

**WORK AUTHORIZATION # CM2786-WA06
NASSAU COUNTY
BOARD OF COUNTY COMMISSIONERS**

Consultant:	Florida Governmental Utility Authority (FGUA)
Contract Number:	CM2786-WA06
Contact Name:	Steve Spratt
Contact Number:	407-629-6900
Email:	sspratt@govmserv.com

CURRENT WORK AUTHORIZATION			
Project Short Title: American Beach Water and Sewer District Sanitary Sewer Improvement Project			
		CONTRACT OVERVIEW	
Date Submitted	01/20/21	Total of Previous Authorizations	\$483,773.69
Amount	\$399,478.97	This Work Authorization	\$399,478.97
Scheduled Completion	12/20/2021	Current Contract Total	\$883,252.66

This Work Authorization is to the AGREEMENT between Nassau County and the Consultant known as the Interlocal Agreement between Nassau County and Florida Governmental Utility Authority for Water and Wastewater Utility Capital Project and related Grant/Loan Administration and Special Assessment Services, dated December 12, 2019. The services to be provided under this Work Authorization are as follows:

ARTICLE 1. Services Described as:

The Consultant shall assist the County in carrying out all Professional Engineering and Capital Project Administration services during the design and bidding phases of the American Beach Water and Sewer District Sanitary Sewer Improvement Project. These services shall include Capital Project Administration and new sanitary sewer design, permitting, bid solicitation, bid review and recommendation of award, as further detailed in the attached FGUA Work Authorizations to Wade Trim, Inc. and Government Services, Inc.

ARTICLE 2. Time Schedule

The Consultant shall complete all work within nine (9) months following execution of this Work Authorization.

ARTICLE 3. Budget

The Consultant will perform the Capital Project Administration and Design scope of services outlined herein for a lump sum amount of \$19,973.97 and \$379,505.00, respectively. Copies of the related Wade Trim, Inc. and Government Services Group, Inc. Work Authorizations are attached hereto for references.

Article 4. Other Provisions

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. Additional terms or agreement provisions whether submitted purposely or inadvertently, shall have no force or effect. 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:

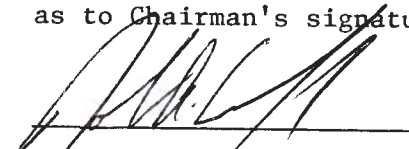
BY: Steve Spratt
Print Name: Steve Spratt
Title: FGUA System Manager
Date: 3/3/2021

RECOMMENDED AND APPROVED BY NASSAU COUNTY:

Department Head/Managing Agent:	<u>Robert Dickson</u>	3/4/2021
	Department Head/Managing Agent	
Procurement:	<u>[Signature]</u>	3/5/2021
	Brian Simmons	
Office of Management & Budget:	<u>Megan Diehl</u>	3/6/2021
	Megan Diehl	
County Manager:	<u>Taco E. Pope, AICP</u>	3/6/2021
	Taco E. Pope	
Ex-Officio Clerk:	<u>(see next page)</u>	
	John Crawford	
County Attorney:	<u>Michael S. Mullin</u>	3/9/2021
	Michael S. Mullin	

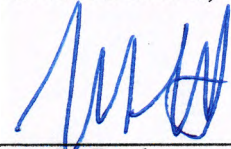
APPROVED by the BOARD OF COUNTY COMMISSIONERS or their Designee, this
22nd day of March, 2021.

Attestation: Only to Authenticity
as to Chairman's signature.



John A. Crawford
Ex Officio Clerk

BOARD OF COUNTY COMMISSIONERS
NASSAU COUNTY, FLORIDA



Thomas R. Ford
Chairman

ACCOUNT NO.: 71500535 563551 ABWST

Work Authorization No. WT 21-01

Professional Services Agreement Between the

Florida Governmental Utility Authority ("FGUA"),
a legal entity and public body created by interlocal agreement pursuant to
Section 163.01(7), Florida Statutes
and
Wade Trim, Inc.
201 N Franklin Street, Suite 1350
Tampa, FL 33602

American Beach Water and Sewer District
Sanitary Sewer Improvements

A. SUMMARY OF SERVICES TO BE RENDERED

PROJECT BACKGROUND:

On November 18, 2020, the Florida Department of Environmental Protection (FDEP) identified the design of the American Beach Clean Water Project (wastewater) as one of the projects eligible to participate in the State Revolving Fund (SRF) program. Additionally, it was recommended by FDEP that all projects desiring to apply for construction SRF funding in 2021 would need to have biddable plans, specifications, and approved permits submitted to FDEP prior to the August 2021 Priority List Meeting.

On behalf of Nassau County, the FGUA has requested the services of Wade Trim to assist with the design and bidding of the clean water project for the American Beach community. The project will furnish the bid documents for approximately 2.5 miles of new gravity sewer mains to connect approximately 287 residential and commercial lots currently on septic sewer systems to the Nassau Amelia Utilities (NAU) centralized sewer system. Additionally, this project would provide the design for the construction of a new sanitary sewer lift station and connection to an existing lift station and sanitary sewer manhole for transport to the nearby wastewater treatment plant.

Throughout the design, Wade Trim will coordinate meetings with the FDEP to accelerate permitting efforts and verify compliance with FDEP construction SRF application requirements.

The following tasks will be provided by Wade Trim under this Work Authorization:

A.2 – Design Report

Wade Trim will perform the following subtasks as part of the Design Report Phase:

A.2.1 Quality Assurance / Quality Control Management:

Under this subtask Wade Trim will perform quality assurance and quality control (QA/QC) reviews for the entire Project. The QA/QC professionals will be staff not routinely engaged in the Project. The QA/QC Team will prepare written comments on Project deliverables at the appropriate stages of the project.

A.2.2 Kickoff Field Visit.

Wade Trim will conduct an onsite field visit with FGUA and US Water (FGUA's system operator) staff to inspect the existing condition of the American Beach project site. This site visit will serve as the kickoff meeting for the project. Wade Trim staff will observe the condition of the existing lift station, interview operations staff on historical performance and capacity of the wastewater treatment plant and take photos of key items within the American Beach service area. The proposed location for the new lift station, as identified in the SRF Facilities Plan, will be visited and requirements for obtaining County approval of the property will be discussed.

A.2.3 Geotechnical Evaluation

As part of Work Authorization No. 20-06, Wade Trim contracted a professional geotechnical engineer to provide soil borings at the locations. This subtask will provide an allowance for additional geotechnical exploration, if needed.

A.2.4 Survey

As part of Work Authorization No. 20-06, Wade Trim contracted a professional surveyor to provide boundary and topographical survey of the American Beach service area. This subtask will provide an allowance for additional survey to collect the location of the existing cleanouts and septic tank locations, foundation elevation of existing residential/commercial structures, and any additional survey required for the design of the gravity sewer project.

A.2.5 Proposed Lift Station Site Coordination

Wade Trim will coordinate efforts with the FGUA and Nassau County (County) to make sure the proposed lift station site is available and authorized by the County. Should the proposed lift station site at Evans Rendezvous not be available, this sub task will investigate two alternate sites for County approval. This work authorization does not include land acquisition or easement services and assumes that all efforts to acquire a property will be conducted by the FGUA.

A.2.6 Corridor Routing Alternative Analysis for Gravity Sewer and Force Main

Upon completion of the survey, Wade Trim will evaluate the gravity sewer routes throughout the American Beach service area to serve existing and anticipated future connections. Additionally, the force main route from the proposed lift station site to the point of connection will be evaluated. The route evaluation(s) will include length, existing utilities, overhead power, social impacts, future maintenance needs, ease of system operations, easement requirements, and constructability.

A.2.7 System Hydraulics and Point of Connection

Wade Trim will perform system hydraulic calculations that document the current and projected flow requirements and will present the hydraulic calculations showing the selected sizing of the proposed gravity sewer, force mains, and wastewater pumps based on the selected location of the proposed lift station. Wade Trim will work with the FGUA to confirm the point of connection into NAU's wastewater system.

A.2.8 Basis of Design Report

Based on the selected routes completed in Subtask A.3.7, Wade Trim will prepare a Basis of Design Report (BODR) no longer than 25 pages excluding appendices that documents the current and projected flow requirements and presents the hydraulic calculations showing the selected sizing of the proposed sanitary sewer gravity mains, force main, and proposed lift station. A pipeline route drawing (plan view only) will consist of the general location of the pipelines on a single 24" x 36" drawing and will be

submitted showing the proposed alignment, location of the proposed lift station, and point of connection into NAU's wastewater system.

The BODR will also address civil site, stormwater, electrical, and instrumentation needs in written form with a preliminary plan view of the proposed lift station. Power requirements will be identified and how electrical feeds will be brought to the proposed lift station site will be defined along with auxiliary power and fuel systems needed.

The BODR will include a recommendation for the preferred pipeline alignment, permit requirements, potential land acquisition needs, and a Class IV OPCC cost estimate. Wade Trim will meet with the FGUA to review and obtain comments to the draft BODR. Upon incorporation of FGUA comments, Wade Trim will provide the FGUA with a final BODR and move forward with Preliminary Design.

A.2.9 Pre-Application Meeting with FDEP

To accelerate the permitting process, Wade Trim will schedule a pre-application meeting with the FDEP to discuss the project and obtain feedback from the permitting agency. Comments obtained from this meeting will be incorporated into the BODR final version.

A.3 – Preliminary Design

Wade Trim will perform the following subtasks as part of the Preliminary Design Phase:

A.3.1 Preliminary Design Submittal:

Wade Trim will prepare preliminary design drawings and specifications to a 60% level of design that illustrates the design intent and would be used in the FDEP permit application. The preliminary design submittal will include the following:

- Pipeline plan and profile sheets
- Proposed Lift Station plan and sections, including civil, structural, electrical, and I&C sheets
- Typical roadway restoration details
- Technical specifications
- Updated OPCC cost estimate

The documents will be prepared using the survey obtained. The preliminary design will be prepared in accordance with Nassau County standards which follows JEA standards. Wade Trim will adhere to their own CAD standards for plotting. The preliminary design deliverable will be submitted to the FGUA as an electronic PDF. Within a two-week period, FGUA will provide Wade Trim with one set of written comments to be incorporated into the Final Design.

A.3.2 FDEP Permit Application:

Upon incorporation of FGUA comments from the preliminary design review, Wade Trim will prepare the permit application for submittal to the FDEP. All permitting fees will be paid by the FGUA. Wade Trim will budget time for responding to one FDEP RAI.

A.3.3 Preliminary Design Public Meeting:

Wade Trim will budget time to provide a public presentation to the American Beach community to discuss the project and answer questions from the public. Prior to the meeting, Wade Trim will provide the FGUA with an electronic PDF of the preliminary drawings for uploading to the County's website for public access. During the meeting,

Wade Trim will prepare a PowerPoint presentation and bring two full sized sets of drawings for the public to review and to use as reference for answering questions.

A.4 – Final Design

Wade Trim will perform the following subtasks as part of the Final Design Phase:

A.4.1 90% Design

Wade Trim will prepare construction plans, technical specifications, and engineering cost estimate to the 90% level of design. Included with this submittal, the technical specifications will also include the SRF supplemental conditions provided by the FDEP.

Wade Trim will meet with FGUA Staff at the conclusion of the 90% Design to present the submitted documents prior to FGUA review. The 90% deliverable will be submitted to the FGUA as an electronic PDF. Within a two-week period, FGUA will provide Wade Trim with one set of written comments to be addressed and incorporated into the 100% Design, as appropriate.

A.4.2 90% Design Public Meeting

Wade Trim will budget time to provide a public presentation to the American Beach community to discuss the project and answer questions from the public. Prior to the meeting, Wade Trim will provide the FGUA with an electronic PDF of the final drawings for uploading to the County's website for public access. During the meeting, Wade Trim will prepare a PowerPoint presentation and bring two full sized sets of drawings for the public to review and to use as reference for answering questions.

A.4.3 100% Design

Wade Trim will finalize the design and provide the FGUA with signed and sealed bid documents. The bid documents will consist of signed and sealed drawings, technical specifications and engineers cost estimate submitted as an electronic PDF containing digital PE signatures.

A.4.4 SRF Readiness to Proceed Assistance

Wade Trim will assist the FGUA in coordinating with the FDEP in submitting biddable plans and specifications as part of the readiness to proceed. This effort will include time for conference calls and submittal of design documents.

A.5 – Construction Bid Services

After acceptance by the FGUA of the Bidding Documents and the most recent opinion of probable Construction Cost as determined in the Final Design Phase, Wade Trim shall:

- Assist the FGUA in organizing and conducting pre-Bid conferences, if any, including preparation of meeting agendas and minutes.
- Issue Addenda as appropriate to clarify, correct, or change the Bidding Documents.
- Provide information or assistance needed by the FGUA in the course of any negotiations with prospective contractor.
- Attend the Bid opening, prepare Bid tabulation sheets, and assist the FGUA in evaluating Bids.
- Provide the FGUA and Nassau County American Beach Water and Sewer District with a recommendation of contract award.

B. PROJECT COST \$379,505.00**Project No.: Nassau County Project**

The lump sum fee for the scope of work described in Section A shall not exceed the total detailed in the table below. Payment is contingent on the timing and receipt of funding from Nassau County

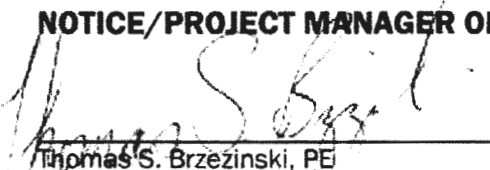
	Billed at	Numbers of hours	Cost extended
Wade Trim			
Principal	225.00	280	\$63,000.00
Project Manager	\$160.00	560	\$89,600.00
Professional Engineer 4	\$180.00	472	\$84,960.00
Engineer 7	125.00	632	\$79,000.00
Engineer 6	\$150.00	243	\$27,945.00
Lump Sum Total			\$344,505.00
Subconsultants Allowance			
Surveyor			30,000.00 *
Geotechnical Services			5,000.00 *
Allowance Total			\$35,000.00 *
Total Cost			\$379,505.00

* Subconsultant fees provided are estimated allowance values. Actual subconsultant invoices will be attached to Wade Trim invoices when billing for work performed. Wade Trim reserves the right to request additional funding should project requirements exceed the allowance limits provided in this work authorization.

C. PROJECT SCHEDULE

Task	Due Date
A.2 Design Report Submittal	31 Days from NTP
A.3 Preliminary Design Submittal	32 Days from FGUA Review of BODR Report
A.4 90% Design Submittal	28 Days from Preliminary Design Review
A.4 100% Design Submittal	17 Days from 90% Design Review
A.5 Construction Bid Services	As Scheduled Per FGUA

D. NOTICE/PROJECT MANAGER OF CONSULTANT


 Thomas S. Brzezinski, PE
 Executive Vice President
 Wade Trim, Inc.
 201 N. Franklin Street, Suite 1350
 Tampa, FL 33602

 FGUA Board Chair

Florida Governmental Utility Authority
 280 Wekiva Springs Road, Suite 2070
 Longwood, FL 32779

 David DiLena
 Chief Financial Officer
 Operations Program Manager

 Robert Dickson, PE
 Capital Program Manager

Dated this ____ day of _____, 2021.