



To: Mayor and City Council

Cc: Gregg Mandsager, City Administrator
Brian Stineman, Public Works Director

From: Kristy Korpi, Solid Waste Manager

Date: Wednesday, August 30, 2017

Re: Request for approval of Change Order #1 for Landfill Cell #5 Construction

Introduction: Construction on Cell #5 is underway. The Cell #5 Construction area abuts Phase #4 on the south side of Cell #5. The boundary where the two meet was reviewed by Barker Lemar, Rittmer and a representative from the DNR. It was determined that the previous Phase #4 construction either did not include a geogrid or greater than 5 feet of soil placed below the liner in the areas where old waste was placed. Based on Barker Lemar's review of documents, it was assumed that there was adequate soil placed below the Phase #4 liner to accommodate stability should settlement of waste below occur if geogrid was not used. However, in the areas exposed, waste was encountered approximately 3 feet below the liner. Based on this finding, Barker Lemar recommends installing geogrid in the Phase #4 repair area. This will make the repair area consistent with Cell # 5 construction.

Recommendation: Staff recommends we proceed with Barker Lemar's recommendation to repair the Phase #4 area affected. The description from the Change Order follows "Contractor shall purchase and install additional geogrid (Bid Item No. 15 and 16) in the Phase 4 repair area due to discovery and uncovering of underlying waste in this area. The installed geogrid locations shall be surveyed by the Contractor and coordinates provided to the engineer to document the new bid quantities, which will be paid per the original contract unit prices of \$0.20 per square foot for Bid Item no. 15 and \$0.55 per square foot for Bid Item No. 16."

Barker Lemar estimates this repair will not exceed \$8181.00. This estimate is the worst case scenario based on the square footage x \$0.75 (\$0.20 + \$0.55) x 10908 square feet.

Change Order

No. 1

Date of Issuance: August 23, 2017

Effective Date: August 23, 2017

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|--|--|-------------------------------------|
| Project: Phase 5 Cell and Lagoon Construction | Owner: Muscatine County Sanitary Landfill | Owner's Contract No.: |
| Contract: Phase 5 Cell and Lagoon Construction | | Date of Contract: July 9, 2017 |
| Contractor: Rittmer, Inc. | | Engineer's Project No.: MCSWA.17007 |

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

Description:

Contractor shall purchase and install additional geogrid (Bid Item No. 15 and 16) in the Phase 4 repair area due to discovery and uncovering of underlying waste in this area. The installed geogrid locations shall be surveyed by the Contractor and coordinates provided to the engineer to document the new bid quantities, which will be paid per the original contract unit prices of \$0.20 per square foot for Bid Item No. 15 and \$0.55 per square foot for Bid Item No. 16.

Attachments (list documents supporting change):

Rittmer, Inc. bid documentation

CHANGE IN CONTRACT PRICE:

Original Contract Price:

\$ 622,608

Increase from previously approved Change Orders:

\$ 0

Contract Price prior to this Change Order:

\$ 622,608

Increase this Change Order:

Dependent on Actual Quantity Installed

Contract Price incorporating this Change Order:

Dependent on Actual Quantity Installed

CHANGE IN CONTRACT TIMES:

Original Contract Times: Working days Calendar days
Substantial completion (working days): 60

Increase from previously approved Change Orders:

Substantial completion (working days): Not Applicable

Contract Times prior to this Change Order:

Substantial completion (working days): 60

Increase of this Change Order:

Substantial completion (working days): 0

Contract Times with all approved Change Orders:

Substantial completion (working days): 60

RECOMMENDED:

By: [Signature]
Engineer (Authorized Signature)

Date: 8-23-17

Approved by Funding Agency (if applicable):

ACCEPTED:

By: [Signature]
Owner (Authorized Signature)

Date: 8-7-17

ACCEPTED:

By: [Signature]
Contractor (Authorized Signature)

Date: 9-18-17

Date: _____

Change Order

Instructions

A. GENERAL INFORMATION

This document was developed to provide a uniform format for handling contract changes that affect Contract Price or Contract Times. Changes that have been initiated by a Work Change Directive must be incorporated into a subsequent Change Order if they affect Price or Times.

Changes that affect Contract Price or Contract Times should be promptly covered by a Change Order. The practice of accumulating Change Orders to reduce the administrative burden may lead to unnecessary disputes.

If Milestones have been listed in the Agreement, any effect of a Change Order thereon should be addressed.

For supplemental instructions and minor changes not involving a change in the Contract Price or Contract Times, a Field Order should be used.

B. COMPLETING THE CHANGE ORDER FORM

Engineer normally initiates the form, including a description of the changes involved and attachments based upon documents and proposals submitted by Contractor, or requests from Owner, or both.

Once Engineer has completed and signed the form, all copies should be sent to Owner or Contractor for approval, depending on whether the Change Order is a true order to the Contractor or the formalization of a negotiated agreement for a previously performed change. After approval by one contracting party, all copies should be sent to the other party for approval. Engineer should make distribution of executed copies after approval by both parties.

If a change only applies to price or to times, cross out the part of the tabulation that does not apply.