

**WORK AUTHORIZATION # CM1831-WA12
NASSAU COUNTY
BOARD OF COUNTY COMMISSIONERS**

16 OCT 28 PM 4:25

Consultant:	GAI Consultants, Inc.
Contract Number:	CM1831
Contact Name:	Samuel T. Ramirez, PE
Contact Number:	904-559-8107
Email:	S.Ramirez@gaiconsultants.com

CURRENT WORK AUTHORIZATION			
Project Short Title: NAU Clarifier No. 1 and No. 2 Rehabilitation			
		CONTRACT OVERVIEW	
Date Submitted	10-21-2016	Total of Previous Authorizations	\$464,201.00
Change Orders/Adjustments		Change Orders/Adjustments	(2,200.90)
Amount	\$106,710.00	This Work Authorization	\$106,710.00
Scheduled Completion	8 months from NTP	Current Contract Total	\$568,710.10

This Work Authorization is to the AGREEMENT between Nassau County and the Consultant known as the Continuing Contract for Professional Engineering Services for Nassau County, Florida, dated March 21, 2012. The services to be provided under this Work Authorization are as follows:

ARTICLE 1. Services Described as:

PART 1 – PROJECT OVERVIEW

GAI will assist NAU in the rehabilitations of Clarifier No. 1 and Clarifier No. 2.

PART 2 – SERVICES

GAI will perform a series of professional services associated with projects listed above. Details are enclosed in Exhibit A.

ARTICLE 2. Time Schedule

GAI will complete the project in eight months after receiving work authorization notice to proceed (NTP) for the respective project.

ARTICLE 3. Budget

The total fee is \$106,710.

ARTICLE 4. Other Provisions

See Exhibit A and B.

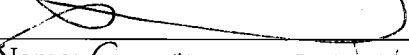
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The Services covered by this Work Authorization will be performed in accordance with the provisions set forth in the AGREEMENT referenced above and any of its attachments or schedules. This Work Authorization will become a part of the referenced AGREEMENT when executed by both parties.

In presenting this Work Authorization, Consultant agrees that:

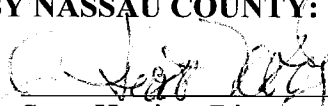
Unless detailed herein, all drawings, data, electronic files and other information required for this Work Authorization has been accepted by Consultant. Specifically, all electronic files have been reviewed and accepted for the purposes of this Work assignment. Any additional information, including detailed scope of services are attached.

AGREED TO BY:

BY: 
Print Name: Gregory T. Nettuno, PE
Title: Senior Vice President
Date: October 25, 2016

RECOMMENDED AND APPROVED BY NASSAU COUNTY:

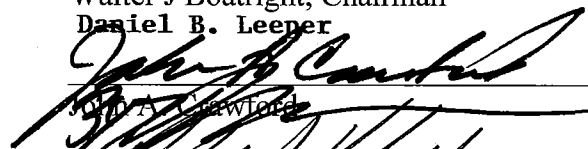
Public Works Director:


Scott Herring, Director

Board of County Commissioner, Chair:


Walter J. Boatright, Chairman
Daniel B. Leeper

Ex-Officio Clerk:


John A. Lawlor

County Attorney:


Michael Mullin

MES
12.21.16

APPROVED by the BOARD OF COUNTY COMMISSIONERS, the 21st day of
December, 2016.

EXHIBIT A
SCOPE OF SERVICES
CLARIFIER NO. 1 AND NO. 2 REHABILITATION
NASSAU COUNTY, FLORIDA

I. BACKGROUND

NAU's Capital Improvement Program fiscal year (FY) 2016-2017 has identified the following projects:

- Clarifier No. 1 Rehabilitation (West of Aerator Tanks and manufactured by Kusters Water)
- Clarifier No. 2 Rehabilitation (North of Aerator Tanks and manufactured by EIMCO)

These projects are necessary to continue meeting NAU's level of service. The listed infrastructures have exceeded their design life cycles. Visual inspections of these infrastructures showed high level of deterioration caused by the exposure to hydrogen sulfide over the years.

II. SCOPE OF SERVICES

The scope of services will be managed and develop in the following tasks:

Task 1 – Project Management

1. Kick-off Meeting: GAI will meet with NAU key personnel to introduce project team, define the project communication protocol, and review scope of service and project expectations. GAI will prepare meeting minutes.
2. Progress Meetings: GAI will host up to three review or progress meeting at the County or at GAI facilities.

Task 2 – Data Collection/Assessment

1. GAI will use and study the record drawings title "0.25 MGD Wastewater Treatment Plant Expansion to Existing 0.6 MGD Plant" to create new construction plans for Clarifier No. 1 and "Sewage Treatment Plant" to create new construction plans for Clarifier No. 2.
2. GAI's project manager and structural engineer will visit the site and take pictures of the structure to be included in the bid documents.
3. GAI will survey the structure:
 - 3.1. GAI will complete the topographic to prepare survey base mapping for the structure.
 - 3.2. All evident planimetric and topographic features will be surveyed and mapped.
 - 3.3. Underground utilities will be shown to the extent possible based on surface evidence, maps of record and vertical surveying.
 - 3.4. Mapping will be provided at an appropriate scale for design and will be completed in AutoCAD Civil 3D.

Task 3 – Design

1. Civil Engineering Services
 - 1.1. Prepared demolition plans
 - 1.2. Create site plans including yard piping
2. Structural Engineering Services
 - 2.1. Create necessary details to support the concrete rehabilitation technical specifications.

CLARIFIER NO. 1 AND NO. 2 REHABILITATION

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- 2.2. Develop technical specification for structural rehabilitation requirements and coating.
3. Process Engineering Services
 - 3.1. Prepared demolition plans.
 - 3.2. Specify a clarifier identical to the existing clarifier. Specification will be written around KRUSTER and OVIVO (fka EIMCO). GAI will consider one more manufacturer Westech.
 - 3.3. Design and specify provisions to isolate each clarifier.
4. Electrical Engineering Services
 - 4.1. Prepared demolition plans.
 - 4.2. Design and specify the power, signal, lighting and grounding.
5. Instrumentation Engineering Services
 - 5.1. Design and specify instrumentation (schematic diagrams and control wiring diagrams).
6. Prepare and submit 60% design plans and technical specifications. The 60% submittal will include:
 - Technical Specifications for clarifier with three manufactures and concrete rehab/coating.
 - Demolition Plans (Mechanical, Structural, Electrical and Instrumentation)
 - Mechanical, Structural, Electrical and Instrumentation plan and sections as needed for each technical discipline
 - Clarifier Bypass Plan
 - Details
7. Prepare and submit FDEP notification letter.
8. Prepare Opinion of Probable Construction Cost (OPC).
9. Meet (progress meeting) with the County to review 60% submittal.
10. Incorporate the County's 60% submittal comments.
11. Prepare and submit 100% (Final) technical specification and plans.
12. Update Opinion of Probable Construction Cost (OPC).

Task 4 – Bidding Services

1. Attend mandatory Pre-Bid meeting and site visit.
2. Create mandatory Pre-Bid meeting minutes.
3. Answer questions throughout the bidding period
4. Create addenda.
5. Review bids and create an award letter recommendation.
6. Conform bid documents to contract construction documents.

Task 5 – Post Design Services (Limited Amount Not-to-Exceed)

1. Attend Pre-construction meeting.
2. Review shop-drawing submittals.
3. Answer requests for information (RFIs).
4. Conduct up to three (3) site visits, four hours per visit (Not-To-Exceed Amount). This activity must be authorized by NAU.

CLARIFIER NO. 1 AND NO. 2 REHABILITATION

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5. Review Contractor's As-Built records.
6. Review Operation and Maintenance (O&M) Manual.

Assumptions and exclusions:

- It is assumed that Submerged Land Lease, and Wetland Permitting will not be required
- Subsurface Underground Engineering (SUE) is excluded in this scope.
- On May 17, 2016, SJRWMD confirmed no permit is required.
- Chlorination System.
- Landscaping and Tree Mitigation Services.

Deliverables will be:

- Three (3) copies of drawings (11x17) and specifications for 60%, and 100% (final) submittal
- One hard copy of drawing (22x34) for final submittal
- One PDF digital copy of the final submittal

III. PROJECT SCHEDULE

From the date of the Notice-to-Proceed, GAI anticipates completion of the project within eight (8) months

IV. FEE

The total lump sum fee is **\$106,710**. Fees do not include permitting or related fees.



Jacksonville Office
1301 Riverplace Boulevard
Suite 900
Jacksonville, Florida 32207

CM1831-WA12

T 904.363.1110
F 904.363.1115

October 13, 2016

GAI Project No.: A120925.12

Ms. Becky Hiers-Bray, P.E.
Engineer III
Nassau County Engineering Services
96161 Nassau Place
Yulee, Florida 32097

**Subject: WORK AUTHORIZATION: CM1831-WA12
CLARIFIER NO. 1 AND NO. 2 REHABILITATION
GAI Project No. – A120925.12**

Dear Ms. Hiers-Bray:

GAI Consultants, Inc. (GAI) is pleased to provide this lump sum proposal for provision of design and post design services for the subject project.

Our proposed lump sum fee is as follows;

Engineering Design and Post Design Lump Sum.....	\$106,710.00
Grand Total Lump Sum	\$106,710.00

Our proposed Scope and Fee are detailed in the following attached Exhibits:

Exhibit A – Scope of Service
Exhibit B – Budget

If you have any questions or need any additional information, please feel free to contact me at (904) 559-8107.

Sincerely,

GAI Consultants, Inc.

Samuel T. Ramirez, P.E.
Project Manager

Kevin R. Leadbetter, P.E.
Assistant Vice President

Enclosed.

CS-16-104



Nassau County Engineering Services Department
96161 Nassau Place
Yulee, Florida 32097

J. Scott Herring, P.E.
Public Works Director

January 25, 2017

Sent via email:
S.Richards@gaiconsultants.com

Scott Richards, P.E.
Senior Engineering Manager
GAI Consultants, Inc.
618 E. South Street, Suite 700
Orlando, Florida 32801

Subject: Notice to Proceed
NAU Clarifiers No. 1 and No. 2 Rehabilitation
Contract No. CM1831-WA12

Dear Mr. Richards,

This letter shall serve as the official Notice to Proceed for NAU Clarifiers No. 1 and No. 2 Rehabilitation project, Work Authorization No. 12. The effective date of the Notice to Proceed is hereby established as January 25, 2017.

All work must be conducted in accordance with the agreement referenced above.

If you have any questions, please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink, reading "Becky Hiers-Bray", is positioned above the printed name.

Becky Hiers-Bray, P.E.
Engineer III

Cc: Scott Herring, Public Works Director
David Pensante, Procurement Manager
Yvonne Thomas, NAU