

17 MAY 25 PM 2:09

CHANGE ORDER APPROVAL FORM

PROJECT: NAU WWTF Headworks Rehab
and Aeration Piping Replacement

CHANGE ORDER: 5

DATE: 5/22/17

CONTRACT NUMBER: CM2348

TO CONTRACTOR: SGS Contracting Services, Inc.

Reason for Change Order: Replace additional air piping from the blower building to the treatment plant.

Original Contract Sum.....	\$	<u>616,212.00</u>
Net Change by Previous Change Order/Supplemental Agreement.	\$	<u>197,890.15</u>
Contract Sum Prior to This Change Order.....	\$	<u>814,102.15</u>
Amount of This Change Order (Add/Deduct).....	\$	<u>39,889.00</u>
New Contract Sum Including this Change Order.....	\$	<u>853,991.15</u>

**The contract for substantial completion will be (increased) (~~decreased~~) (~~unchanged~~) by 21 days;
Substantial Completion: 08/25/17; Final Completion: 09/24/17**

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

DATE: 5/22/17

APPROVED BY: [Signature]
Contract Management

DATE: 5/24/17

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

DATE: 6/5/17

APPROVED BY: [Signature]
County Manager

DATE: 6.9.17

ACCOUNT NO.: 71500535-563551 WWPIP

Wastewater Piping
 project summary #WWPIP
 financial

Sources:	amount		CF TO 15/16
NAU revenues	\$ 216,000.00	\$ (8,405.60)	\$ 207,594.40
additional 8/17/16	\$ 240,500.00		
additional mid yr 3/27/17	\$ 200,000.00		
Total Sources	\$ 656,500.00		

Uses:	
13/14	\$ -
14/15	\$ (8,405.60)
15/16	\$ (320.95)

total uses \$ (8,726.55)

		<u>Cash fwd</u>	<u>FY16/17 rev</u>
project balance 16/17	\$ 647,773.45	\$ 407,273.45	\$ 240,500.00
contract balances	\$ (486,463.84)		

available budget \$ 161,309.61

Contract balances

GAI	Eng & Des	CM1831-WA06	\$ (10,861.45)	\$ (10,861.45)	
GAI BCC 8/17/16 Tab N	CEI	CM1831-WA10	\$ (27,884.00)		
GAI BCC 4/19/17 Tab K		CM1831-WA10 coA	\$ (18,206.20)	\$ (46,090.20)	
SGS BCC 8/17/16 Tab O	construction	CM2348	\$ (343,650.00)		276 days after notice to proceed
SGS co#1 addtl coating	construction	CM2348	\$ (28,896.19)		
SGS CO#4	construction	CM2348	\$ (17,077.00)		
SGS CO#5	construction	CM2348	\$ (39,889.00)	\$ (429,512.19)	
subtotal contract balances			\$ (486,463.84)	\$ (486,463.84)	

5/30/17

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

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

No. 05

PROJECT – NAU WWTF Headworks Rehab and Aeration Piping Replacement

DATE OF ISSUANCE: 5/16/2017

EFFECTIVE DATE 5/16/2017

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: Replace additional air piping from the blower building to the treatment plant.

Reason for Change Order: The existing air piping is deteriorating and is shallow below grade. This poses a risk to the operational reliability and should be replaced along with the above grade air piping.

Attachments: GAI Letter of recommendation.

RECOMMENDED:

By: Moss S. L.

Engineer/Architect (Authorized Signature)

Date: 5/17/17

APPROVED:

By: [Signature]

COUNTY (Authorized Signature)

Date: 6-9-17

ACCEPTED:

By: [Signature]

Contractor (Authorized Signature)

Date: 5/16/17

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



Jacksonville Office
1301 Riverplace Boulevard
Suite 900
Jacksonville, Florida 32207

T 904.363.1110
F 904.363.1115

May 4, 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 – Additional Air Piping Replacement (CO #5)**

Dear Ms. Hiers-Bray:

This letter provides GAI's recommendation for a change order to complete additional replacement of air piping at NAU's wastewater treatment facility.

During the design phase, only the above grade air piping was determined to be replaced, requiring reconnection to existing buried air piping.

However, upon investigation during construction for options to reconnect to the existing piping, several concerns arose regarding potential failure with the reconnection of new piping to the existing old piping. The buried air piping which routes from the blower building to the tank is shallow and deteriorating. With all new piping in the treatment basins, the buried piping will become the greatest risk for failure, especially with the construction activities and vehicular access which must occur. Allowing the air piping replacement to occur with this project will also allow for better coordination with the process transitions that are required, thus minimizing WWTP facility down time.

Our recommendation is to replace the existing piping with zinc coated ductile iron pipe for strength and durability, with gaskets designed for the higher temperatures of the air.

SGS Contractors has provided a quotation consistent with the requested piping replacement. We believe the price is fair provided the cost of the material and the required "hand digging" of the area due to numerous other pipelines/conduits in the area.

GAI recommends approval of the change order item for the additional air piping. This work can be completed in parallel to other existing work, and we do not believe a time extension is necessary at this time.

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

Sincerely,

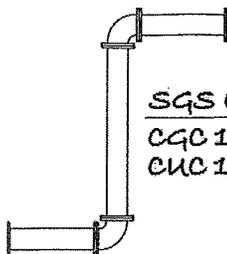
GAI Consultants, Inc.

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

Scott Richards

Sr. Engineering Manager - Water

321.319.3039 direct / 321.377.0753 cell



SGS CONTRACTING SERVICES, INC.

CGC 1514772

CUC 1225090

PROPOSAL (#11)

NAU Headworks & Aeration Piping Rehabilitation

Underground Main Air Supply Piping

DATE: 05-01-2017

Per the Contract Documents, we are submitting the attached proposal for the replacement of the existing underground air distribution header servicing the aeration basins and the surge basins. Portions of the existing piping have been identified as being corroded and in need of replacement. This work would include new piping from the north tank wall, extending north the blower building and terminating with the first above-ground section of piping.

- Replace existing 12" DIP Air supply piping with 12" DIP unlined zinc coated pipe and fittings. This line services the aeration and anoxic basins, and will connect to the new air piping installed under the original Contract. Will attempt to install pipe line so that more ground cover can be achieved.
- Replace existing 6" DDIP Air supply piping with 6" DIP unlined zinc coated pipe and fittings. This line services the surge basins, and will connect to the new air piping installed under the original Contract. Will attempt to install pipe line so that more ground cover can be achieved.
- Both lines must be hand-dug in order to prevent damage to existing facilities. Machine digging may be used to supplement the effort, and any small existing pipe lines that are broken will be replaced at no additional cost.

SCOPE OF WORK BY SGS:

• ADD – Pipe Materials (as described above and attached):	Price:	\$ 13,587.00
• ADD – Crew Labor, 8 Days:	Price:	\$ 25,520.00
• ADD – 2% bond premium (orig. contract price exceeded)	Price:	\$ 782.00
	Subtotal:	\$ 39,889.00

GRAND TOTAL: \$ 39,889.00



Post Office Box 16039 - Tampa, FL 33687-6039
(813) 740-1144 - FAX (813) 627-9387

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> <u>ITEM</u>	<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	\$500.00	\$500.00

Air Piping:
 Materials = \$12,271.00
 Freight = \$500.00
 Subtotal = \$12,771.00
 Tax (7%) = \$816.00
TOTAL = \$13,587.00

TOTAL THIS BID ITEM - TAX NOT INC