

CS-16-132

# CHANGE ORDER APPROVAL FORM

17 FEB - 5 AM 8:35

PROJECT: NAU WWTF Headworks Rehab  
and Aeration Piping Replacement

CHANGE ORDER: 1

DATE: 2/13/17

CONTRACT NUMBER: CM2348

TO CONTRACTOR: SGS Contracting Services, Inc.

Reason for Change Order: Due to extensive wear to the concrete in the structure, additional coatings/painting are being added to improve the lifespan of the concrete/structure. Fittings are being replaced due to excessive corrosion. Credits are issued for alternate materials/equipment.

Original Contract Sum.....	\$	<u>616,212.00</u>
Net Change by Previous Change Order/Supplemental Agreement.	\$	<u>0.00</u>
Contract Sum Prior to This Change Order.....	\$	<u>616,212.00</u>
Amount of This Change Order (Add/Deduct).....	\$	<u>132,346.15</u>
New Contract Sum Including this Change Order.....	\$	<u>748,558.15</u>

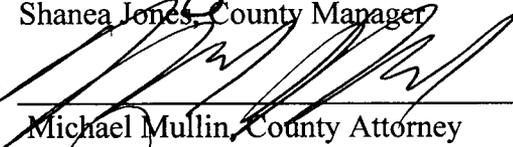
The contract for substantial completion will be **(increased)** (decreased) (unchanged) by 45 days;  
Substantial Completion: 08/04/17; Final Completion: 10/18/17

APPROVED BY:   
Project Manager (Department Head)

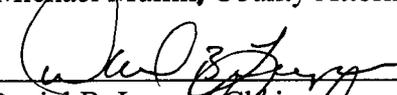
DATE: 2/3/17

APPROVED BY:   
Shanea Jones, County Manager

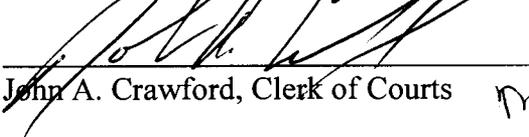
DATE: 2-6-17

APPROVED BY:   
Michael Mullin, County Attorney

DATE: 2/9/17

APPROVED BY:   
Daniel B. Leeper, Chairman

DATE: 2-13-17

ATTEST:   
John A. Crawford, Clerk of Courts

DATE: 2-16-17

ACCOUNT NO.: 71500535-563551 WWHW \$103,449<sup>96</sup>  
71500535-563551 WWPIP \$28,896<sup>19</sup>  
2/21/17

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

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

No. 01

PROJECT – NAU WWTF Headworks Rehab and Aeration Piping Replacement  
DATE OF ISSUANCE: 2/13/2017

EFFECTIVE DATE 2/13/2017

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 influent fittings, Repair and Relining of Surge Basins, Interior coating of top four feet of remaining basins, and exterior repainting of structure/tanks. REMOVE/CREDITS: Remove coating of Stainless Steel air piping, Credit for alternate rotary drum, Credit for plug/butterfly valve change.

Reason for Change Order: Due to extensive wear to the concrete in the structure, additional coatings/painting are being added to improve the lifespan of the concrete/structure. Fittings are being replaced due to excessive corrosion. Credits are issued for alternate materials/equipment.

Attachments: SGS Proposals #1, 2, 3, 4, 5, 6, and 7; GAI Letter of recommendation.

<b>CHANGE IN CONTRACT PRICE:</b>  Original Contract Price  \$ <u>616,212.0</u>	<b>CHANGE IN CONTRACT TIMES:</b> Original Contract Times  Substantial Completion: <u>246</u> Ready for Final Payment: <u>276</u> (days or dates)
Net change from previous Change Orders No. <u>   </u> to No. <u>   </u>  \$ <u>   n/a   </u>	Net change from previous Change Orders No. <u>   </u> to No. <u>   </u>  <u>   n/a   </u> (days)
Contract Price prior to this Change Order  \$ <u>616,212.0</u>	Contract Times Prior to this Change Order  Substantial Completion: <u>246</u> Ready for Final Payment: <u>276</u> (days or dates)
Net Increase (decrease) of this Change Order  \$ <u>132,346.15</u>	Net Increase (decrease) of this Change Order  <u>45</u> (days)
Contract Price with all approved Change Orders  \$ <u>748,558.15</u>	Contract Times with all approved Change Orders  Substantial Completion: <u>291</u> Ready for Final Payment: <u>321</u> (days or dates)

RECOMMENDED:

By:   
Engineer/Architect (Authorized Signature)

Date: 1/30/2017

APPROVED:

By:   
COUNTY (Authorized Signature)

Date: 2-13-17  
00 63 63-1

ACCEPTED:

By:   
Contractor (Authorized Signature)

Date: 2/1/17

## CHANGE ORDER INSTRUCTIONS

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### 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**

00-65-20-1



Jacksonville Office  
1301 Riverplace Boulevard  
Suite 900  
Jacksonville, Florida 32207

T 904.363.1110  
F 904.363.1115

January 27, 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 – Tank Coatings**

Dear Ms. Hiers-Bray:

This letter provides GAI's overall opinion and recommendation for additional rehabilitation and coatings of the concrete tanks at NAU's wastewater treatment facility.

During the design phase, a limited amount of repairs were anticipated within the concrete basins of the treatment plant. However, the amount could not be fully determined until the tanks were drained and inspected during construction. For this reason, the project was bid to complete repairs on a "per square foot" basis.

Structural inspection of the surge tanks was recently completed after draining and cleaning occurred. The team has found significant wear to the concrete, including cracks, spalls and overall erosion of the concrete. Per the contract, repairs would occur at \$225 per square foot. However, this cost was not intended for large repair areas or overall methods. For example, repairing/recoating only one-third of the surge tanks surface would cost approximately \$300,000 with this pricing/method.

Upon further evaluation and discussion, the team recommends implementation of an alternative repair/coating process as a more cost effective solution. The alternative considers repairing and applying an epoxy coating system to the entire surge tank internal walls. This option will provide a complete rehabilitation of the internal structure walls, and also provide a protective epoxy to extend the life of the tanks. Provided the wear which has occurred on the tanks, providing only concrete repairs will result in continued wear and erosion of the surface, thus requiring more significant rehabilitation in the future. The epoxy coating system is intended to prevent wear of the concrete by acting as a protective barrier. It also minimizes adhesion of solids to the surface and allows for easier cleaning.

The epoxy coating is anticipated to last 10-15 years. At that point, a recoat can be applied as preventative maintenance and renew the life. This will reduce costs by protecting the concrete and avoiding significant restoration as is currently required. Additionally, the manufacturer provides a 1 year warranty, and will provide any repairs which are needed upon an inspection before the warranty is complete.

For the remaining process/aeration basins, we recommend the application of an epoxy on the upper portion of the basins. These basins are in much better condition overall, primarily because they remain full at all times. As is typical with wastewater facilities, we recommend coating the upper portion of the tanks (near water surface) to protect the concrete from further wear, protecting the concrete surface from wear, and minimizing the need for future repairs.

We recommend that both of the epoxy coatings be applied now during the construction process, since the tanks are currently being taken out of service and cleaned. This reduces costs, as bidding the work separately would result in higher costs since the tanks will again have to be placed out of service and cleaned once again (a significant effort).

Epoxy coatings are typical in water and wastewater applications, and widely utilized to maintain the structures integrity while extending the life. The Tnemec brand has a long history within the water/wastewater industry, and Tnemec stands behind their products. We recommend these coatings as the preferred option to repair and maintain the performance of the existing basins.

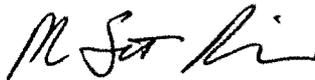
Ms. Becky Hiers-Bray  
1/27/2017  
A120925.06/10

Page 2

SGS Contractors has provided quotes for the proposed coatings. GAI recommends approval of the quotations/change order items for the coatings as provided by SGS. These prices are reasonable based on current industry costs, and significantly less when compare to the alternative of repairing the basin on a "per square foot" basis.

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

Sincerely,  
**GAI Consultants, Inc.**



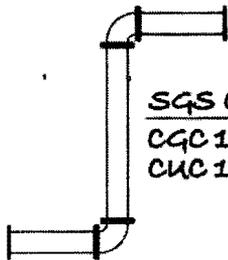
Scott Richards  
Sr. Engineering Manager - Water  
321.319.3039 direct  
321.377.0753 cell

Nassau Amelia Utilities  
 Change Order / Contract Summary  
 1/30/2017

Proposal	Item	Proposal Date	Amount	Change Order
Original Contract			616,212.00	
Proposal #1	Rotary Drum Alternate	11/9/2016	-10,244.90	1
Proposal #2	Butterly Valve Credit	10/26/2016	-41,604.81	1
Proposal #3	Replacement of Influent fittings	12/22/2016	6,070.86	1
Proposal #4	Delete - Coatings for SST Piping	1/27/2017	-13,250.00	1
Proposal #5	Repair/Relining of surge basins	1/27/2017	107,624.00	1
Proposal #6	Exterior Painting	1/27/2017	21,955.00	1
Proposal #7	Interior Coating of Aeration, Anoxic & CC Basins	1/27/2017	61,796.00	1

Total Change 132,346.15  
**Total Contract 748,558.15**

	Substantial	Final
Original Contract Time	246	276
Time Extension CO1	45	45
<b>Total Time</b>	<b>291</b>	<b>321</b>



SGS CONTRACTING SERVICES, INC.

CGC 1514772

CAC 1225090

## **PROPOSAL (#1)**

### **NAU Headworks & Aeration Piping Rehabilitation**

#### *CREDIT for Alternate Screen Manufacturer*

**DATE: 10-24-2016(rev11-09-2016)**

Per the Contract Documents, we are submitting the attached proposal to issue a **CREDIT** to the Owner for the acceptance of an alternate Rotary Drum Screen. This is a change in manufacturer, and is briefly summarized below:

The Bid Documents were based upon the use of a Rotary Drum Screen manufactured by Parkson. An itemized price was included for this equipment in the Bid Form. On August 4, 2016, a meeting was held with GAI Consultants regarding the potential use and associated credit related to an alternate screen manufacturer. On August 29, 2016, a meeting was held with NAU staff, GAI Consultants, SGS Contracting, and JWC/IPEC to discuss the alternate equipment. After review of the proposed alternate equipment, it was determined that the JWC/IPEC Rotary Drum Screen is an acceptable approved equal.

#### **SCOPE OF WORK BY SGS:**

• <i>DELETE</i> – Parkson Rotary Drum Screen	Base Price:	\$66,445.00
	Sales Tax (6%*):	\$3,986.70
	Total Price:	\$70,431.70
• <i>ADD</i> – JWC/IPEC Rotary Drum Screen	Base Price:	\$56,780.00
	Sales Tax (6%*):	\$3,406.80
	Total Price:	\$60,186.80

*\*The 1% surtax has been omitted from this computation, because it is only based on the first \$5,000 and has a ZERO net effect*

#### **NET CHANGE/TOTAL CREDIT: \$ 10,244.90**

Original Contract Amount:	\$616,212.00
Additions/Credits by Previous CO:	\$0.00
Net Change By This Change Order:	(\$10,244.90)
Proposed Contract Amount:	\$605,967.10

## Becky Bray

---

**From:** Samuel Ramirez <S.Ramirez@gaiconsultants.com>  
**Sent:** Thursday, September 01, 2016 9:25 AM  
**To:** Scott Herring  
**Cc:** Seth Simmons  
**Subject:** (NC16-008) NAU HEADWORKS & AERATION PIPING: Conclusions about the Screen

Scott,

On August 29, 2016; the selected general contractor, SGS Contracting Services, Inc.; the alternate screen manufacturer, JWC Environmental – IPEC; and the rep for the alternate screen manufacturer, Barney's Pumps, Inc. met with GAI Consultants, Inc. and Nassau Amelia Utilities personnel to learn and decide if the alternate screen manufactured by JWC Environmental – IPEC is an acceptable approved equal.

Nassau Amelia Utilities personnel concluded that the alternate screen is an approved equal. They are okay with SGS Contracting Services, Inc. submitting the required documentation for substituting the Parkson's screen by JWC Environmental – IPEC's screen. Prior to the meeting you indicated that if the staff was okay with the substitution, you would accept the substitution.

In conclusion, I am directing SGS Contracting Services, Inc. to proceed with the substitution procedure. Unless, we hear otherwise from you.

Thank you for your time on this decision process.

Sincerely,  
Samuel

**Samuel T. Ramirez, PE**  
Engineering Manager

**GAI Consultants, Inc.**  
1301 Riverplace Blvd., Suite 900, Jacksonville, FL 32207

T 904.363.1110 | D 904.559.8107 | M 904.239.2153 | [gaiconsultants.com](http://gaiconsultants.com) |     

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## Becky Bray

---

**From:** Samuel Ramirez <S.Ramirez@gaiconsultants.com>  
**Sent:** Tuesday, August 16, 2016 7:27 AM  
**To:** Scott Herring; Becky Bray  
**Cc:** Seth Simmons; Stephanie Cheshire; Jesus Rodriguez; Janine Pardee; Jeff Blum; Andre Sutherland  
**Subject:** NC16-008 HEADWORKS AND PIPING REPLACEMENT: IPEC Screen assessment conference call minutes

Date: 8/4/2016

Attendees: Jesus Rodriguez (JWCE), Stephanie Cheshire (Barneys Pumps) and Samuel Ramirez (GAI)

The purpose of these meeting minutes is to highlight the major points discussed.

GAI and JWEC discussed the differences between the Parkson and IPEC screens. Based on our discussion, GAI concurred with JWEC that the IPEC screen is an equal to the Parkson screen.

GAI is aggregable to proceed with the formal evaluation as required per contract under Section 00 72 15, Article 6, Paragraph 6.05 Substitutes and "Or-Equals."

GAI requested JWEC that as part of their submittal JWEC shall submit a letter addressing every paragraph of Section 44 42 30 Rotary Drum Screen. The letter should indicate if they meet such paragraph or do not. If they do not, they will indicate the how IPEC differs.

IPEC offered to host a presentation with NAU Operators to review the IPEC screen features and performance. They will provide three tentatively dates for the presentation for the County's consideration.

GAI stated to JWEC that was up to the County if the County wanted to change screen manufacturers.

If you have any questions, let me know.

Thank you,  
Samuel

**Samuel T. Ramirez, PE**  
Engineering Manager

**GAI Consultants, Inc.**  
1301 Riverplace Blvd., Suite 900, Jacksonville, FL 32207

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## Becky Bray

---

**From:** Samuel Ramirez <S.Ramirez@gaiconsultants.com>  
**Sent:** Thursday, August 04, 2016 3:21 PM  
**To:** Scott Herring  
**Cc:** Seth Simmons; Becky Bray; Andre Sutherland  
**Subject:** NC16-008 HEADWORKS AND PIPING REPLACEMENT: Meeting Minutes

Date: 8/4/2016

Attendees: Seth Simmons (SGS) and Samuel Ramirez (GAI)

The purpose of these meeting minutes is to highlight the major points discussed.

Seth discussed potential savings for the county to consider after contract is in place:

1. Screen – IPEC has a similar screen to Parkson’s screen. SGS is offering a \$10,153 saving in equipment only.
2. Valves – The aeration piping lists 14 plug valves that can be replaced butterfly valves. SGS is offering a \$39,368 savings in material only.

I explained to Seth the following:

1. Screen – In order to consider IPEC as an equal to Parkson, SGS needs to submit a formal approve equal request as listed in the bid documents. SGS indicated that they would like to know if the County is okay using IPEC versus Parkson prior to making a formal inquiry. I indicated that I would review the provided information and make an informal-quick assessment of IPC versus Parkson. Then, report to the County my assessment.
2. Valves – The question of the valves is up to the County. For this application, a butterfly valve serves as equal to a plug valve.

If you have any questions, let me know. I will provide my screen informal-quick assessment by Monday 5 pm or sooner.

Thank you,  
Samuel

**Samuel T. Ramirez, PE**  
Engineering Manager

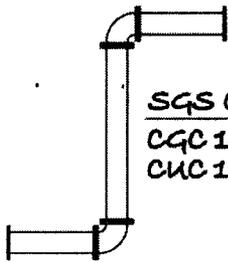
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**SGS CONTRACTING SERVICES, INC.**

CGC 1514772

CAC 1225090

## **PROPOSAL (#2)**

### **NAU Headworks & Aeration Piping Rehabilitation**

#### *CREDIT for Using Butterfly Valves vs. Plug Valves*

**DATE: 10-26-2016**

Per the Contract Documents, we are submitting the attached proposal to issue a **CREDIT** to the Owner for the acceptance of using Butterfly Valves in lieu of plug valves on the aeration piping.

Specifications required the installation of 14 each 3" Plug Valves and 2 each 3" Butterfly Valves, both with gear and operator. In lieu of this, we propose to install 16 each 3" Butterfly Valves with 10 position lever operator. See attached cost breakdown from McDade Waterworks.

#### **SCOPE OF WORK BY SGS:**

• <i>DELETE</i> – 14 each 3" PV (@ \$3,471.81 each)	Base Price:	\$48,605.34
• <i>DELETE</i> – 2 each 3" BFV (@ \$818.96 each)	Base Price:	\$1,637.92
	Sales Tax (6%*):	\$3,014.60
	Total Price:	\$53,257.86
• <i>ADD</i> – 16 each 3" BFV (@ \$687.09 each)	Base Price:	\$10,993.44
	Sales Tax (6%*):	\$659.61
	Total Price:	\$11,653.05

*\*The 1% surtax has been omitted from this computation, because it is only based on the first \$5,000 and has a ZERO net effect*

**NET CHANGE/TOTAL CREDIT: \$ 41,604.81**

Original Contract Amount:	\$616,212.00
Additions/Credits by Previous CO:	(\$10,244.90)
Net Change By This Change Order:	(\$41,604.81)
Proposed Contract Amount:	\$564,362.29



September 9, 2016

Serving the Water & Wastewater Plant Industry for over 25 Years, Please visit us at:  
[www.mcdadewaterworks.com](http://www.mcdadewaterworks.com)

SGS Contracting Serices, 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

REVISED FOR PLUG VALVE VS. BUTTERFLY VALVE PRICING

<u>BID</u> <u>ITEM</u>	<u>QTY</u>	<u>SIZE</u>	<u>DESCRIPTION</u>	<u>UNIT \$</u>	<u>EXT \$</u>
14	03"		SST FLG PLUG VALVE, 100% PORT, 316SS BODY, BUNA PACKING, CHLOROPRENE PLUG FACING, 316SS BOLTS, WITH GEAR & HANDWHEEL	\$3,471.81	\$48,605.34
2	03"		SST WAFER HIGH PERFORMANCE BUTERFLY VALVE, 316SS BODY, PTFE SEAT, 316SS BOLTS, WITH GEAR AND HANDWHEEL	\$818.96	\$1,637.92
TBD	03"		SST WAFER HIGH PERFORMANCE BUTERFLY VALVE, 316SS BODY, PTFE SEAT, 316SS BOLTS, WITH 10 POSITION LEVER OPERATOR	\$687.09	
<b>TOTAL THIS BID ITEM - TAX NOT INCLUDED</b>					<b>\$50,243.26</b>

Notes:

1. All Ductile Iron MJ Fitting Quoted C153 (Compact)
2. All Fitting and Valves Quoted Less Accessories
3. All Buried Ductile Iron Pipe and MJ Fitting Quoted Bituminous Coated
4. All Flange Pipe and Fitting Quoted Prime Coated
5. All Ductile Iron Pipe and Fitting Quoted Protecto 401 Lined
6. All Ductile Iron Fitting (MJ & Flange) Quoted Are Globally Sourced
7. At this time US Pipe and American are not producing fittings 24" and smaller. Fittings are only made by Fitting Manufactures and brands are blended when we ship projects based on availability at time of order.
8. Due to the volatile raw market All C-900 PVC, C-905 PVC, HDPE, SDR 35, Sch 80 PVC, Sch 40 PVC, Stainless Steel, Copper & Brass Pipe, Fittings, Valves, etc will/may need to be re-quoted at the time of purchase. Pricing Subject to Availability.  
 \*\*\* Stainless Steel prices are good till August 19, 2016
9. Flange Accessories Set Prices are Firm for 14 Days from Bid Date, & Must Ship Within 28 Working Days from Bid Date.
10. Stainless Steel Pipe Drawing are not Included in this Quotation. If Required

BID QTY SIZE  
ITEM

DESCRIPTION

UNIT \$

EXT \$

Pipe Drawing, the Cost will be \$2,750.00

11. Pipe Supports - Do not include engineering calculations (ie. wind, seismic, etc). We can recommend someone who can provide this information if requested.

**\*\* DISCLAIMER:**

***McDade Waterworks, Inc. reserves the right to increase prices and/or change escalation terms at any time based on the potential of continued cost volatility.***

**Confidentiality.** Both McDade and Customer agree that the terms of this quotation, including the attached pricing are confidential and shall be held in strict confidence by both parties and may not be disclosed unless required by law. Customer agrees not to post or publicly display the terms or the pricing. Customer also agrees that any discussions or negotiations regarding the attached pricing or any changes thereto (including but not limited to future pricing offerings) are also confidential and are pursuant to this provision of confidentiality.

The above quotation is **our** interpretation of the plans and specifications and should be reviewed by **your** firm for accuracy. Prices do not include valve boxes, ext stems, wrenches, start-up services, etc. unless specifically noted in our quotation. Prices are based on full freight allowed truckload shipments to the project. Additional materials ordered will be furnished on a case by case basis.

Terms: Net 30 Days

FOB: S/P - FFA to Jobsite (Based on Terms Above)

Please call should you have any questions or need any additional pricing.

Sincerely,  
John Bunn

## Becky Bray

---

**From:** Becky Bray  
**Sent:** Wednesday, October 26, 2016 3:21 PM  
**To:** Samuel Ramirez  
**Cc:** Scott Herring; Shelley Caldwell; Danny White; Chester Mason  
**Subject:** Fw: NAU Headworks - Submittal #10 Valves

Samuel,

Per the NAU staff, the butterfly valves will be acceptable.

Please let me know if you have any questions.

Thank you,

Becky Hiers-Bray, P.E.  
Engineer III  
Nassau County Engineering Services  
96161 Nassau Place  
Yulee, Florida 32097  
(904) 530-6225 Phone  
(904) 491-3611 Fax  
[bbray@nassaucountyfl.com](mailto:bbray@nassaucountyfl.com)

---

**From:** Danny White  
**Sent:** Wednesday, October 26, 2016 1:52 PM  
**To:** Becky Bray; Chester Mason; Josh Stillwagon  
**Cc:** Yvonne Thomas  
**Subject:** RE: NAU Headworks - Submittal #10 Valves

Yes.

---

**From:** Becky Bray  
**Sent:** Wednesday, October 26, 2016 11:48 AM  
**To:** Chester Mason; Danny White; Josh Stillwagon  
**Cc:** Yvonne Thomas  
**Subject:** Re: NAU Headworks - Submittal #10 Valves

I just want to confirm that you all want the butterfly valves before I respond to the contractor. There is no changing your mind after this!

Becky Hiers-Bray, P.E.  
Engineer III  
Nassau County Engineering Services  
96161 Nassau Place  
Yulee, Florida 32097  
(904) 530-6225 Phone  
(904) 491-3611 Fax  
[bbray@nassaucountyfl.com](mailto:bbray@nassaucountyfl.com)

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**From:** Chester Mason  
**Sent:** Tuesday, October 25, 2016 10:26:31 AM  
**To:** Becky Bray; Danny White; Josh Stillwagon  
**Cc:** Yvonne Thomas  
**Subject:** Re: NAU Headworks - Submittal #10 Valves

Danny and I have discussed it and have decided that the butterfly valves well work.

Chester Mason  
Lead Water/Wastewater Plant Operator  
NASSAU AMELIA UTILITIES  
Cell: 904-753-4003  
Office: 904-530-6450

---

**From:** Becky Bray  
**Sent:** Monday, October 24, 2016 9:13:41 AM  
**To:** Danny White; Chester Mason; Josh Stillwagon  
**Cc:** Yvonne Thomas  
**Subject:** Fw: NAU Headworks - Submittal #10 Valves

I would like to know if you still want the plug valves or if you want the butterfly valves. It is your preference. I just want to confirm.

Discuss and let me know as soon as you can.

Thank you,

Becky Hiers-Bray, P.E.  
Engineer III  
Nassau County Engineering Services  
96161 Nassau Place  
Yulee, Florida 32097  
(904) 530-6225 Phone  
(904) 491-3611 Fax  
[bbray@nassaucountyfl.com](mailto:bbray@nassaucountyfl.com)

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**From:** Seth Simmons <[seth@sgscsi.com](mailto:seth@sgscsi.com)>  
**Sent:** Wednesday, October 19, 2016 11:06 AM  
**To:** Samuel Ramirez ([S.Ramirez@gaiconsultants.com](mailto:S.Ramirez@gaiconsultants.com))  
**Cc:** Carl Padgett, Jr. ([J.Padgett@gaiconsultants.com](mailto:J.Padgett@gaiconsultants.com)); Becky Bray; [adam.sgscontracting@gmail.com](mailto:adam.sgscontracting@gmail.com); 'shawnheckman@windstream.net'; Danny White  
**Subject:** RE: NAU Headworks - Submittal #10 Valves

Sam –

As a followup to this, I'd still like to ask if the County will consider the butterfly valves in lieu of plug valves. When we were onsite, we noticed that they have a mix of both types on the air lines. Undoubtedly, they've replaced valves over the years with different types.

As I had mentioned, there is a very large savings (\$40,000 +/-) by going to the butterfly valves. The vendor has confirmed that the compatibility and availability of parts for the 316SST body plug valve is very troubling. After the initial order, replacements and parts could take an estimated 20 weeks to obtain due to the rarity of this application. In contrast, 316SST butterfly valves can be obtained in 2 weeks.

I've done some research on this topic this morning to maybe provide some additional information for consideration. Dezurik advertises their high performance butterfly valve (what we submitted) for air service, including modulating/throttling needs. They do not mention this aspect for the plug valves. Some other industry literature suggests that plug valves are suitable for air service, but should only be used for on/off applications (not for adjustments and throttling). Other valves manufacturers appear to concur with this within their product data sheets. Our valve vendor suggests that butterfly valves would be more suitable as well.

Here is an excerpt from the product bulletin for the High Performance Butterfly Valves (note that these are regarded as a significant upgrade over the standard AWWA butterfly valve):

*"High Performance Butterfly Valves comply with API 609 Category B and can be used for shutoff and throttling control. They are designed to handle everything from general applications to viscous and corrosive liquids; corrosive gases and steam."*

Please let me know if you have further thoughts on this.

**Seth G Simmons**  
**SGS Contracting Services, Inc.**  
**14207 NW State Road 45**  
**High Springs, FL 32643**  
**352-745-6950**

---

**From:** Seth Simmons  
**Sent:** Tuesday, October 18, 2016 3:28 PM  
**To:** Samuel Ramirez ([S.Ramirez@gaiconsultants.com](mailto:S.Ramirez@gaiconsultants.com))  
**Cc:** Carl Padgett, Jr. ([J.Padgett@gaiconsultants.com](mailto:J.Padgett@gaiconsultants.com)); Becky Bray ([bbray@nassaucountyfl.com](mailto:bbray@nassaucountyfl.com)); [adam.sgscontracting@gmail.com](mailto:adam.sgscontracting@gmail.com); [shawnheckman@windstream.net](mailto:shawnheckman@windstream.net)  
**Subject:** NAU Headworks - Submittal #10 Valves

Sam –  
See attached submittal for the valves.  
Note that we're submitting lever actuators per County's preference.

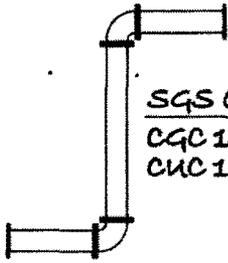
**Seth G Simmons**  
**SGS Contracting Services, Inc.**  
**14207 NW State Road 45**  
**High Springs, FL 32643**  
**352-745-6950**

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SGS CONTRACTING SERVICES, INC.  
CGC 1514772  
CUC 1225090

## **PROPOSAL (#3)**

### **NAU Headworks & Aeration Piping Rehabilitation** *Replacement of Influent Fittings*

**DATE: 12-22-2016**

Per the Contract Documents, we are submitting the attached proposal for the replacement of the influent pipeline fittings, including short sections of related pipeline.

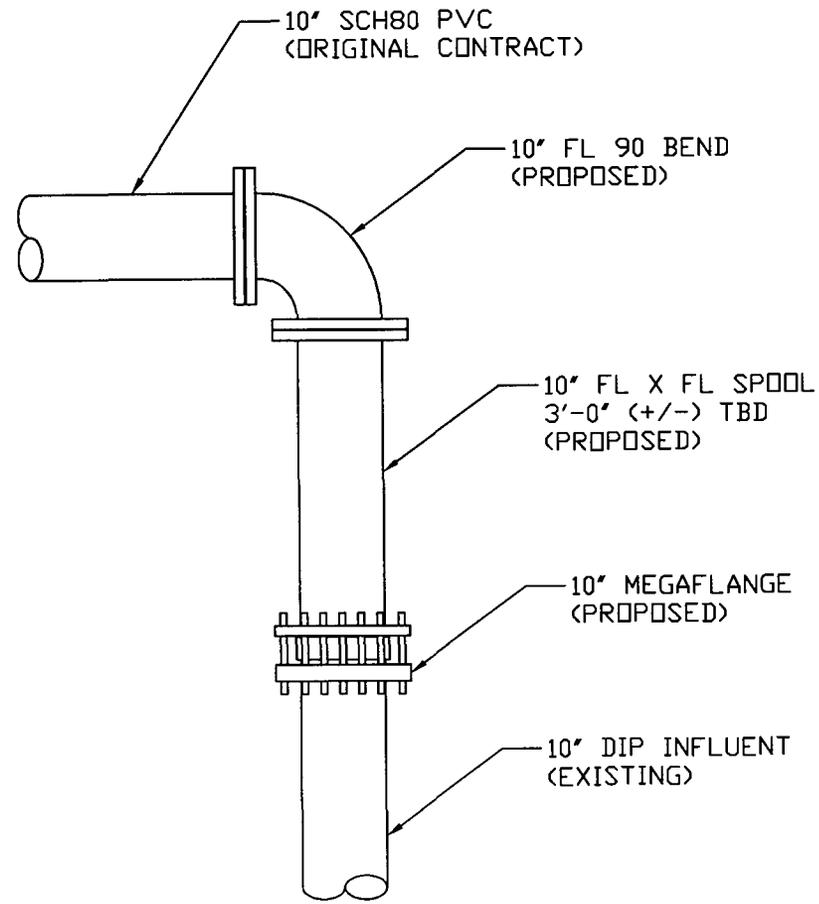
This proposal is as requested by NAU staff in response to our observation that the existing 10" flanged 90 fittings and related flanged connection joints on the three (3) influent pipelines have corroded to point of failure. We have further observed that one of the fittings is currently leaking. We propose to replace three (3) existing flanged 90 fittings and also replace short sections of the influent pipeline (see attached drawing).

#### **SCOPE OF WORK BY SGS:**

- |  |        |             |
|--|--------|-------------|
| • ADD – Pipe & Fittings (attached quote) | Price: | \$ 4,475.86 |
| • ADD – Crew Labor, ½ Day                | Price: | \$ 1,595.00 |

**NET CHANGE/TOTAL CREDIT: \$ 6,070.86**

Original Contract Amount:	\$616,212.00
Additions/Credits by Previous CO:	(\$51,849.71)
Net Change By This Change Order:	\$6,070.86
Proposed Contract Amount:	\$570,433.15



**MCDADE WATERWORKS INC**  
 PO BOX 16039  
 TAMPA, FL 33687-6039

# SALES ORDER

Sales Order Number: 44630  
 Sales Order Date: Dec 20, 2016  
 Ship By: Dec 20, 2016  
 Page: 1

Voice: (813) 740-1144  
 Fax: (813) 627-9387

**To:**  
 SGS CONTRACTING SERVICES INC  
 14207 NW STATE ROAD 45  
 HIGH SPRINGS, FL 32643

**Ship To:**  
 SGS CONTRACTING SERVICES INC  
 14207 NW STATE ROAD 45  
 HIGH SPRINGS, FL 32643

<b>Customer ID</b>	<b>PO Number</b>	<b>Sales Rep Name</b>
SGS CONTRACTING	122116-NASSAU-C.O.	
<b>Customer Contact</b>	<b>Shipping Method</b>	<b>Payment Terms</b>
	B/W-PPA	Net 30 Days

Quantity	Item	Description	Unit Price	Amount
3.00	2110LHW	10" MEGAFLANGE #2110 L/HARDWARE	252.17	756.51
3.00	2110/2112SS316B	(12) 7/8" X 7 1/2" 316SS BOLT AND NUT FOR 10" AND 12" MEGAFLANGE	93.00	279.00
3.00	401FB9010	10" FLG 90, 401 LINED, P/C	480.00	1,440.00
3.00	FAS316SSLG 10/12	10/12" FAS, 316SS B & N KIT, L/GASKET	46.00	138.00
3.00	FFN10	10" FF NEOPRENE GASKET, 1/8" THICK, 125/150# DRILLING	5.18	15.54
3.00		10" X 3'-0" FLG X FLG DIP, 401 LINED, P/C.	468.00	1,404.00
<del>3.00</del>	<del>FAS316SSLG 10/12</del>	<del>10/12" FAS, 316SS B &amp; N KIT, L/GASKET</del>	<del>46.00</del>	<del>138.00</del>
<del>3.00</del>	<del>FFN10</del>	<del>10" FF NEOPRENE GASKET, 1/8" THICK, 125/150# DRILLING</del>	<del>5.18</del>	<del>15.54</del>
<del>48.00</del>		<del>7/8" FW 316SS</del>	<del>0.40</del>	<del>19.20</del>

PLEASE ADD APPROX. \$150 FOR FREIGHT

These items not part of change order; needed for original contract

Subtotal: \$4,033.05  
 Freight: \$150.00  
 Tax (7%): \$292.81  
 TOTAL: \$4,475.86

Subtotal	4,205.79
Sales Tax	252.35
Freight	0.00
<b>TOTAL ORDER AMOUNT</b>	<b>4,458.14</b>

## Becky Bray

---

**From:** Seth Simmons <seth@sgscsi.com>  
**Sent:** Wednesday, December 14, 2016 1:43 PM  
**To:** Becky Bray; Sid T. Howell Jr.; Ron Hoogland; Chester Mason; Danny White; Josh Stillwagon  
**Cc:** Sarah Ritzmann  
**Subject:** RE: NC16-008: Headworks & Air Piping - Pgs. Mtg. No. 3 Minutes - DRAFT

Thanks Becky. We can get a proposal together for the three influent 90's. I'll take a look while onsite tomorrow to see if there's anything extra that's needed. I believe that they were connected with a uni-flange, in which case we would want to replace those as well with mega-flanges.

*Our office will be closed beginning on December 22 @ 12PM through January 1, 2017. We will return to work on January 2, 2017 --- Merry Christmas*

**Seth G Simmons**  
**SGS Contracting Services, Inc.**  
**14207 NW State Road 45**  
**High Springs, FL 32643**  
**352-745-6950**

---

**From:** Becky Bray [mailto:bbray@nassaucountyfl.com]  
**Sent:** Wednesday, December 14, 2016 1:38 PM  
**To:** Samuel Ramirez; Seth Simmons; Sid T. Howell Jr.; Ron Hoogland; Chester Mason; Danny White; Josh Stillwagon  
**Cc:** Sarah Ritzmann  
**Subject:** Re: NC16-008: Headworks & Air Piping - Pgs. Mtg. No. 3 Minutes - DRAFT

All,

In response to the 12/8/16 meeting action items that were NAU's responsibly:

NAU does not have any 90 degree elbows of this type or size. Is this something that SGS could provide a cost proposal for providing and installing 3 new fittings?

A water meter will be required. Please contact the NAU Customer Service Department at (904) 530-6030.

The check for SGS payment request #1 was cut on 12/6/16. Please keep in mind that from the time I receive an invoice, it generally takes about 4 weeks for a check to be cut, give or take a little depending on holidays.

Please let me know if you have any questions.

Thank you,

**Becky Hiers-Bray, P.E.**  
Engineer III  
Nassau County Engineering Services  
96161 Nassau Place  
Yulee, Florida 32097  
(904) 530-6225 Phone  
(904) 491-3611 Fax

bbray@nassaucountyfl.com

---

**From:** Samuel Ramirez <[S.Ramirez@gaiconsultants.com](mailto:S.Ramirez@gaiconsultants.com)>  
**Sent:** Thursday, December 8, 2016 10:09:55 PM  
**To:** 'Seth Simmons'; Sid T. Howell Jr.; Ron Hoogland; Chester Mason  
**Cc:** Becky Bray; Sarah Ritzmann  
**Subject:** NC16-008: Headworks & Air Piping - Pgs. Mtg. No. 3 Minutes - DRAFT

All,

Please, review the attached meeting minutes. Edit the enclosed document use track changes. Email your changes back to Ron Hoogland and Sarah Ritzmann.

Submit your edits Monday 12 by 1 pm.

Thank you,  
Samuel

**Samuel T. Ramirez, PE**  
Engineering Manager

**GAI Consultants, Inc.**  
1301 Riverplace Blvd., Suite 900, Jacksonville, FL 32207

T 904.363.1110 | D 904.559.8107 | M 904.239.2153 | [gaiconsultants.com](http://gaiconsultants.com) |    

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## Becky Bray

---

**From:** Danny White  
**Sent:** Tuesday, December 27, 2016 10:05 AM  
**To:** Becky Bray; Chester Mason; Josh Stillwagon  
**Cc:** Yvonne Thomas  
**Subject:** RE: NAU Headworks - Proposal for Influent Fittings

Okay with the proposal. Need to remember that NO spillage is allowed during the work. I have discussed this before with the two contractors working onsite.

**From:** Becky Bray  
**Sent:** Tuesday, December 27, 2016 8:25 AM  
**To:** Danny White; Chester Mason; Josh Stillwagon  
**Cc:** Yvonne Thomas  
**Subject:** Fw: NAU Headworks - Proposal for Influent Fittings

All,  
  
Please review the attached proposal for the 90s at the headworks and let me know if the 90 and spool materials and lengths are acceptable or not. Please provide a response by the end of day on Thursday, December 29th.

Thank you!!

Becky Hiers-Bray, P.E.  
Engineer III  
Nassau County Engineering Services  
96161 Nassau Place  
Yulee, Florida 32097  
(904) 530-6225 Phone  
(904) 491-3611 Fax  
[bbray@nassaucountyfl.com](mailto:bbray@nassaucountyfl.com)

---

**From:** Seth Simmons <[seth@sgscsi.com](mailto:seth@sgscsi.com)>  
**Sent:** Thursday, December 22, 2016 11:38 AM  
**To:** Becky Bray; Ron Hoogland ([r.hoogland@gaiconsultants.com](mailto:r.hoogland@gaiconsultants.com))  
**Cc:** [shawnheckman@windstream.net](mailto:shawnheckman@windstream.net); Adam Souilliard; Sid T. Howell Jr. ([T.Howell@gaiconsultants.com](mailto:T.Howell@gaiconsultants.com))  
**Subject:** NAU Headworks - Proposal for Influent Fittings

Becky & Ron –

Per our discussions, please see attached change order proposal. The only change from the original discussions is that we've added some short spool pieces. In order to perform the work, we will need to cut off some existing bad metal on the pipelines. This will make the centerline elevations lower, which will require us to add something back into it so it will be at the correct height for the new influent box. We chose 3'-0" long spools to make sure its covered. There's not an appreciable price difference for pipe this size if we went 6" or 12" shorter.

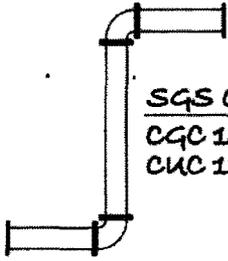
Let me know if you have any questions. Merry Christmas!

*Our office will be closed beginning on December 22 @ 12PM through January 1, 2017. We will return to work on January 2, 2017 --- Merry Christmas*

**Seth G Simmons  
SGS Contracting Services, Inc.  
14207 NW State Road 45  
High Springs, FL 32643  
352-745-6950**

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SGS CONTRACTING SERVICES, INC.  
CGC 1514772  
CUC 1225090

## **PROPOSAL (#4)**

### **NAU Headworks & Aeration Piping Rehabilitation**

#### *CREDIT for Deleting SST Pipe Coatings*

**DATE: 01-27-2017**

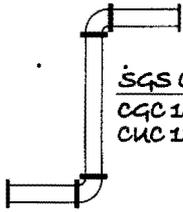
Per the Contract Documents, we are submitting the attached proposal to CREDIT the cost of the originally specified stainless steel air and RAS piping coatings. This is in accordance with the response to RFI #02 (dated 12-14-2016)

**SCOPE OF WORK BY SGS:**

- *DELETE* – Coatings for SST Piping Price: \$ 13,250.00

**NET CHANGE/TOTAL CREDIT: \$ (13,250.00)**

Original Contract Amount:	\$616,212.00
Additions/Credits by Previous CO:	(\$45,778.85)
Net Change By This Change Order:	(13,250.00)
Proposed Contract Amount:	\$557,183.15



**SGS CONTRACTING SERVICES, INC.**  
 CQC 1514772  
 CMC 1225090

## REQUEST FOR INFORMATION

RFI Number: 02

**Project:** NAU Headworks and Aeration Piping Rehab

**To:** Ron Hoogland                      **Date:** 12-14-2016

**From:** Seth Simmons – SGS Contracting                      **Project Number:** \_\_\_\_\_

**Subject:** Air Piping Coatings

### Request

Specification Section:	Paragraph:	Drawing Reference:	Detail:
------------------------	------------	--------------------	---------

Contract documents require that new stainless steel air piping be coated. It was previously acknowledged that the specifications requiring this were derived from JEA documents related to enclosed lift station/pump stations. It was also acknowledged that corrosion existing on the current air piping system is a result of using dissimilar materials for fasteners and supports.

We would like to offer the following observations:

- The new air piping is not subject to the same environmental conditions as enclosed lift stations and pump stations.
- The new construction will not utilize dissimilar materials. All fasteners and supports will be stainless steel. Where connections are required to non-stainless items, isolation components will be used.
- It is highly uncommon to paint stainless steel air piping as used in this application. Not only is it difficult to develop a well-adhering paint surface on stainless steel, but also the excessive heat produced by the service combined with that which will be caused by sunlight creates a very unsuitable condition for coating longevity.
- The specified products do not provide for stainless steel materials as an "intended use" nor do they provide surface preparation instructions for stainless steel.

Prior to contract award, we met with Sam Ramirez to discuss potential value-engineering options for the project. At the time, we offered a reduction in cost in the amount of \$13,250.00 if the stainless steel piping did not require coating. He instructed that this would be a pending item.

Please advise if stainless steel air piping should be coated per the project specifications.

Request by: Seth Simmons                      Signed: \_\_\_\_\_                      Date: \_\_\_\_\_

### Response

GAI agrees with and advises that the stainless piping not be coated. We understand that all materials in contact should be stainless steel. However, please note that for any connection to dissimilar metals, a dielectric union should be utilized to isolate the components. As noted, a credit should be issued to the County for the coating savings.

Response by: Scott Richards

Signed:

Date: 1/17/2017

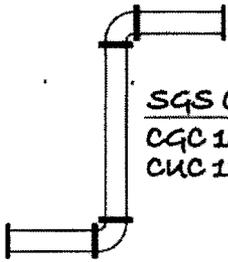
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**Attachments (list):**

---

**Copies:**  Owner  Engineer  Contractor  File  \_\_\_\_\_  \_\_\_\_\_

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SGS CONTRACTING SERVICES, INC.  
CGC 1514772  
CUC 1225090

## **PROPOSAL (#5)**

### **NAU Headworks & Aeration Piping Rehabilitation** *Repair & Liner Coating of Surge Basins*

**DATE: 01-27-2017**

Per the Contract Documents, we are submitting the attached proposal for the repair & liner coating of the surge basin walls. The scope of work for this proposal is detailed below.

- SF of walls approximately 2,000 SF per surge basin (4,000 SF total for two basins)
- Areas of exposed reinforcing will be cut/chipped back approximately 1" to 1.5", and reinforcing which has not failed shall be recessed back into chipped wall area. If failed reinforcing bars are encountered, area shall be chipped back as described above and reinforcing bars replaced. Exposed reinforcing to be coated with Tnemec Series 1 Omni-Thane. (Note, this effort shall not apply to exposed form-tie, snap-ties, or other tie-wire locations. Such areas will be protected by the Tnemec 217 coating as described below.)
- Pressure wash and sandblast all wall surfaces to remove loose concrete and foreign materials.
- Resurface walls with Tnemec Series 217 Mortar-Crete, minimum ¼" thickness.
- Sandblast again to achieve CSP 4 blast profile.
- Apply one coat of Tnemec Series 66HS or Tnemec Series 161HS as primer (6-8 mils DFT)
- Apply two coats of Tnemec Series 61 Tneme-Liner, final coat to be gray (12-16 mils DFT)

#### **SCOPE OF WORK BY SGS:**

- *ADD – Coatings as described above* Price: \$ 53,812.00 (per basin)  
(Based on subcontractor price of \$51,250 PLUS contractor's 5% Fee)

<b><u>NET CHANGE/TOTAL CREDIT:</u></b>	<b><u>\$ 107,624.00</u></b>
Original Contract Amount:	\$616,212.00
Additions/Credits by Previous CO:	(\$61,028.85)
Net Change By This Change Order:	\$107,624.00
Proposed Contract Amount:	\$664,807.15

# CRYSTAL COATINGS INC

12815 SW 50th Terrace  
Ocala, FL 34473  
Phone:(352)263-3241

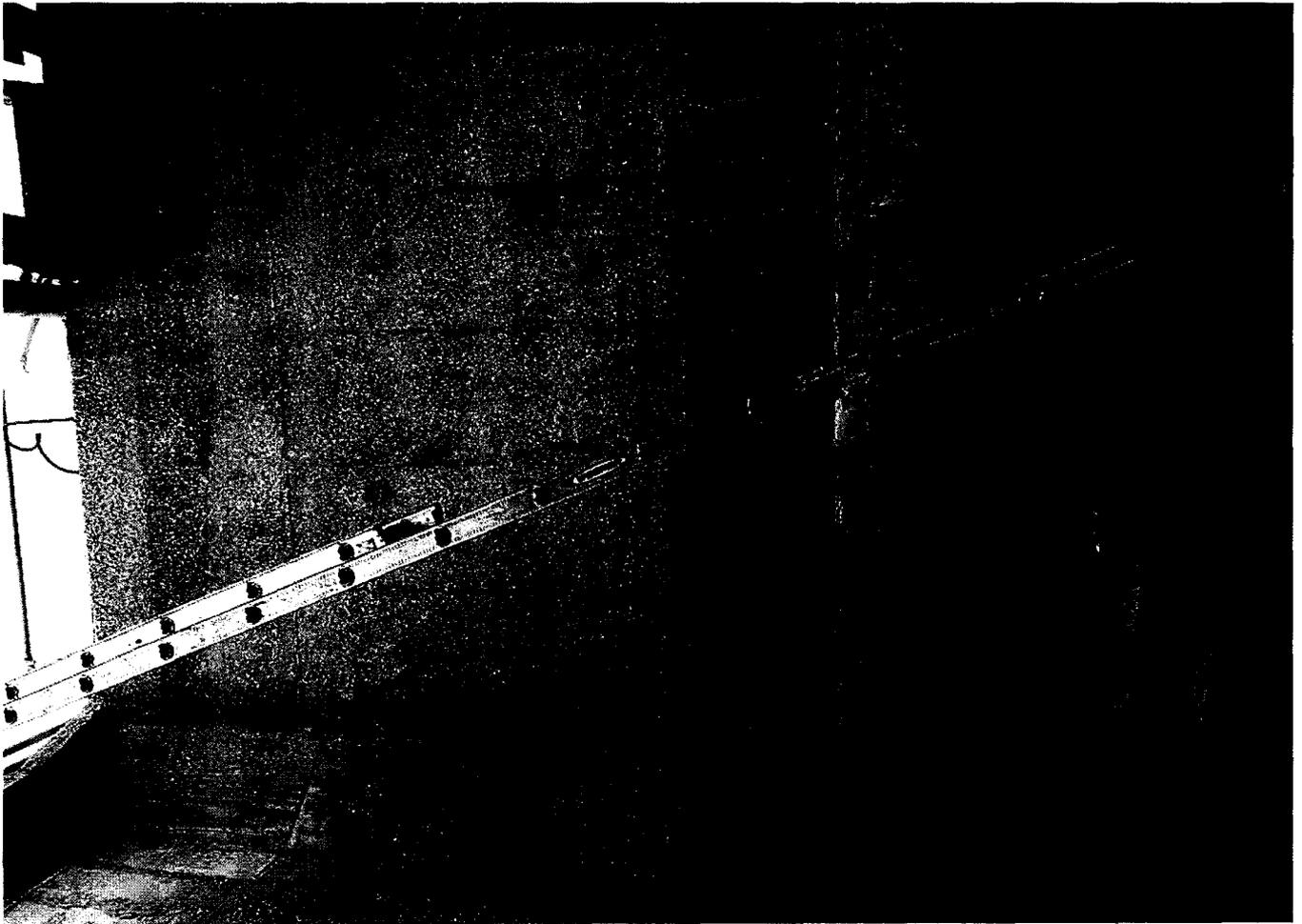
DATE: January 24, 2017

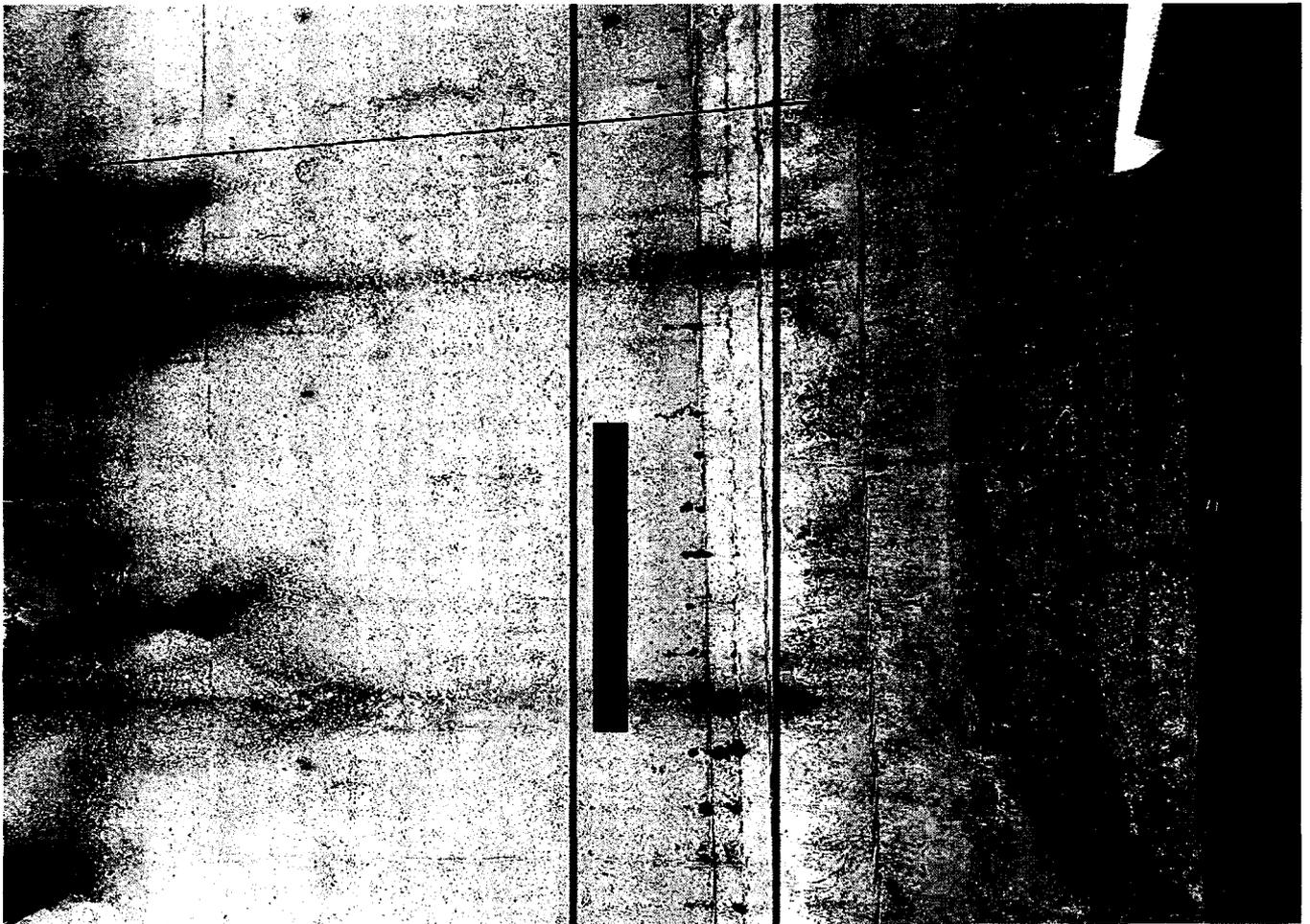
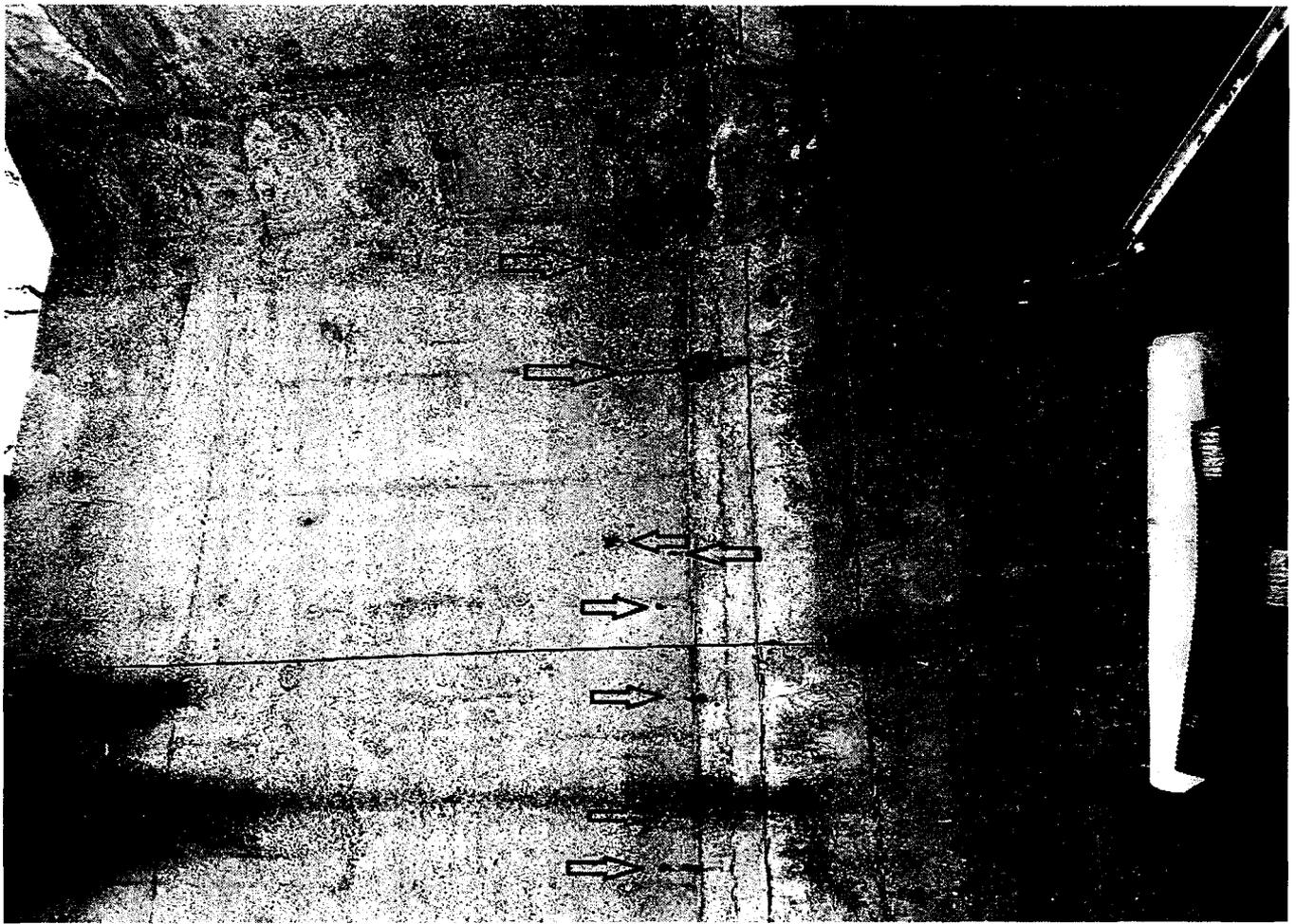
FOR: NASSAU WWTP  
SURGE BASINS

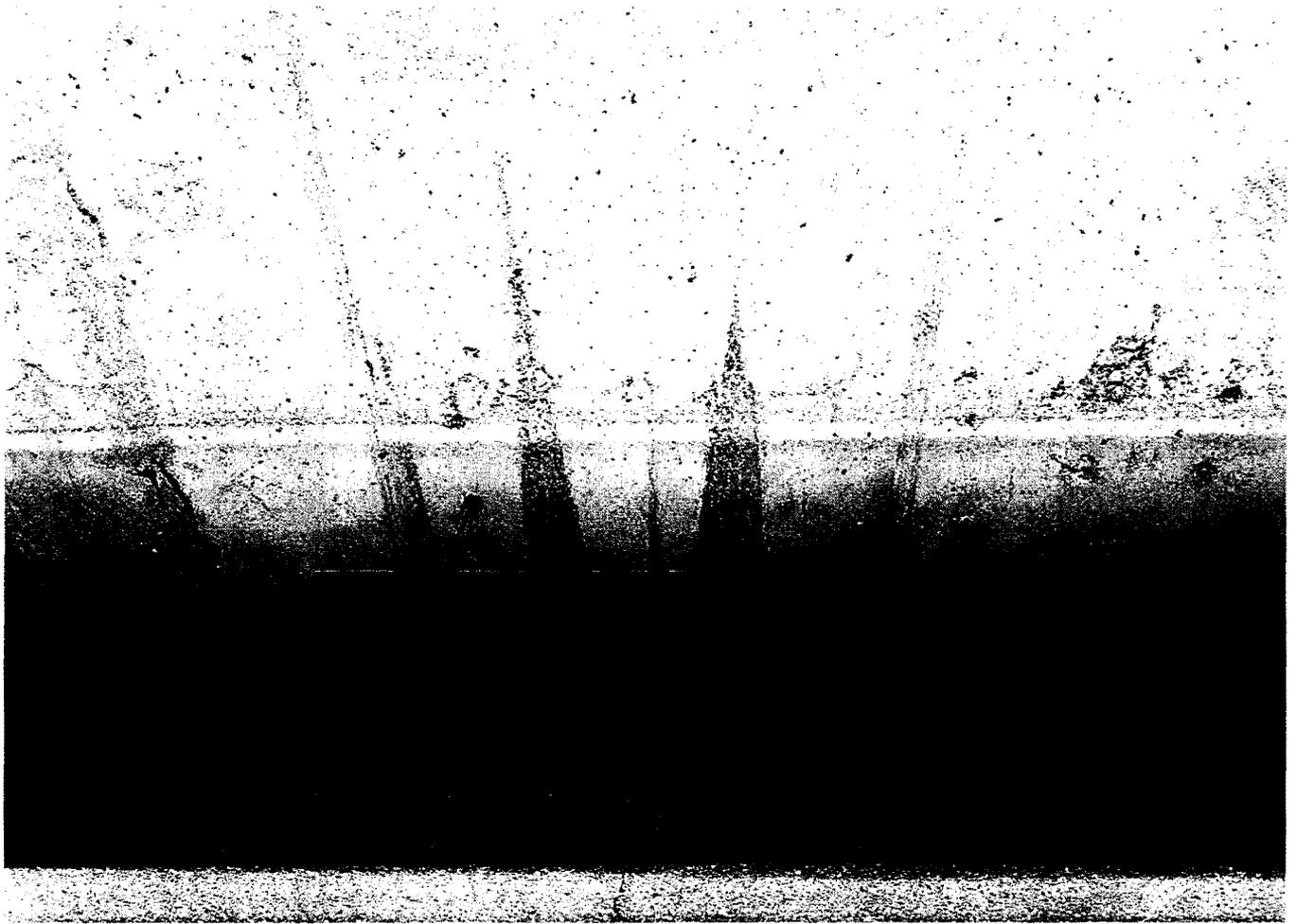
TO: SGS CONTRACTING SERVICES

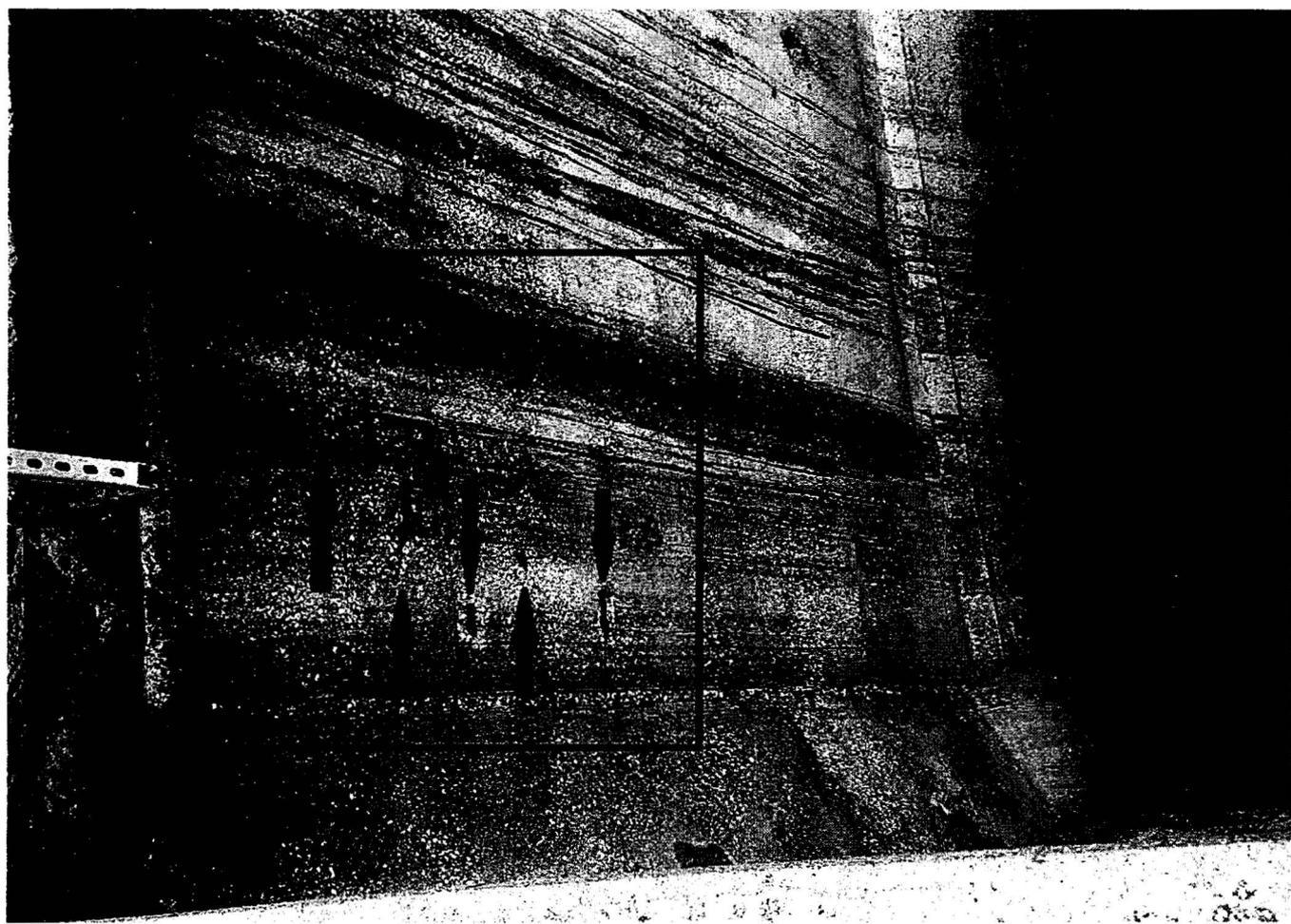
DESCRIPTION	AMOUNT
REPAIR AREAS OF EXPOSED REBAR AND PLACE TNEMEC SER 217 IN AREA COAT EXPOSED REBAR WITH TNEMEC SER 1 PRESSURE WASH AND SANDBLAST TO CSP 4  RESURFACE WALLS WITH TNEMEC SER. 217 FOR 1/4" MIN. DEPTH ONE COAT OF TNEMEC SER. 66HS 2 COATS OF TNEMEC SER. 61  NOTE: ONLY INCLUDES WALLS AND FEATHERING DOES NOT INCLUDE REPAIR OF OTHER CONCRETE DAMAGE NOT ON WALLS SURGE TANK ONLY, ROUGHLY 2000 SF PER TANK  <u>PRICE IS PER SURGE TANK, SO DOUBLE PRICE FOR BOTH TANKS</u>	
<b>TOTAL</b>	<b>\$ 51,250.00</b>

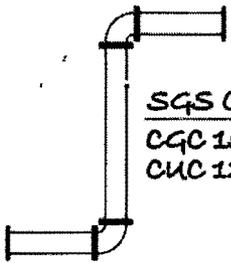
THANK YOU FOR YOUR BUSINESS!











SGS CONTRACTING SERVICES, INC.

CGC 1514772

CUC 1225090

## **PROPOSAL (#6)**

### **NAU Headworks & Aeration Piping Rehabilitation**

#### *Exterior Painting of Package Plant*

**DATE: 01-27-2017**

Per the Contract Documents, we are submitting the attached proposal for the exterior painting of the existing package plant structure. The scope of work for this proposal is detailed below.

- Pressure wash complete exterior to remove loose concrete and foreign materials.
- One coat of Tnemec Series 156 Enviro-Crete (color selected by Owner).

#### **SCOPE OF WORK BY SGS:**

• ADD – Coatings as described above	Price:	\$ 20,500.00
• ADD – 2% bond premium (orig. contract price exceeded)	Price:	\$ 410.00
	Subtotal:	\$ 20,910.00
	5% Fee:	\$ 1,045.00

**NET CHANGE/TOTAL CREDIT: \$ 21,955.00**

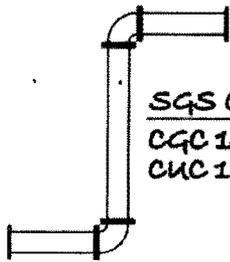
Original Contract Amount: \$616,212.00

Additions/Credits by Previous CO: \$48,595.15

Net Change By This Change Order: \$21,955.00

Proposed Contract Amount: \$686,762.15





SGS CONTRACTING SERVICES, INC.

CGC 1514772

CAC 1225090

## **PROPOSAL (#7)**

### **NAU Headworks & Aeration Piping Rehabilitation**

#### *Interior Coating of Aeration, Anoxic and Post-Oxic*

**DATE: 01-27-2017**

Per the Contract Documents, we are submitting the attached proposal for the interior of the aeration, anoxic and post-oxic basin coatings. The scope of work for this proposal is detailed below.

- Pressure wash and sandblast walls (upper 4') to remove loose concrete and foreign materials.
- Two coats of Tnemec Series 46H-413 on the upper 4' of wall surfaces.
- Includes misc. minor spall repairs with Tnemec Series 217 Mortar-Crete in upper 4' area

#### **SCOPE OF WORK BY SGS:**

- *ADD – Coatings as described above, PER TRAIN* Price: \$ 28,850.00
- *ADD – 2% bond premium (orig. contract price exceeded)* Price: \$ 577.00

Subtotal: \$ 29,427.00

5% Fee: \$ 1,471.00

TOTAL PER TRAIN: \$30,898.00

TOTAL BOTH TRAINS: \$61,796.00

**NET CHANGE/TOTAL CREDIT: \$ 61,796.00**

Original Contract Amount: \$616,212.00

Additions/Credits by Previous CO: \$70,550.15

Net Change By This Change Order: \$61,796.00

Proposed Contract Amount: \$748,558.15

# CRYSTAL COATINGS INC

12815 SW 50th Terrace  
Ocala, FL 34473  
Phone:(352)263-3241

DATE: January 26, 2017

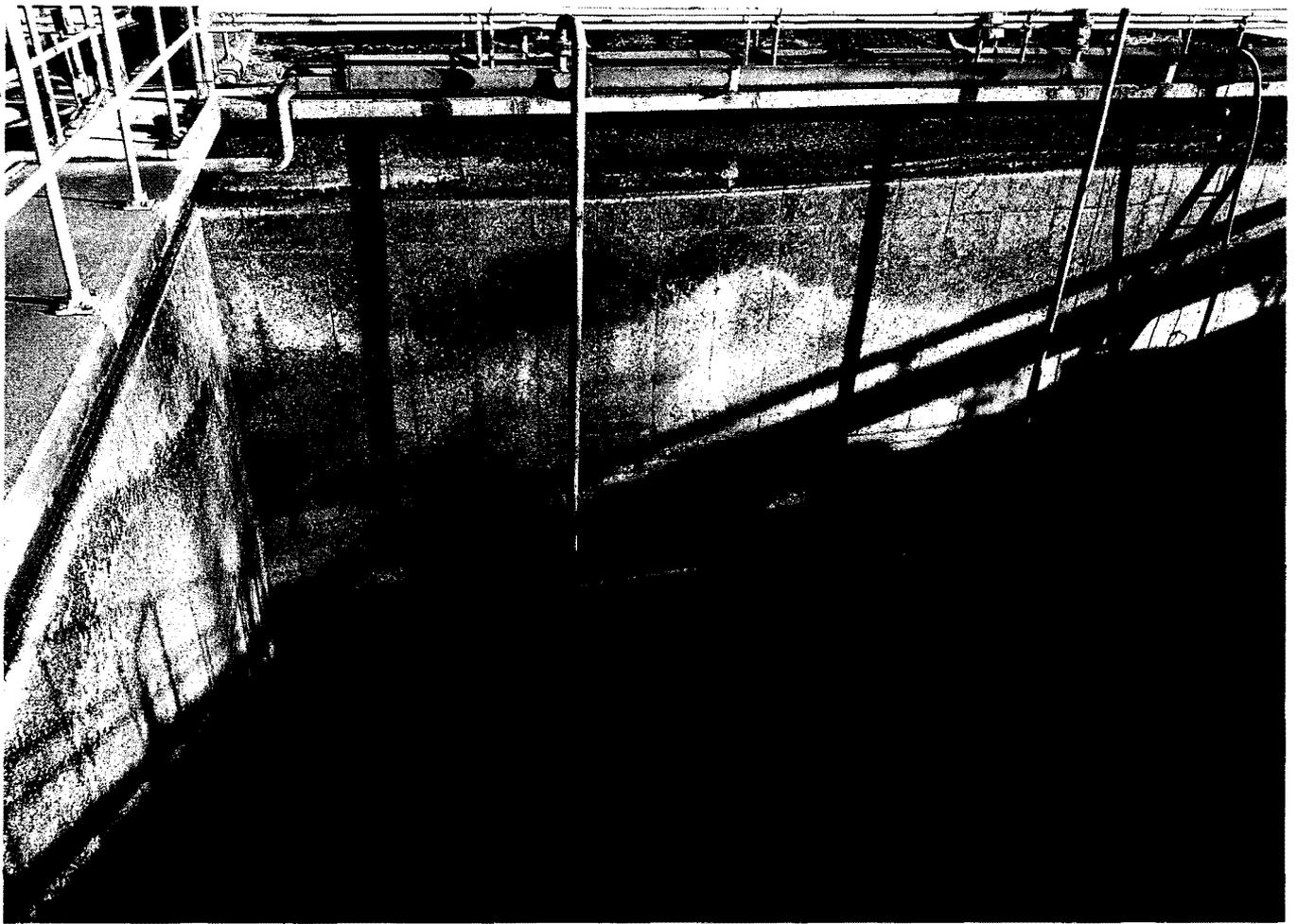
FOR: NASSAU WWTP  
AERATION BASINS

TO: SGS CONTRACTING SERVICES

DESCRIPTION	AMOUNT
<p>PRESSURE WASH AND SANDBLAST 2 COATS OF TNEMEC SER. 46 COAL TAR SPALL REPAIRS AS REQUIRED</p> <p>NOTE: WORK INCLUDES ALL INTERIOR BASINS EXCEPT SURGE TANKS ONLY INCLUDES UPPER 4' OF WALL AREA NO FLOORS OR OTHER CONCRETE REPAIR</p> <p><u>PRICE IS PER TRAIN, FOR BOTH TRAINS DOUBLE PRICE</u></p>	
<b>TOTAL</b>	<b>\$ 28,850.00</b>

THANK YOU FOR YOUR BUSINESS!





**WWTF Headworks  
Project Budget**

Approved with the CIP adopted at the  
September 22, 2014 Board Meeting

**Original Budget**

Construction	\$	301,681	
Engineering and Post Design Services	\$	48,319	
Contingency	\$	70,000	
<b>Rounded Total</b>	<b>\$</b>	<b>420,000</b>	

Engineer's Opinion of Cost for Construction  
NTP 11/24/14

**Post-Design Budget**

Construction	\$	305,000	
Engineering and Post Design Services	\$	67,368	GAI
Contingency	\$	47,632	
<b>Total</b>	<b>\$</b>	<b>420,000</b>	

Lowest Bidder Received 7/14/16 - August  
17, 2016 Board Meeting Agenda

**Bid Award**

August 17, 2016 Board Meeting Agenda

Construction	\$	272,562	SGS Contracting Svcs
Engineering	\$	67,368	GAI
CEI Services	\$	25,000	GAI
Sub-total	\$	364,930	
Contingency	\$	55,070	
<b>Grand Total</b>	<b>\$</b>	<b>420,000</b>	

Lowest Bidder Received 7/14/16 - August  
17, 2016 Board Meeting Agenda  
February 13, 2017 Board Meeting

**Active-Construction Budget**

August 17, 2016 Board Meeting Agenda

Construction	\$	272,562	SGS Contracting Svcs
Concrete Repairs and Coatings	\$	103,450	
Engineering	\$	67,368	GAI
CEI Services	\$	25,000	GAI
Sub-total	\$	468,380	
Contingency	\$	55,070	
<b>Grand Total</b>	<b>\$</b>	<b>523,450</b>	

**WWTF Aeration Piping  
Replacement Project  
Budget**

**Original Budget**

Approved with the CIP adopted at the  
September 22, 2014 Board Meeting

Construction	\$	150,000	
Engineering and Post Design Services	\$	30,000	
Contingency	\$	36,000	
<b>Rounded Total</b>	<b>\$</b>	<b>216,000</b>	

**Post-Design Budget**

Engineer's Opinion of Cost for Construction  
NTP 11/24/15

Construction	\$	175,000	
Engineering and Post Design Services	\$	19,588	GAI
Contingency	\$	21,412	
<b>Total</b>	<b>\$</b>	<b>216,000</b>	

**Bid Award**

Lowest Bidder Received 7/14/16 - August  
17, 2016 Board Meeting Agenda

August 17, 2016 Board Meeting Agenda

Construction	\$	343,650	SGS Contracting Svcs
Engineering	\$	19,588	GAI
CEI Services	\$	25,000	GAI
Sub-total	\$	388,238	
Contingency	\$	68,262	
<b>Grand Total</b>	<b>\$</b>	<b>456,500</b>	

**Active-Construction Budget**

Lowest Bidder Received 7/14/16 - August  
17, 2016 Board Meeting Agenda

February 13, 2017 Board Meeting

August 17, 2016 Board Meeting Agenda

Construction	\$	343,650	SGS Contracting Svcs
Concrete Repairs and Coatings	\$	28,896	
Engineering	\$	19,588	GAI
CEI Services	\$	25,000	GAI
Sub-total	\$	417,134	
Contingency	\$	68,262	
<b>Grand Total</b>	<b>\$</b>	<b>485,396</b>	