

C5-16-147

17 MAR 15 AM 11:36

CHANGE ORDER APPROVAL FORM

PROJECT: NAU WWTF Headworks Rehab

CHANGE ORDER: 2

and Aeration Piping Replacement

DATE: 03/10/17

CONTRACT NUMBER: CM2348

TO CONTRACTOR: SGS Contracting Services, Inc.

Reason for Change Order: Due to significant corrosion, the existing ductile iron sludge pump piping needs to be replaced. The existing air diffuser piping in the surge tanks are in a state of disrepair and will need to be replaced.

| | | |
|---|----|--------------------|
| Original Contract Sum..... | \$ | <u>616,212.00</u> |
| Net Change by Previous Change Order/Supplemental Agreement. | \$ | <u>132,346.15</u> |
| Contract Sum Prior to This Change Order..... | \$ | <u>748,558.15</u> |
| Amount of This Change Order (Add/Deduct)..... | \$ | <u>✓ 14,717.00</u> |
| New Contract Sum Including this Change Order..... | \$ | <u>763,275.15</u> |

The contract for substantial completion will be (increased) (decreased) (unchanged) by 0 days;
Substantial Completion: 08/04/17; Final Completion: 09/03/17

APPROVED BY: [Signature]
Project Manager (Department Head)

DATE: 3/10/17

APPROVED BY: [Signature]
Procurement Manager

DATE: 3/14/17

APPROVED BY: [Signature]
Director of Office of Management & Budget

DATE: 3/17/17

APPROVED BY: [Signature]
County Manager

DATE: 3-22-17

| | | |
|--------------|------------------------------|--------------------|
| ACCOUNT NO.: | <u>71500535-563551 WWHW</u> | <u>\$14,717.00</u> |
| | <u>71500535-563551 WWPIP</u> | <u>\$0.00</u> |

**SECTION 00 63 63
CHANGE ORDER REQUEST FORM**

NAU WWTF Part A – Headworks Rehab and Part B – Aeration Piping Replacement

No. 02

PROJECT – NAU WWTF Headworks Rehab and Aeration Piping Replacement
DATE OF ISSUANCE: 3/8/2017

EFFECTIVE DATE 3/8/2017

NASSAU COUNTY BOARD OF COUNTY COMMISSIONERS

COUNTY Contract / Purchase Order No.: CM2348

CONTRACTOR: SGS Contracting Services, Inc. ENGINEER / ARCHITECT: GAI Consultants, Inc.

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

Description: ADD: Replacement of the sludge pump piping and surge tanks diffuser piping.

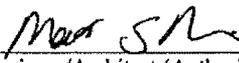
Reason for Change Order: Due to significant corrosion, the existing ductile iron sludge pump piping needs to be replaced. The existing air diffuser piping in the surge tanks are in a state of disrepair and will need to be replaced.

Attachments: SGS Proposal #8; GAI Letter of recommendation.

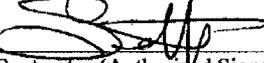
RECOMMENDED:

APPROVED:

ACCEPTED:

By: 
Engineer/Architect (Authorized Signature)

By: 
COUNTY (Authorized Signature)

By: 
Contractor (Authorized Signature)

Date: 3/2/2017

Date: 3-22-17

Date: 3/8/17

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 Contract Price or Times.

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

If Milestones have been listed, 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 may be used.

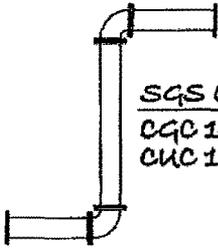
B. COMPLETING THE CHANGE ORDER FORM

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

Once Engineer / Architect / Etc. has completed and signed the form, all copies should be sent to Contractor for approval. After approval by Contractor, all copies should be sent to the County for approval. Engineer should make distribution of executed copies after approval by the County.

If a change only applies to Contract Price or to Contract Times, cross out the part of the tabulation that does not apply.

END OF SECTION



SGS CONTRACTING SERVICES, INC.
CGC 1514772
CAC 1225090

PROPOSAL (#8)

NAU Headworks & Aeration Piping Rehabilitation *Sludge Pump Piping & Surge Tank Diffuser Headers*

DATE: 02-17-2017

Per the Contract Documents, we are submitting the attached proposal for the replacement of the existing DIP sludge pump piping and existing air diffuser headers in the surge tank. Both items referenced appear to be original construction and have experienced significant corrosion. Furthermore, the existing wall penetrations have been compromised and are in need of repair to protect the structure.

- Replace both existing DIP sludge pump pipe headers in surge tank with 316SST Schedule 10 piping to match existing layout. New pipe will extend to sludge pumps.
- Repair wall penetrations by removing existing grout and replacing with new link seals and non-shrink grout.
- Replace existing surge tank air diffuser headers (2 each) with new 316SST Schedule 10 fabrication, consisting of connection points for twelve (12) diffusers each. Note, existing diffusers are to be re-installed on new header.

SCOPE OF WORK BY SGS:

- | | | |
|---|--------|-------------|
| • ADD – Pipe Materials (as described above and attached): | Price: | \$ 9,168.00 |
| • ADD – Crew Labor, 1 ½ Days: | Price: | \$ 4,785.00 |
| • ADD – Onsite Certified Welder (5 Hours @ \$95.00/hr): | Price: | \$ 475.00 |
| • ADD – 2% bond premium (orig. contract price exceeded) | Price: | \$ 289.00 |

Subtotal: \$ 14,717.00

GRAND TOTAL: \$ 14,717.00



February 15, 2017

Serving the Water & Wastewater Plant Industry for over 25 Years, Please visit us at: www.mcdadewaterworks.com

SGS Contracting Services, Inc.
Attn: Seth Simmons

Project: Amelia Island WWTF Part B - Aeration Air Piping Replacement
Bid Date: July 20, 2016 @ 4:00 PM
Addendum: 1-4
ARRA - No

PRICING FOR SLUDGE PIPING & AIR PIPING

| <u>BID</u> ITEM | <u>QTY</u> | <u>SIZE</u> | <u>DESCRIPTION</u> | <u>UNIT \$</u> | <u>EXT \$</u> |
|--------------------|----------------|-------------|---|---------------------|-----------------------|
| 2 | 04" | | SCH10 316SST FABRICATION, PER SKETCH FROM SGS (SLUDGE PUMP PIPING CONNECTION) | \$825.00 | \$1,650.00 |
| 2 | 04" | | 316SST WELD-ON FLANGE, SHIPPED LOOSE | \$38.00 | \$76.00 |
| 2 | 04"X06" | | SCH10 316SST CONCENTRIC REDUCER, FLANGE WELDED TO 4" SIDE ONLY | \$247.00 | \$494.00 |
| 2 | 04" | | LINK SEAL KIT FOR STANDARD WALL SLEEVE OPENING | \$145.00 | \$290.00 |
| 4 | 04" | | 316SST FAS WITH TORUSEAL GASKETS | \$20.00 | \$80.00 |
| 2 | 03" | | SCH10 316SST FABRICATION, PER SKETCH FROM SGS (DIFFUSER HEADER) | \$2,706.00 | \$5,412.00 |
| 140 | 12" | | DIP RESTRAINED JOINT, UNLINED, ZINC COATED EXT., INCLUDES GASKETS | \$36.73 | \$5,142.20 |
| 4 | 12" | | MJ 90 BEND, UNLINED, ZINC COATED EXTERIOR | \$242.64 | \$970.56 |
| 8 | 12" | | MJ MEGALUG & ACCESSORIES | \$120.00 | \$960.00 |
| 1 | 12" | | DIP FLXPEX12' DIP, UNLINED | \$926.10 | \$926.10 |
| 1 | 12" | | 316SST FAS WITH TORUSEAL GASKETS | \$90.00 | \$90.00 |
| 160 | 06" | | DIP RESTRAINED JOINT, UNLINED, ZINC COATED EXT., INCLUDES GASKETS | \$18.84 | \$3,014.40 |
| 4 | 06" | | MJ 90 BEND, UNLINED, ZINC COATED EXTERIOR | \$75.80 | \$303.20 |
| 8 | 06" | | MJ MEGALUG & ACCESSORIES | \$49.00 | \$392.00 |
| 1 | 06" | | DIP FLXPEX12' DIP, UNLINED | \$424.00 | \$424.00 |
| 1 | 06" | | 316SST FAS WITH TORUSEAL GASKETS | \$49.00 | \$49.00 |
| 1 | | | ESTIMATED SST FREIGHT | \$600.00 | \$600.00 |
| 1 | | | ESTIMATED DIP FREIGHT | \$600.00 | \$600.00 |

Sludge Piping Total:
Pipe = \$8,002.00
Freight = \$600.00
Subtotal = \$8,602.00
Tax (7%) = \$566.00
TOTAL = \$9,168.00

TOTAL THIS BID ITEM - TAX NOT IN



Jacksonville Office
1301 Riverplace Boulevard
Suite 900
Jacksonville, Florida 32207

T 904.363.1110
F 904.363.1115

March 1, 2017

GAI Project No. A120925.06/10

Ms. Becky Hiers-Bray, PE
Nassau County
96161 Nassau Place
Yulee, Florida 32097

**Nassau Amelia Utilities WWTP Headworks Rehabilitation
Change Order Recommendation – Surge Tank Piping (CO #2)**

Dear Ms. Hiers-Bray:

This letter provides GAI's overall opinion and recommendation for additional replacement of piping in the surge tanks at NAU's wastewater treatment facility.

During the design phase, only limited repairs were anticipated within the basins of the treatment plant. Similar to the tank coatings, the condition of the existing piping could not be fully determined until the tanks were drained during construction.

Upon further investigation of the piping inside the surge tanks (air diffuser piping header and sludge pump piping), the piping has deteriorated significantly. Provided the tanks are currently out of service, we believe this is the best and most effective opportunity to replace these piping. This will also potentially save the County of more costly repair efforts in the future. We have recommended moving to stainless steel piping, which is similar to other air piping replacement on the project, and will have a much longer lifespan compared to the current steel/ductile piping.

SGS Contractors has provided a quotation for the piping replacement with stainless steel, based on our in-field discussions and criteria. GAI recommends approval of the quotation/change order items for the surge tank piping provided by SGS. These prices are reasonable based on current industry costs. Provided this work is completed in parallel to other existing work, we do not believe a time extension is necessary.

If you have any questions or would like to discuss the recommended change, please do not hesitate to contact us.

Sincerely,

GAI Consultants, Inc.

A handwritten signature in black ink, appearing to read 'Scott Richards'.

Scott Richards

Sr. Engineering Manager - Water

321.319.3039 direct

321.377.0753 cell