

CHANGE ORDER
PROJECT: Big Creek Park Construction - Millington Levee

CHANGE ORDER NUMBER: 03
INITIATION DATE: 05/30/2023

COUNTY PROJECT NO: CA220686

CONTRACT FOR: CONSTRUCTION

CONTRACT DATE: April 1, 2021

You are directed to make the following changes in this Contract:

| <u>Item No.</u> | <u>Item Description</u> | <u>Quantity</u> | <u>Unit</u> | <u>Unit Price</u> | <u>Total Cost</u> |
|-----------------|--|-----------------|-------------|-------------------|----------------------|
| | Remove 1,198 sq. ft. of Segmental Block Wall, Add 140 CY of Embankment, Add 22 tons of Mineral Aggregate Base, Add 20 tons of A-1 rip-rap | | | | |
| 37 | Segmental Block Wall | -1198 | SF | \$52.00 | (\$62,296.00) |
| 6 | Embankment | 140 | CY | \$30.00 | \$4,200.00 |
| 11 | Mineral Aggregate Base | 22 | TON | \$46.00 | \$1,012.00 |
| 19 | Machined Rip-Rap TDOT Class A-1 | 20 | TON | \$67.00 | \$1,340.00 |
| | TOTAL | | | | (\$55,744.00) |

Not valid until signed by both the Owner and Engineer.

Signature of the Contractor indicates their agreement herewith, including any adjustment in the Contract Sum or Contract Time.

| | |
|--|----------------|
| The original (Contract Sum) was | \$2,777,145.00 |
| Net change by previously authorized Change Orders | (\$21,529.00) |
| The (Contract Sum) prior to this Change Order was | \$2,755,616.00 |
| The Contract Sum will be decreased by this Change Order | (\$55,744.00) |
| The new Contract Sum including this Change Order will be | \$2,699,872.00 |

The Contract Time will be increased by 0 calendar days.

The Date of Substantial Completion as of the date of this Change Order therefore is:

October 10, 2023

Authorized:

Darren Sanders, P.E.
County Engineer
6449 Halev Road
Memphis, TN 38134

ENSCOR LLC.
Contractor
5566 Commander Drive
Arlington, TN 38002

Shelby County Government
Owner
160 N. Main Street
Memphis, TN 38103

By Darren J. Sanders
 Darren Sanders, P.E.

By Jeff Smith
 Jeff Smith
 President
 Date 7/12/2023

By Lee Harris
 Lee Harris, Mayor

Date 5/30/23

Date _____

Chris Masin, P.E.
 County Project Manager

APPROVED AS TO FORM AND LEGALITY:

Mark M. Rappaport
 Contract Administration
 Assistant County Attorney

Documentation of Costs for Change Order #3
 Big Creek - Phase 1D
 12/16/2022

| Item | Description | Qty After CO#1 & 2 | CO#3 Delta | Qty After CO#3 | Unit Price | Cost Change | Basis |
|-------------------------------------|--|-----------------------|---------------|-------------------|------------|---------------------|---|
| 37 | Segmental Block Wall (Sq. Ft.) | 11,772 | -1,198 | 10,574 | \$52.00 | -\$62,296.00 | Sta 23+08.00 to Sta 23+84.97 (428 sf) Sta 24+29.00 to Sta 25+63 (770 sf) Total = 1,198 sf |
| 6 | Embankment (CY) | 13,105 | 140 | 13,245 | \$30.00 | \$4,200.00 | 140 CY for access road to pumping station |
| 11 | Mineral Aggregate Base (Tons) | 1,286 | 22 | 1,308 | \$46.00 | \$1,012.00 | 22 tons for access road to pumping station |
| 19 | Machined Rip-Rap - TDOT Class A-1 (Tons) | 350 | 20 | 370 | \$67.00 | \$1,340.00 | 20 tons for erosion control on levee embankment at pumping station |
| Total Change Order Deduction | | | | | | -\$55,744.00 | |

Masin, Chris

From: Trevor.Cropp@bargedesign.com
Sent: Thursday, December 15, 2022 8:26 AM
To: Camilla Balderas; Claire Barnett; Jonathan Saucedo
Cc: Masin, Chris
Subject: Change Order #3

[This EMAIL was not sent from a Shelby County Government email address. Please use caution.]
The City of Millington requested that access be provided to their pump station from the levee. This access will be used during storm events when the basin is retaining water and access is required to the pumps. To accommodate this request sections of segmental wall are proposed to be removed to install an access ramp down to the pumpstation. The access road will require an additional 140 CY of material and approximately 22 tons of stone compared to the original design in this area. It is also estimated that 1198 square feet of wall will be removed from the project.

Since the embankment between the levee and the pump station security fence was placed at a slope steeper than 3:1, it is also recommended that an estimated 20 tons of Class A-1 riprap be placed to prevent erosion.

The additional fill in the City's detention basin for the access road amounts to less than 0.1 acre-feet of fill compared to the estimated 1,900 acre-feet of available storage at elevation 265.5 feet behind the levee. This minor reduction in available storage will not impact the water surface elevations behind the levee during a storm event.

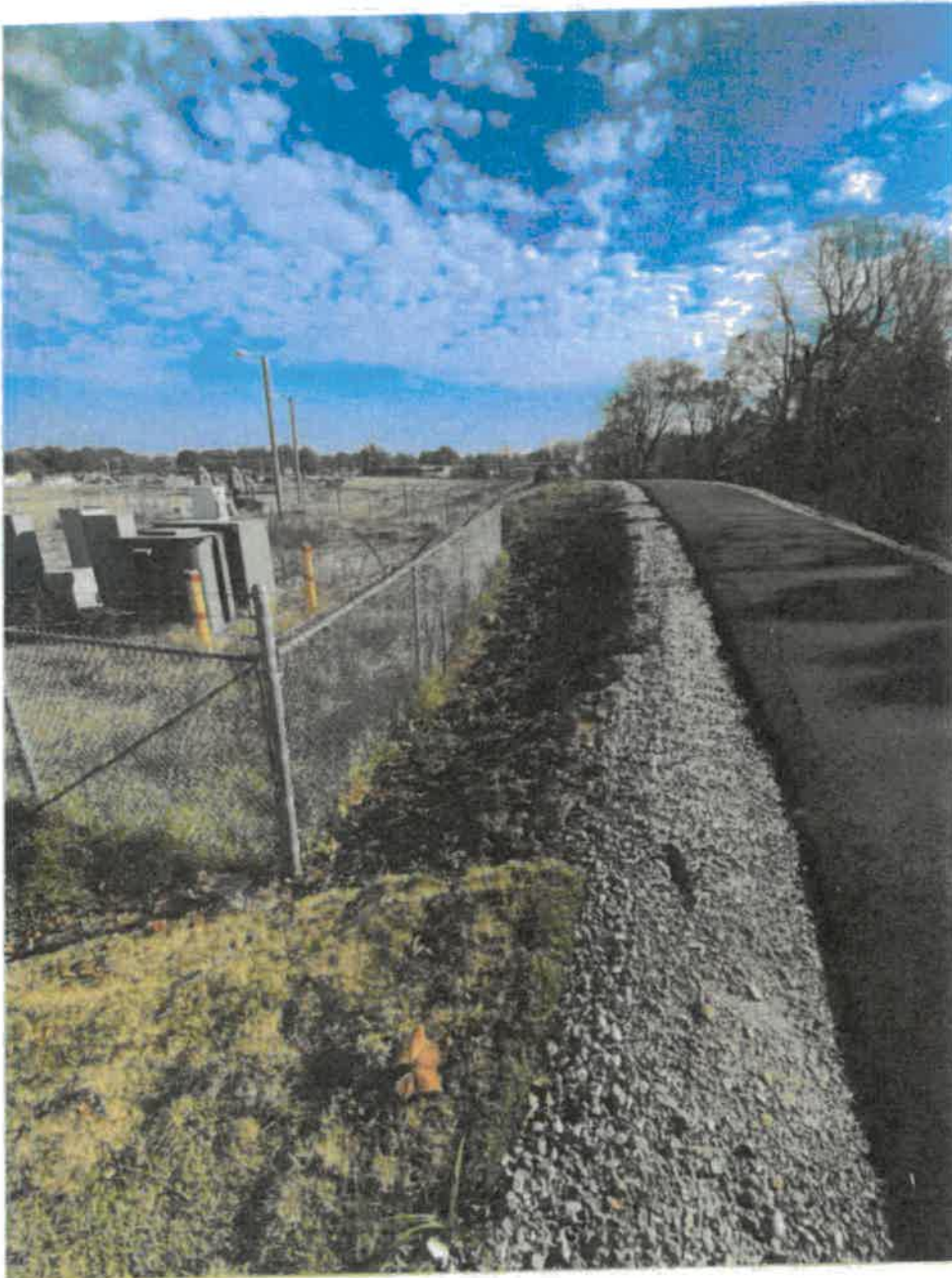
These changes are captured in Addendum #2.

Trevor Cropp PE

PROJECT MANAGER

Trevor.Cropp@bargedesign.com

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