

## Contract Change Order # 1

Project Name: <u>Fairway Park Detention - Regional Detention Phase II</u>	Project Number: <u>SW0910B</u>
Project Location: <u>61st Street between Lynn Lane and County Line</u>	Date of Application: <u>Tuesday, July 26, 2016</u>
Contractor: <u>Lowry Construction Services, Inc.</u>	Submitted By: <u>Lowry Hutton</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:

- 1) Do not install the Type IV Grouted Rip-Rap along the spill way section on the eastern basin. Remove 925 SY of Type IV Grouted Rip-Rap from the contract documents. Install 925 SY of Type 1 Non-Grouted Rip-Rap with fabric per directions in RFI#3.
- 2) Per RFI#2 attached, reset the storm sewer line and outlet on the southern berm of the eastern basin.

Change in Contractual Project Time:

- 1) No Change in Time
- 2) No Change in Time

Plan Sheets or Additional Documents Attached: ☒ Yes ☐ No ☐ Other: \_\_\_\_\_

### Work Order Quantities

Item#	(Spec)	Item Description	Units	Price	Quantity	Total Amount
8	601(H)	Type IV-Grouted Rip-Rap	SY	\$ 69.56	-925	\$ (64,343.00)
CO1-1	601(H)	Type I-Non-Grouted Rip-Rap w/ Fabric	SY	\$ 58.43	925	\$ 54,052.00
CO1-2	-	Reset Storm Sewer Line and Outlet	LS	\$ 950.00	1	\$ 950.00
Total Change Cost:						\$ (9,341.00)

### Summary of Project Costs

Total Previous Change Orders:	\$ -	Original Contract Amount:	\$ 388,768.89
Current Change Order:	\$ (9,341.00)	Amended Contract Amount:	\$ 379,427.89
Total Cost of Change Orders:	\$ (9,341.00)	Percent Change in Contract:	2.46%
Total Cost Applicable to CBA:	\$ 55,002.00	Percent Change Applicable to CBA:	14.15%

### Change Order Authorization

Change Order # 1 in the sum of:	\$ (9,341.00)	has been reviewed by all parties and is recommended for approval by:
Contractor Submitting Change Order:	_____ Name	_____ Signature
Construction Division Manager:	Timothy S Robins, PE Name	_____ Signature
Director of Engineering & Construction:	Jeff Bigby, PE Name	_____ Signature
Assistant City Manager - Operations:	Kenneth D Schwab, PE 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 : \_\_\_\_\_

# Change Directive

City of Broken Arrow, Oklahoma  
Construction and Engineering Department  
485 North Poplar Avenue, Broken Arrow, OK. 74013-0610



Phone: (918) 259-7000  
Fax: (918) 259-8453

To Lowry Construction Services, Inc.  
1729 S. Boston Ave  
Tulsa, OK 74119

Contract No. SW0910B  
Field Work Order No. 002  
Project Number SW0910B  
Project Name Fairway Park Detention Phase II  
Project Location North side of 61st between 9th St. and 23rd St.

## Basis of Field Work Order

- |  |   |
|--|---|
| <input type="checkbox"/> Error / Omission (A/E)          | <input type="checkbox"/> Differing Site Condition |
| <input type="checkbox"/> Error/ Omission (CM)            | <input type="checkbox"/> Field Resolution         |
| <input checked="" type="checkbox"/> Owner Request (User) | <input type="checkbox"/> Owner Request (Other)    |
| <input type="checkbox"/> Value Engineering               | <input type="checkbox"/> _____                    |

## Contract Price (indicate if zero cost)

Add: \$ \_\_\_\_\_ Deduct: \$ \$10,291.00

## Contract Time

☒ No Change \_\_\_\_\_ Days Added \_\_\_\_\_ Days Deducted

## Cost Basis (check all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Time & Material Not to Exceed | <input checked="" type="checkbox"/> Fixed Price |
| <input type="checkbox"/> Allowance (described below)   | <input type="checkbox"/> Unit Price             |

Your company is authorized and directed to proceed with the following (attach additional sheets if needed):

Replace the 925 SY of grouted rip-rap along the eastern basin with un-grouted rip-rap 18" thick, per ODOT spec 703.02a, Type 1, with filter blanket - non-woven fabric, ie. US 205NW.

See attached Proposed Change Summary.

## Justification

Response to RFI #3.

**Equivelant Unit Cost= \$58.43459:**

$(925SY \times \$69.56) - \$10,291 \text{ (deduct per RFI \#3)} = \$54,052 \text{ (Revised Cost)} / 925SY = \$58.43459 \text{ per SY}$

Special Notice: This Field Work Order identifies satisfaction of all compensation and time adjustments related to this change to the Work.

## Construction Manager Recommendation

Name Timothy Robins, PE

Signature \_\_\_\_\_ Date \_\_\_\_\_

## Contractor Concurrence

Name Hutton Lowry

Signature  Date 07/12/2016

## A/E Recommendation

Name \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_

## Engineering & Construction Director Approval

Name Doug Tiffany, PE

Signature \_\_\_\_\_ Date \_\_\_\_\_

Contractor proposal for adjustments in contract sum, contract time, or both, are to be submitted within 14 days of the municipal approval of the Field Work Order. Maximum amount for any one Field Work Order shall conform to the municipal guidelines and project specifications. Proposals must conform to Change Order Procedures and Pricing Guidelines.

## PROPOSED CHANGE SUMMARY

Estimated By: Hutton Lowry      Date: 7/12/2016      RFCO #: 002      Contract Days: 90

				(0, 0, 0)	(0, 0, 0)	(0, 0, 0)	(0, 0, 0)
	Material	Labor	General Conditions	Subcontractor			
Overhead:					\$ -	\$ -	\$ -
Fee:					\$ -	\$ -	\$ -
					\$ (297.06)	\$ (189.04)	\$ (1.26)
					\$ (487.37)		
Working Days:	0.0000	Calendar Days:	0				Total: \$ (10,234.71)
		Builder's Risk:	0.199%				Performance Bond: \$ (56.29)
		OCF Insurance:	0.091%				
		Performance Bond (0, 1s, 2p):	5.5				
					<b>PROPOSED CHANGE TOTAL:</b>		\$ (10,291.00)

Project Name: Fairway Park Detention Phase II  
Project Location: North Side of 61<sup>st</sup> between 9<sup>th</sup> St. and 23<sup>rd</sup> St.  
Prime Contractor: Lowry Construction Services, Inc.

Project Number: SW0910B  
Contract Number: SW0910B  
Date: 06/01/2016

**REQUEST FOR INFORMATION NO. #003**

**FROM:**

**Name:** Hutton Lowry **Title:** President **Company:** Lowry Construction Services, Inc.

**Contact Information:** [hutton@lowrycs.com](mailto:hutton@lowrycs.com)

**Subject:** Type IV-Grouted Riprap

**Specification:**

**Question:**

Please provide Specification #601(H) regarding Type IV-Grouted Riprap, indicated on the Pay Quantities table (Sheet 2 of 5).

Please provide dimensional cross-section for the Grouted Riprap details shown on Sheet 5 of 5.

Please clarify quantity of Grouted Riprap. Conflicting quantities appear on Pay Quantities #8 and Pay Item Notes #12, both on Sheet 2 of 5.

**Proposed Resolution:**

Estimated Cost Impact: Unknown

Estimated Schedule Impact: Unknown

**REPLY TO CONTRACTOR:**

**DATE ANSWERED:**

See attached response page.

*Per the Contract General Conditions, the Contractor shall not proceed with additive or deductive work which has change order implications as a result of this RFI without prior written approval from the City of Broken Arrow.*

**Construction Manager Recommendation**

**Contractor Concurrence**

Name Timothy Robins, PE

Name \_\_\_\_\_

Timothy Robins

7-4-16

Signature

Date

Signature

Date

**Fairway Parks Detention RFI #3 Response:**

Per Pre-construction meeting notes, please provide pricing to replace the 925 SY of grouted rip-rap along the eastern basin with un-grouted rip-rap 18 inches thick per ODOT spec 703.02a, Type 1, with filter blanket - non-woven fabric, ie. US 205NW being an acceptable ODOT fabric. The toe in depth shall be the depth of the rock, see attached figure below. Pricing shall be LS and an itemized cost breakdown shall be included. The existing line item shall be undererran and a reconcile change order shall be processed at conclusion of the project.

The remaining 1,850 SY of grouted rip-rap shall be 12" thickness, without filter blanket, using ODOT spec. 713.02 a3, stone for grouted rip-rap, Type IV. The toe in depth shall be the depth of the rock, see attached figure below.

In clarifying the quantities units issues as requested, the rip-rap shall be paid per SY installed.

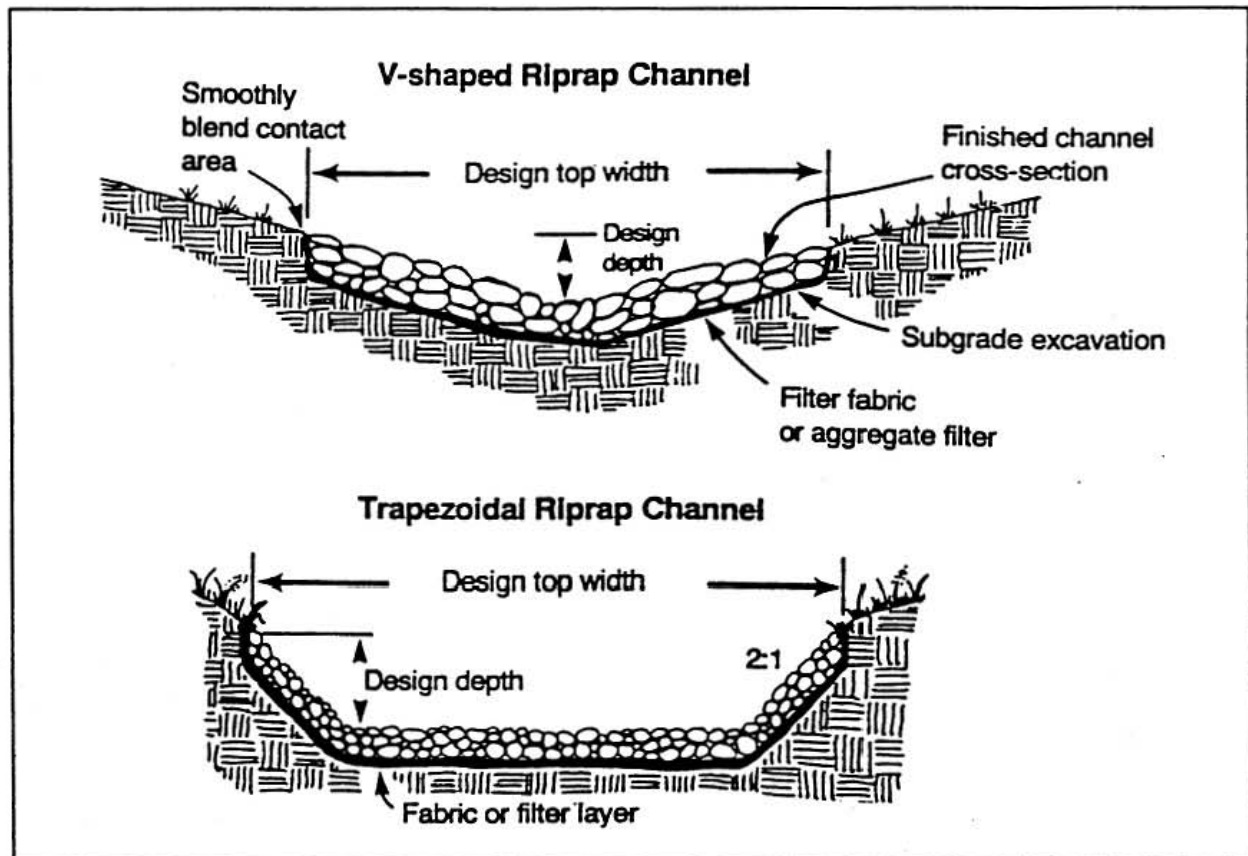


Figure 6. Typical riprap-lined channel cross-sections. (Source: Ref. 1)



# Change Directive

City of Broken Arrow, Oklahoma  
Construction and Engineering Department  
485 North Poplar Avenue, Broken Arrow, OK. 74013-0610



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Fax: (918) 259-8453

To Lowry Construction Services, Inc.  
1729 S. Boston Ave  
Tulsa, OK 74119

Contract No. SW0910B  
Field Work Order No. 001  
Project Number SW0910B  
Project Name Fairway Park Detention Phase II  
Project Location North side of 61st between 9th St. and 23rd St.

## Basis of Field Work Order

- |  |   |
|--|---|
| <input type="checkbox"/> Error / Omission (A/E)          | <input type="checkbox"/> Differing Site Condition |
| <input type="checkbox"/> Error/ Omission (CM)            | <input type="checkbox"/> Field Resolution         |
| <input checked="" type="checkbox"/> Owner Request (User) | <input type="checkbox"/> Owner Request (Other)    |
| <input type="checkbox"/> Value Engineering               | <input type="checkbox"/>                          |

## Contract Price (indicate if zero cost)

Add: \$ \$950.00 Deduct: \$

## Contract Time

☒ No Change \_\_\_\_ Days Added \_\_\_\_ Days Deducted

## Cost Basis (check all that apply)

- |  |   |
|--|---|
| <input type="checkbox"/> Time & Material Not to Exceed | <input checked="" type="checkbox"/> Fixed Price |
| <input type="checkbox"/> Allowance (described below)   | <input type="checkbox"/> Unit Price             |

Your company is authorized and directed to proceed with the following (attach additional sheets if needed):

Re-set the existing storm sewer line (western pipe only), backfill, and regrade washout.  
Alignment and final grading to be addressed by the on-site contract administrator.

## Justification

Response to RFI #1.

Special Notice: This Field Work Order identifies satisfaction of all compensation and time adjustments related to this change to the Work.

## Construction Manager Recommendation

Name Timothy Robins, PE

Signature \_\_\_\_\_ Date \_\_\_\_\_

## Contractor Concurrence

Name Hutton Lowry

Signature \_\_\_\_\_ Date 06/28/2016

## A/E Recommendation

Name \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_

## Engineering & Construction Director Approval

Name Doug Tiffany, PE

Signature \_\_\_\_\_ Date \_\_\_\_\_

Contractor proposal for adjustments in contract sum, contract time, or both, are to be submitted within 14 days of the municipal approval of the Field Work Order. Maximum amount for any one Field Work Order shall conform to the municipal guidelines and project specifications. Proposals must conform to Change Order Procedures and Pricing Guidelines.

Project Name: Fairway Park Detention Phase II  
Project Location: North Side of 61<sup>st</sup> between 9<sup>th</sup> St. and 23<sup>rd</sup> St.  
Prime Contractor: Lowry Construction Services, Inc.

Project Number: SW0910B  
Contract Number: SW0910B  
Date: 06/01/2016

**REQUEST FOR INFORMATION NO. #002**

**FROM:**

**Name:** Hutton Lowry      **Title:** President      **Company:** Lowry Construction Services, Inc.

**Contact Information:** [hutton@lowrycs.com](mailto:hutton@lowrycs.com)

**Subject:** Control Points

**Specification:**

**Question:**

Please provide horizontal and vertical control points.

**Proposed Resolution:**

Estimated Cost Impact: Unknown

Estimated Schedule Impact: Unknown

**REPLY TO CONTRACTOR:**

**DATE ANSWERED:**

Per photo attached, the existing storm pipe appears in acceptable condition and does not warrant replacement. Please provide an appropriate Change Proposal to re-set the existing storm sewer line (western pipe only), backfill, and regrade washout for work beyond original scope. Directives for alignment and final grading to be addressed by the on-site contract administrator.

*Per the Contract General Conditions, the Contractor shall not proceed with additive or deductive work which has change order implications as a result of this RFI without prior written approval from the City of Broken Arrow.*

**Construction Manager Recommendation**

**Contractor Concurrence**

Name Timothy Robins, PE

Name \_\_\_\_\_

Signature 

Date 6/17/16

Signature \_\_\_\_\_

Date \_\_\_\_\_



