

SALEM COUNTY IMPROVEMENT AUTHORITY

RESOLUTION 2020-98

December 10, 2020

**A RESOLUTION AUTHORIZING CHANGE ORDER #3 TO THE CONTRACT
FOR CONSTRUCTION AND INSTALLATION
OF EXPANSION OF THE METHANE GAS COLLECTION SYSTEM**

WHEREAS, on August 13, 2020, the Salem County Improvement Authority awarded a contract to Atlantic Lining Company, Inc., for construction and installation of a methane gas collection system in the amount of Five Hundred, Ninety-Four Thousand, Two Hundred, Nineteen Dollars (\$594,219.00); and

WHEREAS, on October 8, 2020, a necessary Change Order #1 resulted in a decrease to the cost of the contract in the amount of Sixteen Thousand, Four Hundred, Fifteen Dollars (\$16,415.00) for a total contract amount of Five Hundred, Seventy-Seven Thousand, Eight Hundred, Four Dollars (\$577,804.00); and

WHEREAS, on November 12, 2020, a necessary Change Order #2 resulted in an increase to the cost of the contract in the amount of Fifteen Thousand, Three Hundred Dollars (\$15,300.00) for a total contract amount of Five Hundred Ninety-Three Thousand, One Hundred and Four Dollars (\$593,104.00); and

WHEREAS, after commencement of the work, it became necessary to repair a header to restore vacuum to three existing gas wells as outlined in the attached Work Change Directive #3; and

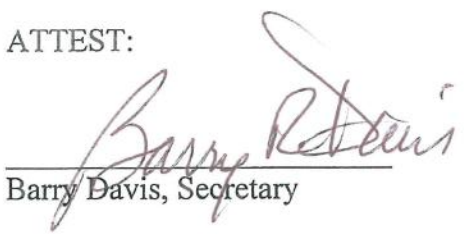
WHEREAS, this necessary Change Order #3 resulted in an increase to the cost of the contract in the amount of Thirty-Two Thousand, Seven Hundred Ninety Dollars (\$32,790.00) for a total contract amount of Six Hundred Twenty-Five Thousand, Eight Hundred and Ninety-Four Dollars (\$625,894.00); and

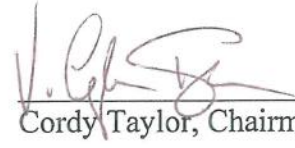
WHEREAS, this necessary Change Order also resulted in an increase in the contract time of 12 days;

NOW, THEREFORE, BE IT RESOLVED by the Salem County Improvement Authority Board as follows:

1. The Salem County Improvement Authority Board Authorizes Change Order #3 to the Contract with Atlantic Lining Company, Inc. as noted above to increase the total amount to of Thirty-Two Thousand, Seven Hundred Ninety Dollars (\$32,790.00) for a total contract amount of Six Hundred Twenty-Five Thousand, Eight Hundred and Ninety-Four Dollars (\$625,894.00) and an increase in the term of the contract of 12 days; and
2. The Salem County Improvement Authority authorizes its Executive Director to execute said change order.

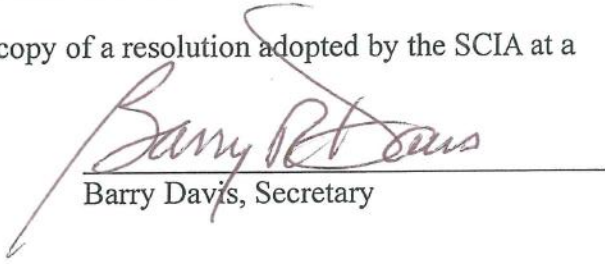
ATTEST:


Barry Davis, Secretary


Cordy Taylor, Chairman

CERTIFICATION

I hereby certify the above to be a true copy of a resolution adopted by the SCIA at a regular meeting held on December 10, 2020.


Barry Davis, Secretary

Work Change Directive

No. 3

Date of Issuance: 12/4/2020

Effective Date: _____

Project: 2020 GCCS Expansion	Owner: SCIA	Owner's Contract No.:
Contract: Salem County Improvement Authority Landfill 2020 GCCS Expansion		Date of Contract: 8/26/20
Contractor: Atlantic Lining Company, Inc. (ALCO)		Engineer's Project No.: 02218820.01

Contractor is directed to proceed promptly with the following change(s):

Item No.	Description
WCD 3	1. Install up to 400' of new 6" HDPE pipe below grade to extend The HC-1, 2 & 3 and LC-11 laterals to revised header tie-ins per the contract unit rate for Contractor supplied 6-inch pipe. (\$14,400)
	2. Repair exposed liner membrane that was previously damaged in the Vicinity of Manhole 12 (\$9,150)
	3. Add 440 feet to Contractor-Supplied 6-inch pipe and deduct same Amount from Owner-Supplied piping (Net increase \$9,240)

Attachments (list documents supporting change):

Drawing: Sheet 3A – Updated Horizontal Collectors; ALCO Extra Work Order approved by
By SCIA; Change Order Justification Memo

Purpose for Work Change Directive:

Authorization for Work described herein to proceed on a Unit Cost basis per Contract due to:

☐ Nonagreement on pricing of proposed change.

☒ Necessity to expedite Work described herein.

Estimated change in Contract Price and Contract Times (see attached spreadsheet):

Contract Price +\$32,790 (increase)

Contract Time 12 (increase)
days

Recommended for Approval by Engineer: <i>Eric Peterson</i>	Date <u>12/4/20</u>
Authorized for Owner by: <i>Julie A. Acton</i>	Date <u>12/7/20</u>
Received for Contractor by: <i>[Signature]</i>	Date <u>12/9/20</u>

December 4, 2020

File No. 02218820.01

MEMORANDUM

TO: Julie Acton, Lodie Van Tonder

FROM: Eric Peterson

SUBJECT: Gas System Expansion – Justification for Change Order 3 - Revised

The attached Work Change Directive No. 3 describes the additional gas system pipe installation work associated with extending and realigning the horizontal collectors (HC) and leachate cleanout (LC) connector in Cell 11. This work change directive also includes the repair of the landfill liner exposed during the gas system work. The reasons this work is necessary are summarized below:

Additional Piping

1. Cell 11 is believed to be the primary source of intermittent odors at the landfill. As such, the HCs and the LC are critical components to the expanded system.
2. The ongoing waste filling operations impacted where the HCs and LC were originally intended to connect to a new vacuum header. To avoid this active fill area and the likelihood of damage, the HC and LC connectors were angled away from this area. The angled connection pipe is inherently longer than a straight run of pipe.
3. Waste filling between the time of the system design and the time of construction created a low area where the HC and LC connectors are to be installed. The change in grades required a new survey of the topography and realignment of the HC and LC connectors to extend further up the slope to promote positive drainage of the liquids (condensate) that forms in the gas piping.

Liner Repair

During the course of trench excavation to install the gas piping near Manhole 12, ALCO exposed the landfill liner at the top of the anchor trench. This exposed liner was found to have an existing tear approximate 20 feet long. It was previously damaged; it did not occur during the course of this work. To prevent the possibility of leachate breaching the membrane at the tear, it is necessary to repair it as soon as practical while it is exposed and then to backfill after the gas system work is complete in this area.



Additional Piping Supplied by Contractor

The Contract documents stipulated that the Owner would supply 1,200 feet of 6-inch HDPE piping to be installed by the Contractor, and that the Contractor would supply any additional amount of the same pipe (estimated to be 877 feet at the time of bidding). The actual amount of 6-inch available from the Owner is 760 feet; therefore, the Contractor needs to procure the balance of 440 feet. The difference in unit price for installing 6-inch pipe as supplied by Contractor vs. that supplied by the Owner is \$21/foot. The resulting net increase is 440 feet x \$21/foot = \$9,240.

ALCO

ATLANTIC LINING CO., INC.

DATE: 11/25/2020

CHANGE ORDER / EXTRA WORK ORDER

PROJECT: SCIA LFG Gas Collection System Expansion

Work Order # CO 04

OWNER: Salem County Improvement Authority requests and authorizes ALCO
to perform the following Extra / Change Work:

Uncover existing tear in anchor trench liner. Thursday 11/19, 3 technicians, 1 operator, 1 excavator. 1 Day

Repair existing tear in anchor trench liner. Date To Be Determined. 3 technicians. 1 Day.

Description	Quantity	Unit	Unit Price	Total
Uncover Existing Liner	1	Day	\$ 5,550.00	\$ 5,550.00
Repair Liner	1	Day	\$ 3,600.00	\$ 3,600.00

total change order	\$ 9,150.00
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Time & Materials Total: \$ 9,150.00

Unit Price: _____ @ _____ per _____ = \$ _____

Lump Sum: \$ _____

Payment:

ALCO shall receive \$ 9,150.00 as Payment for Change Order / Extra Work Order Work performed on this

date 11/25/2020

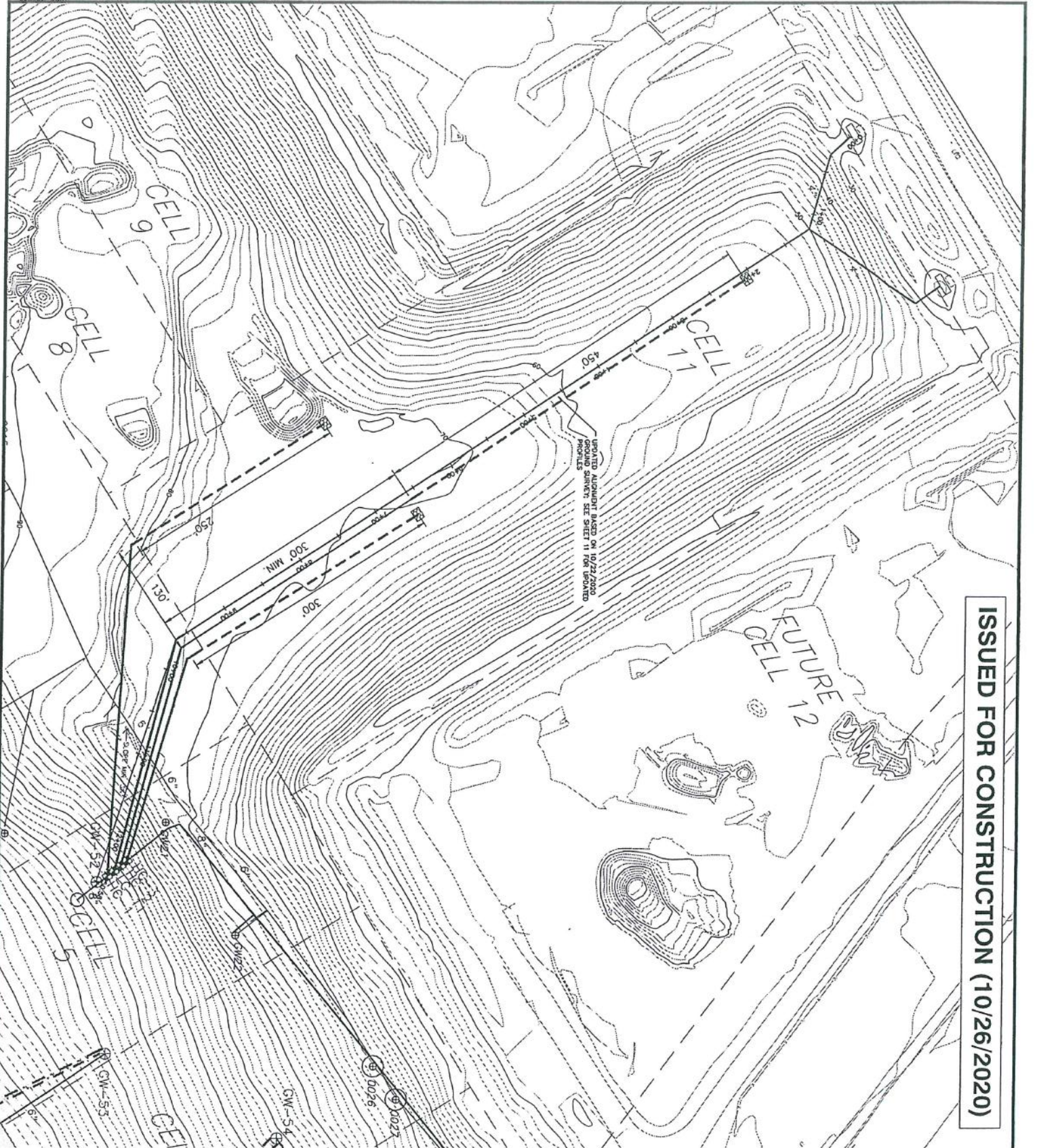
Through affixing of signature the executing party represents that as agent or representative of the contracting party/owner, he/she is duly empowered to request and authorize ALCO to perform Change Order / Extra Work. The signer further attests that through executing this document it is willfully and knowingly binding the party it represents to make payment of the amount identified herein in accordance with the payment terms stipulated within ALCO's Commercial Terms and Conditions. This Extra Work Agreement is made between the two parties referenced herein and is not contingent upon acceptance or receipt of payment to the Requesting/Authorizing party from the owner or any other third party.

Atlantic Lining Co., Inc. Representative

Date

Julie A. Costa
Authorized Owner/Contractor Representative

11/25/20
Date



NOTES:

1. CONTOURS F. CONJUNCTIONS F. TOPOGRAPHY METHODS FR. FEATURES A. FOOTPRINT F. GESAPITAL. THE BOUNDA
2. TITLED 2009 I. COUNTRY UNTIL ENGINEERING. P. GOCOS FE
3. PLAN "DRAMA INC. TOPOGRAPHY C. CURRENT CO. INFORMATION. TOPOGRAPHY AND DEPTHS. THE SITES S. CONTRACTOR. AND PROTEC
5. CONTRACTOR. CONDITIONS. DAMAGED BY REPLACED AT LOR PIPING S. WASTE AND 1 OTHERWISE SHALL NOT H. DEFECTS TH. CONVEYANCE LOCATIONS O
7. ADJUSTED BY FIELD CONTROL

GW-
GW-55 REL
HC-100 -



Certification of Availability of Funds

This is to certify to the AUTHORITY BOARD of the SALEM COUNTY IMPROVEMENT AUTHORITY that funds for the following resolutions are available.

Amount: \$32,790.00

Resolution Date: Dec 10, 2020

Resolution Number: 2020-98

Vendor: Atlantic Lining, Inc.

Account Number	Amount	Department Description
60-16-124-002	\$32,790.00	Change Order #3- Install new 6" HDPE Pipe Repair Exposed Liner Membrane (Manhole 12) Add to 6-inch pipe (Contractor Supplied)
Total	\$32,790.00	

Only amounts for the 2020 Capital Budget Year have been certified.



Chief Financial Officer