

Contract Name: CIPP Rehab of Sanitary and Storm Sewers 2013 - East Side

Date: 4/4/2014

Change Order No.: GO 1

Contract No.: 7203

Project No.: 53W1645

Change Order Project No.: 53W1645

Change Order Description: Delete all contract work due to lining testing procedure (Water Tightness)

Account Numbers for this Change Order:
 ES01-58275 810503 00 53W1645
 ESTM-58270 810381 00 53W1645

Contractor: TERRA ENGINEERING & CONSTRUCTION CORP
 2201 VONDRON RD
 MADISON, WI 53718-6795

You are authorized and directed to make the following changes in this contract:

Item No.	Description	Est. Qty	Unit	Unit Price	*N/B	Total
1	DELETE ALL CONTRACT WORK	1.00	L.S	(498,227.50)	B	(498,227.50)
2	Terra hereby agrees to stop all work on the contract, to terminate the contract and that no compensation shall be due to Terra for termination of the contract.	1.00	L.S	0.00	N	0.00
						0.00
						0.00
						0.00
						0.00
						(498,227.50)

Net Change Order: (498,227.50)
 The Original Contract Total: 498,227.50
 Sum of previous Change Orders:
 The new Contract Sum including this Change Order will be: 0.00

This Contract is a:	<input checked="" type="checkbox"/> Calendar Days	<input type="checkbox"/> Working Days	<input type="checkbox"/> Completion Date
Original Contract Time/Completion Date	365		February 14, 2016
Net Change in Contract Time by previous change order			
Contract Time/Completion Date prior to this change order			
Additional day(s) as a result of this Change Order	-355		
Contract time/completion date as a result of this change order	10		February 24, 2014

* Mark if negotiated (N) or bid (B) unit price

Contractor's Acceptance
 By: [Signature]
 Title: CIPP Project Manager
 Date: 4/7/14

City's Approval (see reverse side for instructions)

Construction Inspector: _____
 Construction Supervisor: _____
 Engineer: [Signature] 4/4/14
 Board of Public Works: _____ 4/15/14

ROUTING:
 Marsha Hacker: 4/8/14 MAM
 Mike Dailey: 4/8/14 MKD
 Chase O'Brien: 4-9-14 COB

City of Madison
Department of Public Works

Change Order to Public Works Contract Justification and Assessment

Contract # 7203
Project Name: CIPP Rehab of Sanitary Sewers 2013 - East Side
Change Order No. 1

Type of Change Order (check all that apply):

Street Sewer-Sanitary Sewer-Storm Water Electrical

Change Order General Description (check all that apply):

- Actual vs. Estimated Quantities differ.
- Missing Bid Item or Additional Bid Item needed.
- Field Decision (Expanded Scope).
- Differing site conditions.
- Design did not adequately anticipate field conditions.
- Underground conflicts (utility revision)
- Other: Problem with liner testing procedure

Time Extension: No Yes (explanation): _____

Inspector Comment: Description of Change Order and Suggestions to Avoid Future Change Orders of This Type:

This lining contract included a new water tightness specification/ testing procedure that was added in the interest of providing a better lining product. There is problem with the City contract with the description testing procedure. The description of the APS Water Tightness procedure in the special provisions did not include the removal of the polyurethane or polyethylene layer before the water tightness test is administered to the sample. The APS Water Tightness specification exceeds the ASTM 1216 standard for heat cured liners and is typically associated with UV cured fiberglass mat liners. To pass the APS Water Tightness Test no water is allowed to pass through the resin impregnated felt liner while the ASTM 1216 standard specifies that "...exfiltration for any length of pipe between termination points should not exceed 50 U.S. gallons per inch of internal pipe diameter per mile per day..."

Designer Comment: Suggestions to Avoid Future Change Orders of This Type:

Make sure all testing procedural language in contract is in conformance with ASTM standard.

Submitted by: Marc Valad Date: 2/11/14

Reviewed by: [Signature] Date: 4/1/14

Designer: Marc Valad Date: 4/1/14

Designer's Section Head: [Signature] Date: 4/1/14

City Engineer: _____



February 24, 2014

City of Madison Engineering
210 Martin Luther King Jr. Blvd., Rm 115
Madison, WI 53703

Attn: Robert Phillips
City Engineer

Re: CIPP Rehab of Sanitary Sewer & Storm
Sewers 2013 East Side
Contract No 2703

Subject: Contract Cancellation

Dear Mr. Phillips:

In light of our discussions regarding my letter of 2/18/14 regarding the inconsistencies of the specification for lining and testing, I would be in agreement with the City to cancel the current contract with no argument from either party. Terra would not pursue any claim nor would the City against each other for the cancellation.

Sincerely,

TERRA ENGINEERING & CONSTRUCTION CORP.

Scott A. Zimmerman, P.E.
Chief Executive Officer

Cc: Nathan Wells, Madison Engineering



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An Equal Opportunity Employer

