PALM BEACH COUNTY BOARD OF COUNTY COMMISSIONERS

AGENDA ITEM SUMMARY

Meeting Date:

October 5, 2021

Consent [X]

Public Hearing []

Regular []

Department:

Water Utilities Department

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: Consultant Services Authorization (CSA) No. 5 to the Consulting/Professional Services General Utility, Architectural and Value Engineering Services Contract (Contract) with Chen Moore and Associates, Inc. (Consultant) for the Torry Island Force Main Improvements (Project) for a not to exceed amount of \$326,842.72.

Summary: On December 15, 2020, the Board of County Commissioners approved the Palm Beach County Water Utilities Department (PBCWUD) Contract (R2020-1891) with Consultant. CSA No. 5 provides for professional consulting services relating to design and permitting of the Project. These services include: surveying, subsurface utility exploration, geotechnical exploration, construction plans, technical specifications, permitting, and bid support services for improvements to the force main that conveys wastewater from the Torry Island Campground to the Western Region Wastewater Treatment Facility.

This Contract was procured under the requirements of the Equal Business Opportunity Ordinance. The Contract was presented to the Goal Setting Committee on October 2, 2019, and a minimum mandatory 20% Small Business Enterprise (SBE) subcontracting goal and an evaluation preference for up to 15 points based upon the relative level of dollar participation by certified SBE firms were the Affirmative Procurement Initiatives applied. The Contract provides for 27.00% SBE participation which includes 17.00% MBE participation, 17.00% MBE (B). CSA No. 5 includes 19.61% SBE participation, which includes 19.61% MBE participation, 19.61% MBE (B). The cumulative SBE participation including CSA No. 5 is 10.21% SBE, which includes 10.21% MBE, 10.21% MBE (B). Consultant is headquartered in Fort Lauderdale, Florida, but maintains an office in Palm Beach County from which the majority of the work will be undertaken. The Project is included in the PBCWUD FY22 budget. (PBCWUD Project No. 21-063) District 6 (MJ)

Background and Justification: PBCWUD owns, operates and maintains over 600 miles of wastewater force mains. This Project will improve the 6-inch force main that conveys wastewater approximately two miles from the Torry Island Campground to the Western Region Wastewater Treatment Facility. The force main is at the end of its useful life and requires frequent maintenance. Portions of the force main with subaqueous canal crossings will be rehabilitated using cured-in-place pipe lining. The remaining portions of the force main will be replaced with new piping. The improvements will increase the reliability and operability of PBCWUD's wastewater collection system.

Attachments:

- 1. Two (2) Originals of Consultant Services Authorization No. 5
- 2. Location Map
- 3. Certificate of Liability Insurance

Recommended By:	AL-13ayat	917121
,	Department Director	Date
Approved By:	Ill Klin) 9/14/202/
, in the same of t	Assistant County Administrat	tor Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

7. TVO FOUL GUIIIIIAI	y or r iscar impe	acı.			
Fiscal Years	2022	2023	2024	2025	2026
Capital Expenditures Operating Costs External Revenues Program Income (County) In-Kind Match County	\$326,843 <u>0</u> <u>0</u> 0 0	<u> </u>	<u>0</u> <u>0</u> <u>0</u> <u>0</u> <u>0</u>	<u>0</u> <u>0</u> <u>0</u> <u>0</u>	<u>O</u> <u>O</u> <u>O</u> <u>O</u>
NET FISCAL IMPACT	<u>\$326,843</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
# ADDITIONAL FTE POSITIONS (Cumulative)	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Budget Account No.:	Fund <u>4011</u>	Dept <u>721</u>	Unit <u>W02</u>	<u>6</u> Object <u>6547</u>	, -
Is Item Included in Current	: Budget?		Yes_X_	No	
Does this item include the	use of federal fu	ınds?	Yes	No X	
-	R	eporting Cate	gory <u>N/A</u>		
B. Recommended So	urces of Funds	s/Summary of	Fiscal Impa	ct:	
One (1) time expend	diture from user	fees, connect	ion fees and	balance brought.	forward.
C. Department Fiscal	Review:	the Have	Louis	B	
	III. <u>REV</u>	IEW COMMEI	<u>NTS</u>		
A. OFMB Fiscal and/o	or Contract Dev	velopment an	d Control Co	omments:	
OFME OFME	9/8/21 8	BRAIR CO	ontract Devel	pment and Con	9114121
B. Legal Sufficiency: Assistant Co	unty Attorney	<u>/14/</u> 2)			
C. Other Department	Review:				

This summary is not to be used as a basis for payment.

Department Director

CONSULTANT SERVICES AUTHORIZATION NO. <u>5</u>
Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services
General Utility, Architectural and Value Engineering Services
Resolution No. <u>R2020-1891</u> Contract Dated <u>December 15, 2020</u>

Project Title: Torry Island Force Main Improvements

PBCWUD Project No.: 21-063

Consultant: Chen Moore and Associates, Inc.

Address: 500 Australian Avenue South, Suite 850, West Palm Beach, FL 33401

Budget Line Item No.: <u>4011-721-W026-6547</u>

District No.: 6

This Consultant Services Authorization provides for: design and permitting for the installation of approximatelly 9,000 linear feet of 6-inch force main along South Florida Water maanagement Distict-owned canals and private property on Torry Island to connect to the existing 10-inch force main.

(See ATTACHMENT A for detailed scope of services)

The Contract provides for <u>27.00%</u> SBE participation, which includes <u>17.00%</u> M/WBE participation, <u>17.00%</u> MBE (B).

This Consultant Services Authorization includes $\underline{19.61\%}$ overall participation which includes, $\underline{19.61\%}$ M/WBE participation, $\underline{19.61\%}$ MBE (B).

The cumulative SBE participation, including this Consultant Services Authorization is $\underline{10.21\%}$, which includes $\underline{10.21\%}$ M/WBE participation, $\underline{10.21\%}$ MBE (B).

1. Services completed by the Consultant to date:

See ATTACHMENT B.

- 2. Consultant shall begin work upon receipt of Notice to Proceed correspondence.
- 3. The compensation to be paid to the Consultant for providing the requested services shall be:
 - A. Computation of time charges plus expenses, not to exceed \$326,842.72
 - B. Fixed price of \$0.00
 - C. Total <u>\$326,842.72</u>
 - 4. This Authorization may be terminated by the County without cause or prior notice. In the event of termination not the fault of the Consultant, the Consultant shall be compensated for all services performed through the date of termination, together with reimbursable expenses (if applicable) then due.

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CONSULTANT SERVICES AUTHORIZATION NO. <u>5</u> Palm Beach County Water Utilities Department Contract for Consulting/Professional Services General Utility, Architectural and Value Engineering Services Resolution No. <u>R2020-1891</u> Contract Dated <u>12/15/2020</u>

Project Title:	Torry Island Force Main Improvements
-	

PBCWUD Project No.: 21-063

- 5. SBE participation is included in **ATTACHMENT C** under this Authorization. The attached Schedule 1 defines the SBE applied to this Authorization and Schedule 2 establishes the SBE contribution from each Sub-Consultant (Letter of Intent).
- 6. This Authorization does not amend, change, or modify the Contract dated <u>December 15, 2020</u> which remains in full force and effect.
- 7. All Attachments to this Authorization are incorporated herein and made a part of this Consultant Services Authorization.

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CONSULTANT SERVICES AUTHORIZATION NO. 5_ Palm Beach County Water Utilities Department Contract for Consulting/Professional Services General Utility, Architectural and Value Engineering Services Resolution No. R2020-1891 Contract Dated 12/15/2020_

Project Title: Torry Island Force Main Improvements						
PBCWUD Project No.: 21-063						
IN WITNESS WHEREOF, this Authorization obligations of the aforementioned Contract.	n is accepted, subject to the terms, conditions and					
PALM BEACH COUNTY, A POLITICAL SUE	BDIVISION OF THE STATE OF FLORIDA					
Joseph Abruzzo, Clerk of the Circuit Court & Comptroller, Palm Beach County	Palm Beach County, Board of County Commissioners					
ATTEST:						
Signed:	Signed:					
	Signed:					
Typed Name:						
Deputy Clerk	(Date)					
Approved as to Form and Legal Sufficiency	CONSULTANT: Chen Moore and Associates, Inc.,					
Signed:	(VII)					
	(Signature)					
Typed Name: Michael W. Jones	Cristobal Betancourt, RLA, AICP/ Director					
County Attorney	(Name and Title)					
07.77 07.51 0P.D.	(Date)					
COUNTY OF POLYM BROWN	•					
	efore me by means of $oxedsymbol{ox{oxedsymbol{oxedsymbol{oxedsymbol{ox{oxedsymbol{ox{oxed}}}}}}}$					
this Diff day of August ,2021, by	Chstobal Betan Court who is Expersonally					
known to me or ☐ has produced	as identification.					
	(Signature of Notary Public, State of Florida)					
······	Amanda fax					
Notary Public State of Florida Amanda Foor My Commission GG 908936 Expires 09/07/2023 (Pr	int, Type, or Stamp Commissioned Name of Notary Public)					

CONSULTANT SERVICES AUTHORIZATION NO. <u>5</u>
Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services
General Utility, Architectural and Value Engineering Services
Resolution No. <u>R2020-1891</u> Contract Dated <u>12/15/2020</u>

LIST OF ATTACHMENTS

ATTACHMENT A Scope of Services

ATTACHMENT B Summary and Status of Consultant Services Authorizations

ATTACHMENT C OEBO Schedules 1 and 2

ATTACHMENT D Project Schedule

ATTACHMENT E Budget Summary

ATTACHMENT F Summary of SBE-M/WBE Business Tracking

ATTACHMENT G Location Map

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ATTACHMENT A

SCOPE OF SERVICES

PBCWUD Project No.: 21-063

Project Title Torry Island Force Main Improvements

INTRODUCTION

This Consultant Services Authorization encompasses providing services related to force main improvements within the City of South Bay and unincorporated Palm Beach County.

BACKGROUND

The Palm Beach County Water Utilities Department (PBCWUD) owns and maintains a 6-inch Cast Iron (CI) force main that runs from Torry Island to the Western Region Wastewater Treatment Facility. The scope of services proposes to rehabilitate the portions of the force main within South Florida Water Management District (SFWMD) right-of-way and replace a portion of the force main utilizing a route through private property as shown on Attachment G. The proposed route is approximately 9,000 linear feet.

SCOPE OF SERVICES

Chen Moore and Associates, Inc. (CONSULTANT) shall perform the engineering Scope of Services as described herein.

ASSUMPTIONS

The engineering services described herein have been based on the following assumptions:

- PBCWUD staff will provide all previous plans, reports and data.
- PBCWUD will assist CONSULTANT with data and field investigation.
- PBCWUD will provide consolidated review comments of each deliverable within two (2) weeks
 of receipt from CONSULTANT.
- Restoration will match existing conditions.
- Hydraulic modeling is not included. Pipe will be replaced at existing size.
- · PBCWUD will pay all permit fees.
- Construction administration and certification of permits after construction are not included.
- · Public outreach is not included.
- Easement acquisition is not included.
- Improvements to United States Army Corps of Engineers (USACE) or SFWMD levees beyond restoration to existing condition are not included.
- Construction materials testing is not included.

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• Preparation of record drawings is not included. CONSULTANT will review as-built record drawing provided by contractor.

TASK 1 - Regulatory Coordination for Existing Force Main Repairs

1.1 <u>SFWMD right-of-way permit:</u> CONSULTANT will prepare exhibit showing installation of gate valves and propose pressure testing for existing force main from the east side of the Rim Canal to the Western Region Wastewater Treatment Facility (WRWTF). Upon approval from PBCWUD on exhibit, CONSULTANT will prepare and submit permit applications to SFWMD.

CONSULTANT will respond to Requests for Information (RFIs) from SFWMD. It is anticipated that a Section 408 Approval will be required from the USACE for this project. The CONSULTANT shall coordinate as necessary to provide the information requested during the review process and incorporate all required design elements and specifications to meet USACE engineering requirements.

- 1.2 <u>Contractor Coordination:</u> CONSULTANT will coordinate with contractor performing the work, respond to RFIs and provide clarifications for the design and regulatory criteria.
- 1.3 <u>Construction Administration and Certification:</u> CONSULTANT will perform the following activities for the repairs and testing:
 - Shop Drawing Review: CONSULTANT shall review, evaluate and approve acceptable shop drawings, various contractor selections from PBCWUD Approved Materials List, diagrams, illustrations, catalog data, product schedules, samples, results of tests and inspections, and other data which the contractor is required to submit to show that the materials proposed to be used in the work are in compliance with the CONSULTANT's drawings and specifications.
 - Pre-Construction Meeting: CONSULTANT will attend pre-construction meeting prior to work commencing. CONSULTANT will prepare meeting minutes and distribute to attendees.
 - Construction Inspections: CONSULTANT will perform site visits to observe work
 construction and determine if it is in compliance with the CONSULTANT's drawings and
 specifications. CONSULTANT will prepare report of construction activities for each site
 visit. It is assumed that ten (10) site visits will be performed by inspection staff from
 CONSULTANT, with additional site visits as needed by engineering staff.
 - As-built Drawings: CONSULTANT shall compare the final "As-Built" drawings with the actual construction and review for conformance to the regulatory criteria and CONSULTANT's drawings and specifications.
 - Construction Testing: CONSULTANT shall review construction testing for compliance with the regulatory criteria and CONSULTANT's drawings and specifications
 - Permit Coordination and Certification: CONSULTANT shall coordinate with regulatory agencies during repair work and provide certification at completion of work.

Task 1 Deliverable

Digital Portable Document Format (PDF) copy of minutes from all meetings, one (1) signed and sealed permit exhibit (11"x17), one (1) permit application form (letter size), one (1) copy of daily construction reports (letter size), one (1) signed and sealed construction certification letter (letter A-2 Revised 04/26/2021

size) and digital copies containing PDFs of all submittal items.

TASK 2 - Field Investigation and Coordination

- 2.1 Survey Coordination: CONSULTANT shall coordinate with licensed surveyor Brown & Phillips, Inc., in order to obtain the required topographic data within the project limits. Surveyor shall establish a control traverse and bench marks (North American Vertical Datum of 1988) at sufficient intervals to support the topographic survey to be utilized on the design plans. Surveyor shall locate all above ground features within the identified alignment, including trees, culverts, swales, levees, irrigation systems, fire hydrants, valves, and overhead utilities. Surveyor shall obtain spot elevations on an approximate 100 feet sections with high and low points and points of location. Two (2) canal cross sections will be obtained at the pipe crossing locations. This will not constitute a boundary or right-of-way survey as defined in the Minimum Technical Standards for Land Surveying and Mapping. Ownership and title searches are not included. Easements will be based on information obtained from record plats.
- Existing Utility Coordination: CONSULTANT will review all existing record drawings, design plans, utility atlases, and Geographic Information System (GIS) data for the project area. CONSULTANT shall perform a Sunshine One design ticket call, send letters to all identified utilities, collect utility location information and digitize utility locations for drawings. CONSULTANT shall coordinate with subsurface utility engineering (SUE) firm Inframap Corp. for the performance of up to 20 utility test holes to locate any existing underground utilities that could potentially conflict with the improvements. Inframap Corp. shall provide equipment and labor, or the services of a qualified subconsultant, for exploratory subsurface test holes for certain existing underground utilities as determined by the CONSULTANT. The work performed by Inframap Corp. will be on a not-to- exceed time and material basis and the costs included in this proposal is only an estimate. PBCWUD will only pay for the test holes actually completed. The horizontal location for each test hole will be obtained by the surveyor. Test hole information will include pipe type, diameter, material, and depth from surface (ground elevation is not included).
- 2.3 <u>Geotechnical Coordination:</u> CONSULTANT will coordinate with geotechnical engineering firm Nutting Engineers of Florida, Inc., to perform soil borings in the project area. It is estimated that four (4) soil borings will be performed at a 50-foot depth and eight (8) soil borings will be performed at a 20-foot depth.
- 2.4 <u>Field Verification:</u> CONSULTANT shall conduct field visits, review GIS data and review asbuilt information to assess the existing conditions of the project area.
- 2.5 <u>Coordination with PBCWUD:</u> CONSULTANT will coordinate with PBCWUD for data collection and field investigation. This task will include up to two (2) meetings with PBCWUD.

Task 2 Deliverable

Digital (PDF) copy of minutes from all meetings, one (1) signed and sealed survey (24"x36"), one (1) signed and sealed copy of geotechnical report, one (1) copy of SUE report, and digital copies containing PDF of all submittal items.

TASK 3-50% Design Submittal

3.1 <u>Plans:</u> CONSULTANT will prepare and submit design drawings to PBCWUD for review. The drawings will consist of the force main plan and construction details. Results of SUE survey will not be available for incorporation into the 50% submittal.

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3.2 <u>Progress Meeting with PBCWUD:</u> CONSULTANT will attend one (1) review meeting with PBCWUD to discuss the 50% plans and obtain any review comments.

Task 3 Deliverable

Two (2) sets of plans (24"x36"), two (2) sets of plans (11"x17"), two (2) copies of cost estimate, and digital copies containing PDFs of all submittal items.

TASK 4-90% Design Submittal

- 4.1 <u>Plans:</u> CONSULTANT will prepare and submit design drawings to PBCWUD for review. The drawings will consist of the force main plan and construction details. The drawings will incorporate results of the SUE survey.
- 4.2 <u>Cost Estimate:</u> CONSULTANT shall submit a cost estimate of the probable construction costs based on existing continuing construction contracts with PBCWUD.
- 4.3 <u>Technical Specifications:</u> CONSULTANT shall provide technical specifications for the force main improvements. CONSULTANT will utilize the most current version of the PBCWUD standard specifications where available and conform to PBCWUD design and construction standards.
- 4.4 <u>Progress Meeting with PBCWUD:</u> CONSULTANT will attend one (1) review meeting with PBCWUD to discuss the 90% plans and obtain any review comments.

Task 4 Deliverable

Two (2) sets of plans (24"x36"), two (2) sets of plans (11"x17"), two (2) copies of cost estimate and technical specifications, and digital copies containing PDFs of all submittal items.

TASK 5-Permit Submittal

- 5.1 <u>SFWMD right-of-way permit:</u> Upon approval from PBCWUD on 90% submittal, CONSULTANT will prepare and submit permit applications to SFWMD. CONSULTANT will respond to RFIs from SFWMD. It is anticipated that a Section 408 Approval will be required from the United States Army Corps of Engineers (USACE) for this project. The CONSULTANT shall coordinate as necessary to provide the information requested during the review process and incorporate all required design elements and specifications to meet USACE engineering requirements.
- 5.2 <u>SFWMD right-of-way permit transfer:</u> CONSULTANT will complete transfer form and submit a request to transfer SFWMD ROW Permit #7795 from City of Belle Glade to PBCWUD.
- 5.3 Palm Beach County Health Department (PBCHD) Construction of a Wastewater Collection System Permit: Upon approval from PBCWUD on 90% submittal, CONSULTANT will prepare and submit permit applications to PBCHD. CONSULTANT will respond to RFIs from PBCHD.
- 5.4 <u>City of South Bay Permit:</u> CONSULTANT will coordinate with the City of South Bay for a right-of-way permit review.

Task 5 Deliverable

Permit applications, approved permits and digital copies containing PDFs of all approved permits.

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TASK 6-100% Design Submittal

- 6.1 <u>Design Submittal:</u> CONSULTANT shall prepare a 100% final design plan for construction that addresses previous review comments from PBCWUD and regulatory agencies. The drawings will consist of the final design with construction details.
- 6.2 <u>Technical Specifications</u>: CONSULTANT shall provide final technical specifications for the water main improvements. CONSULTANT will incorporate review comments on the 90% submittal from PBCWUD and regulatory agencies.
- 6.3 <u>Cost Estimate:</u> CONSULTANT shall prepare a final cost estimate which will indicate all construction costs for items within the final design drawings.

Task 6 Deliverable

Four (4) sets of signed and sealed plans (24"x36"), two (2) sets of signed and sealed plans (11"x17"), two (2) copies of cost estimate and technical specifications, and a CD containing PDFs and CAD files of all submittal items.

TASK 7- Bidding Assistance

Upon completion of the permitting phase, PBCWUD shall conduct the bid process and the CONSULTANT shall provide bid support services to PBCWUD that shall include the following:

- Review the advertisement for bid and provide comments, if necessary.
- Attend the pre-bid meeting.
- Review and respond to requests for additional information; draft addendum(s) to the bid documents if necessary.
- Review and compile bid results and verify references of the three (3) lowest bidder(s), bid and qualifications.
- Perform sensitivity analysis of individual line item prices between the responsive bidders and compare them with other recent pricing.
- Provide a Recommendation of Award letter to PBCWUD.

Task 7 Deliverable

One (1) copy (8-1/2" x 11") of RFI responses, Bid Analysis Letter, Recommendation of Award letter, and a CD containing PDFs and CAD files of all submittal items.

ATTACHMENT B

SUMMARY AND STATUS OF CONSULTANT SERVICES AUTHORIZATIONS

PBCWUD				Project Total	SBE Total	SBE	Ap	proved
Auth. No.	Auth. No. Project No.	Title	Status	Amount	Amount	Participation %	Ву	Date
1	21-017	Satellite Leak Detection	Approved	\$93,268.00	\$0.00	0.00%	CRC	3/3/2021
1.1	21-017	Satellite Leak Detection	Approved	\$25,365.92	\$0.00	0.00%	WUD	7/27/2021
2	21-042	WTP No. 11 Energy Isolation and Safety Procedures	Pending	\$82,752.00	\$28,000.00	33.83%	CRC	Pending
3	21-043	ISO 55001 Audits	Approved	\$182,280.00	\$0.00	0.00%	ВСС	6/8/2021
4	21-055	Utility Location Services	Pending	\$48,604.00	\$40,000.00	82.29%	WUD	Pending
5	21-063	Torry Island Force Main Improvements	Pending	\$326,842.72	\$64,123.72	19.61%	BCC	Pending

 ATTACHMENT C
OEBO SCHEDULE 1
Office of Equal Business Opportunity Compliance Programs

OEBO SCHEDULE 1

LIST OF PROPOSED CONTRACTOR/CONSULTANT AND SUBCONTRACTOR/SUBCONSULTANT PARTICIPATION

SOLICITATION/PROJECT/BID NAME: Torry Island Force Main Improvements				SOLICITATION/PROJECT/BID No.: 21-063				
NAME OF PRIME RESPONDENT/BIDDER:	Chen Moore and	Associates, Inc.		ADDRESS:	500 Australian Av	enue South, Suite	850, West Palm Beac	n, FL 33401
CONTACT PERSON: Suzanne Dombrowski, P	PE .			PHONE NO	O.: 561-746-6900x	1035	E-MAIL:	ski@chenmoore.com
SOLICITATION OPENING/SUBMITTAL DAT				DEPARTM	IENT: Palm Beach	County Water Utilit	ies Department	
PLEASE LIST THE DOLLAR AMOUNT PLEASE ALSO LIST THE DOLLAR AM PROJECT.								
	(Checl <u>Non-SBE</u>	k all Applicable Cate M/WBE	gories) <u>SBE</u>		DOLLAR AMO	UNT OR PERCENT	AGE OF WORK	
Name, Address and Phone Number		Minority/Women Business	Small Business	Black	Hispanic	Women	Caucasian	Other (Please Specify)
1. Chen Moore and Associates, Inc. 500 Australian Ave. South #850 West Palm Beach, FL 33401 (561) 746-6900	✓		de consistente a su disposario de su disposario del consistente del consistente del consistente del consistente	eteroperatus, curit s contention Arquin cure customa customa customi for cutto cure della customa customi customa customi cust	acetalacetacrocci (moch horististism-vita) à calisum-in cum-vincitaceta	wat 15 at mail a latin wa menggan manukuwa wa mini si manda mini sa manda mini sa mini sa mini sa mini sa mini	\$239,382.00	yezen, engishegilah (ilmen, epipili tradi, Ausanili in oldan saan sand
2. Nutting Engineers of Florida Inc 1310 Neptune Dr. Boynton Beach, FL 33426 (561) 732-7200	V					-	\$12,300.00	
3. Inframap Corp. 1860 Old Okeechobee Rd., Unit 201 West Palm Beach, FL 33409 (800) 314-8856	V			-		-	\$11,037.00	
4. Brown & Phillips, Inc. 901 Northpoint Parkway West Palm Beach, FL 33407 (561) 615-3988		√	V	\$64,123.72				
5.								
(Please use additional sheets if necessary)			Total	\$64,123.72			\$262,719.00	
Total Bid Price \$ 326,851.72			Total SB	E - M/WBE Participation	664,123.72			
I hereby certify that the above information is accura	ate to the best of 1	my knowledge:		Signature		-	Director	tle

Note:

- 1. The amount listed on this form for a Subcontractor/subconsultant must be supported by price or percentage listed on the properly executed Schedule 2 or attached signed proposal.
- 2. Firms may be certified by Palm Beach County as an SBE and/or an M/WBE. If firms are certified as both an SBE and/or M/WBE, please indicate the dollar amount under the appropriate category.
- 3. Modification of this form is not permitted and will be rejected upon submittal.

ATTACHMENT C

OEBO SCHEDULE 2

Office	of Equal	Business	Opportunit	y Comp	liance	Programs
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	:			

OEBO LETTER OF INTENT – SCHEDULE 2

A completed Schedule 2 is a binding document between the Prime Contractor/consultant and a Subcontractor/subconsultant (for

both par	and should be treated as such. The Schedule 2 shall rties recognize this Schedule as a binding docu actors/subconsultants, must properly execute this doc roposal.	ment. All	Subcontracto	rs/subconsultants,	including any tiered					
SOLICITAT	TION/PROJECT NUMBER: 21-063 TION/PROJECT NAME: Torry Island Force Main I	mproveme	nts							
Prime Co	ntractor: Chen Moore and Associates,			tting Engineer	s of Florida Inc					
	ox(s) that apply) ☐ WBE ☐ MBE ☐ M/WBE ☐ Non-S/M/WBE D	ate of Palm Be	each County C	ertification (if applic	able): N/A					
The undersigned affirms they are the following (select one from each column if applicable): Column 1 Column 2 Column 3										
☑Male □		lAsian Amerio lNative Ameri		isian American	□Supplier					
S/M/WBE PARTICIPATION – S/M/WBE Primes must document all work to be performed by their own work force on this form. Failure to submit a properly executed Schedule 2 for any S/M/WBE participation may result in that participation not being counted. Specify in detail, the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. S/M/WBE credit will only be given for the areas in which the S/M/WBE is certified. A detailed proposal may be attached to a properly executed Schedule 2.										
Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage					
1	Geotechnical Engineering	\$12,300.00	1	0	\$12,300.00					
	rsigned Subcontractor/subconsultant is prepared to self-perfoowing total price or percentage: \$12,300.00	orm the above-	described work	in conjunction with th	e aforementioned project					
	ersigned intends to subcontract any portion of this work to elow accompanied by a separate properly executed Schedu		ntractor/subco	nsultant, please list t	he business name and the					
Na	ame of 2 nd /3 rd tier Subcontractor/subconsultant	Price o	or Percentage: _							
	Chen Moore and Associates, Inc.	Nlus	ting Engi	ngers of Flor	ida Inc					
	Print Name of Prime			tractor/subconsultan						
	Ву:	By:	////							
	Authorized Signature Cristobal Betancourt, RLA, AICP		RÎ	uthorized Signature	ET.					
	Print Name Director	Print	Name	RES -						
	Title Slada	Title	<u> </u>	3/6/208						
	Date:									

OEBO LETTER OF INTENT – SCHEDULE 2

A completed Schedule 2 is a binding document between the Prime Contractor/consultant and a Subcontractor/subconsultant (for any tier) and should be treated as such. The Schedule 2 shall contain bolded language indicating that by signing the Schedule 2,

	raties recognize this Schedule as a binding docuractors/subconsultants, must properly execute this docurroposal.				
SOLICITA	TION/PROJECT NUMBER: 21-063				
SOLICITA	TORTY Island Force Main	Improveme	nts		
	ontractor: Chen Moore and Associates			own & Phillip	s, Inc.
	ox(s) that apply) ☐ WBE ☑ MBE ☐ M/WBE ☐ Non-S/M/WBE D	ate of Palm B	each County C	ertification (if applic	cable):
The unde	ersigned affirms they are the following (select one from <u>Column 2</u>	n each columr	if applicable)	:	Column 3
☑Male [☐ Female ☐ African-American/Black ☐ Hispanic American ☐]Asian Amerio]Native Amer		asian American	□Supplier
properly of to be perf	E PARTICIPATION — S/M/WBE Primes must document all work executed Schedule 2 for any S/M/WBE participation may result formed or items supplied with the dollar amount and/or perces S/M/WBE is certified. A detailed proposal may be attached	ılt in that partio entage for each	cipation not bein work item. S/I	ng counted. Specify ir M/WBE credit will onl	detail, the scope of work
Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
1	Engineering Survey	\$64,123.72	1	0	\$64,123.72
at the foll	dersigned Subcontractor/subconsultant is prepared to self-perfollowing total price or percentage: \$64,123.72 dersigned intends to subcontract any portion of this work to below accompanied by a separate properly executed Schedu	another Subco			
N	ame of 2 nd /3 rd tier Subcontractor/subconsultant	Price o	or Percentage: _		
	Chen Moore and Associates, Inc.	Bro	wn & Ph	illips, Inc.	
	Print Name of Prime	Print I	Name of Subcor	ntractor/subconsultan	t
	Ву:	By:	anthon	bru	
	Authorized Signature	,	VA.	uthorized Signature	
	Cristobal Betancourt, RLA, AICP Print Name	Anu	ony S. Brow	n	
	Director		EO		
	Title	Title			
	Date: 9202	Date:	08/19/20)21	
	Į I			Re	vised 09/17/2019
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OEBO LETTER OF INTENT - SCHEDULE 2

A completed Schedule 2 is a binding document between the Prime Contractor/consultant and a Subcontractor/subconsultant (for

both park	nd should be treated as such. The Schedule 2 should be treated as such. The Schedule 2 should be treated this Schedule as a binding doctors/subconsultants, must properly execute this conosal	<u>cument</u> . All	Subcontracto	rs/subconsultants,	including any tiered
	ороза:: ion/project number: 21-063				
SQUATAT	ion/PROJECT NAME: Torry Island Force Mail	n Improveme	nts		
(Chack bo	tractor: Chen Moore and Associate				
□SBE □	Non-S/M/WBE □M/WBE □Non-S/M/WBE	Date of Palm Be	each County C	ertification (if applic	able): N/A
The under	signed affirms they are the following (select one fr				
Column 1					<u>Column 3</u>
☑Male □	l Female □ African-American/Black □ Hispanic American	c∐Asian Americ Native Ameri		asian American	□Supplier
properly ex to be perfo	PARTICIPATION – S/M/WBE Primes must document all vacuted Schedule 2 for any S/M/WBE participation may reprinted or items supplied with the dollar amount and/or pass/M/WBE is certified. A detailed proposal may be attach	esult in that partic ercentage for each	ipation not bei work item. S/ tecuted Schedu	ng counted: Specify in M/WBE credit will only ile 2.	detail, the scope of work y be given for the areas in
Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
1	Subsurface Utility Engineering	\$11,037.00	1	0	\$11,037.00
at the follo	signedSubcontractor/subconsultant is prepared to self-powing total price or percentage: \$1.1,037.00 Insigned intends to subcontract any portion of this work allow accompanied by a separate properly executed School	c to a nother Subco			
Na	me of 2 nd /3 nd tier Subcontractor/subconsultant	Price o	or Percentage:		
_	Chen Moore and Associates, Inc		amap Co	orp. ntractor/subconsultan	
	(1/1)		0 1	inti actory subcon sultan	L
İ	By:Authorized Sign ature	Ву: _	Wart	Authorized Sign ature	
	Cristobal Betancourt, RLA, AICP	<u>Darl</u>		CPA, CGMA, MBA	
·	Print Name		Name		
	Director		ief Finan	cial Officer	
	Title Date: 8 202	Title Date:	8/9/202	1	
					vised 09/17/2019
२५) तुम्माराष्ट्रकाळ्याच्य्रेतीशरम्बाराज्याचे विकास		ndepolitism en en et de vierber de transport de service de la vierber de verden en	ન જેમાં અને તાલ કર્યા હતા. જેમાં તાલ કરવા હતા. જેમાં તાલ કરવા હતા. જેમાં તાલ કરવા હતા. જેમાં તાલ કરવા હતા. જેમ	y nagganggangkan karing kangganggan ara karing pandan ara ara ara ara ara ara ara ara ara a	

ATTACHMENT D

PROJECT SCHEDULE

The completion dates for this work will be as follows (starting from CONSULTANT'S receipt of Notice-to-Proceed).

<u>Engineer</u>	ing Services Co	empletion Date from Notice to Proceed
		(Calendar Days)
Task 1	Regulatory Coordination for Existing Force M	lain Repairs 160
Task 2	Field Investigation and Coordination	60
Task 3	50% Design Submittal	118
Task 4	90% Design Submittal	178
Task 5	Permit Submittal	298
Task 6	100% Design Submittal	313
Task 7	Bidding Assistance	403

Attachment E

Budget Summary

Consultant:

Palm Beach County Water Utilities Department
Contract for Consulting / Professional Services; General Utility, Architectural and Value Engineering Services
Construction Service Authorization:

5

5
<u>Chen Moore and Associates, Inc.</u>
<u>Torry Island Force Main Improvements</u>
21-063

Resolution: R2020-1891

Contract Dated: December 15, 2020

Consultar		Chen Moore and As																			
Project na WUD Proje		Torry Island Force N 21-063	fain Improvements																		
WOD FIO	ect No	21-003																			
							_	Labor classi	fication & hourly ra	ite									Sub-Consultants		
													1					1			
Į			Project Director				Sr. Construction Specialist (\$/hr)	Project	Associate Engine (\$/hr)	er Senior Designer (\$/hr)	Engineer (\$/hr)	Senior Technician (\$/hr)	Clerical (\$/hr)	Engineering Intern (\$/hr)				Nutting Engineers of Florida Inc.	InfraMap Corp.	Brown & Phillips,	
	Chen Moore and Associates, Inc.	Principal (\$/hr)	(\$/hr)	(\$/hr)	(\$/hr)	(\$/hr)	Specialist (\$/nr)	Engineer (\$/hr	(\$/nr)	(\$/nr)	(\$/nr)	(\$/nr)	Ciencai (\$/nr)	intern (\$/nr)	1	i		of Florida Inc.	Land and End	inc	
Task		\$120.00	\$94.00	\$94.00	\$69.00	\$65.00	\$40.00	\$50.00	\$40.00	\$43.00	\$34.00	\$30.00	\$31.00	\$17.00	Consultant Total	Consultant Raw Total	Consultant Final Total	Soils and	Engineering	Engineering	
Number	Task Description	,	1	1			ļ	'		<u>'</u>				1	Hours per Task		Amount per Task	Foundation	Surveying	Surveying	TOTAL PER TASK
1	Regulatory Coordination for Existing Force Main Repairs																				
												<u> </u>				1	40.000				
1.1		1	2 2	4 4		16		 	24			 	<u> </u>		47 10	\$2,684.00 \$824.00	\$8,052.00 \$2,472.00			1	\$8,052.00
1.3			1	8		16	80	 	16			+			121	\$5,726.00	\$17,178.00	 		 	\$17,178.00
—	Total Hours 1	1	5	16	0	36	80	0	40	0	0	0	0	0	178	45),720,00	427,270.00	·			V27,275.00
	Total Cost 1	\$120.00	\$470.00	\$1,504.00	\$0.00	\$2,340.00	\$3,200.00	\$0.00	\$1,600.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$9,234.00	\$27,702.00	\$0.00	\$0.00	\$0.00	\$27,702.00
2	Field Investigation and Coordination																		\$0.00		
2.1				4		8			12					_	24	\$1,376.00	\$4,128.00			\$64,123.72	\$68,251.72
2.2				2		8	<u> </u>		24	ļ		8			42	\$1,908.00	\$5,724.00	 	\$11,037.00		\$16,761.00
2.3		-		1 1		4		 	8			ļ			13 40	\$674.00 \$2,000.00	\$2,022.00	\$12,300.00			\$14,322.00
2.4		 		8		16			24 16			 			32	\$1,912.00	\$6,000.00 \$5,736.00	$\overline{}$		 	\$6,000.00 \$5,736.00
	Total Hours 2	0	0	15	0	44	0	0	84	0	0	8	0	0	151	J 1/512.00	\$3,730.00			· · · · · · · · · · · · · · · · · · ·	43,730.00
 	Total Cost 2	\$0.00	\$0.00	\$1,410.00	\$0.00	\$2,860.00	\$0.00	\$0.00	\$3,360.00	\$0.00	\$0.00	\$344.00	\$0.00	\$0.00		\$7,870.00	\$23,610.00	\$12,300,00	\$11.037.00	\$64,123.72	\$111,070.72
1	50% Design Submittal	30.00	90.00	\$1,410.00	70.00	\$2,000.00	70.00	\$0.00	93,300.00	\$0.00	φο.σσ	\$511.00	70.00			<i>\$7,070.00</i>	V 25/525.65	V22/500.00	<i>\$22,037.00</i>	75-1/22572	V111,070.71
3.1		 	8	24		60			100			150			342	\$15,408.00	\$46,224.00			1	\$46,224.00
3.2				2		4			4						10	\$608.00	\$1,824.00				\$1,824.00
	Total Hours 3	0	В	26	0	64	0	0	104	0	0	150	0	0	352						
	Total Cost 3	\$0.00	\$752.00	\$2,444.00	\$0.00	\$4,160.00	\$0.00	\$0.00	\$4,160.00	\$0.00	\$0.00	\$6,450.00	\$0.00	\$0.00		\$16,016.00	\$48,048.00	\$0.00	\$0.00	\$0.00	\$48,048.00
	90% Design Submittal																				
4.1	1 1012		8	26		80			100			160			214	\$17,196.00	\$51,588.00				\$51,588.00
4.2				2		12			24			32			38	\$2,888.00	\$8,664.00 \$8,064.00				\$8,664.00
4.3			4	8		24				 					36 10	\$2,688.00 \$608.00	\$1,824.00			i	\$8,064.00 \$1,824.00
4.4	Progress Meetings with PBCWUD Total Hours 4	0	12	38	0	120	0	0	128	0	0	192	0	0	298	\$608.00	\$1,824.00			J.	\$1,824.00
	Total Cost 4	\$0.00	\$1,128.00	\$3,572.00	\$0.00	\$7,800.00	\$0.00	\$0.00	\$5,120.00	\$0.00	\$0.00	\$8,256.00	\$0.00	\$0.00		\$23,380.00	\$70,140.00	\$0.00	\$0.00	\$0.00	\$70,140.00
	Permit Submittal	70.00	71,110.00	\$5,572.00	70.00	\$7,000.00	70.00		73,220.00	75.55	- 40.00	40,000.00				7,			70,00	75,55	\$7.0/2.70.00
	SEWMD Right-of-Way Permit /Including USACE 408						_					20			111	\$6,104.00	\$18,312.00			1	\$18,312.00
5.1	Approval)			16		40			35			20									
5.2						4			2						6	\$340.00	\$1,020.00				\$1,020.00
5.3	Palm Beach County Health department Construction of a			2		8			8	1	- 1	16		1	34	\$1,508.00	\$4,524.00			1	\$4,524.00
	Wastewater Collection System Permit																				
5.4				2		8			8			16	0	0	34	\$1,508.00	\$4,524.00				\$4,524.00
	Total Hours 5 Total Cost 5	\$0.00	0 \$0.00	20 \$1,880.00	\$0.00	60 \$3,900.00	\$0.00	\$0.00	53 \$2,120.00	\$0.00	\$0.00	52 \$2,236.00	\$0.00	\$0.00	185	\$9,460.00	\$28,380.00	\$0.00	\$0.00	\$0.00	\$28,380.00
	100% Design Submittal	\$0.00	\$0.00	\$1,880.00	\$0.00	\$3,900.00	\$0.00	\$0.00	\$2,120.00	\$0.00	\$0.00	\$2,238.00	\$0.00	\$0.00		33,400.00	320,300.00	30.00	30.00	30.00	\$28,380.00
6.1	Design Submittal		2	R		32			80			100		-	222	\$9,220.00	\$27,660.00				\$27,660.00
6.2	Technical Specifications		2	6		12									20	\$1,532.00	\$4,596.00				\$4,596.00
6.3	Cost Estimate			1		4			8			8			21	\$914.00	\$2,742.00				\$2,742.00
	Fotal Hours 6	0	4,	15	0	48	0	0	88	0	0	108	0	0	222						
	Total Cost 6	\$0.00	\$376.00	\$1,410.00	\$0.00	\$3,120.00	\$0.00	\$0.00	\$3,520.00	\$0.00	\$0.00	\$4,644.00	\$0.00	\$0.00		\$11,666.00	\$34,998.00	\$0.00	\$0.00	\$0.00	\$34,998.00
	Bidding Assistance																				
	Bidding assistance		4	8		16									28	\$2,168.00	\$6,504.00				\$6,504.00
	Total Hours 7	0	4	B	0	16	. 0	0	0	0	0	0	0	0	28	400.00					
1	otal Cost 7	\$0.00	\$376.00	\$752.00	\$0.00	\$1,040.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$25,500.00	\$6,504.00	\$0.00	\$0.00	\$0.00	\$6,504.00
1	Consultant Labor Sub-Total hours per Personnel	1	33	138	0	388	80	0	497	0	0	510	0	0	1137						
	Consultant Labor Raw Costs per Personnel	\$120.00	\$3,102.00	\$12,972.00	\$0.00	\$25,220.00	\$3,200.00	\$0.00	\$19,880.00	\$0.00	\$0.00	\$15,300.00	\$0.00	\$0.00	\$64,494.00	\$33,120.00	Г	\$0.00	\$0.00	\$0.00	\$0.00
	Labor Multiplier per Personnel	3120.00	33,102.00	312,372.00	3	325,220.00	3	3	3	3	3	3	3	3	304,454.00	\$55,120.00	L	70.00	30.00	30.00	30.00
	Total Cost per Personnel	_	\$9,306.00	\$38,916.00	\$0.00	\$75,660.00	\$9,600.00	\$0.00	\$59,640.00	\$0.00	\$0.00	\$45,900.00	\$0.00	\$0.00	L		\$239,382.00	\$12,300.00	\$11,037.00	\$64,123.72	\$326,842.72
	Consultant Eng. (Fixed Fee):	\$0.00	1	455,520,00	4	*/-/	+-,	4	720/01012			7/	3			_				, , , , , , , , , , , , , , , , , , , ,	
	Consultant Eng. (Not to Exceed Fee):	\$239,382.00																			
	Total Consultant Eng. Fee:	\$239,382.00	General Utility, Archite	ectural and Value Engin	eering Services		73.241%									:					
	Sub Consultants																				
	lutting Engineers of Florida Inc.		Soils and Foundation				3.763%														
	Solutions, Inc.		Water Distribution Sys				0.000% 3.377%														
ot to Exceed In	nfraMap Corp. rown & Phillips, Inc.	\$11,037.00 1	and and End Engineer Engineering Surveying	ing surveying			19.619%														
TOU TO EXCEED B	Subcontract Total (Not to Exceed):	\$87,460.72	ingineering ourveying				15.015%														
	Reimbursable Expenses (Not to Exceed)		rinting, Reproduction,	Mileage																	
	Consultant Labor Total:	\$239,382.00	gr																		
	Project CSA Total:	\$326,842.72																			
	Total Project CSA Total:	\$326,842.72																			
	Total Project CSA Total (Fixed Fee):	\$0.00																			
	Total Project CSA Total (Not to Exceed):	\$326,842.72																			
	Total CSA:	\$326,842.72																			



August 19, 2021

Ms. Suzanne Dombrowski, P.E. Chen Moore and Associates, Inc. 500 Australian Avenue South, Suite 850 West Palm Beach, FL 33401

Re: Torry Island Force Main Rehabilitation and Replacement

Palm Beach County Water Utilities Department (PBCWUD) Proposed 6" Force Main Topographic (Route) Survey, SFWMD Permit Survey for Gate Valve Installation and Army COE Survey of Existing Force Main

Dear Suzanne:

Thank you for the opportunity to provide you with the following services for the subject site. This proposal is based on documentation and information provided by your office. The scope of services is as follows:

SCOPE OF SERVICES

I. HORIZONTAL PROJECT NETWORK CONTROL

Using the information supplied by Chen Moore and Associates, we will establish the right of way and existing easements along the route. A traverse will be run through the route, and all found monumentation will be tied in. The survey will be oriented to Palm Beach County horizontal control (NAD 83/90 Adjustment).

II. VERTICAL PROJECT NETWORK CONTROL

A level run will be performed along the route using the existing Palm Beach County benchmarks (NAVD 1988). Benchmarks will be set along the route, not exceeding 600 feet apart, so that we will have at least one benchmark per plan sheet. We will establish at least six (6) benchmarks for construction purposes within the project area and the location shall be indicated on the plan drawings. The survey shall be prepared and delivered in the State Plane Coordinate system.

III. ROUTE SURVEY

The route survey shall depict the limits of the entire right-of-way together with the survey topographic data as described below within the proposed force main corridor. A baseline shall be created along the centerline of each right-of-way to include plan sheet stationing. All known easements of record contiguous in the corridor, if any, as shown on the recorded documents, shall be depicted.

Dombrowski August 19, 2021 Page 2

IV. TOPOGRAPHIC SURVEY

A topographic survey shall be prepared for the proposed force main at 50-foot width. We will extend the topographic survey limits at connection to existing force main locations (2) approximately 50 feet in all directions of the connection point. The topographic survey shall include identification and location of pavement edges, driveways and turnouts, sidewalks, trees, signs, power poles, guy wire anchors, light poles, above ground utility boxes and other features. All existing visible and accessible water valves, fire hydrants, back flow preventers, double detector check valves, sanitary manholes, storm manholes and catch basins shall be located within the right-of-way and adjacent to the right-of-way if required for design purposes. Pipe sizes, material and inverts for all accessible structures located within the right-of-way or adjacent to the right-of-way shall be acquired. Existing vertical grades shall be acquired for the entire limits of the right-of-way at a minimum interval of 100 feet from the centerline of the right-of-way. The acquired information from the field shall be reflected on construction plans as referenced. Available information on existing potable water and sanitary sewer mains shall be provided by PBCWUD in the form of project AsBuilt Drawings. Dry utility facilities locations (e.g. FPL, AT&T, Comcast, etc.) will be acquired where paint markings, as established by others, are encountered during the topographic survey acquisition and shall be included on the construction plans.

V. CANAL CROSS SECTIONS

Two (2) bathymetric cross sections at the location of the surface water crossings will be gathered from right-of-way-to-right-of-way line for the canals. We anticipate there to be seven (7) farm ditches that will require soundings to be performed, along with one across the Hillsboro Canal and one for Lake Okeechobee Rim Ditch. Elevations will be provided at approximately 5-foot intervals.

The cross sections will meet the following SFWMD criteria: Cross sections shall be taken perpendicular to the centerline of the channel. Soundings for cross sections are to be taken at a maximum of 10-foot intervals, from top of bank to top of bank and tied into the canal rights of way lines.

VI. SFWMD PERMIT SURVEY FOR GATE VALVE INSTALLATION

We will prepare a survey meeting the requirements of SFWMD for permitting the gate valve installation on the existing force main. Gate valve locations (4) are shown on Attachment 'C'. The survey will include the following per your email dated August 17, 2021, and the SFWMD ROW Manual:

- At each of the four (4) new gate valve locations, we will obtain a cross section that starts at the water and goes south to the right of way line, including elevations at TOB and TOE for the levee.
- Project location shown relative to County, Section, Township and Range; Lot, Block and Subdivision or a metes and bounds description.
- At a minimum, four (4) copies of the following scaled or fully dimensioned 8-1/2" x 11" drawings: A specific purpose survey (not a boundary survey), indicating the location of the District right of way boundary line, existing features in plan and elevations views and tied to a known reference point in the immediate area of the proposed use. Larger drawings or aerial photographs will be provided, if necessary to adequately show the location and nature of the proposed use.
- Locate the designated existing force main flagged in the field by others.

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	A CARANTA PARA NASA NASA PARA NASARAN	
		į

Dombrowski August 19, 2021 Page 3

VII. ARMY COE PERMIT – SURVEY SOUTH SIDE OF CANAL AND LEVEE FOR EXISTING FORCE MAIN

We will perform a topographic survey of the south side of the canal and levee (Hillsboro Canal) for the entire route of the existing force main from the Rim Canal to the Belle Glade Wastewater Treatment Plant from edge of water to south R/W of the canal tying in all above ground features. We will obtain elevations along the route at approximately 100' intervals. The approximate limits of the route are highlighted in orange on Attachment 'D'.

VIII. COORDINATION FOR EASEMENT ACQUISITION – LEGAL DESCRIPTIONS AND SKETCHES

We will prepare legal descriptions and sketches to coordinate easement acquisition for improvements that may fall outside of the public right-of-way. This work will be done later after it is determined how many are needed. The sketches will be based on record ownership data and record plats provided by Palm Beach County. All sketches will be consistent with the requirements of Palm Beach County and Florida Standards of Practice. The unit price for a legal description and sketch is \$500.00 each, and we anticipate there to be up to five (5) legal descriptions and sketches for this project, for an estimated total of \$2,500.00.

IX. CLOSURE

A drawing will be produced which will show all the features located. We propose to provide Chen Moore and Associates, Inc. with hard copies, a digitally signed PDF file, and an AutoCAD file in the version requested. We will perform the scope of services for an hourly, not to exceed fee of \$42,808.53 for the route survey, \$6,464.94 for the SFWMD permit survey, \$12,350.25 for the Army COE survey of existing force main, plus \$2,500.00 for five (5) legal descriptions and sketches (\$500.00 each), see Attachment 'A' for an estimated hourly breakdown. Please do not hesitate to call me with any questions you might have regarding this proposal. We look forward to working with you on this project.

Brown & Phillips, Inc.	This Proposal accepted this day of, 2021
ohn E. Phillips III, P.L.S. Rrincipal	By: Chen Moore and Associates, Inc.
Rrincipal	Print Name:
Attachment	Title:
JEP/mb	



ATTACHMENT 'A' (1 of 2)

Torry Island Force Main Rehabilitation and Replacement Palm Beach County Water Utilities Department (PBCWUD) Proposed 6" Force Main

Type of Survey: Route Topographic

Size: 9,500'±

Date: August 19, 2021

TASK - route survey	SURVEY CREW (2 PERSON)	CADD TECHNICIAN	SURVEY TECHNICIAN	PROFESSIONAL LAND SURVEYOR	COMMENTS
Meetings and Coordination				4	
Horizontal Project Network Control	20		32	8	Establish control, right-of-way, and easements
Vertical Project Network Control	30		4	1	Set benchmarks along corridor
Section Ties	8		2	2	Tie in PBCo. Horizontal control
Subdivision & Property Ties	16		6	2	Tie in adjoining property corners
Topography & Cross Sections	68		16	6	Locate all above ground features in route and 100' cross sections
Soundings - Canal Cross Sections	40		8	2	9 locations - 2 soundings per crossing
Asbuilts	4		1		Asbuilt structures
Underground Utilities	4		1		Field locate flagged utilities
Drawing		50	12	6	Prepare topographic survey 12± sheets
Address comments	10	8	8	2	
Total Hours:	200	58	90	33	
Rate/Hour	\$42.17	\$30.12	\$30.12	\$41.75	unloaded rates
Subtotal:	\$8,434.00	\$1,746.96	\$2,710.80	\$1,377.75	
Total Fee Unloaded: Multiplier:	and the second support of the second	Approximation of property (199	and the second second	and the state of t	\$14,269.51
Total Fee Loaded:					\$42,808.53

M*\PROPOSALS\BY COMPANY\Chen Moore\Torry Island Force Main\proposed FM route topographic survey worksheet



ATTACHMENT 'A' (2 of 2)

Torry Island Force Main Rehabilitation and Replacement Palm Beach County Water Utilities Department (PBCWUD) Proposed 6" Force Main

TASK - SFWMD permit for gate valve installation	SURVEY CREW (2 PERSON)	CADD TECHNICIAN	SURVEY TECHNICIAN	PROFESSIONAL LAND SURVEYOR	COMMENTS
Cross sections (4) and locate marked existing force main	30		2	1	
Prepare survey		10	8	2	Plan & Elevation Views 8-1/2" x 11"
Address Comments		2	2	1	
Total Hours:	30	12	12	4	
Rate/Hour	\$42.17	\$30.12	\$30.12	\$41.75	unloaded rates
Subtotal:	\$1,265.10	\$361.44	\$361.44	\$167.00	
Total Fee Unloaded: Multiplier:	1				\$2,154.98
Total Fee Loaded:					\$6,464.94

TASK - Army COE permit south side canal & levee 1.6 ± miles	SURVEY CREW (2 PERSON)	CADD TECHNICIAN	SURVEY TECHNICIAN	PROFESSIONAL LAND SURVEYOR	COMMENTS
Topography & Cross Sections	40		8	4	Locate all above ground features and 100' cross sections (85) - from Rim Canal to WWTF
Asbuilts	8		1		Asbuilt structures
Drawing		30	8	4	Prepare topographic survey with R/W
Address comments		4	6	1	
Total Hours:	48	34	23	9	
Rate/Hour	\$42.17	\$30.12	\$30.12	\$41.75	unloaded rates
Subtotal:	\$2,024.16	\$1,024.08	\$692.76	\$375.75	
Total Fee Unloaded: Multiplier:			professional and a second a second and a second a second and a second		\$4,116.75 3
Total Fee Loaded:	a dagada a				\$12,350.25

Other Direct Costs: Legal Description & Sketch quantity

<u>unit</u> each **cost/unit** \$500.00

<u>total</u> \$2,500.00

Total Other Direct Costs:

\$2,500.00

TOTAL PRICE

\$64,123.72

 $\label{thm:local-control} M: \noindent \noin$

Attachment 'B'



Offices throughout the state of Florida

www.nuttingengineers.com info@nuttingengineers.com

July 22, 2021

Ms. Suzanne Dombrowski, PE Chen Moore and Associates 500 Australian Avenue South, Suite 850 West Palm Beach, Florida 33401

Phone: 561.746.6900/ Cell: 954.650.7996/ Email: sdombrowski@chenmoore.com

Re: Proposal/Agreement for Geotechnical Exploration Services

Torry Island Force Main Belle Glade, Florida

Dear Ms. Dombrowski:

Nutting Engineers of Florida, Inc. (NE) is pleased to present this proposal/agreement for performing geotechnical engineering services at the referenced project.

Per your email dated July 21, 2021 and review of the areal provided, we understand that plans for this project include the rehabilitation and replacement of the Torry Island force main at the referenced site. Based on your request for proposal and our understanding of the project, we propose the following scope of work and fee schedule.

SCOPE OF WORK

Per your request, we propose to perform four Standard Penetration Test (SPT) borings to a depth of 50 feet and eight SPT borings to a depth of 20 feet each in the area of the proposed force main. The borings will be performed in general accordance with ASTM D-1586 specifications.

At the completion of the on-site work, the soil samples will be returned to our laboratory. We will provide an engineering report including a description of our findings and general site preparation and foundation design recommendations for support of the proposed construction. In order to provide information concerning the engineering properties of the soils encountered, it is anticipated that tests may be performed to determine natural water content, organic content, and sieve analysis on representative soil samples collected from the site. The engineering report will include graphic logs of the test borings and a test boring location plan. We assume the site is accessible to truck mounted drilling equipment and that underground utilities will be cleared by others prior to our performing the on-site work.

1310 NEPTUNE DRIVE · **BOYNTON BEACH, FLORIDA 33426** · **561-736-4900** Treasure Coast 772-408-1050 · Broward 954-941-8700 · Miami Dade/Monroe 305-824-0060

Chen Moore and Associates Torry Island Force Main geo Belle Glade, Florida Page 2 of 4

FEE SCHEDULE

The above-indicated scope of work will be performed for an estimated cost of \$12,300.00 in accordance with the rates:

Tech. site visit, boring layout, utility clearance	10 hours @ \$50.00/hour	\$500.00
Mobilization of equipment/crew	4 @ \$150.00	\$600.00
SPT borings* (truck mounted drill rig)	360 LF @ \$12.50/LF	\$4,500.00 (min)
Casing	360 LF @ \$5.00/LF	\$1,800.00
Grouting of boreholes	360 LF @ \$5.00/LF	\$1,800.00
Soil classification/laboratory analysis	12 each @ \$50.00/each	\$600.00
Project Engineer	20 hours @ 100.00/hour	\$2,000.00
Principal Engineer	2 hours @ \$125.00/hour	\$250.00
Clerical/ Admin. for report preparation	5 hours @ \$50.00/hour	\$250.00

^{*}If loose or deleterious soil is encountered it may be necessary to extend the soil boring(s).

Additional requested and authorized services beyond those described above will be provided at customary unit rates with expenses at cost +20%. Also, the above rates are based on normal business hours. If this work requires night/ weekend hours, the unit rates will be increased by 1.5.

Once we receive the executed/ signed proposal, project scheduling will commence. The on-site work should take approximately four business days to complete. The geotechnical report should be available within approximately 12 - 15 business days after the on-site work is completed.

NE has been offering engineering, testing and inspection services for over 50 years in South Florida and the Treasure Coast. Our commitment to practical, cost-effective solutions supported by responsive client service distinguishes the firm and enables us to solve your most demanding technical challenges. One of the key constituents for NE's success is our staff of experienced engineering and environmental professionals and technicians that are registered/certified and have been trained to provide a wide range of testing and inspection services. Our laboratory is certified and checked annually by Construction Materials Engineering Council (CMEC) and Florida Department of Transportation (FDOT).

Our sister company, Nutting Environmental of Florida, Inc. (NEF), can assist in your environmental needs. For over thirty years, NEF has performed a wide variety of environmental consulting services throughout Florida including Phase I and II environmental site assessments, storage tank removal and tank closure assessments, contamination assessments, design and implementation of remedial action plans (RAP), groundwater monitoring for solid waste and Hazmat permit requirements, assistance with dewatering permitting and much more. Please call 561-732-7200 to speak with an NEF project manager regarding these services.

Thank you for providing us the opportunity to present this proposal/agreement. We look forward to working with you on this and future projects.

Respectfully submitted, NUTTING ENGINEERS OF FLORIDA, INC.

Scott Ersland
Division Manager

Richard C. Wohlfarth, P.E. Principal/ Director of Engineering

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Chen Moore and Associates Torry Island Force Main geo Belle Glade, Florida Page 3 of 4

Reports and invoices will be addressed to the client as listed below unless other instructions are provided in writing with this executed proposal. The undersigned, as an authorized representative of the entity listed below, approves this proposal and agrees to be bound by the terms and conditions contained in this proposal. Deposit amounts are collected at time of written authorization to proceed. If you are a first-time client, we request that the balance due for these services be paid at the time of report completion. Once your account is established, our terms are net 30 days. Any invoices over 30 days will be assessed a 1 1/2 percent service charge per month until paid in full.

PLEASE ENTER INFORMATION LEGISLY BELOW SO IT CAN BE UTILIZED FOR PROJECT SET-UP:

SIGNATURE:		_ DATE:	
DOINT NAME			
PRINT NAME:		_ TITLE:	
COMPANY NAME:			
ADDRESS:			
PHONE:	EMAIL:		
Torry Island Force Main Chen Moore Tor	ry Island Belle Glade geo 7-22-21		

General Terms and Conditions

For the purpose of this project, the addressee of this proposal will be known as the Client. The client is expected to furnish NUTTING ENGINEERS OF FLORIDA, INC. ("NE"), with accurate information including sketch of survey and/or site plan, construction drawings/specifications as appropriate, details of proposed construction including the proposed structural system and loads or existing construction problem information and site accessibility information as appropriate. Other information requirements may be detailed in the enclosed proposal. IF ANY CONDITIONS CHANGE such as building layout, loading, project specifications/design, or unusual site conditions are observed, NE should be notified immediately in writing about the changed condition for possible review and comment. Should the Client wish to impose other conditions and requirements beyond those contained in this proposal such as in a separate contract, we reserve the option to modify contract language, fee amounts, to remove our proposal from consideration or other measures as may be indicated.

Delivery – Scheduled upon receipt of written authorization to proceed and deposit unless other arrangements are agreed to in writing. Additional report copies can be provided for a nominal fee to the Client. NE will exercise appropriate measures to ensure project completion within a reasonable time frame subject to existing workloads. However, NE will not be held responsible for unavailability of necessary project data and site access within the time frame agreed upon for the investigation. Project delivery may be delayed if the ENTIRE signed proposal and deposit are not received in a timely manner. The ENTIRE signed quotation should be returned along with the requested project information. This unsigned proposal is valid for 60 days.

Payment - No deposit required with signed agreement. Balance due upon completion of report. Directing NE to proceed with the work shall constitute acceptance of the terms of NE's proposal and these General Terms and Conditions. Interest at the rate of 18% per annum or the highest rate allowable by law whichever is less, will be added to all amounts not paid within 30 days after date of invoice. All attorney fees and expenses associated with collection of past due invoices will be paid by Client.

Insurance – NE maintains Workers' Compensation and Employer's Liability Insurance in conformance with state law. In addition, we maintain Comprehensive General Liability Insurance and Automobile Liability Insurance with bodily injury limits of \$1,000,000.00 and property damage limits of \$1,000,000.00. A certificate of insurance can be supplied evidencing such coverage which contains a clause providing that fifteen days written notice be given prior to cancellation.

Right-of-Entry - Unless otherwise agreed, Client will furnish right-of-entry on the property for NE to make the planned borings, surveys, and/or explorations. NE will not be responsible for removing fences, earth berms, vegetation or other obstructions for purposes of our investigation. NE will take reasonable precautions to minimize damage to the property caused by its equipment and sampling procedures, but the cost of restoration or damage which may result from the planned operations is not included in the contracted amount. If Client desires to restore the property to its former condition, NE will accomplish this and add the cost to its fee. Client agrees to waive all claims arising from or related to the failure to provide NE with proper access to conduct its work.

Damage to Existing Man-made Objects - It shall be the responsibility of the Owner or his duly authorized representative to disclose the presence and accurate location of all hidden or obscure man-made objects relative to routes of access, field tests, sampling, or boring locations. When cautioned, advised or given data in writing that reveal the presence or potential presence of underground or over-ground obstructions, such as utilities, septic tanks, etc., NE will give special instructions to its field personnel. In addition, Client waives any claim against NE arising from damage to existing man-made objects.

Warranty and Limitation of Liability - NE shall perform services for Client in a professional manner, using that degree of care and skill ordinarily exercised by and consistent with the standards of competent consultants practicing in the same or a similar locality as the project. In the event any portion of the services fails to comply with this warranty obligation and NE is promptly notified in writing prior to one year after completion of such portion of the services, NE will re-perform such portion of the services, or if re-performance is impracticable, NE will refund the amount of compensation paid to NE for such portion of the services. This warranty is in lieu of all other warranties. No other warranty, expressed or implied, including warranties of merchantability and fitness for a particular purpose is made or intended by the proposal for consulting services, by furnishing an oral response of the findings made or by any representations made regarding the services included in this agreement. In no event shall NE or any of its professional employees be liable for any special, indirect, incidental or consequential loss or damages, including but not limited to impact and delay claims. The remedies set forth herein are exclusive and the total liability of consultant whether in contract, tort (including negligence whether sole or concurrent), or otherwise arising out of, connected with or resulting from the services provided pursuant to this Agreement shall not exceed the total fees paid by Client or \$50,000.00, whichever is greater. At additional cost, Client may obtain a higher limit prior to commencement of services.

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Chen Moore and Associates Torry Island Force Main geo Belle Glade, Florida Page 4 of 4

PURSUANT TO §558.0035, FLORIDA STATUTES, NE'S INDIVIDUAL EMPLOYEES AND/OR AGENTS MAY NOT BE HELD INDIVIDUALLY LIABLE FOR NEGLIGENCE ARISING OUT OF, CONNECTED WITH, OR RESULTING FROM THEIR SERVICES PROVIDED PURSUANT TO THIS AGREEMENT.

Indemnification – Client agrees to defend, indemnify and save harmless NE from all claims, including negligence claims, suits, losses, personal injuries, death and property liability resulting from NE's performance of the proposed work, whether such claims or damages are caused in part by NE, and agrees to reimburse NE for expenses in connection with any such claims or suits, including reasonable attorney's fees. Client's obligation to indemnify is limited to \$2 million per occurrence, which Client agrees bears a reasonable commercial relationship to the Work undertaken by NE. Client further agrees that these general conditions are a part of the Work's specifications or bid documents, if any.

Sampling or Testing Location - Unless specifically stated to the contrary, the unit fees included in this proposal do not include costs associated with professional land surveying of the site or the accurate horizontal and vertical locations of tests. Field tests or boring locations described in our report or shown on our sketches are based on specific information furnished to us by others and/or estimates made in the field by our technicians. Such dimensions, depths or elevations should be considered as approximations unless otherwise stated in the report. It is understood that all drilling locations are accessible to conventional truck mounted drilling equipment unless otherwise specified by the client. If unscheduled remobilizations or use of portable or all terrain equipment is required additional charges will apply. NE will attempt to clear utilities at our excavation/test locations by manual drilling to 3' below land surface (BLS). Any damage to utilities/obstructions present at client specified test locations or below 3' BLS will be the responsibility of the client and will not be assumed by NE.

Sample Handling and Retention – Generally soil test samples are retained for approximately three months after which time they will be discarded unless written instructions to the contrary are received from the client.

Legal Jurisdiction - The parties agree that any actions brought to enforce any provision of this Agreement shall only be brought in a court of competent jurisdiction located in Palm Beach County, Florida. Any and all causes of action arising out of NE's performance of the Work, including but not limited to claims for indemnity, contribution and equitable subrogation, shall be deemed to have accrued and the applicable statutes of limitations shall commence to run not later than the date of NE's last invoice for the Work performed hereunder.

Force Majeure - NE shall not be held responsible for any delay or failure in performance of any part of this Agreement to the extent such delay or failure is caused by fire, flood, explosion, war, strike, embargo, government requirement, civil or military authority, acts of God, act or omission of subcontractors, carriers, client or other similar causes beyond its control.

Documents - NE shall be entitled to rely upon the accuracy and completeness of all surveys, reports and information furnished by the client. If conditions different from those described in our report are found at the site, NE should be notified in writing immediately upon discovery. NE reserves the right to revise conclusions and recommendations presented in the final report should additional information regarding the project become available. All permits will be obtained by others unless otherwise specified in this proposal or in writing to NE. NE has no liability for consequences of information not provided or unavailable or otherwise not reviewed or known from the normal sources customarily examined by NE in such investigations within the time frame allowed for this investigation under this agreement. The client, entities identified in writing on the address portion of our report, design team professionals engaged by our client and building official staff are entitled to use and rely upon NE'S reports of the current project. Other parties are not authorized to use or rely upon NE'S reports unless NE so states in writing.

NE - General Contract Terms and Conditions May 2017

cc: Connie Gworek – Business Development Associate James Lendl – CMT Division Manager

Torry Island Force Main Chen Moore Torry Island Belle Glade geo 7-22-21



Date:

July 21, 2021

Presented To:

Chen Moore & Associates

500 Australian Avenue South, Suite 850

West Palm Beach, FL 33401

Attention:

Suzanne Dombrowski, P.E.

E: SDombrowski@chenmoore.com

0:561.746.6900

Project:

PBCWUD Torry Island Force Main

SUE Services

Dear Ms. Dombrowski:

We have prepared this proposal for subsurface utility engineering services to perform air vacuum excavation test holes for the above referenced project. The project area is located at Torry Island Campground in Belle Glade, FL., and as shown in the received file from the client:

AttachmentG_Torry Island.pdf

Our scope of work shall be performed in accordance with the Procedures, Exclusions and Assumptions identified below and will follow ASCE 38-02 Standard Guidelines for the Collection and Depiction of Existing Subsurface Utility Data including the following:

1. Air Vacuum Excavation Test Holes - Air vacuum excavation test holes will be performed at the proposed test hole locations.

Air Vacuum Excavation Test Holes Scope of Services

During utility locating by air / vacuum test holes InfraMap will complete the following tasks:

- 1. **Agency Coordination** InfraMap will comply with laws and regulations concerning excavation by coordinating with utility inspectors, property owners, "ONE CALL" and others as required.
- 2. Coordination with Client Throughout the Test Hole process InfraMap will communicate with the Client with updates on the status of the Test Holes. If utilities are not where the records maps indicate, or a utility is discovered that is not shown on any records and is not detectable during the electronic sweep, InfraMap will contact the client and discuss strategies to address the unpredictable field conditions. InfraMap will work with the client in the identification of additional test holes or removal of test holes from future scope of work.
- 3. Test Hole InfraMap will perform the following for the Test Hole task:
 - a. Field locate the proposed Test Hole based on information provided by the client.
 - b. Excavate a Test Hole using air/vacuum excavation. Provide all measures necessary to perform the work safely and to cause no damage to the utility structure. The Test Hole will be of the minimum size required to expose the utility of interest and record the following information:
 - i. Depth below grade (cover).



- ii. Utility material, shape, and overall condition.
- iii. Approximate diameter of pipes, cables, conduits, and the configuration of multiple conduit systems.
- iv. The general directional trend of the utility.
- v. Thickness, type, and condition of paving material.
- vi. General soil conditions.
- c. Install a survey marker directly over the centerline of pipes or edge of concrete structures or conduit banks at grade. Ribbon of appropriate APWA / ULCC color will be installed in the backfill from utility to grade. Indicate on the Test Hole Form the placement of the marker relative to the utility cross section. Record the location of the marker with a minimum of three (3) swing tie measurements to convenient existing permanent structures on site.
- d. Backfill Test Hole with excavated material in 6" lifts by air pneumatic tamping. Soil placed within one (1) foot of the exposed utility will be clean and tamped carefully. Restore Test Hole area to original condition.
- e. Repair and restore all pavement cuts to ensure a long-lasting repair utilizing asphalt cold patch.
- 4. Office Review Office review of the test hole reports will be completed to compare the findings of the test hole to the utility information on the records. InfraMap will evaluate any discrepancies with designators, test hole technicians, and utilities.
- 5. Deliverables Deliverables will include individual test hole reports.

Exclusions and Assumptions:

- 1. At this time, geotechnical borings or subgrade information have not been provided. Large stones, shale, construction debris, or other subsurface conditions including a high groundwater table may limit the ability of our equipment to excavate to the utility and or make it very difficult to visually verify the utility condition and material.
- 2. This proposal assumes test holes will be repaired consistent with the cold patch specifications above. Depending upon test holes locations and/or local, county and state permit requirements, permanent asphalt patch repairs either using hot mix asphalt, asphalt infrared services or cement subbase, are out of the scope of these services. If required, an out-of-scope proposal or supplemental agreement will be prepared before proceeding further.
- 3. Maintenance and Protection of Traffic in local jurisdiction will be provided in accordance with the *Manual on Uniform Traffic Control Devices (MUTCD)*, latest edition or other applicable requirements.
- 4. This service will be provided with due diligence and in a manner consistent with standards of the subsurface utility mapping industry. Every reasonable effort will be made to locate all systems of interest whether indicated on records available to us or not. However, we do not guarantee that all existing utility systems can or will be detected. It may not be possible to detect utilities that we do not have prior knowledge of, such as systems that are not depicted on records available to us. Further, this service is not intended to detect non-utility structures such as but not limited to foundations, buried tanks, septic systems, wells, tunnels, concrete or metal structures, or the true size and limits of subsurface utility vaults and manholes.
- 5. In order to provide a cost-effective service that causes minimal disturbance to site amenities and utilities, and is acceptable to permitting agencies, the size of the Test Hole excavation is kept to a minimum. The diameter of most pipes greater than 24" cannot be recovered directly from one test hole and it may be necessary to perform additional holes.



6. Encased systems and non-encased conduit banks are typically exposed on one edge. This allows the test hole to be excavated down the side of the utility until a discernable bottom edge can be evaluated. Although it is usually possible to determine the bottom edge of these systems, it is not possible to determine conditions under these or other utility systems, such as concrete over pour and other utilities. It is important for the designer to remember that the bottom edge of an encased system or unencased conduit bank may not represent its lowest point, and that the shape of the system may not be the same on both sides.

FEE SCHEDULE

Resource	<u>Rate</u>	<u>Units (Hrs)</u>	<u>Fee</u>
Test Hole 0'-6'	\$ 510.45	20	\$ 10,209.00
Contingent Feet (\$/ft beyond 6' in depth)	\$ 112.00	3	\$ 336.00
Administrative	\$ 60.00	1	\$ 60.00
D: / E	 B 1	Units	
<u>Direct Expenses</u>	Rate	<u>Offits</u>	
<u>Direct Expenses</u> Mileage (\$/mi.)	\$ 0.560	450	\$ 252.00
	 	· · · · · · · · · · · · · · · · · · ·	\$ 252.00 180.00

Our rate to perform air vacuum excavation test holes at the proposed location is \$510.45 per test hole. For this project we anticipate 20 test holes, plus fees associated with administration, mileage, permits, and contingent feet for test holes beyond 6-feet in depth (if applicable), for a total of \$11,037.00. Our cost is in accordance with the scope of services, exclusions, and assumptions as indicated above and includes performing the field services, office coordination and oversight, QA/QC, and final deliverables. If you have any questions or concerns regarding this proposal, please do not hesitate to call at 561.586.0790 or email lreumann@inframap.net.

Regards,

Lee Reumann Survey Manager

ATTACHMENT F

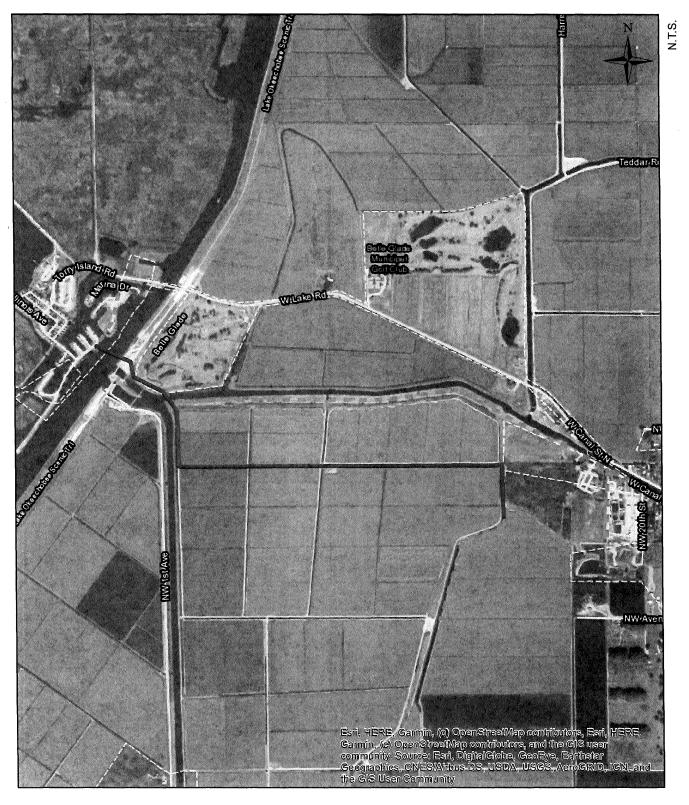
Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services
General Utility, Architectural and Value Engineering Services
Resolution No. R2020-1891 Contract Dated December 15, 2020

SUMMARY OF SBE-M/WBE BUSINESS TRACKING

Master Contract Goals	SBE: 27.00%	M/WBE: 17.00%	MBE (B): 17.00%	
Current Proposal				
Value of Authorization No. <u>5</u>	\$326,842.72			
Value of SBE-M/WBE Letters of Intent	\$64,123.72	\$64,123.72	\$64,123.72	
Actual Percentage	19.61%	19.61%	19.61%	
Signed/Approved Authorizations				
Total Value of Authorizations	\$300,913.92			
Total Value of SBE-M/WBE Signed Subcontractors	\$0.00	\$0.00	\$0.00	
Actual Percentage	0.00%	0.00%	0.00%	
Signed/Approved Authorizations Plus Current Proposal				
Total Value of Authorization	\$627,756.64			
Total Value of Subcontractors & Letters of Intent	\$64,123.72	\$64,123.72	\$64,123.72	
Actual Percentage	10.21%	10.21%	10.21%	

Revised 04/26/2021

Attachment G Location Map



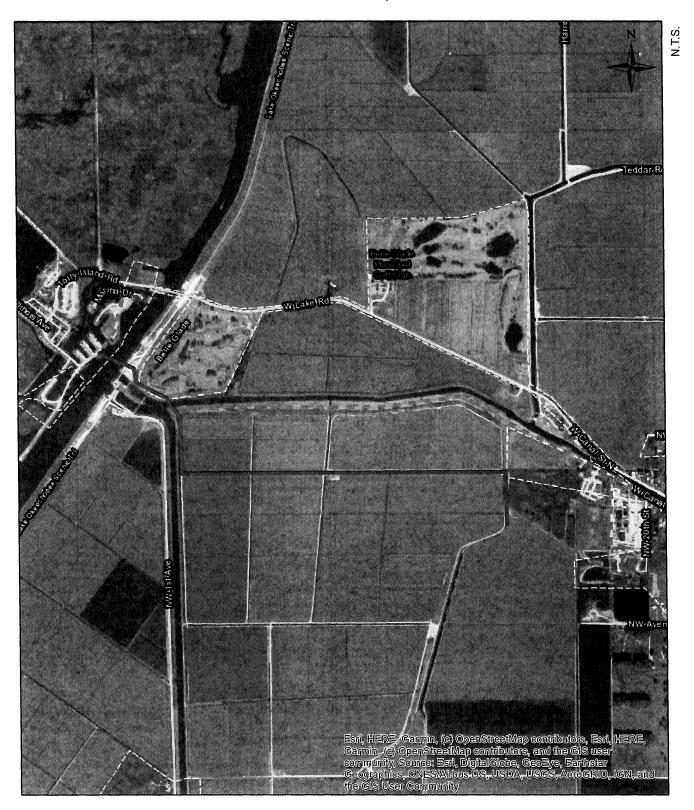
PBCWUD PROJECT No. 21-063

Legend

Proposed Force Main

Existing Force Main

Attachment 2 Agenda Item Location Map



PBCWUD PROJECT No. 21-063

Legend

Proposed Force Main

Existing Force Main

ATTACHMENT 3



Lassiter-Ware Insurance

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

12/21/2020

FAX (A/C, No): (888) 883-8680

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s). CONTACT Wendy Tyree
NAME:
PHONE
(A/C, No, Ext): (800) 845-8437

1300	0 N. Westshore Blvd.				ADDRESS: wendyt@la	assiterware.cor	n			
Suit	e 110				INS	NAIC	#			
Tam	pa			FL 33607	INSURER A : Crum & F	4452	:0			
INSU	RED				INSURER B : Old Dom	4023	J1			
	Chen Moore & Associates, Inc.				INSURER C :					
	500 W. Cypress Creek Road				INSURER D :					
	Suite 630				INSURER E :					
	Fort Lauderdale			FL 33309	INSURER F:					
CO	VERAGES CERT	IFIC	ATE I	NUMBER: 21-22 Cert			REVISION NUMBER:			
IN CI	HIS IS TO CERTIFY THAT THE POLICIES OF IN IDICATED. NOTWITHSTANDING ANY REQUIR ERTIFICATE MAY BE ISSUED OR MAY PERTAI XCLUSIONS AND CONDITIONS OF SUCH POL	REMEI IN, Th	NT, TE IE INS	RM OR CONDITION OF ANY (SURANCE AFFORDED BY THE	CONTRACT OR OTHER POLICIES DESCRIBEI	DOCUMENT V DHEREIN IS SU	VITH RESPECT TO WHICH TH			
INSR LTR			SUBR		POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS			
LTR	COMMERCIAL GENERAL LIABILITY	INSD	WVD	POLICY NUMBER	(MM/DD/YYYY)	(MM/DD/YYYY)	····	s 1,000,000		
						ı	DAMAGE TO RENTED	200 000		
-	CLAIMS-MADE OCCUR						PREMISES (Ea occurrence)	F 000	—-	
^	Contractors Pollution Liability	\ \	,.	EBK400470	04/04/0004	04/04/0000	MED EXP (Any one person)	\$ 5,000		
Α		Υ	Υ	EPK133473	01/01/2021	01/01/2022	PERSONAL & ADV INJURY	\$ 1,000,000		
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	\$ 2,000,000		
	POLICY PRO- LOC						PRODUCTS - COMP/OP AGG	\$ 2,000,000		
	OTHER:							\$		
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,000		
	X ANY AUTO						BODILY INJURY (Per person)	\$		
В	OWNED SCHEDULED AUTOS AUTOS	Υ	Υ	B1T2667W	01/01/2021	01/01/2022	BODILY INJURY (Per accident)	\$		
[HIRED AUTOS ONLY AUTOS ONLY						PROPERTY DAMAGE (Per accident)	\$		
							PIP-Basic	s 10,000		
	UMBRELLA LIAB X OCCUR						EACH OCCURRENCE	\$ 5,000,000		
Α	EXCESS LIAB CLAIMS-MADE	Υ	Υ	EFX116639	01/01/2021	01/01/2022	AGGREGATE	s 5,000,000		
	DED RETENTION \$							\$		
	WORKERS COMPENSATION						PER OTH- STATUTE ER			
	AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE						E.L. EACH ACCIDENT	\$		
	OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	J N/A	`			ì	E.L. DISEASE - EA EMPLOYEE	\$		
	If yes, describe under DESCRIPTION OF OPERATIONS below					[E.L. DISEASE - POLICY LIMIT	s		
			†				C.C. SIGE (GE GEIGI EIM)	- 		
Α	Professional Liability (Claims-Made) Limits included with General Liability		ļ	EPK133473	01/01/2021	01/01/2022	Each Claim	\$1,000,000		
	Limits included with General Liability						Aggregate	\$2,000,000		
DES	CRIPTION OF OPERATIONS / LOCATIONS / VEHICLE	S (AC	ORD 1	I 01 Additional Remarks Schedule	may be attached if more s	nace is required)	1 33 3			
Re: 18-045 Palm Beach County Board of County Commissioners, a Political Subdivision of the State of Florida, its officers, employees and agents are included as additional insured under the terms and conditions of the attached forms on the General Liability and Automobile Liability policies, on a primary and non-contributory basis, when additional insured status is required by written contract. Blanket Waiver of Subrogation is included as part of the General Liability and Automobile Liability policies and apply when required by written contract, provided the contract is executed prior to any loss. Excess Liability extends over the underlying General Liability, Automobile Liability, Professional Liability and Workers' Compensation (Illinois National Insurance Co. #WC 14559391) per the terms and conditions of the policy.										
CE	RTIFICATE HOLDER				CANCELLATION	<u> </u>				
~ -	Palm Beach County Water Utilities Department				SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE					
ı	8100 Forest Hill Boulevard									
	West Palm Beach			FL 33413			icia Sane Selemattz	·		
					_	© 1988-2015	ACORD CORPORATION.	All rights rese	erved.	

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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

1/6/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on

this certificate does not confer rights to	the c	ertificate holder in lieu of si			·					
PRODUCER Libertate Insurance Service	NAME:									
20 N. Orange Avenue, Suite	PHONE (A/C, No.		27-565-2950		FAX (A/C, No):	727	-214-9088			
Orlando, FĽ 32801	E-MAIL ADDRESS	s:w	vc@engagep	eo.com						
			INSURER(S) AFFORDING COVERAGE						NAIC#	
www.libertateins.com			INSURER A: Illinois National Insurance Co.						23817	
INSURED			INSURER B:							
The S2 HR Group, LLC dba Engag Chen Moore & Associates, Inc. (A c	e PE	O (A PEO)	INSURER C:							
3001 Executive Drive, Suite 340	INSURER D:						,			
St. Petersburg FL 33762			INSURER E:							
			INSURER F:							
COVERAGES CERT	IFICA	TE NUMBER: 59576868				REVISION NUM	IBER:			
THIS IS TO CERTIFY THAT THE POLICIES OF INDICATED. NOTWITHSTANDING ANY REQUESTIFICATE MAY BE ISSUED OR MAY PRESCLUSIONS AND CONDITIONS OF SUCH PROPERTY.	UIREI ERTAI OLICIE	MENT, TERM OR CONDITION N, THE INSURANCE AFFORD ES. LIMITS SHOWN MAY HAVE	OF ANY ED BY T BEEN RI	CONTRACT THE POLICIES EDUCED BY I	OR OTHER I S DESCRIBEI PAID CLAIMS.	OCUMENT WITH	RESPEC	T TO W	HICH THIS	
INSR LTR TYPE OF INSURANCE A	DDL SU	VD POLICY NUMBER		POLICY EFF MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)		LIMITS			
GEN'L AGGREGATE LIMIT APPLIES PER: POLICY PRO- POLICY LOC						EACH OCCURRENC DAMAGE TO RENTE PREMISES (Ea occu MED EXP (Any one) PERSONAL & ADV I GENERAL AGGREG PRODUCTS - COMF	ED irrence) person) NJURY	\$ \$ \$ \$ \$		
1 1 1			1			PRODUCTS - COMP		\$		
OTHER: AUTOMOBILE LIABILITY	_					COMBINED SINGLE	11111	\$		
ANY AUTO						(Ea accident) BODILY INJURY (Pe		\$		
OWNED SCHEDULED						BODILY INJURY (Pe		\$		
AUTOS ONLY AUTOS NON-OWNED						PROPERTY DAMAG		\$		
AUTOS ONLY AUTOS ONLY						(Per accident)		\$		
UMBRELLA LIAB OCCUIR										
Tyong Lun						EACH OCCURRENCE		\$		
CLAIMO-MADE						AGGREGATE		\$		
DED RETENTION \$ A WORKERS COMPENSATION	-+-	✓ WC020733749 (FL)		1/1/2021	1/1/2022	PER	OTH- ER	\$		
AND EMPLOYERS' LIABILITY Y/N		VVO020100140 (1 L)		17 17202 1	17 172022	✓ PER STATUTE				
	A/P					E.L. EACH ACCIDE		\$1,000		
(Mandatory in NH) If yes, describe under						E.L. DISEASE - EA I				
DÉSCRIPTION OF OPERATIONS below						E.L. DISEASE - POL	LICY LIMIT	\$1,000	,000	
DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required) Coverage is provided to the leased employees of, but not the subcontractors of, The S2 HR Group, LLC dba Engage PEO (A PEO) Chen Moore & Associates, Inc. (A client of PEO) Includes a Waiver of Subrogation in favor of Palm Beach County.										
CERTIFICATE HOLDER			CANC	ELLATION						

191083

Palm Beach County Water Utilities Department, Director Utilities Engineering 8100 Forest Hill Boulevard West Palm Beach FL 33413 SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Paul R. Hughes

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59576868 | 21/22 WC (Florida Master Only) Ill National | Engage PEO | 1/6/2021 4:10:19 PM (EST) | Page 1 of 2 This certificate cancels and supersedes ALL previously issued certificates.