Wall project, the contractor shall connect the back of wall drainage system into the existing storm drainage piping under ground at both the east and west sides of the retaining wall alignment. This is being performed in lieu of terminating the drainage pipe to the face of the wall as noted in the plans. The below costs summarize a complete in place product and all applicable mark ups are included.
- 2)

- As reflected in RFI #8 for the Tiger Hill Soldier Pile Wall project, the contractor shall encase the drainage pipe with a filter fabric prior to installation of the sand filter section noted within the standard details for the back of wall drainage system. This has been approved by the engineer of record for incorporation into the plans. The below costs summarize a complete in place product and all applicable mark ups are included.
- 3)

Change in Contractual Project Time:

- 1) As specified in the RFI responses for each of the above change order items, a total of (5) calendar days shall be added to the contract.

Plan Sheets or Additional Documents Attached: ☒ Yes ☐ No ☒ Other: RFI #4 & cost proposal

Work Order Quantities

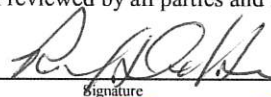
Item#	(Spec)	Item Description	Units	Price	Quantity	Total Amount
CO3-1		Gas Line Repairs	LS	\$ 2,557.50	1	\$ 2,557.50
CO3-2		Drainage System Connections	LS	\$ 2,185.00	1	\$ 2,185.00
CO3-3		Drainage Pipe Filter Fabric	LS	\$ 4,200.00	1	\$ 4,200.00
Total Change Cost:						\$ 8,942.50

**Public Contract
Application for
Contractual Changes**

Summary of Project Costs

Total Previous Change Orders:	\$ 80,625.51	Original Contract Amount:	\$ 1,498,681.24
Current Change Order:	\$ 8,942.50	Amended Contract Amount:	\$ 1,588,249.25
Total Cost of Change Orders:	\$ 89,568.01	Percent Change in Contract:	5.98%
Total Cost Applicable to CBA:	\$ 89,568.01	Percent Change Applicable to CBA:	5.98%

Change Order Authorization

Change Order # <u>2</u> in the sum of: \$ <u>8,942.50</u>	has been reviewed by all parties and is recommended for approval by:	
Contractor Submitting Change Order:		<u>10/29/19</u>
	Name	Signature
Construction Division Manager:	Timothy S Robins, PE	<u>10/30/19</u>
	Name	Signature
Director of Engineering & Construction:	Mike Kyser	<u>10/30/19</u>
	Name	Signature
Assistant City Manager - Operations:	Kenneth D Schwab, PE	<u>10-30-19</u>
	Name	Signature
City Manager:	Michael Spurgeon	
	Name	Signature

This Change is Executed Through:

- ☐ This change to the contract documents is authorized by the City Manager's authority in accordance with the applicable state statutes and COBA Code of Ordinances.
or
☒ This change to the contract documents was approved at the City Council/BAMA meeting held on : Tuesday, November 5, 2019

**AIA****Document G716™ – 2004****Request for Information (RFI)****TO:** Tim Robins**FROM:** Chris Byrne**PROJECT:** Tiger Hill Retaining Wall**ISSUE DATE:** October 14, 2019**RFI No.:** 6**REQUESTED REPLY DATE:** ASAP**PROJECT NUMBERS:** 171703**COPIES TO:** Levi Ethridge
Rocky Deherrera
Lahra Byrne**RFI DESCRIPTION:** *(Fully describe the question or type of information requested.)*

During drilling operations, a pile hole was located directly on top of a gas line. Line was not marked or indicated on any drawings, City of BA and ONG were unaware of line location. Drill bit broke line and caused a gas leak. Stronghand was requested to repair line and directed Cook's Consulting (drilling sub) to repair the line and return it to service. City requested the pile and resulting panel be deleted and for the hole to be filled with CLSM. City department picked up the I-Beam and Arrowhead precast disposed of panel.

REFERENCES/ATTACHMENTS: *(List specific documents researched when seeking the information requested.)***SPECIFICATIONS****DRAWINGS****OTHER**

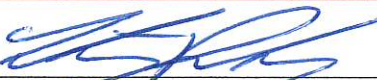
Drawings Sheet 8, Station 10+00 and resultant panel to be deleted, but charged to City of BA. No additional cost impact.

SENDER'S RECOMMENDATION: *(If RFI concerns a site or construction condition, the sender may provide a recommended solution, including cost and/or schedule considerations.)*

Received invoice #1219-85 from Cook's Consulting for \$2,325.00 for repairs (attached)
Recommend raising change order +10% for the repairs and modification to scope of work.
Schedule impact was 4 days.
Total Cost Impact: \$2,557.50

RECEIVER'S REPLY: *(Provide answer to RFI, including cost and/or schedule considerations.)*

The costs proposed above are acceptable by the City of Broken Arrow. The City of Broken Arrow does not agree with the impact of 4 calendar days due to this event and subsequently denies the proposed time. The gas line was hit under normal drilling operations on July 8, a response to delete the pile hole on July 9 and the drill machine moved to the next phase. COBA shall grant (1) one additional calendar day to the contract.

By:  **Date:** 10/23/19 **Copies to:** Project Files

NOTE: This reply is not an authorization to proceed with work involving additional cost, time or both. If any reply requires a change to the Contract Documents, a Change Order, Construction Change Directive or a Minor Change in the work must be executed in accordance with the Contract Documents.

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Request for Information (RFI)

TO: Tim Robins**FROM:** Chris Byrne**PROJECT:** Tiger Hill Retaining Wall**ISSUE DATE:** October 14, 2019**RFI No.:** 7**REQUESTED REPLY DATE:** ASAP**PROJECT NUMBERS:** 171703**COPIES TO:** Levi Ethridge
Rocky Deherrera
Lahra Byrne**RFI DESCRIPTION:** *(Fully describe the question or type of information requested.)*

Contract Drawings have french drain behind soldier pile wall terminating into embankment. City requests Stronghand to modify french drain to tie-in to the existing storm water sewer lines in 2 locations, on the East and West of the wall, respectively.

REFERENCES/ATTACHMENTS: *(List specific documents researched when seeking the information requested.)***SPECIFICATIONS****DRAWINGS****OTHER**

Drawings Sheet 7, drain detail.

SENDER'S RECOMMENDATION: *(If RFI concerns a site or construction condition, the sender may provide a recommended solution, including cost and/or schedule considerations.)*

Crew labor, pipe materials, earthmoving equipment, diesel to expose drain, cut, modify, and tie-in to storm water drain.

Schedule impact was 3 days.

Total Cost Impact: \$2,185.00

RECEIVER'S REPLY: *(Provide answer to RFI, including cost and/or schedule considerations.)*

The above noted costs and schedule impacts are acceptable by the City of Broken Arrow.

By:**Date:**

10/22/19

Copies to:

Project Files

NOTE: This reply is not an authorization to proceed with work involving additional cost, time or both. If any reply requires a change to the Contract Documents, a Change Order, Construction Change Directive or a Minor Change in the work must be executed in accordance with the Contract Documents.

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**AIA®****Document G716™ – 2004*****Request for Information (RFI)*****TO:** Tim Robins**FROM:** Chris Byrne**PROJECT:** Tiger Hill Retaining Wall**ISSUE DATE:** October 14, 2019**RFI No.:** 8**REQUESTED REPLY DATE:** ASAP**PROJECT NUMBERS:** 171703**COPIES TO:** Levi Ethridge
Rocky Deherrera
Lahra Byrne**RFI DESCRIPTION:** *(Fully describe the question or type of information requested.)*

Contract Drawings show french drain perf pipe encased directly with sand without filter fabric. City requests Stronghand to wrap entire length of 8" pipe with filter fabric prior to encasing with sand

REFERENCES/ATTACHMENTS: *(List specific documents researched when seeking the information requested.)***SPECIFICATIONS****DRAWINGS****OTHER**

Drawings Sheet 7, drain detail.

SENDER'S RECOMMENDATION: *(If RFI concerns a site or construction condition, the sender may provide a recommended solution, including cost and/or schedule considerations.)*

2 rolls of filter fabric, 3 crew days of 4 men and equipment.

Schedule impact was 4 days.

Total Cost Impact: \$4,200.00

RECEIVER'S REPLY: *(Provide answer to RFI, including cost and/or schedule considerations.)*

The above noted costs, while COBA feels these are excessive as direct material costs are less than 1/4 the proposed cost, are acceptable and approved. The COBA contends that this operation added 3 days with 4 men constituting 96 man hours to wrap an 8" pipe with fabric. COBA shall agree to amend the contract time by (1) calendar day for this operation.

By:**Date:**

10/22/19

Copies to:

Project Files

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