

2023-0152

INTRODUCED BY: MATTHEW JEWELL, PARISH PRESIDENT
(DEPARTMENT OF PUBLIC WORKS)

ORDINANCE NO. 23-7-1

An ordinance approving and authorizing the execution of Change Order No. 1 (Final) for Hill Heights Drainage Improvements, Project No. P190802, to decrease the contract amount by \$116,284.80 and 41 calendar days.

WHEREAS, Ordinance No. 22-3-14, adopted March 21, 2022, by the St. Charles Parish Council approved and authorized the execution of a Professional Services Agreement with Barowka and Bonura Engineers and Consultants, LLC, to perform engineering services for Hill Heights Drainage Improvements - Destrehan (Project No. P190802), in the amount not to exceed \$373,992.70; and,

WHEREAS, an emergency Construction Contract was fully executed February 13, 2023, between St. Charles Parish and APC Construction, LLC, for Hill Heights Drainage Improvements, Project No. P190802, with bid in the amount of \$844,383.00; and,

WHEREAS, a Professional Services Agreement was fully executed April 11, 2023, between St. Charles Parish and Alpha Testing and Inspection, Inc., to complete construction testing services for Hill Heights Drainage Improvements (Project No. P190802), in the not to exceed amount of \$13,000.00; and,

WHEREAS, it is necessary to amend the construction contract to delete the work items, Settlement Plate and Dam Removal and Replacement (Each Add. Occurrence), resulting in a decrease to the contract amount by \$3,566.00; and,

WHEREAS, it is necessary to amend the construction contract to add the work item, Haul Away Unsuitable Material Stockpile from Western Canal Bank, resulting in an increase to the contract amount by \$4,142.71; and,

WHEREAS, it is necessary to amend the construction contract to revise contract items to match final installed quantities and contract days to match the actual days used, resulting in a decrease to the contract amount by \$116,861.51 and a decrease to the contract time by 41 calendar days; and,

WHEREAS, the final contract price is \$728,098.20 and the final contract time is 49 calendar days.

THE ST. CHARLES PARISH COUNCIL HEREBY ORDAINS:

SECTION I. That Change Order No. 1 (Final) for Hill Heights Drainage Improvements, Project No. P190802, to decrease the contract amount by \$116,284.80 and decrease the contract time by 41 calendar days is hereby approved and accepted.

SECTION II. That the Parish President is hereby authorized to execute said Change Order on behalf of St. Charles Parish.

SECTION III. That St. Charles Parish considers the project complete and accepts all improvements and modifications installed during execution of the project.

The foregoing ordinance having been submitted to a vote, the vote thereon was as follows:

YEAS: BILLINGS, FONSECA, DARENSBOURG GORDON, CLULEE, GIBBS,
DUFRENE, BELLOCK
NAYS: NONE
ABSENT: FISHER, FISHER-CORMIER

And the ordinance was declared adopted this 10th day of July, 2023, to become effective five (5) days after this publication in the official journal.

CHAIRMAN: But Billings
SECRETARY: Michelle Dupontato
DLVD/PARISH PRESIDENT: July 11, 2023
APPROVED: ✓ DISAPPROVED: _____

PARISH PRESIDENT: Matthew Jewell
RETD/SECRETARY: July 11, 2023
AT: 3:05pm RECD BY: [Signature]

RECORDED IN THE ST. CHARLES PARISH
CLERK OF COURT OFFICE
ON 7/12/23
AS INSTRUMENT NO. 476185
IN (MORTGAGE) CONVEYANCE/OATH BOOK

SECTION 00806

CHANGE ORDER

No. 1 (Final)

DATE OF ISSUANCE May 26, 2023

EFFECTIVE DATE May 26, 2023

OWNER St. Charles Parish Department of Public Works

CONTRACTOR APC Construction, LLC

Contract: Hill Heights Drainage Improvements Construction Contract Dated 2/13/2023

Project: Hill Heights Drainage Improvements

OWNER's Contract No. P190802

ENGINEER's Contract No. N/A

ENGINEER Barowka and Bonura Engineers and Consultants, LLC

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

Description:

A. Delete the Following Work Items:

- 1) Contract Item 203-02: Settlement Plate
Delete item in its entirety. (- \$828.00).
 - 2) Contract Item S-002-3: Dam Removal and Replacement (Each Add. Occurrence)
Delete item in its entirety. (- \$2,738.00).
- Total of Deducted Items = (-\$3,566.00)

B. Add the Following Work Items:

- 1) New Contract Item: Haul away unsuitable soil material stockpile from western canal bank.
Addition of \$4,142.71 L.S. See attached email quote from Contractor.
- Total of Added Work Items = (+\$4,142.71)

C. Revise the Following Work Item Quantities:

- 1) Contract Item 202-03: Excavation and Disposal of Unsuitable Material
Delete remaining unused contract quantity. Decrease quantity from 1250 C.Y. to 66.10 C.Y. (-\$15,153.92).
- 2) Contract Item 203-01: Cleaning Existing Ditches
Increase quantity from 100 L.F. to 185 L.F. (+\$2,923.15).
- 3) Contract Item 203-03: Plastic Soil Blanket
Increase quantity from 40 C.Y. to 46.9 C.Y. (+\$10,191.30).
- 4) Contract Item 203-04: Geotextile Fabric
Delete remaining unused contract quantity. Decrease quantity from 350 S.Y. to 318 S.Y. (-\$378.56).
- 5) Contract Item 701-07: Yard Drain Pipe (8" Plastic) (Contingency)
Delete remaining unused contract quantity. Decrease quantity from 50 L.F. to 28 L.F. (-\$1,892.00).
- 6) Contract Item 714-01: Sodding
Delete remaining unused contract quantity. Decrease quantity from 250 S.Y. to 222.22 S.Y. (-\$981.75).
- 7) Contract Item 715-01: Topsoil
Delete remaining unused contract quantity. Decrease quantity from 850 C.Y. to 67.0 C.Y. (-\$83,178.09).
- 8) Contract Item 723-01: Granular Material (Structural Fill)

Delete remaining unused contract quantity. Decrease quantity from 250 C.Y. to 72.8 C.Y. (-\$23,060.81).

9) Contract Item 802-01: Permanent Steel Sheet Piling (30-ft length)
Delete remaining unused contract quantity. Decrease quantity from 5600 S.F. to 5511.6 S.F. (-\$5,029.96).

10) Contract Item 802-02: C-Channel Waler and HSS at Connections
Delete remaining unused contract quantity. Decrease quantity from 15,000 Pounds to 14,997.50 Pounds (-\$13.88).

11) Contract Item S-001: Exploratory Excavation
Delete remaining unused contract quantity. Decrease quantity from 2 Each to 1 Each. (-\$287.00).

Total of Change in Work Items Quantity = (-\$116,861.51)

Reason for Change Order:

- A. 1) Owner removed settlement plates from this project allowing this line item to be deleted.
2) The work item "Dam Removal and Replacement (Each Add. Occurrence)" was not used and can be eliminated from the contract.
- B. 1) Owner requested that Contractor remove and haul away stockpiled unsuitable soil material. Contractor provided quote in the amount of \$4,142.71 and Owner agreed and authorized Contractor to proceed with this work item.
- C. 1) Due to variations in field conditions vs. plan quantities, the final quantity of this item is determined to be 66.10 C.Y. instead of the original base bid quantity of 1,250 C.Y.
2) The contractor performed ditch cleaning along the entire length of the project and therefore the final quantity is 185 L.F. in lieu of the original base bid quantity of 100 L.F.
3) The original base bid quantity for this item was lower than actual quantity required in the field. The final quantity is 6.9 C.Y. more than the original base bid quantity.
4) Due to variations in field conditions vs. plan quantities, the final quantity of this item is determined to be 318 S.Y. instead of the original base bid quantity of 350 S.Y.
5) This item is intended to be used for repair/replacement of drain lateral lines which outfall into the canal within the project limits. This item included removal and replacement of drain lines in conflict with the new sheet pile wall, drain pipe connections, and drain pipe wall penetrations. The final quantity of this item is 28 L.F. instead of the original base bid quantity of 50 L.F.
6) Due to variations in field conditions vs. plan quantities, the final quantity of this item is determined to be 222.22 S.Y. instead of the original base bid quantity of 250 S.Y.
7) Contractor installed topsoil along the western canal bank to facilitate seeding and grass growth. The final quantity of installed topsoil is 67.0 C.Y.
8) Due to variations in field conditions vs. plan quantities, the final quantity of this item is determined to be 72.8 C.Y. instead of the original base bid quantity of 250 C.Y.
9) The final installed quantity of this item is determined to be 5511.6 S.F. instead of the original base bid quantity of 5600 S.F. The original 5600 S.F. quantity was slightly overestimated to account for potential variations in field conditions during construction.
10) Contractor requested a substitution to replace the original double C15x33.9 waler design and C15x33.9 wall cap with a single 12"x6"x3/8" HSS waler installed 4'-0" below top of wall and 18.5"x6"x3/8" rolled cap plate. This change resulted in a final quantity of 14,997.50 pounds in lieu of the original estimated bid quantity of 15,000 pounds. See attached email correspondence authorizing this change in work.
11) Only 1 exploratory excavation unit item was used during construction to locate tip elevation and length of existing sheet piles.

Attachments:

Attachment A: Email Quotation Haul Away Unsuitable Material, dated May 3, 2023

Attachment B: Email Correspondence Approval of Single Waler and Cap Plate Substitution, dated March 16, 2023

CHANGE IN CONTRACT PRICE:
Original Contract Price \$ 844,383.00
Net Increase (Decrease) from previous Change Orders No. ___ to ___: (None) \$ 0.00
Contract Price prior to this Change Order: \$ 844,383.00
Net increase decrease of this Change Order: \$ 116,284.80
Contract Price with all approved Change Orders: \$ 728,098.20

CHANGE IN CONTRACT TIMES:
Original Contract Times: Substantial Completion: 90 Ready for final payment: 6/18/2023 (days or dates)
Net change from previous Change Orders No. ___ to No. ___: Substantial Completion: 0 Ready for final payment: 6/18/2023 (days)
Contract Times prior to this Change Order: Substantial Completion: 90 Ready for final payment: 6/18/2023 (days or dates)
Net increase decrease this Change Order: Substantial Completion: 41 Ready for final payment: 5/8/2023 (days)
Contract Times with all approved Change Orders: Substantial Completion: 49 Ready for final payment: 5/8/2023 (days or dates)

RECOMMENDED:

By: *Jeff Bone*
ENGINEER (Authorized Signature)

Date: 5/30/23

APPROVED:

By: *Math Juwa*
OWNER (Authorized Signature)

Date: 7/11/23

ACCEPTED:

By: *[Signature]*
CONTRACTOR (Authorized Signature)

Date: 6/1/23

Attachment A

Email Quotation

Haul Away Unsuitable Material

Dated May 3, 2023

Matthew Hahn

From: Andre Ford <aford@stcharlesgov.net>
Sent: Wednesday, May 3, 2023 4:17 PM
To: Chris Smith; Matthew Hahn
Cc: Joel McLain; Wesley Dozier; Nicholas Gallo; Austin McDonald; Carlton Bischoff; Harold Bodenheimer
Subject: RE: St. Charles Parish Hill Heights Drainage Improvements, Pre-final Meeting

Chris,

St. Charles Parish approves this cost for the work mentioned below. The cost will be included in the final change order for the project. Please proceed with the work.

Thanks,

Andre R. Ford, P.E.
Department of Public Works
Parish Engineer II
985-331-2622 (O)
504-417-0052 (C)



From: Chris Smith <chris.smith@apconstruction.com>
Sent: Wednesday, May 3, 2023 1:39 PM
To: Andre Ford <aford@stcharlesgov.net>; Matthew Hahn <mhahn@bbecllc.com>
Cc: Joel McLain <joel.mclain@apconstruction.com>; Wesley Dozier <wesley.dozier@apconstruction.com>; Nicholas Gallo <nicholas.gallo@apconstruction.com>; Austin McDonald <austin.mcdonald@apconstruction.com>; Carlton Bischoff <cbischoff@stcharlesgov.net>; Harold Bodenheimer <hbodenheimer@bbecllc.com>
Subject: RE: St. Charles Parish Hill Heights Drainage Improvements, Pre-final Meeting

Andre,

Per your email below, APC proposes to provide all labor and equipment to remove the unsuitable material stockpiled along the right-of-way and haul off site for a lump sum price of \$4,142.71. Please advise if this is acceptable.

Thanks,

Christopher Smith
Quality Control Manager
Heavy Civil | APC Construction, LLC
Chris.smith@apconstruction.com | www.apconstruction.com
(504) 539-4260 Office | (504) 324-0777 Fax | (504) 810-6927 Cell
1910 Peters Road, Harvey, LA 70058

A SRMSDC MBE Company - ISNetWorld Member Contractor

From: Andre Ford <aford@stcharlesgov.net>
Sent: Wednesday, May 3, 2023 11:34 AM
To: Chris Smith <chris.smith@apcconstruction.com>; Matthew Hahn <mhahn@bbecllc.com>
Cc: Joel McLain <joel.mclain@apcconstruction.com>; Wesley Dozier <wesley.dozier@apcconstruction.com>; Nicholas Gallo <nicholas.gallo@apcconstruction.com>; Austin McDonald <austin.mcdonald@apcconstruction.com>; Carlton Bischoff <cbischoff@stcharlesgov.net>; Harold Bodenheimer <hbodenheimer@bbecllc.com>
Subject: RE: St. Charles Parish Hill Heights Drainage Improvements, Pre-final Meeting

Chris,

We discussed the stockpile of excavated material today. We understand that APC was previously directed, via Addendum No.1, to stockpile the material on site and it will become the property of the Parish. After review of the material, we believe it to be unsuitable and would like for APC to haul off, after a price to complete this work has been agreed upon. Please provide a cost to haul off the stockpile of material.

Thanks,

Andre R. Ford, P.E.
Department of Public Works
Parish Engineer II
985-331-2622 (O)
504-417-0052 (C)



From: Chris Smith <chris.smith@apcconstruction.com>
Sent: Wednesday, May 3, 2023 11:24 AM
To: Andre Ford <aford@stcharlesgov.net>; Matthew Hahn <mhahn@bbecllc.com>
Cc: Joel McLain <joel.mclain@apcconstruction.com>; Wesley Dozier <wesley.dozier@apcconstruction.com>; Nicholas Gallo <nicholas.gallo@apcconstruction.com>; Austin McDonald <austin.mcdonald@apcconstruction.com>; Carlton Bischoff <cbischoff@stcharlesgov.net>; Harold Bodenheimer <hbodenheimer@bbecllc.com>
Subject: RE: St. Charles Parish Hill Heights Drainage Improvements, Pre-final Meeting

Monday at 9 am works for us if it is ok with everyone else.

Thanks,

Christopher Smith
Quality Control Manager
Heavy Civil | APC Construction, LLC
Chris.smith@apcconstruction.com | www.apcconstruction.com
(504) 539-4260 Office | (504) 324-0777 Fax | (504) 810-6927 Cell
1910 Peters Road, Harvey, LA 70058

A SRMSDC MBE Company - ISNetWorld Member Contractor

From: Andre Ford <aford@stcharlesgov.net>
Sent: Wednesday, May 3, 2023 11:18 AM
To: Chris Smith <chris.smith@apcconstruction.com>; Matthew Hahn <mhahn@bbecllc.com>
Cc: Joel McLain <joel.mclain@apcconstruction.com>; Wesley Dozier <wesley.dozier@apcconstruction.com>; Nicholas Gallo <nicholas.gallo@apcconstruction.com>; Austin McDonald <austin.mcdonald@apcconstruction.com>; Carlton

Bischoff <cbischoff@stcharlesgov.net>; Harold Bodenheimer <hbodenheimer@bbecllc.com>

Subject: RE: St. Charles Parish Hill Heights Drainage Improvements, Pre-final Meeting

Earliest I can do on Monday is 9am, and free the remainder of the day. If not Monday I can do 8am Tuesday.

Andre R. Ford, P.E.

Department of Public Works

Parish Engineer II

985-331-2622 (O)

504-417-0052 (C)



From: Chris Smith <chris.smith@apcconstruction.com>

Sent: Wednesday, May 3, 2023 10:44 AM

To: Matthew Hahn <mhahn@bbecllc.com>

Cc: Joel McLain <joel.mclain@apcconstruction.com>; Wesley Dozier <wesley.dozier@apcconstruction.com>; Nicholas Gallo <nicholas.gallo@apcconstruction.com>; Austin McDonald <austin.mcdonald@apcconstruction.com>; Andre Ford <aford@stcharlesgov.net>; Carlton Bischoff <cbischoff@stcharlesgov.net>; Harold Bodenheimer <hbodenheimer@bbecllc.com>

Subject: St. Charles Parish Hill Heights Drainage Improvements, Pre-final Meeting

Matthew,

As we discussed on the phone, APC would like to request substantial completion for this project and to set up a Pre-final walk through with St. Charles Parish and BBEC to set an official Punch list. Please let me know your availability. We would like to set it for early next week if possible. Please advise.

Thanks,

Christopher Smith

Quality Control Manager

Heavy Civil | APC Construction, LLC

Chris.smith@apcconstruction.com | www.apcconstruction.com

(504) 539-4260 Office | (504) 324-0777 Fax | (504) 810-6927 Cell

1910 Peters Road, Harvey, LA 70058

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Attachment B

Email Correspondence

Approval of Single Waler and Cap Plate Substitution

Dated March 16, 2023

Matthew Hahn

From: Matthew Hahn
Sent: Thursday, March 16, 2023 5:49 PM
To: Andre Ford; Joel McLain
Cc: Jeff Bonura; Chris Smith; Nicholas Gallo; Benji Ficklin; Engineering File; Carlton Bischoff
Subject: RE: Hill Heights

Joel,

For the purpose of ordering materials, please proceed with the single HSS 12x6x3/8 waler and 18.5x6x3/8 rolled top cap alternative, in lieu of the previous double C15x33.9 waler system and C15x33.9 cap.

Thanks,

Matthew P. Hahn, P.E.

Barowka and Bonura Engineers and Consultants, LLC
209 Canal Street
Metairie, LA 70005
Phone: (504) 828-0030
Fax: (504) 828-8006

From: Andre Ford <aford@stcharlesgov.net>
Sent: Thursday, March 16, 2023 3:44 PM
To: Joel McLain <joel.mclain@apconstruction.com>; Matthew Hahn <mhahn@bbecllc.com>
Cc: Jeff Bonura <jbonura@bbecllc.com>; Chris Smith <chris.smith@apconstruction.com>; Nicholas Gallo <nicholas.gallo@apconstruction.com>; Benji Ficklin <benji.ficklin@apconstruction.com>; Engineering File <engfile@bbecllc.com>; Carlton Bischoff <cbischoff@stcharlesgov.net>
Subject: RE: Hill Heights

Joel,

We are good with these changes. At this time, the Parish would like to proceed with these changes without adding more linear foot of sheet pile. We previously wanted to add more linear footage, however the money reserved for that change has been allocated to a different project. We will simply do more sheet pile work as a separate project and continue with this emergency project.

Thanks,

Andre R. Ford, P.E.

Department of Public Works
Parish Engineer II
985-331-2622 (O)
504-417-0052 (C)



From: Joel McLain <joel.mclain@apcconstruction.com>
Sent: Wednesday, March 15, 2023 4:00 PM
To: Matthew Hahn <mhahn@bbecllc.com>
Cc: Andre Ford <aford@stcharlesgov.net>; Jeff Bonura <jbbonura@bbecllc.com>; Chris Smith <chris.smith@apcconstruction.com>; Nicholas Gallo <nicholas.gallo@apcconstruction.com>; Benji Ficklin <benji.ficklin@apcconstruction.com>; Engineering File <engfile@bbecllc.com>; Carlton Bischoff <cbischoff@stcharlesgov.net>
Subject: RE: Hill Heights

Matt,

After evaluating the contract documents and revised waler system, find attached analysis of potential cost savings for the Parish. This information is based off what is known in the contract documents and prior to mobilization. Please note the attached quantities could fluctuate based on actual quantities installed in the field.

I suggest we have a conference call to discuss our analysis. Let me know if you are available tomorrow to discuss.

In meantime, if you have any questions while reviewing the analysis please let me know.

Thanks,

Joel McLain
Project Manager Deep Foundations
Heavy Civil | APC Construction, LLC
joel.mclain@apcconstruction.com | www.apcconstruction.com
(504) 539-4260 Office | (504) 324-0777 Fax | (504) 289-6207 Cell
1910 Peters Road, Harvey, LA 70058

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From: Matthew Hahn <mhahn@bbecllc.com>
Sent: Thursday, March 9, 2023 2:40 PM
To: Joel McLain <joel.mclain@apcconstruction.com>
Cc: Andre Ford <aford@stcharlesgov.net>; Jeff Bonura <jbbonura@bbecllc.com>; Chris Smith <chris.smith@apcconstruction.com>; Benji Ficklin <benji.ficklin@apcconstruction.com>; Engineering File <engfile@bbecllc.com>; Carlton Bischoff <cbischoff@stcharlesgov.net>
Subject: RE: Hill Heights

Joel,

After consulting with the Parish, please see our responses to the APC value engineering proposal below:

- Remove bid item 203-02: Settlement Plates in its entirety.
Settlement Plates can be removed from the project. Please provide a credit proposal for this cost.
- Remove the bottom C15x33.9 waler on the sheet pile wall.
After assessment, we concluded that if one of the C15x33.9 walers is removed, the remaining waler will require a stronger waler section, and will need to be lowered 2.5 feet. The attached hand sketch shows our design using a single HSS 12x6x3/8 waler, installed 4'-0" below top of wall (El. -2.00). Please review and advise if this single HSS 12x6x3/8 waler would result in a cost benefit for the Parish. If so, please provide this cost deduction.
- Install a fabricated coated 20"x6"x3/8" rolled cap plate (ASTM A572 Gr. 50) to allow the cap to cover the sheet pile wall for a better/safer finished product.
The 20"x6"x3/8" rolled cap is acceptable, but we request a 18.5" wide cap in lieu of the proposed 20" wide cap. Please provide cost credit for this item. If the 18.5" wide cap is a problem, let us know.

- Also, does the Parish know the additional liner footage sheet pile they want to be installed?
The Parish will evaluate this once cost deductions for the above items are known.

If you have any questions, please let us know.

Thanks,

Matthew P. Hahn, P.E.

Barowka and Bonura Engineers and Consultants, LLC
209 Canal Street
Metairie, LA 70005
Phone: (504) 828-0030
Fax: (504) 828-8006

From: Joel McLain <joel.mclain@apcconstruction.com>

Sent: Monday, March 6, 2023 4:57 PM

To: Matthew Hahn <mhahn@bbecllc.com>

Cc: Andre Ford <aford@stcharlesgov.net>; Jeff Bonura <jbbonura@bbecllc.com>; Chris Smith <chris.smith@apcconstruction.com>; Benji Ficklin <benji.ficklin@apcconstruction.com>; Engineering File <engfile@bbecllc.com>; Chris Dufour <cdufour@stcharlesgov.net>

Subject: Hill Heights

Matthew,

As discussed at the pre-construction meeting held January 12th, 2023; St. Charles Parish requested that the APC review the project and identify any superfluous items that could be deducted from the project as a value engineering for additional sheet pile wall. After internal discussion, APC proposes the following to the Engineer and St. Charles Parish for review:

- Remove bid item 203-02: Settlement Plates in its entirety.
- Remove the bottom C15x33.9 waler on the sheet pile wall.
- Install a fabricated coated 20"x6"x3/8" rolled cap plate (ASTM A572 Gr. 50) to allow the cap to cover the sheet pile wall for a better/safer finished product.

Please review the above recommendation and let us know if you would like to proceed. After receiving confirmation from all parties, we can provide costs.

Also, does the Parish know the additional liner footage sheet pile they want to be installed?

If you have any questions or would like to discuss further, please let me know.

Thanks,

Joel McLain

Project Manager Deep Foundations
Heavy Civil | APC Construction, LLC
joel.mclain@apcconstruction.com | www.apcconstruction.com
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1910 Peters Road, Harvey, LA 70058

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