

PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS

AGENDA ITEM SUMMARY

Meeting Date: December 15, 2020

Consent Regular
Public Hearing

Department: Water Utilities Department

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: Consultant Services Authorization (CSA) No. 30 to the Consulting/Professional Services Utility Distribution & Collection System Engineering Services Contract (Contract) with Mock, Roos & Associates, Inc., (Consultant) for the Lake Worth Road Force Main Improvements (Project) for a not to exceed amount of \$499,302.81.

Summary: On June 20, 2017, the Board of County Commissioners approved the Palm Beach County Water Utilities Department (PBCWUD) Contract (R2017-0818) with Consultant. CSA No. 30 provides for professional engineering services relating to design and permitting of the Project. These services include survey, geotechnical engineering services, construction plans, permitting, and bid support services for the installation of approximately 23,000 linear feet of force main. This Contract was procured under the requirements of the 2002 Small Business Enterprise (SBE) Ordinance (R2002-0064) prior to the adoption of the new Equal Business Opportunity Ordinance on October 16, 2018. The SBE participation goal established under the 2002 Ordinance was 15% overall participation. The Contract provides for 97% SBE participation. CSA No. 30 includes 91.66% SBE participation. The cumulative SBE participation including CSA No. 30 is 82.70%. Consultant is a Palm Beach County based company. The Project is included in the PBCWUD FY 21 Budget. (PBCWUD Project No. 20-076) Districts 2&3 (MJ)

Background and Justification: The existing force main pipe along Lake Worth Road contains multiple smaller parallel force main pipes that are nearing the end of their useful life. This Project includes the replacement of smaller force main pipes with a new single force main pipe with sufficient capacity to support existing and future wastewater flows. The improvements to be completed under this Project will improve the reliability and operability of the wastewater collection system. The Project will also help to reduce the operations and maintenance workload and associated cost.

Attachments:

1. Three (3) Originals of Consultant Services Authorization No. 30
2. Location Map
3. Certificate of Liability Insurance

Recommended By: Jim Stiles 11-12-2020
Department Director Date

Approved By: Neil J. Blum 11/27/2020
Assistant County Administrator Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

| Fiscal Years | 2021 | 2022 | 2023 | 2024 | 2025 |
|--|-------------------------|-----------------|-----------------|-----------------|-----------------|
| Capital Expenditures | <u>\$499,303</u> | <u>0</u> | <u>0</u> | <u>0</u> | <u>0</u> |
| Operating Costs | <u>0</u> | <u>0</u> | <u>0</u> | <u>0</u> | <u>0</u> |
| External Revenues | <u>0</u> | <u>0</u> | <u>0</u> | <u>0</u> | <u>0</u> |
| Program Income (County) | <u>0</u> | <u>0</u> | <u>0</u> | <u>0</u> | <u>0</u> |
| In-Kind Match County | <u>0</u> | <u>0</u> | <u>0</u> | <u>0</u> | <u>0</u> |
| NET FISCAL IMPACT | <u>\$499,303</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 4011 Dept. 721 Unit W019 Object 6547

Is Item Included in Current Budget? Yes X No

Does this item include the use of federal funds? Yes No X

Reporting Category N/A

B. Recommended Sources of Funds/Summary of Fiscal Impact:

One (1) time expenditure from user fees, connection fees and balance brought forward.

C. Department Fiscal Review: _____

III. REVIEW COMMENTS

A. OFMB Fiscal and/or Contract Development and Control Comments:

| | |
|--|---|
| <p><i>[Signature]</i> PG 11/12 OFMB 11/13/2020 11/13</p> | <p><i>[Signature]</i> Contract Development and Control 11-23-2020</p> |
|--|---|

B. Legal Sufficiency:

[Signature]
 Assistant County Attorney
 11/24/2020

C. Other Department Review:

 Department Director

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

CONSULTANT SERVICES AUTHORIZATION NO. 30

Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services
Utility Distribution and Collection System Engineering Services
Resolution No. R2017-0818 Contract Dated June 20, 2017

Project Title: Lake Worth Road Force Main Improvements

WUD Project No.: 20-076

Consultant: Mock, Roos & Associates, Inc.

Address: 5720 Corporate Way, West Palm Beach, FL 33407

Budget Line Item No. 4011-721-W019-6547

District No.: 2 & 3

This Consultant Services Authorization provides for: This project is to design a replacement Force Main in Lake Worth Road from the west side of Jog Road to the east side of Engle Road, measuring approximately 23,000 linear feet (4.35 miles).

(See ATTACHMENT A for detailed scope of services)

The Contract provides for 97 % SBE participation. This Consultant Services Authorization includes 91.66 % overall participation. The cumulative SBE participation, including this authorization is 82.70 %.

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 \$ 499,302.81
 - B. Fixed price of \$ 0
 - C. Total \$ 499,302.81
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.

Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services
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Resolution No. R2017-0818 Contract Dated June 20, 2017

Project Title: Lake Worth Road Force Main Improvements

WUD Project No.: 20-076

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 June 20, 2017, as amended, 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.

Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services
Utility Distribution and Collection System Engineering Services
Resolution No. R2017-0818 Contract Dated June 20, 2017

Project Title: Lake Worth Road Force Main Improvements

WUD Project No.: 20-076

IN WITNESS WHEREOF, this Authorization is accepted, subject to the terms, conditions and obligations of the aforementioned Contract.

PALM BEACH COUNTY, A POLITICAL SUBDIVISION OF THE STATE OF FLORIDA

Sharon R. Bock, Clerk & Comptroller,
Palm Beach County
ATTEST:

Palm Beach County, Board
of County Commissioners

Signed: _____

Signed: _____, Mayor JCS MNL

Typed Name: Deputy Clerk

(Date)

Approved as to Form and Legal
Sufficiency

CONSULTANT: Mock, Roos & Associates, Inc.

Signed: _____

[Signature]
(Signature)

Typed Name: Michael W. Jones
County Attorney

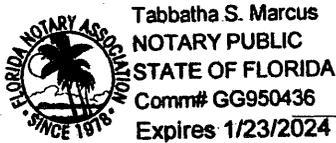
Thomas A Biggs, Exec VP
(Name and Title)

10/23/2020
(Date)

STATE OF FLORIDA
COUNTY OF PALM BEACH

The foregoing instrument was acknowledged before me by means of physical presence or online notarization,
this 23rd day of October, 2020, by Thomas A. Biggs, P.E. who is personally known to me
or has produced _____ as identification.

[Signature]
(Signature of Notary Public - State of Florida)



(Print, Type, or Stamp Commissioned Name of Notary Public)

Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services
Utility Distribution and Collection System Engineering Services
Resolution No. R2017-0818 Contract Dated June 20, 2017

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 |

ATTACHMENT A

SCOPE OF SERVICES

WUD Project No.: 20-076

Project Title Lake Worth Road Force Main Improvements

Background:

Palm Beach County Water Utilities Department (PBCWUD) operates a system of force mains and lift stations serving a portion of PBCWUD's service area just west of the City of Lake Worth Beach. This portion of PBCWUD's service area is bounded roughly by Congress Avenue on the east, Melaleuca Lane on the south, Jog Road on the west, and 10th Avenue North on the north. This portion of the service area includes approximately 147,500 linear feet (28 miles) of 4-inch to 24-inch force main including 3,000 linear feet of Asbestos Cement (AC) pipe, 6,500 linear feet of Cast Iron (CI) pipe, 31,000 linear feet of Ductile Iron (DI) pipe, 107,000 linear feet of Polyvinyl Chloride (PVC) pipe, and 250 linear feet of High Density Polyethylene (HDPE) pipe with an additional 22,000 linear feet of private force mains connected to the system. This pipe network serves 136 connected pump stations (55 PBCWUD stations and 81 private stations). This portion of the system is relatively old and includes some pipelines acquired from private utilities many years ago. PBCWUD staff has reported several recent pipe material failures in this portion of the system with failures increasing in frequency.

PBCWUD requested for Mock, Roos & Associates, Inc. (CONSULTANT) to develop a program to accomplish infrastructure improvements in a coordinated manner to minimize disruption of traffic and redundant surface restoration activities while implementing a planned program to improve the level of service and reliability for these facilities. The resulting report made recommendations to replace the existing system of force mains within Lake Worth Road that have reached their useful service life with a new single force main of sufficient capacity to support not only existing demands but potentially future expanded demands, as adjacent unsewered properties may connect to the system.

PROJECT DESCRIPTION

This project is to design a replacement force main in Lake Worth Road from the west side of Jog Road (through Sherwood Forest Boulevard, Haverhill Road, around Military Trail, through Kirk Road, Davis Road, and Congress Avenue) to the west side of Engle Road.

This portion of Lake Worth Road contains multiple existing smaller parallel wastewater force mains that are nearing or past the end of their useful lives. The replacement of these force mains will allow PBCWUD to provide system reliability and accommodate future growth. The proposed replacement force main will be sized to serve existing and potential future demands in the force main's service area. The proposed pipe route is approximately 23,000 linear feet (4.35 miles) and over 80 lift stations contribute flow to the force main that will be replaced. Sections of the existing force main that are identified to be newer and in acceptable condition will be reviewed to determine if they can be connected to and reused.

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The project will be coordinated with Tetra Tech, Inc., for modeling and verification of pipe sizing, design flows, pressures, and potential need for air release valves. Coordination with the Village of Palm Springs will also be conducted as necessary.

CONSULTANT will provide engineering and related services and act as the PBCWUD's Engineer of Record for the above-described project as more specifically set forth in the **Scope of Services** below. CONSULTANT will utilize the services of Dennis J. Leavy & Associates, Inc., to provide surveying, WGI, Inc., for utility locates, and Radise International, L.C., for geotechnical borings and pavement core services.

SCOPE OF SERVICES

Task 1 – Preliminary Engineering

1. Meet with PBCWUD staff to review the scope of the project, general location of proposed improvements, and obtain PBCWUD input regarding expectations for the project. The kick-off meeting will be followed by a visit to the project site to observe and photo document the existing conditions, to obtain additional information from PBCWUD staff pertaining to current issues with the existing force main and connections, recent modifications, concerns, and expectations for existing components to be replaced.
2. Provide and coordinate survey services to prepare a topographic survey of the area in the immediate vicinity of the proposed pipeline route and provide a base map of the survey data. Obtain horizontal and vertical control utilizing Florida state plane 83/90 adjustment Horizontal Datum and NAVD 88 Vertical Datum. Prepare a calculated base map based upon available right-of-way maps from local governing agencies and recorded plats of record. Prepare a Topographic Survey as defined in Rule SJ-17.050 of the Standards of Practice adopted by the Board of Professional Surveyors and Mappers. In particular, the survey will depict the following information:
 - a. Topography at major ground elevation changes to depict existing ground profile at proposed project area. All Topographical Surveys shall have stationing established from south to north and west to east. This shall be accomplished by creating a baseline in the field to collect pertinent data.
 - b. Location of visible fixed improvements within the proposed project limits, right-of-way, including physical objects, roadway pavement, driveways, sidewalks, walls, curb, drainage swales, trees, signs, fences, power poles, buildings and trees of substantial size that would be pertinent to design lying adjacent to the existing right-of-way.
 - c. Locations of above ground existing utilities: FP&L, BellSouth, Cable TV, Natural Gas, Potable Water (valves, fire hydrants, and meters), Force Mains (valves), Sanitary Sewer, Reclaimed Water Mains (valves), Storm Sewers, including invert elevations, pipe size, type and direction for storm and sanitary infrastructure.
 - d. Elevations shall be indicated at 100 foot stations, at a minimum, to indicate existing grades. Intermediate grades shall be indicated at all significant grade breaks.
 - e. Provide and reference benchmarks. Elevations to be referenced to an existing established City or County Benchmark.
3. Review available record information and survey data. Call in a Sunshine One Call design ticket and coordinate with the utility companies identified on the ticket to have infrastructure located within the project limits. Submit base drawing to other local utilities such as gas, power, and telecommunication providers for mark-up of their existing utilities. Plot utility locations received on the drawing base sheets. Obtain available record and

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update drawings to show known utilities. Attend a site visit to visually verify basemap and utility's provided by franchise utility companies.

4. Provide and coordinate underground utility location services to confirm existing subsurface utility locations at up to 70 locations, as necessary to advance engineering design to 60% completion. Perform an ASCE 38-02 Quality Level B utility investigation, in order to identify the utility conflicts within a 5-foot radius of the test hole locations along Lake Worth Road. This includes direct induction of toneable subsurface utility facilities from surface accessible features, and a Ground Penetrating Radar sweep for non-toneable facilities. Mark detected facilities with American Public Works Association (APWA) compliant colors, flags on soft ground and washable chalk on hard surfaces. Provide an ASCE 38-02 Quality Level A field investigation within the project limits. Provide a test-hole data sheet with the obtainable data, digital photos, utility description, depth, size, type, direction, and material of the facility. Provide survey and location of utility test holes using network corrected Global Navigation Satellite Systems (GNSS) surveying methods.
5. Provide and coordinate geotechnical engineering services to perform up to five (5) asphalt cores. Standard Penetration Tests (SPT) boring will be advanced within the cored holes to depths of 10-feet below the existing ground surface and perform up to 10 additional asphalt cores.
6. Submit preliminary base sheets at 1-inch to 20-foot scale (approximately 55 sheets) to PBCWUD for review and comment.
7. Develop a preliminary alignment and phasing implementation plan to identify potential interim phasing in roadway sections containing multiple existing force mains. Identify critical existing valves that need to be fully closed for completing tie-ins during construction. Coordinate with PBCWUD to confirm that the critical valves fully close. Results of this task will be incorporated into the Construction Contract Document development.
8. Meet with PBCWUD staff to review the preliminary submittal and respond to questions or comments.
9. Complete design calculations and force main sizing based on existing and proposed contributing flow. Coordinate with Tetra Tech, Inc., to discuss modeling and verification of pipe sizing, design flows, pressures, potential need for air release valves. Coordination with the Village of Palm Springs will also be conducted as necessary. Attend a meeting with PBCWUD to discuss final force main sizing. Final calculations will include the purpose, a list of assumptions, and recommendations. The final calculations will be submitted to the Palm Beach County Health Department to obtain a permit for the project.

Task 1 Deliverables:

1. Topographic survey for the project corridor.
2. Test-hole Report prepared to document existing utilities located during the field investigation.
3. Geotechnical report with soli boring and pavement cores.
4. Preliminary base sheets.
5. Final force main calculations.

Task 2 – Design Phase Services:

1. Develop one (1) set of construction drawings (approximately 65 sheets) consisting of a cover sheet, general notes and location map, key sheet, suggested by-pass sequence, plan and profile sheets (1-inch to 20-foot scale), enlarged tie-in details as necessary, and detail sheets. Review the design in the field prior to submittal to PBCWUD.

CONSULTANT will follow established standards and processes for the assurance of quality control in the development of deliverables associated with the design effort. All quality reviews will be sufficiently documented with each of the Construction Contract Document Development Submittals. The development of the construction drawings will follow a standard Intermediate (60-percent), Pre-Final (95-percent) and Final (100-percent) review schedule. The QA/QC process will resolve comments and issues at the appropriate point in the review process. CONSULTANT will compile the construction drawings adequately for awarding the project via the PBCWUD's continuing contract and for constructing the referenced improvements.

2. Prepare technical specifications and a schedule of values for the project, anticipated to be awarded to one of PBCWUD's continuing construction contractors. CONSULTANT will follow established standards and processes for the assurance of quality control in the development of deliverables associated with the design effort. All quality reviews will be sufficiently documented with each of the Contract Document Development Submittals.

The development of the technical specifications will follow a standard Intermediate (60-percent) List of Specifications by Division, Pre-Final (95-percent) and Final (100-percent) complete specifications for review. The QA/QC process will resolve comments and issues at the appropriate point in the review process. CONSULTANT will compile the technical specifications adequately for awarding the project via PBCWUD's continuing contract and for constructing the referenced improvements.

3. Submit progress drawings at 60-percent and 95-percent completion. The 60-percent intermediate progress submittal is anticipated to address the comments from the preliminary design and include the completed survey, construction drawings, a list of technical specifications by division, and an Engineer's Opinion of Construction Cost. The 60-percent intermediate progress submittal is intended to define and "lock" the Project components, confirm budget, and provide sufficient technical detail to allow PBCWUD to evaluate and comment on the design at the intermediate level. The 95-percent pre-final progress submittal is anticipated to address the comments from the 60-percent intermediate progress submittal and include the completed design calculation, construction drawings, the technical specifications by division, and an Engineer's Opinion of Construction Cost (EOPCC). The 95-percent pre-final progress submittal is intended to confirm budget, provide sufficient technical detail to allow PBCWUD to evaluate and comment on the design. It is intended that the pre-final design will be provided to the permitting agencies for review.
4. Meet with PBCWUD after each submittal to review progress drawings, discuss design options, and respond to questions.
5. Estimate quantities and prepare an Engineer's Opinion of Probable Construction Cost and recommendations for construction duration at the 60-percent and 95-percent levels of completion.

6. Prepare a Health Department permit application package including attachments and submit for approval. (PBCWUD will pay application fees.) Prepare and submit responses to Health Department comments, if required.
7. Prepare utility in roadway permit applications to Florida Department of Transportation (FDOT) and Palm Beach County Engineering and Public Works Land Development Division (PBCLD) if needed. Prepare and submit responses to Health Department comments, if required.
8. Provide 100-percent final design phase deliverables consisting of construction drawings, project specifications, and schedule of values in paper copies and electronic portable data files (PDF). The 100-percent submittal will include construction constraints such as allowable shutdown time periods, required by-pass, and any suggested sequences of construction.

Task 2 Deliverables:

1. 60-percent complete submittal package.
2. 95-percent complete submittal package.
3. 100-percent complete submittal package.
4. EOPCC and Construction Duration Recommendations.
5. Permit Applications for FDOT, Health Department, and PBCLD if required.

Task 3 – Project Award:

1. Provide electronic PDF copies of the drawings and project manual for PBCWUD to provide to the continuing construction contractor. Attend a pre-proposal conference and site visit with prospective contractors.
2. Assist PBCWUD in preparing responses to questions from the prospective contractor during project negotiation phase.
3. Assist PBCWUD to review and adjust unit price quantities as necessary.
4. Provide PBCWUD with a “Recommendation for Award” based on the contractor proposal. Coordinate with PBCWUD and the selected contractor to assist in awarding the contract.

Task 3 Deliverables:

1. Issued for Construction Package.
2. Letter of Recommendation for Award.

Task 4 – Engineering Services During Construction:

CONSULTANT shall perform engineering services during construction to assist PBCWUD in monitoring the construction of miscellaneous distribution & collection system projects designed by CONSULTANT. CONSULTANT will assist PBCWUD as a representative and PBCWUD will be the primary point of contact for the construction of the project.

The CONSULTANT'S Scope of Services may include performance of the following specific tasks. Other tasks associated with the construction contract administration, project certification, and site

inspection shall be conducted by others and can be added to the CONSULTANT'S scope of services by amendment if mutually agreed. The hours associated with the Scope of Services shall be based on the anticipated construction duration selected during the design. The CONTRACTOR shall issue all communication through the PBCWUD to the CONSULTANT and the CONSULTANT will issue all communication to the CONTRACTOR through PBCWUD. When requested the CONSULTANT will provide the following:

1. Contract Document Distribution - The CONSULTANT will provide PBCWUD with up to four (4) sets of Conformed Contract Documents for PBCWUD and the CONTRACTOR to use during construction and provide up to two (2) compact disks containing the Project AutoCAD (version 2021) drawings for PBCWUD and the CONTRACTOR's use in preparing Record Drawings.
2. Pre-Construction Meeting - The CONSULTANT will prepare for and conduct a Pre-Construction meeting with PBCWUD and the CONTRACTOR and other appropriate stakeholders as needed. CONSULTANT will prepare and distribute the pre-construction meeting minutes.
3. Coordination Meetings – The CONSULTANT will prepare for and conduct progress meetings up to approximately every two weeks as needed during the construction period. It is assumed that meetings will be held at PBCWUD's Central Regional Operations Center (CROC) office. Consultant will prepare and distribute meeting minutes.
4. Permitting Assistance – CONSULTANT will coordinate with PBCWUD and various permitting agencies (if requested by PBCWUD) to assist PBCWUD with tasks related to permits and close-out of permits.
5. Shop Drawing Review – CONSULTANT will review and provide comments on the engineering equipment and material shop drawings submitted by the CONTRACTOR to PBCWUD. The shop drawings will be provided to the CONSULTANT by PBCWUD. The reviewed show drawings will be returned to PBCWUD for PBCWUD to distribute to the CONTRACTOR. The CONSULTANT will prepare the shop drawing log and provide an updated copy of the shop drawing log to PBCWUD at PBCWUD's request. PBCWUD shall be responsible for ensuring that all required shop drawings are provided by the CONTRACTOR for review and comment as required. PBCWUD shall be responsible for review and approval of all other submittals outlined in the Contract Documents.
6. Requests for Information (RFI) – CONSULTANT shall respond in writing to CONTRACTOR's RFIs submitted by the CONTRACTOR to PBCWUD, regarding design documents for the Project. CONSULTANT, after consultation with PBCWUD, shall issue interpretations and clarifications of the Contract Documents, along with associated support materials, as requested by PBCWUD. These interpretations will be rendered, and a response prepared and submitted to PBCWUD for issuance to the CONTRACTOR.
7. Field Observations – The CONSULTANT will provide a Field Representative to perform field observations of the Contractor's Work, supplementing the field observations performed by PBCWUD staff. The CONSULTANT will prepare field observation reports for

the CONSULTANT's and PBCWUD's review. Field Reports will be transmitted every two (2) weeks to PBCWUD. It is anticipated that field visits by the ENGINEER will be conducted during the active construction period.

8. Substantial Completion/Punchlists – The CONSULTANT will perform one (1) “substantial completion walkthrough” and develop a punchlist. CONSULTANT, together with the CONTRACTOR and PBCWUD, shall determine when substantial completion occurs, defined as the ability of PBCWUD to achieve beneficial use of the Project. CONSULTANT will prepare and distribute the Certificate of Substantial Completion to PBCWUD for execution by PBCWUD and CONTRACTOR along with associated punch-lists of remaining work for the project.
9. Record Drawings – The CONTRACTOR is required to submit record drawings as required by the Contract Documents. CONSULTANT shall review the record drawing submitted by the CONTRACTOR on a monthly basis and in totality prior to substantial completion and final completion to verify conformance with Contract Documents.
10. Final Completion Walk-Through/Follow-up – The CONSULTANT will perform one (1) "final completion walk-through" at the end of the project with the CONTRACTOR and PBCWUD to review the facilities completed and to determine final completion and resolution of all punchlist items. Following final completion of the project, the CONSULTANT shall provide PBCWUD with a project completion statement for use in closing out all permits.
11. Contract Administration – Under this task, the CONSULTANT shall administer the Contract between the CONSULTANT and PBCWUD, and the CONSULTANT shall monitor progress of the project, manage resources to achieve the schedule, budget, and work quality goals of the project. Communications with PBCWUD regarding invoices and the required documentation will be conducted under this task and invoices shall be prepared monthly.

Task 4 Deliverables:

1. Meeting Minutes.
2. Shop Drawing Review.
3. Field Reports.
4. Substantial Completion Punch List.

Task 5 – Project Management:

Project Management includes management of the engineering design process, coordinating with PBCWUD, Contract administration, project meeting with PBCWUD staff for the duration of the design.

1. The progress of the project will be monitored and resources will be managed to achieve the schedule, budget, and work quality goals of the project. The CONSULTANT will keep PBCWUD informed as to the status and progress of the project. Communications with

PBCWUD will be conducted under this Task.

2. Submit a monthly status report summarizing the progress of the project along with an updated project schedule. This report and schedule are anticipated to be submitted on the second Friday of every month for the duration of the contract with monthly invoices.
3. Attend and participate in project coordination meetings with PBCWUD staff.

Task 5 Deliverables:

1. Project Schedule updates.
2. Invoices.

Assumptions:

1. PBCWUD shall pay all permit and application fees.
2. Progress submittals will be electronic.
3. If necessary, additional test holes beyond the 70 provided in this CSA can be provided by sub-consultant under our CSA No. 22 (WUD Project No. 18-026).
4. The project will be awarded to one of PBCWUD's continuing construction contractors.
5. Engineering Services During Construction hours will be adjusted based on final design.
6. Off-duty police for lane closures are not anticipated and not included in this proposal.
7. PBCWUD shall perform public outreach and coordination with project stakeholders.
8. The existing aerial crossing can be reused as part of this design and no structural or geotechnical services associated with a new aerial crossing are included.
9. The proposed force main is anticipated to be located outside of the Military Trail intersection.

ATTACHMENT B
SUMMARY AND STATUS OF CONSULTANT SERVICES AUTHORIZATIONS

| Auth. No. | WUD Project No. | Title | Status | Project Total Amount | SBE Total Amount | SBE Participation % | Approved | |
|-----------|-----------------|--|----------|----------------------|------------------|---------------------|----------|----------|
| | | | | | | | By | Date |
| 1 | 17-077 | Priority Aerial Canal Crossing Improvements Phase 2 | Closed | \$243,900.00 | \$184,464.84 | 75.63% | BCC | 01/23/18 |
| 1.1 | 17-077 | Priority Aerial Canal Crossing Improvements Phase 2 | Closed | \$29,646.46 | \$20,596.46 | 69.47% | WUD | 06/04/18 |
| 2 | 18-026 | Utility Location Services | Closed | \$44,899.74 | \$13,899.74 | 30.95% | WUD | 03/05/18 |
| 3 | 14-037 | Runyon Village; Water and Wastewater System Improvement | Closed | \$16,824.04 | \$16,824.04 | 100.00% | WUD | 04/06/18 |
| 3.1 | 14-037 | Runyon Village; Water and Wastewater System Improvement | Closed | \$5,052.93 | \$5,052.93 | 100.00% | WUD | 10/30/18 |
| 4 | 18-041 | Century Village Water System Valve Program, Years 2, 3, 4, and 5 | Closed | \$40,523.34 | \$40,523.34 | 100.00% | WUD | 04/27/18 |
| 5 | 18-044 | Reclaimed Water Delivery Controls at Seminole Improvement District M2 Canal | Closed | \$28,006.39 | \$28,006.39 | 100.00% | WUD | 06/22/18 |
| 6 | 18-063 | 12-Inch Force Main on Sandalfoot Boulevard | Closed | \$29,448.69 | \$24,628.69 | 83.63% | WUD | 07/27/18 |
| 7 | 18-065 | Pump Station 5229 Pump Equipment Replacement – Preliminary Study | Closed | \$29,306.75 | \$14,416.75 | 49.19% | WUD | 07/16/18 |
| 8 | 18-026 | Utility Location Services | Approved | \$47,005.33 | \$16,005.33 | 34.05% | WUD | 08/31/18 |
| 9 | 18-072 | Water Treatment Plant No. 11 Repair of Damaged 30" H.D.P.E. Raw Water Main | Approved | \$22,525.63 | \$22,525.63 | 100.00% | WUD | 10/02/18 |
| 10 | 18-078 | Watermain Replacement on South Main Street, from S.E. Ave. K to Ice House in Belle Glade | Approved | \$67,671.25 | \$56,171.25 | 83.00% | CRC | 10/31/18 |
| 11 | 19-005 | Surveying and Permitting of Utility Encroachments within the Hillsboro Canal Right-of-Way in Belle Glade | Approved | \$49,906.88 | \$29,106.88 | 58.32% | WUD | 01/02/19 |
| 11.1 | 19-005 | Surveying and Permitting of Utility Encroachments within the Hillsboro Canal Right-of-Way in Belle Glade | Approved | \$34,942.12 | \$28,892.12 | 82.68% | WUD | 09/06/19 |
| 11.2 | 19-005 | Surveying and Permitting of Utility Encroachments within the Hillsboro Canal Right-of-Way in Belle Glade | Approved | \$14,784.62 | \$12,534.62 | 84.78% | WUD | 05/15/20 |
| 12 | 19-013 | Utility Relocations for Belle Glade Citywide Sidewalk Improvements | Closed | \$82,239.36 | \$82,239.36 | 100.00% | CRC | 03/06/19 |
| 12.1 | 19-013 | Utility Relocations for Belle Glade Cityside Sidewalk Improvements | Closed | \$8,463.20 | \$8,463.20 | 100.00% | WUD | 10/23/19 |
| 13 | 18-026 | Utility Location Services | Approved | \$47,005.33 | \$16,005.33 | 34.05% | WUD | 02/25/19 |
| 14 | 19-048 | Palm Beach National Golf and Country Club Water Main Replacement | Approved | \$103,873.80 | \$103,873.80 | 100.00% | BCC | 08/20/19 |
| 15 | 19-047 | Lift Station Pressure Nodes Addition | Approved | \$59,409.16 | \$59,409.16 | 100.00% | CRC | 09/18/19 |
| 16 | 19-064 | Loxahatchee Groves Park Lift Station and Force Main | Approved | \$24,233.32 | \$24,233.32 | 100.00% | WUD | 08/14/19 |
| 17 | 19-086 | Belvedere Heights Water Main Replacement Phase 1 | Approved | \$75,230.69 | \$75,230.69 | 100.00% | CRC | 11/27/19 |
| 18 | 19-050 | Lake Worth Road Corridor Force Main Evaluation | Approved | \$96,869.58 | \$83,669.58 | 86.37% | CRC | 01/22/20 |
| 19 | 20-007 | Lift Station 8306 Improvements | Approved | \$89,701.69 | \$89,701.69 | 100.00% | CRC | 02/12/20 |
| 20 | 20-008 | Improvements to Lift Stations 1043, 1045, and 5209 | Approved | \$164,415.66 | \$148,965.66 | 90.60% | BCC | 03/10/20 |
| 21 | 18-026 | Utility Location Services | Approved | \$46,579.33 | \$15,579.33 | 33.44% | WUD | 03/12/20 |
| 22 | 18-026 | Utility Location Services | Approved | \$91,842.74 | \$19,842.74 | 21.60% | CRC | 05/13/20 |
| 23 | 20-028 | Belvedere Heights Water Main Replacement Phase 2 | Approved | \$77,191.46 | \$68,691.46 | 88.98% | CRC | 06/17/20 |
| 24 | 20-027 | West Boca Force Main Interconnect Program | Approved | \$107,387.91 | \$95,587.91 | 89.01% | BCC | 06/02/20 |
| 25 | 20-031 | Lift Stations 980 and 981 Improvements | Approved | \$64,637.48 | \$52,987.48 | 81.97% | CRC | 07/29/20 |
| 26 | 20-056 | Century Village South Water Main Improvement | Approved | \$255,518.70 | \$233,038.70 | 91.20% | BCC | 09/15/20 |
| 27 | 18-044 | Reclaimed Water Delivery Controls at Seminole Improvement District M2 Canal | Pending | \$39,963.71 | \$39,963.74 | 100.00% | WUD | Pending |
| 28 | 20-007 | Lift Station 8306 Improvements | Pending | \$73,685.39 | \$73,685.39 | 100.00% | CRC | Pending |
| 29 | 20-064 | Construction Phase Services for Miscellaneous Distribution and Collection Systems Projects | Pending | \$47,442.64 | \$47,442.64 | 100.00% | WUD | Pending |
| 30 | 20-076 | Lake Worth Force Main Improvements | Pending | \$499,302.81 | \$457,683.14 | 91.66% | 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

Lake Worth Road Force Main Improvements

SOLICITATION/PROJECT/BID NAME: _____
 NAME OF PRIME RESPONDENT/BIDDER: Mock, Roos & Associates, Inc.
 CONTACT PERSON: Thomas A. Biggs, P.E.
 SOLICITATION OPENING/SUBMITTAL DATE: N/A

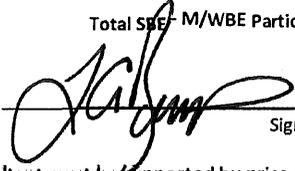
SOLICITATION/PROJECT/BID No.: WUD 20-076
 ADDRESS: 5720 Corporate Way, WPB, FL 33407
 PHONE NO.: (561) 683-3113 E-MAIL: thomas.biggs@mockroos.com
 DEPARTMENT: Palm Beach County Water Utilities Department

PLEASE LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY THE PRIME CONTRACTOR/CONSULTANT ON THIS PROJECT. PLEASE ALSO LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY ALL SUBCONTRACTORS/SUBCONSULTANTS ON THE PROJECT.

| Name, Address and Phone Number | (Check all Applicable Categories) | | | DOLLAR AMOUNT OR PERCENTAGE OF WORK | | | | | |
|---|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|----------|-------|---------------------|---------------------|-------------------|
| | Non-SBE | M/WBE | SBE | Black | Hispanic | Women | Caucasian | Other (Asian) | |
| | | Minority/Women Business | Small Business | | | | | | |
| 1. Mock, Roos & Associates, Inc. 5720 Corporate Way West Palm Beach, FL 33407 (561) 683-3113 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | _____ | _____ | _____ | \$308,416.14/61.76% | _____ | |
| 2. Dennis J. Leavy & Associates, Inc. 460 Business ParkWay, Suite B, Royal Palm Beach, FL 33411 (561) 753-0650 | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | _____ | _____ | _____ | \$137,500.00/27.53% | _____ | |
| 3. WGI, Inc. 2035 Vista Parkway West Palm Beach, FL 33411 (561) 687-2220 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | _____ | _____ | _____ | \$41,619.67/8.33% | _____ | |
| 4. RADISE International, LC 4152 W. Blue Heron Blvd., Suite 1114 Riviera Beach, FL 33404 (561) 841-0103 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | _____ | _____ | _____ | _____ | \$11,767.00/2.35% | |
| 5. _____ | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | _____ | _____ | _____ | _____ | _____ | |
| (Please use additional sheets if necessary) | | | | | | | Total | \$487,535.81/97.62% | \$11,767.00/2.35% |

Total Bid Price \$ 499,302.81

Total SBE/ M/WBE Participation \$457,683.14/91.66%

I hereby certify that the above information is accurate to the best of my knowledge:  Signature Thomas A. Biggs, P.E., Executive Vice President Title

- Note:
- 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.
 - 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.
 - Modification of this form is not permitted and will be rejected upon submittal.

ATTACHMENT C

OEBO SCHEDULE 2

Office of Equal Business Opportunity Compliance Programs

Revised 09/21/2020

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, both parties recognize this Schedule as a binding document. All Subcontractors/subconsultants, including any tiered Subcontractors/subconsultants, must properly execute this document. Each properly executed Schedule 2 must be submitted with the bid/proposal.

20-076

SOLICITATION/PROJECT NUMBER: _____
 SOLICITATION/PROJECT NAME: Lake Worth Force Main Improvements

Prime Contractor: Mock, Roos & Associates, Inc. Subcontractor: Mock, Roos & Associates, Inc.

(Check box(s) that apply)

SBE WBE MBE M/WBE Non-S/M/WBE Date of Palm Beach County Certification (if applicable): 10.16.16- 10.15.19

The undersigned affirms they are the following (select one from each column **if applicable**):

| | | |
|--|--|-----------------------------------|
| Column 1 | Column 2 | Column 3 |
| <input checked="" type="checkbox"/> Male <input type="checkbox"/> Female | <input type="checkbox"/> African-American/Black <input type="checkbox"/> Asian American <input checked="" type="checkbox"/> Caucasian American | <input type="checkbox"/> Supplier |
| | <input type="checkbox"/> Hispanic American <input type="checkbox"/> Native American | |

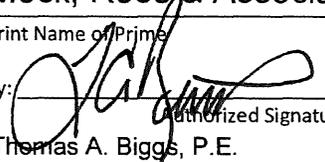
S/M/WBE PARTICIPATION – S/M/WBE Primes must document all work to be performed by their own work force on this form. Failure to submit a properly executed Schedule 2 for any S/M/WBE participation may result in that participation not being counted. Specify in detail, the scope of work to be performed or 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 | Civil Engineering | 1 | LS | | \$308,416.14/61.76% |
| | | | | | |
| | | | | | |
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The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: \$308,416.14/61.76%

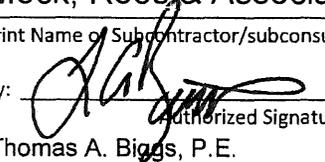
If the undersigned intends to subcontract any portion of this work to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 2.

_____ Price or Percentage: _____
 Name of 2nd/3rd tier Subcontractor/subconsultant

Mock, Roos & Associates, Inc.
 Print Name of Prime
 By: 
 _____ Authorized Signature
 Thomas A. Biggs, P.E.

 Print Name
Executive Vice President

 Title
 Date: October 23, 2020

Mock, Roos & Associates, Inc.
 Print Name of Subcontractor/subconsultant
 By: 
 _____ Authorized Signature
 Thomas A. Biggs, P.E.

 Print Name
Executive Vice President

 Title
 Date: October 23, 2020

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, both parties recognize this Schedule as a binding document. All Subcontractors/subconsultants, including any tiered Subcontractors/subconsultants, must properly execute this document. Each properly executed Schedule 2 must be submitted with the bid/proposal.

SOLICITATION/PROJECT NUMBER: - 20-076
 SOLICITATION/PROJECT NAME: Lake Worth Force Main Improvements

Prime Contractor: Mock, Roos & Associates, Inc. Subcontractor: Dennis J. Leavy & Associates, Inc.

(Check box(s) that apply)
 SBE WBE MBE M/WBE Non-S/M/WBE Date of Palm Beach County Certification (if applicable): 02.15.19 - 02.24.22

The undersigned affirms they are the following (select one from each column if applicable):

| | | |
|--|--|-----------------------------------|
| Column 1 | Column 2 | Column 3 |
| <input checked="" type="checkbox"/> Male <input type="checkbox"/> Female | <input type="checkbox"/> African-American/Black <input type="checkbox"/> Asian American <input checked="" type="checkbox"/> Caucasian American | <input type="checkbox"/> Supplier |
| | <input type="checkbox"/> Hispanic American <input type="checkbox"/> Native American | |

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.

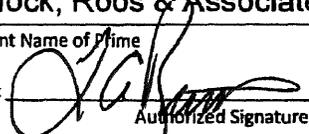
| Line Item | Item Description | Unit Price | Quantity/ Units | Contingencies/ Allowances | Total Price/Percentage |
|-----------|------------------|------------|-----------------|---------------------------|------------------------|
| 2 | Survey | 1 | LS | | \$137,500.00/27.53% |
| | | | | | |
| | | | | | |
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| | | | | | |

The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: \$137,500.00/27.53%

If the undersigned intends to subcontract any portion of this work to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 2.

 Name of 2nd/3rd tier Subcontractor/subconsultant

Price or Percentage: _____

Mock, Roos & Associates, Inc.
 Print Name of Prime
 By: 
 Authorized Signature
Thomas A. Biggs, P.E.
 Print Name
Executive Vice President
 Title
 Date: October 23, 2020

Dennis J. Leavy & Associates, Inc.
 Print Name of Subcontractor/subconsultant
 By: 
 Authorized Signature
David A. Bower, PSM
 Print Name
Vice President
 Title
 Date: October 23, 2020

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, both parties recognize this Schedule as a binding document. All Subcontractors/subconsultants, including any tiered

Subcontractors/subconsultants, must properly execute this document. Each properly executed Schedule 2 must be submitted with the bid/proposal.

SOLICITATION/PROJECT NUMBER: 20-076

SOLICITATION/PROJECT NAME: Lake Worth Force Main Improvements

Prime Contractor: Mock, Roos & Associates, Inc. Subcontractor: WGI, Inc.

(Check box(s) that apply)

SBE WBE MBE M/WBE Non-S/M/WBE Date of Palm Beach County Certification (if applicable): _____

The undersigned affirms they are the following (select one from each column if applicable):

| | | |
|--|--|-----------------------------------|
| Column 1 | Column 2 | Column 3 |
| <input checked="" type="checkbox"/> Male <input type="checkbox"/> Female | <input type="checkbox"/> African-American/Black <input type="checkbox"/> Asian American <input checked="" type="checkbox"/> Caucasian American | <input type="checkbox"/> Supplier |
| | <input type="checkbox"/> Hispanic American <input type="checkbox"/> Native American | |

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.

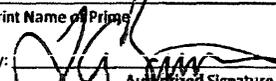
| Line Item | Item Description | Unit Price | Quantity/ Units | Contingencies/ Allowances | Total Price/Percentage |
|-----------|--------------------------------|------------|-----------------|---------------------------|------------------------|
| 3 | Subsurface Utility Engineering | 1 | LS | | \$41,619.67/8.33% |
| | | | | | |
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The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: \$41,619.67/8.33%

| | |
|---|----------------------------|
| If the undersigned intends to subcontract any portion of this work to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 2. | |
| Name of 2 nd /3 rd tier Subcontractor/subconsultant _____ | Price or Percentage: _____ |

Mock, Roos & Associates, Inc.

Print Name of Prime

By: 
Authorized Signature

Thomas A. Biggs, P.E.

Print Name

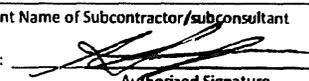
Executive Vice President

Title

Date: October 23, 2020

WGI, Inc.

Print Name of Subcontractor/subconsultant

By: 
Authorized Signature

Mario Echagarrua

Print Name

Director

Title

Date: October 23, 2020

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, both parties recognize this Schedule as a binding document. All Subcontractors/subconsultants, including any tiered Subcontractors/subconsultants, must properly execute this document. Each properly executed Schedule 2 must be submitted with the bid/proposal.

SOLICITATION/PROJECT NUMBER: 20-076
 SOLICITATION/PROJECT NAME: Lake Worth Force Main Improvements

Prime Contractor: Mock, Roos & Associates, Inc. Subcontractor: RADISE International, L.C.

(Check box(es) that apply)

SBE WBE MBE M/WBE Non-S/M/WBE Date of Palm Beach County Certification (if applicable): 12.13.17-12.12.20

The undersigned affirms they are the following (select one from each column if applicable):

| | | |
|--|--|-----------------------------------|
| Column 1- | Column 2- | Column 3- |
| <input checked="" type="checkbox"/> Male <input type="checkbox"/> Female | <input type="checkbox"/> African-American/Black <input checked="" type="checkbox"/> Asian American <input type="checkbox"/> Caucasian American | <input type="checkbox"/> Supplier |
| | <input type="checkbox"/> Hispanic American <input type="checkbox"/> Native American | |

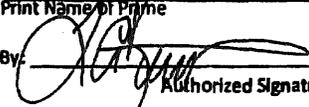
S/M/WBE PARTICIPATION – S/M/WBE Primes must document all work to be performed by their own work force on this form. Failure to submit a properly executed Schedule 2 for any **S/M/WBE** participation may result in that participation not being counted. Specify in detail, the scope of work to be performed 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.

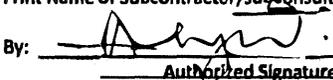
| Line Item | Item Description | Unit Price | Quantity/ Units | Contingencies/ Allowances | Total Price/Percentage |
|-----------|--------------------------|------------|-----------------|---------------------------|------------------------|
| 4 | Geotechnical Engineering | 1 | LS | | \$11,787.00/2.35% |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: \$17,787.00/2.35%

If the undersigned intends to subcontract any portion of this work to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 2.

_____ Price or Percentage: _____
 Name of 2nd/3rd tier Subcontractor/subconsultant

Mock, Roos & Associates, Inc.
 Print Name of Prime
 By: 
 Authorized Signature
 Thomas A. Biggs, P.E.
 Print Name
Executive Vice President
 Title
 Date: October 23, 2020

RADISE International, L.C.
 Print Name of Subcontractor/subconsultant
 By: 
 Authorized Signature
 Achyut K. Allady
 Print Name
Manager
 Title
 Date: October 23, 2020

ATTACHMENT D

PROJECT SCHEDULE

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

| <u>Engineering Services</u> | <u>Completion Date from Notice to Proceed</u> (Calendar Days) |
|--|--|
| Survey Basemap | 90 days |
| Preliminary Alignment and Calculations | 135 days |
| Provide 60-percent Progress Submittals | 270 days |
| Provide 95-percent Progress Submittals | 330 days |
| Provide Health Department Permits | 335 days* |
| Final (100- percent) Procurement Documents | 365 days |
| Procurement Services | 455 days |
| Engineering Services During Construction | 820 days |
| Project Management | 455 days |

**This time frame is dependent on receiving timely comments (within two weeks) for the 60-percent and 95-percent progress submittals.*

Revised 09/21/2020

**ATTACHMENT E
BUDGET SUMMARY**

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services Utility Distribution and Collection System Engineering Services

Resolution # R2017-0818 Contract Dated June 20, 2017

Consultant Service Authorization: 30

Consultant: Mock, Roos & Associates, Inc.

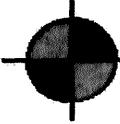
Project name: Lake Worth Road Force Main Improvements

WUD Project No.: 20-076

| | | Labor Classification and Hourly Rate | | | | | | | | |
|----------|---|--------------------------------------|------------------------|-------------------------|---------------------|-----------------------------|-----------------------|-----------------------|---------------|--------------|
| | | Mock•Roos | | | | | | | | |
| Task No. | Task Description | Principal | Senior Project Manager | Senior Project Engineer | Project Engineer II | Senior Field Representative | Senior Admin. Assist. | Mock•Roos Total Labor | Subconsultant | Total |
| 1 | PRELIMINARY ENGINEERING | 10 | 36 | 112 | 288 | 0 | 12 | \$58,817.75 | \$190,886.67 | \$249,704.42 |
| 1.1 | Meet with PBCWUD Staff to Review Scope | 2 | 4 | 2 | 4 | 0 | 2 | \$1,955.51 | \$0.00 | \$1,955.51 |
| 1.2 | Topographic Survey Services | 2 | 8 | 4 | 12 | 0 | 0 | \$3,653.15 | \$137,500.00 | \$141,153.15 |
| 1.3 | Submit Base Drawing to Utilities | 0 | 2 | 8 | 24 | 0 | 2 | \$4,422.33 | \$0.00 | \$4,422.33 |
| 1.4 | Underground Utility Location Services | 0 | 2 | 2 | 16 | 0 | 2 | \$2,548.84 | \$41,619.67 | \$44,168.51 |
| 1.5 | Geotechnical Borings and Pavement Core Services | 0 | 2 | 2 | 8 | 0 | 2 | \$1,667.76 | \$11,767.00 | \$13,434.76 |
| 1.6 | Submit Preliminary Base Sheets to PBCWUD | 0 | 2 | 8 | 120 | 0 | 0 | \$14,853.31 | \$0.00 | \$14,853.31 |
| 1.7 | Develop Preliminary Alignment/Phasing Plan | 2 | 4 | 60 | 60 | 0 | 0 | \$17,574.37 | \$0.00 | \$17,574.37 |
| 1.8 | Meet With PBCWUD Staff to Review Submittal | 2 | 4 | 2 | 4 | 0 | 2 | \$1,955.51 | \$0.00 | \$1,955.51 |
| 1.9 | Force Main Design Calculations | 2 | 8 | 24 | 40 | 0 | 2 | \$10,186.96 | \$0.00 | \$10,186.96 |
| 2 | DESIGN PHASE SERVICES | 18 | 52 | 546 | 1084 | 0 | 22 | \$223,148.34 | \$0.00 | \$223,148.34 |
| 2.1 | Develop Construction Drawings (60 sheets) | 2 | 8 | 450 | 900 | 0 | 0 | \$175,222.32 | \$0.00 | \$175,222.32 |
| 2.2 | Prepare Technical Specifications/Schedule of Values | 2 | 8 | 20 | 20 | 0 | 8 | \$7,748.66 | \$0.00 | \$7,748.66 |
| 2.3 | Submit Progress Drawings 60% and 95% Completion | 4 | 16 | 40 | 80 | 0 | 0 | \$18,766.72 | \$0.00 | \$18,766.72 |
| 2.4 | Meet with PBCWUD (60% and 95% submittal) | 4 | 8 | 4 | 8 | 0 | 2 | \$3,769.02 | \$0.00 | \$3,769.02 |
| 2.5 | Prepare EOPCC | 2 | 2 | 8 | 16 | 0 | 2 | \$3,955.67 | \$0.00 | \$3,955.67 |
| 2.6 | Prepare Health Department Permit Application | 0 | 2 | 8 | 20 | 0 | 4 | \$4,123.79 | \$0.00 | \$4,123.79 |
| 2.7 | Prepare Utility Roadway Applications (FDOT, PBCLD) | 2 | 4 | 8 | 20 | 0 | 4 | \$4,852.08 | \$0.00 | \$4,852.08 |
| 2.8 | 100% Design and Review | 2 | 4 | 8 | 20 | 0 | 2 | \$4,710.08 | \$0.00 | \$4,710.08 |
| 3 | Project Award | 2 | 6 | 18 | 12 | 0 | 2 | \$5,796.89 | \$0.00 | \$5,796.89 |
| 3.1 | Provide Drawings to PBCWUD | 0 | 2 | 4 | 8 | 0 | 2 | \$1,998.56 | \$0.00 | \$1,998.56 |
| 3.2 | Assist PBCWUD in Preparing Responses | 0 | 0 | 8 | 4 | 0 | 0 | \$1,763.75 | \$0.00 | \$1,763.75 |
| 3.3 | Assist PBCWUD in Reviewing | 0 | 2 | 4 | 0 | 0 | 0 | \$975.48 | \$0.00 | \$975.48 |
| 3.4 | Provide PBCWUD with Recommendation for Award | 2 | 2 | 2 | 0 | 0 | 0 | \$1,059.09 | \$0.00 | \$1,059.09 |
| 4 | Engineering Services During Construction | 0 | 0 | 0 | 0 | 0 | 0 | \$0.00 | \$0.00 | \$0.00 |
| 4.1 | Engineering Services During Construction | 0 | 0 | 0 | 0 | 0 | 0 | \$0.00 | \$0.00 | \$0.00 |
| 5 | Project Management | 38 | 76 | 0 | 0 | 0 | 12 | \$20,653.16 | \$0.00 | \$20,653.16 |
| 5.1 | Project Management Coordination with PBCWUD | 24 | 40 | 0 | 0 | 0 | 12 | \$12,102.49 | \$0.00 | \$12,102.49 |
| 5.2 | Monthly Status Report and Invoice | 6 | 24 | | | | | \$5,009.76 | \$0.00 | \$5,009.76 |
| 5.3 | Project Coordination Meetings | 8 | 12 | | | | | \$3,540.91 | \$0.00 | \$3,540.91 |
| | Labor Subtotal Hours | 68 | 170 | 676 | 1384 | 0 | 48 | \$308,416.14 | \$190,886.67 | \$499,302.81 |
| | Labor Raw Costs | \$72.96 | \$55.26 | \$58.24 | \$38.78 | \$39.00 | \$25.00 | | | |
| | Labor Multiplier | 2.84 | 2.84 | 2.84 | 2.84 | 2.84 | 2.84 | | | |
| | Labor Hourly Rate | \$207.21 | \$156.94 | \$165.40 | \$110.14 | \$110.76 | \$71.00 | | | |
| | Labor Totals | \$14,090.03 | \$26,679.52 | \$111,811.48 | \$152,427.11 | \$0.00 | \$3,408.00 | \$308,416.14 | \$190,886.67 | |
| | Subconsultant Multiplier | 1 | | | | | | | | |
| | Subconsultant Total with Markup | \$190,886.67 | | | | | | | | |
| | Project Totals | \$499,302.81 | | | | | | | | |

Subconsultants

1. Dennis J. Leavy & Associates, Inc.
2. WGI, Inc.
3. RADISE International, L.C.



DENNIS J. LEAVY & ASSOCIATES, INC

Land Surveyors • Mappers



Revised: October 15, 2020
October 07, 2020

via Email: thomas.biggs@mockroos.com

Mock-Roos & Associates, Inc.
Mr. Thomas Biggs, P.E.
5720 Corporate Way
West Palm Beach, FL 33407

RE: PROFESSIONAL LAND SURVEYING SERVICES – LAKE WORTH ROAD FORCEMAIN IMPROVEMENT PROJECT (APPROXIMATELY 25,000 LINEAR FEET), UNINCORPORATED, PALM BEACH COUNTY, FLORIDA. (DJLA #17-077-008)

Mr. Biggs:

In response to your request for professional land surveying services, we are pleased to offer the following tasks and their respective fees.

I. TOPOGRAPHIC SURVEY:

- A. Obtain horizontal and vertical control utilizing Florida state plane 83/90 adjustment Horizontal Datum and NAVD 88 Vertical Datum.
- B. Prepare a calculated base map based upon available right-of-way maps from local governing agencies and recorded plats of record.
- C. Prepare a Topographic Survey as defined in Rule 5J-17.050 of the Standards of Practice adopted by the Board of Professional Surveyors and Mappers. See project limits as indicated in red on the attached EXHIBIT 'A'. In particular, the survey will depict the following information:
 1. Topography at major ground elevation changes to depict existing ground profile at proposed project area. All Topographical Surveys shall have stationing established from south to north and west to east. This shall be accomplished by creating a baseline in the field to collect pertinent data which shall include the following:
 - a. Location of visible fixed improvements within the proposed project limits / right-of-way, including physical objects, roadway pavement, driveways, sidewalks, walls, curb, drainage swales, trees, signs, fences, power poles, buildings and trees of substantial size that would be pertinent to design lying adjacent to the existing right-of-way.

460 Business Park Way, Suite B, Royal Palm Beach, Florida 33411 • Phone 561-753-0650
SURVEY@DJLASURVEY.net

Revised: October 15, 2020

October 7, 2020

Lake Worth Road Forcemain Improvement Project Topographic Survey (DJLA #17-077-008)

Page 2

- b. Locations of above ground existing utilities: FP&L, BellSouth, Cable TV, Natural Gas, Potable Water (valves, fire hydrants, and meters), Force Mains (valves), Sanitary Sewer, Reclaimed Water Mains (valves), Storm Sewers, including invert elevations, pipe size, type and direction for storm and sanitary infrastructure.
 - c. Elevations shall be indicated at 100 foot stations, at a minimum, to indicate existing grades. Intermediate grades shall be indicated at all significant grade breaks.
 - d. Provide and reference benchmarks. Elevations to be referenced to an existing established City or County Benchmark.
2. Provide five (5) blackline sets of the drawings signed and sealed by a registered land surveyor at 1" = 20' scale and a computer disk with survey and drawing information compatible with AutoCAD Civil 3D Version 2020.

FEE FOR THE ABOVE SERVICES:\$ 137,500.00

NOTE: PROVIDING SUB-SURFACE UTILITY MARKINGS ARE NOT A PART OF THIS SCOPE OF SERVICES.

It is the contractors/owners responsibility to review the scope of services proposed within this Proposal to insure that the services required to successfully complete this project will be provided.

The following statement is required by the State of Florida Statutes:

[By executing this Proposal, I represent that I am a duly authorized representative of the Company named above and have full power and authority to approve this Proposal].

PURSUANT TO SECTION 558.0035 OF THE FLORIDA STATUTES, AS AMENDED, AN INDIVIDUAL EMPLOYEE OR AGENT OF DENNIS J. LEAVY & ASSOCIATES, INC. MAY NOT BE HELD INDIVIDUALLY LIABLE FOR NEGLIGENCE.

Revised: October 15, 2020

October 7, 2020

Lake Worth Road Forcemain Improvement Project Topographic Survey (DJLA #17-077-008)

Page 3

The above fees are subject to the following conditions:

1. This Proposal is **valid for ninety (90) calendar days** from the date which first appears on this Proposal. After ninety (90) business days, Dennis J. Leavy & Associates, Inc. reserves the right to review and modify the fee(s) and/or time schedule(s) stated in this Proposal
2. Any services not included in this Proposal will be considered Additional Services. Additional Services will be provided at the hourly rates in effect at the time the services are requested, plus reimbursable expenses or for an agreed upon lump sum fee.

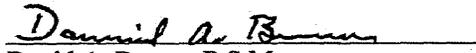
This Proposal, consisting of five (5) pages, represents the entire understanding between **Dennis J. Leavy & Associates, Incorporated** and **Mock-Roos & Associates, Inc.**, with respect to the project and may only be modified in writing, signed by all parties.

Thank you in giving us the opportunity to bid this project. We hope to hear from you shortly. If the terms and conditions contained herein are acceptable, please sign and return a copy of this Proposal to our office.

Should you have any questions regarding the above, please do not hesitate to contact me.

Sincerely,

DENNIS J. LEAVY & ASSOCIATES, INC.


David A. Bower, P.S.M.
Vice President



October 9, 2020

Mr. John Cairnes, PE
MOCK ROOS
5720 Corporate Way
West Palm Beach, FL 33407
john.cairnes@mockroos.com

**Re: Professional SUE Services - Lake Worth Road Forcemain Improvements (PA#B9004.10)
Lake Worth, FL**

Dear Mr. Cairnes,

WGI, Inc. (WGI) is pleased to provide this proposal to **Mock Roos Consulting Engineers (CLIENT)** for professional services on the above referenced Palm Beach County project. Our scope of services and corresponding fees are detailed below.

PROJECT UNDERSTANDING

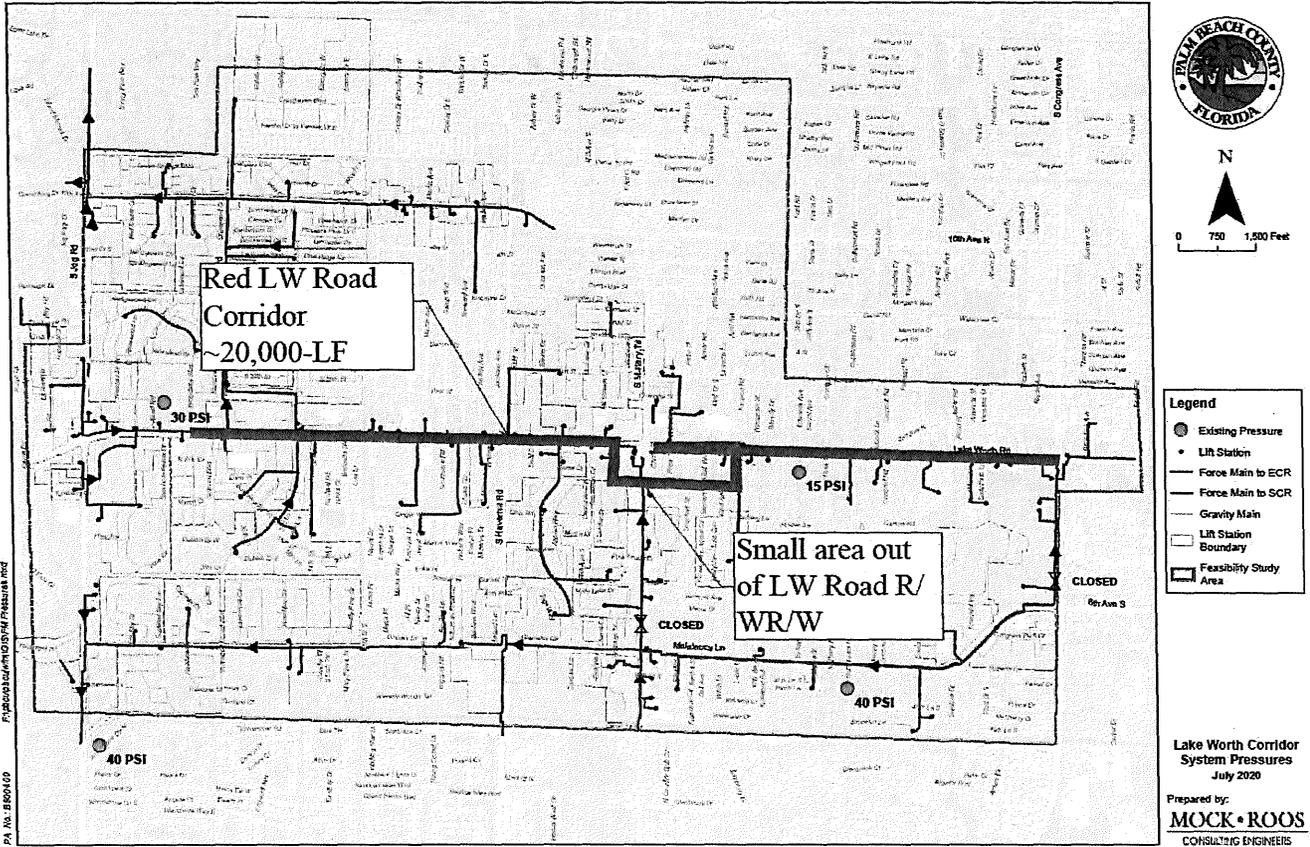
WGI shall provide Subsurface Utility Engineering (SUE) services as detailed below, based on the project limits shown in "Exhibit A" and located in Lake Worth, Florida, provided by client on 10/7/2020.

BASIS OF SCOPE

1. WGI proposes to vacuum excavate the existing utilities as specified by the EOR.
2. CLIENT shall facilitate access for WGI field staff.
3. Survey services and survey location of utilities is included.
4. Drafting and/or other CADD services are included and will be incorporated into existing CADD files provided by CLIENT.
5. WGI to provide an ASCE 38-02 Quality Level B utility investigation, in order to determine the utility conflict within a 5' radius of the requested test hole location along the project limits, as marked on plans to be provided by the Engineer of Record.
6. WGI will vacuum excavate utility facilities at the forcemain improvement locations along Lake Worth Road from South Congress Avenue west to Woodlake Blvd, as shown in Exhibit A – providing ASCE 38-02 Quality Level A, seventy (70) test holes are anticipated. WGI will provide a depth, size and material of the facility, and then backfill the test hole with native soil, compact with a pneumatic tamper to existing grade.
7. Generally, utility facilities found by vacuum excavation can be visually exposed to a depth equal to the water table; an air lance probe will be used for deeper facilities, however, visual confirmation will not be possible for facilities lying below the water table.
8. Geophysical designating techniques, although highly reliable, are subject to outside interference which are beyond the control of WGI, and may impede the effectiveness of subsurface utility investigations. Soil conditions, utility materials, size, depth, salt water and conductivity may prevent the location of some subsurface utilities. WGI utilizes state of the art equipment and methodology during all phases of utility investigations, but no guarantee is hereby expressed that all facilities will be detected.
9. Traffic control / work zone safety includes safety road signs and traffic cones per MUTCD Index.
10. FDOT General Use Permit included.



Exhibit A





October 9, 2020

Mock-Roos
5720 Corporate Way,
West Palm Beach, FL 33407

Attn.: Mr. John Cairnes, P.E.
Phone: (561) 472-6275
Email: John.Cairnes@mockroos.com

**RE: Geotechnical Engineering Services Proposal
PBCWUD LW Roadway Forcemain Improvements (PA#B9004.10)
Palm Beach County, Florida**

Dear Mr. Cairnes,

RADISE International, L.C. (RADISE) is pleased to submit this proposal for the above referenced project. This proposal discusses our understanding of the project, presents our proposed scope of work, and establishes our schedule and fee for performing the work.

PROJECT INFORMATION

We understand that the Palm Beach County Water Utilities Department (PBCWUD) has retained Mock-Roos for the Lake Worth Roadway Forcemain Improvements (PA#B9004.10). The project includes forcemain improvement on Lake Worth Road between Jog Road and Congress Avenue.

SCOPE OF SERVICES

The proposed scope of work for the project consists of the following:

1. Visit the site to field mark (paint and/or stake) the planned boring locations and observe existing site conditions.
2. Contact Sunshine 811 to request field location and clearance of underground utilities in the areas of the borings as per Florida Statutes.
3. Prepare a Temporary Traffic Control (TTC) Plan.
4. Mobilize a truck-mounted drilling rig to the site.
5. Provide TTC during the performance of the field exploration in accordance with applicable Indexes of the FDOT Standard Plans for Road Construction.



561.841.0103



4152 W. Blue Heron Blvd. Suite 1114,
Riviera Beach, FL 33404



www.RADISE.com

6. Perform five (5) asphalt cores; Standard Penetration Tests (SPT) boring will be advanced within the cored holes to depths of 10 feet below the existing ground surface.
7. Perform ten (10) additional asphalt cores
8. Following completion of the drilling operations, the boreholes will be backfilled with grout and asphalt surface patched.
9. Visually classify the collected soil samples in the field with laboratory confirmation/QC verification of classifications using the Unified Soil Classification System (USCS).
10. Assign and perform a series of laboratory test to ascertain soil index properties for the soils encountered in each boring.
11. Perform appropriate geotechnical engineering analyses and prepare a geotechnical engineering report providing the results of the SPT borings, asphalt cores and the soil laboratory testing. Additionally, the report will provide recommendations regarding proposed backfilling and compaction, dewatering, and other considerations for site construction including utility excavations.

SCHEDULE/DELIVERABLES

Upon receiving written authorization to proceed, we will commence with field marking of the boring locations and preparation of the utility locate request. Mobilization for the drilling operations will occur soon after Sunshine 811 clearance of boring locations is received from the contacted utilities. These two upfront activities are expected to require no more than 3 weeks to complete.

The specified field drilling work is expected to require 2 days to complete. Laboratory visual classification of the soils and report preparation will require about 3 weeks to complete following completion of field work. We expect to provide the final report signed and sealed by a registered professional engineer within 7 weeks of notice to proceed; however, accelerations of this schedule may be facilitated if needed.

COMPENSATION & TERMS

Based upon our understanding of the project and interpretation of your requirements, we propose to perform the scope of work outlined previously for a Lump Sum Fee as detailed in the Fee Breakdown on Attachment A.

Soil samples obtained from the drilling operations will be retained by RADISE for a period of 90 days from the date of drilling and then they will be discarded unless alternate terms are agreed to in writing with the client.



CLOSURE

RADISE appreciates the opportunity to provide our services for this project, and trust that the scope of work and fee presented in this proposal are clear and understandable. Should the proposal contents require any clarification or amplification, please feel free to contact us.

Sincerely,
RADISE International, L.C.



Andrew Nixon, P.E.
Operations Manager

Attachments: A – Fee Breakdown





ATTACHMENT A - FEE BREAKDOWN

**Geotechnical Engineering Services
PBCWUD LW Roadway Forcemain Improvements (PA#B9004.10)
Palm Beach County, Florida**

| | Qty | Unit | Unit Price | Unit Contract ID | Total |
|--|-----|------|------------|------------------------------------|---------------------|
| 1.0 FIELD EXPLORATIONS | | | | | |
| 1.1 Stake borings & Utility Clearance (Staff Engineer) | 8 | Hour | \$ 105.00 | VIII.4 | \$ 840.00 |
| 1.2 Temporary Traffic Control (TTC) Plan (Staff Engineer) | 4 | Hour | \$ 105.00 | VIII.4 | \$ 420.00 |
| 1.3 FDOT Permit (Staff Engineer) | 4 | Hour | \$ 105.00 | VIII.4 | \$ 420.00 |
| 1.4 Mobilization of Truck Mounted Drilling Equipment to Project (50-Mile Travel) | 1 | Each | \$ 360.00 | VI.8.1 | \$ 360.00 |
| 1.5 Attenuator Truck - 2 days | 20 | Hour | \$ 140.00 | N/A | \$ 2,800.00 |
| 1.6 <u>15 Pavement Cores & 5 SPT Borings to 10'</u> | | | | | |
| 1.6.1 Coring Machine plus Generator Rental | 1 | Trip | \$ 400.00 | IV.5 | \$ 400.00 |
| 1.6.2 Asphalt Cores (obtained core samples) | 15 | Each | \$ 60.00 | IV.1 | \$ 900.00 |
| 1.6.3 Standard Penetration Drilling - Truck w/Std Sampling (0'-50') | 50 | Foot | \$ 15.00 | VI.3 | \$ 750.00 |
| 1.6.4 Casing - 0' to 50' (VI 5) | 50 | Foot | \$ 6.70 | VI.5 | \$ 335.00 |
| 1.6.5 Grout Bore Holes - 0' to 50' | 50 | Foot | \$ 4.38 | VI.4 | \$ 219.00 |
| | | | | TOTAL FIELD WORK | \$ 7,444.00 |
| 2.0 LABORATORY SERVICES | | | | | |
| 2.1 Classification QC/Verification (Staff Engineer) | 2 | Hour | \$ 105.00 | VIII.4 | \$ 210.00 |
| 2.2 Natural Sample Moisture Content | 5 | Each | \$ 15.00 | I.10 | \$ 75.00 |
| 2.3 Grain Size Determination - Full Grain Size (8 sieves) | 2 | Each | \$ 85.00 | III.1.A | \$ 170.00 |
| 2.4 Grain Size Determination - Wash Through (#200) | 2 | Each | \$ 47.00 | III.1.B | \$ 94.00 |
| 2.5 Organic Content Test | 2 | Each | \$ 46.00 | I.7 | \$ 92.00 |
| | | | | TOTAL LABORATORY SERVICES | \$ 641.00 |
| 3.0 PROFESSIONAL ENGINEERING AND REPORTING SERVICES | | | | | |
| 3.1 Senior Geotechnical Engineer, PE | 4 | Hour | \$ 155.00 | VIII.2 | \$ 620.00 |
| 3.2 Engineer, PE | 16 | Hour | \$ 135.00 | VIII.3 | \$ 2,160.00 |
| 3.3 Staff Engineer | 6 | Hour | \$ 105.00 | VIII.4 | \$ 630.00 |
| 3.4 Drafter / CADD | 4 | Hour | \$ 68.00 | VIII.7 | \$ 272.00 |
| | | | | TOTAL PROFESSIONAL SERVICES | \$ 3,682.00 |
| | | | | TOTAL AMOUNT | \$ 11,767.00 |

ATTACHMENT F

Palm Beach County Water Utilities Department

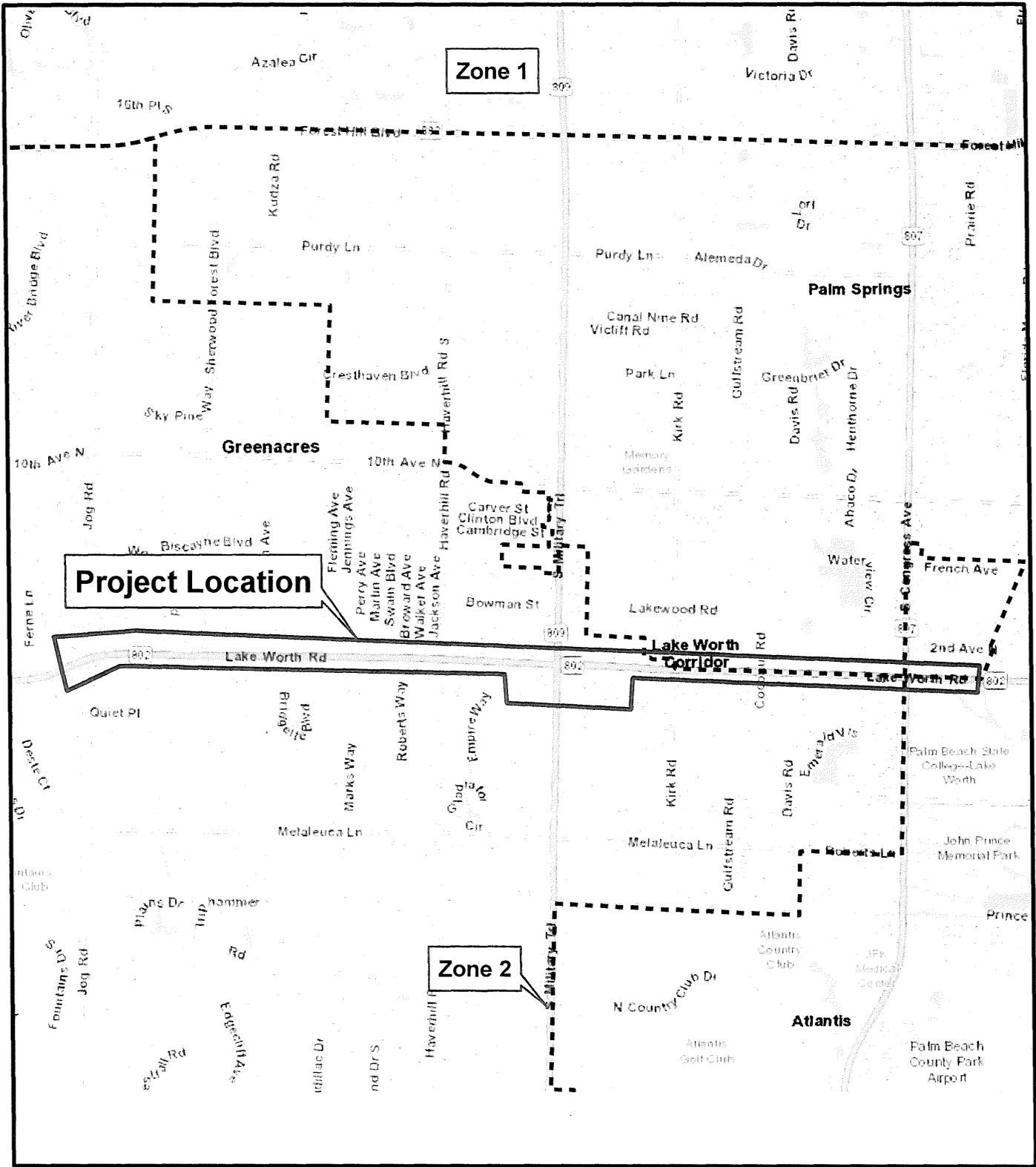
Lake Worth Road Force Main Improvements

Resolution No. R2017-0818 Contract Dated June 20, 2017

SUMMARY OF SBE-M/WBE BUSINESS TRACKING

| Mater Contract Goals | SBE: % | M/WBE: % | MBE (Category): % | MBE (Category): % |
|---|-----------------------|-------------|-------------------------|-------------------------|
| Current Proposal | | | | |
| Value of Authorization No. <u>30</u> | \$499,302.81 | \$ | \$ | \$ |
| Value of SBE-M/WBE Letters of Intent | \$457,683.14 | \$ | \$ | \$ |
| Actual Percentage | 91.66% | % | % | % |
| Signed/Approved Authorizations | | | | |
| Total Value of Authorizations | \$2,099,043.58 | \$ | \$ | \$ |
| Total Value of SBE-M/WBE Signed Subcontractors | \$1,691,168.42 | \$ | \$ | \$ |
| Actual Percentage | 80.56% | % | % | % |
| Signed/Approved Authorizations Plus Current Proposal | | | | |
| Total Value of Authorization | \$2,598,346.39 | \$ | \$ | \$ |
| Total Value of Subcontractors & Letters of Intent | \$2,148,851.56 | \$ | \$ | \$ |
| Actual Percentage | 82.70% | % | % | % |

Revised 09/21/2020



Project Location

Zone 1

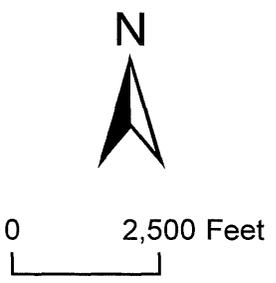
Zone 2

Lake Worth Corridor



**CSA No. 30
20-076
Lake Worth Road
Force Main Improvements
Project Location Map**

Attachment G



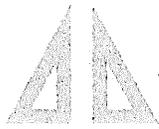
DESCRIPTIONS (Continued from Page 1)

Workers Compensation: Waiver of Our Right to Recover from Others.

WUD #17-005, Consulting/Professional Services for Utility Distribution & Collection System Engineering Services.

Ten days notice for non-payment of premium, 30 days notice all others.

Palm Beach County, Board of County Commissioners, a political subdivision of the State of Florida are hereby named as additional insured under the terms of this policy. In addition, Palm Beach County Water Utilities Department, its officers, directors, agents and employees are hereby named as additional insured under the terms of this policy for the Consulting/Professional Services for Utility Distribution & Collection System Engineering Services Project No. WUD # 17-005. Workers Compensation includes a waiver of subrogation in favor of the additional insured.



MOCK • ROOS

CONSULTING ENGINEERS

August 13, 2018

Krystin Berntsen, P.E.
Palm Beach County Water Utilities Department
8100 Forest Hill Boulevard
West Palm Beach, FL 33413

Ref. No. B6055.00 and B8033.00
Subject: Utility Location Services
Consulting/Professional Services for
Utility Distribution & Collection System Engineering Services
Contract Resolution No. (R2017-0818)
Project No. 17-005

Dear Krystin:

As you are probably aware from your staff, our original team for Water Distribution / Wastewater Collection Consulting Services included an SBE utility location firm, Ground Hound Services. Sometime after selection, but prior to contract execution, Ground Hound was acquired by Blood Hound, a larger non-SBE utility locations firm headquartered in the Indianapolis area. So far on projects for WUD, we have been utilizing Blood Hound for these services.

In discussions with Allen Gray, PBC Small Business Director, he has indicated that since Ground Hound (aka Blood Hound) is no longer an SBE and a replacement SBE firm is not available, we can utilize any utility location subconsultant we want to use on your projects. From discussions with your staff, they have indicated that they have had positive success with Craig A. Smith and Associates. We have also had success with WGI on previous utility location projects. We propose to use one of these two local firms to provide WUD with utility location services on future assignments. Please let me know should you have any objections.

If you have any questions or comments, please call me at 683-3113 extension 216.

Sincerely,

MOCK, ROOS & ASSOCIATES, INC.

Thomas A. Biggs, P.E.
Executive Vice President

TAB:jeh

Copies: Bookkeeping

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Mock, Roos & Associates, Inc.

5720 Corporate Way, West Palm Beach, Florida 33407-2066, 561-683-3113, www.MockRoos.com



February 22, 2018

Office of
Small Business Assistance
50 South Military Trail, Suite 202
West Palm Beach, FL 33415
(561) 616-6840
Fax: (561) 616-6850
www.pbcgov.com/osba

Thomas A. Biggs, P.E., Executive V.P.
Mock, Roos & Associates, Inc.
5720 Corporate Way
West Palm Beach, FL 33407

RE: Project No. 17-005, Utility Distribution and Collection System Engineering
Services Contract, Resolution No. (R2017-0818)



Dear Tom,

I have reviewed your letter of February 15, 2018 requesting the lowering of your SBE participation on the above-mentioned project due to the acquisition of Ground Hound, Inc., which was one of your SBE sub consultants listed on this project.

Your request is approved due to the lack of an available SBE firm to provide similar services and no other areas of opportunity to provide additional SBE participation. Your SBE commitment on this project will now reflect a change from 98% to 97% SBE participation.

Please let me know if you need me to provide any further clarification on this matter.

Sincerely,

Allen F. Gray, Manager

Cc: Jackie Michels, WUD
Henry Melendez, WUD
Gaverio Dixon, WUD
Patricia Wilhelm, OSBA

**Palm Beach County
Board of County
Commissioners**

Melissa McKinlay, Mayor
Mack Bernard, Vice Mayor

Hal R. Valeche
Paulette Burdick
Dave Kerner
Steven L. Abrams
Mary Lou Berger

County Administrator

Verdenia C. Baker

"An Equal Opportunity
Affirmative Action Employer"



MOCK • ROOS

CONSULTING ENGINEERS

May 1, 2020
Revised May 4, 2020

Krystin Berntsen, P.E.
Palm Beach County Water Utilities Department
8100 Forest Hill Boulevard
West Palm Beach, Fl 33413

Ref. No. B6055.00 and C0009.00
Subject: Consulting/Professional Services for
Utility Distribution & Collection System Engineering Services
Contract Resolution No. (R2017-0818)
Project No. 17-005 & 20-027

Dear Krystin:

We propose to add Radise International, L.C. as an additional subconsultant to provide WUD with Geotechnical Engineering Services on present and future assignments. We will not be replacing Tierra South. Radise International, L.C. is a Palm Beach County Small Minority Business Enterprise (S/MBE). Please let me know should you have any objections.

If you have any questions or comments, please call me at 683-3113 extension 216.

Sincerely,

MOCK, ROOS & ASSOCIATES, INC.



Thomas A. Biggs, P.E.
Executive Vice President

TAB:jeh
Copies: Bookkeeping

Attachment 2

Zone 1

Project Location

Zone 2

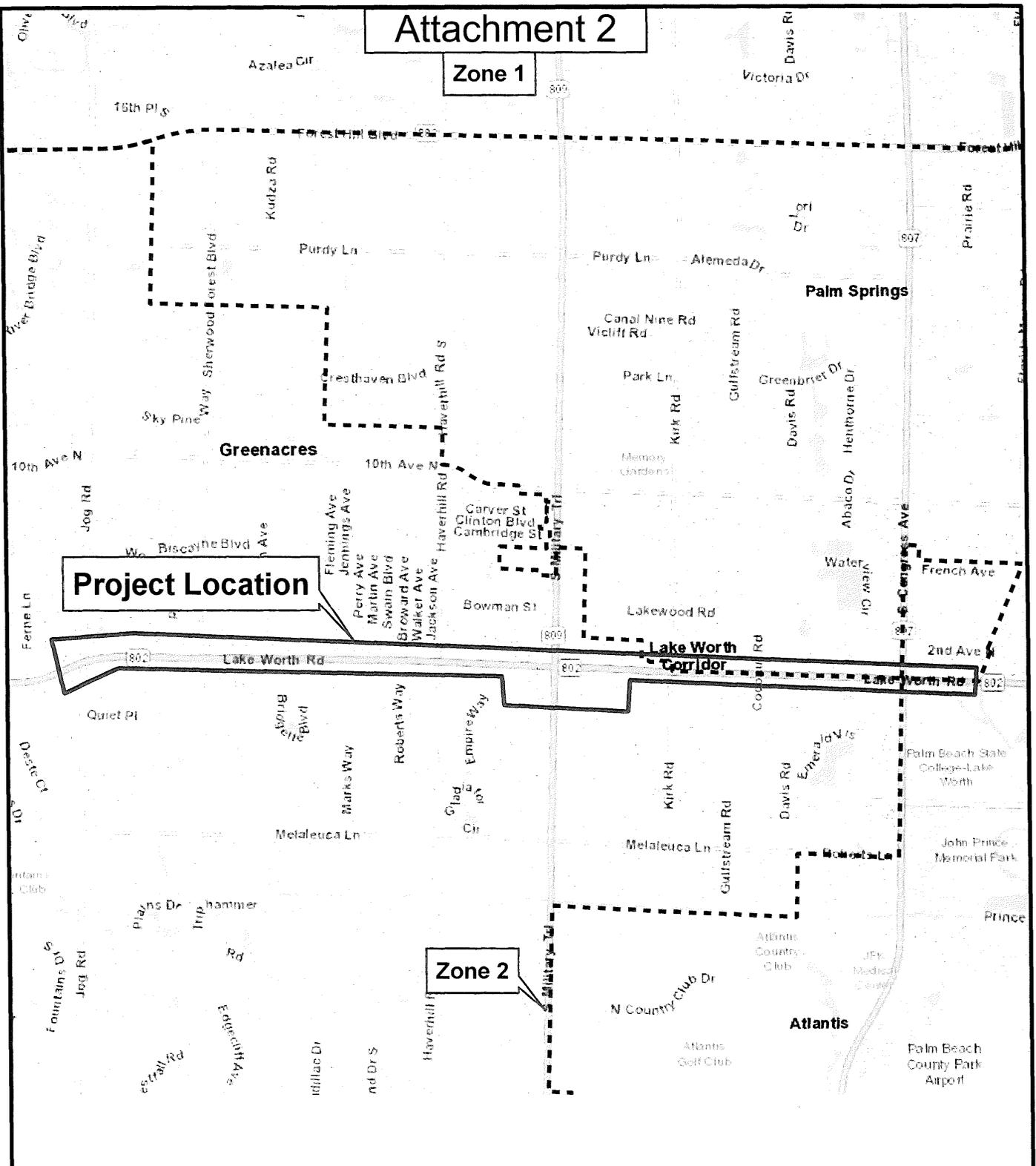
Lake Worth Corridor



CSA No. 30
20-076
Lake Worth Road
Force Main Improvements
Project Location Map



0 2,500 Feet



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 any rights to the certificate holder in lieu of such endorsement(s).

| | | |
|--|---|------------------------------------|
| PRODUCER USI Insurance Services, LLC 360 Columbia Drive, Suite 105 West Palm Beach, FL 33409 561 693-0500 | CONTACT NAME: Kandi Schmitz | |
| | PHONE (A/C, No, Ext): 561-693-0504 | FAX (A/C, No): 855-420-6662 |
| E-MAIL ADDRESS: kandi.schmitz@usi.com | | |
| INSURER(S) AFFORDING COVERAGE | | NAIC # |
| INSURER A : Transportation Insurance Company | | 20494 |
| INSURER B : Continental Insurance Company | | 35289 |
| INSURER C : Valley Forge Insurance Company | | 20508 |
| INSURER D : | | |
| INSURER E : | | |
| INSURER F : | | |
| INSURED Mock, Roos & Associates, Inc. 5720 Corporate Way West Palm Beach, FL 33407 | | |

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE | ADDL INSR | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS |
|----------|---|-----------|----------|---------------|-------------------------|-------------------------|---|
| A | <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER: | X | X | 5084971043 | 01/01/2020 | 01/01/2021 | EACH OCCURRENCE \$1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$100,000 MED EXP (Any one person) \$15,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COMP/OP AGG \$2,000,000 |
| B | AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY | X | X | 5084970412 | 01/01/2020 | 01/01/2021 | COMBINED SINGLE LIMIT (Ea accident) \$1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ |
| B | <input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$10000 | X | X | 5084970362 | 01/01/2020 | 01/01/2021 | EACH OCCURRENCE \$4,000,000 AGGREGATE \$4,000,000 |
| C | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below | | X | 5084970328 | 01/01/2020 | 01/01/2021 | <input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$500,000 E.L. DISEASE - EA EMPLOYEE \$500,000 E.L. DISEASE - POLICY LIMIT \$500,000 |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

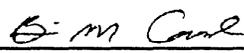
Ten days Notice for Non Payment of Premium; 30 days Notice All Other.

When required by contract:

General Liability: Blanket Additional Insured with Products-Completed Operations, Waiver of Transfer of Rights of Recovery against others.

Automobile Liability: Designated Insured, Waiver of Transfer of Rights of Recovery Against Others.

(See Attached Descriptions)

| | |
|---|---|
| CERTIFICATE HOLDER Palm Beach County Water Utilities Department Director Utilities Engineering 8100 Forest Hill Blvd West Palm Beach, FL 33413 | CANCELLATION 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  |
|---|---|

DESCRIPTIONS (Continued from Page 1)

Workers Compensation: Waiver of Our Right to Recover from Others.

WUD#17-005, Consulting/Professional Services for Utility Distribution & Collection System Engineering Services.

Ten days Notice for Non Payment of Premium; 30 days notice for all other.

When required by contract:

General Liability: Blanket Additional Insured with Products-Completed Operations, Waiver of Transfer of Rights of Recovery against others. Automobile Liability: Designated Insured, Waiver of Transfer of Rights of Recovery against others. Workers Compensation: Waiver of Our Right to Recover from Others. For All Projects with Palm Beach County. Palm Beach County Board of County Commissioners, a Political Subdivision of the State of Florida, its Officers, Employees and Agents as Additional Insured.

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 any rights to the certificate holder in lieu of such endorsement(s).

| | |
|---|--|
| PRODUCER USI Insurance Services, LLC 2502 N Rocky Point Drive Suite 400 Tampa, FL 33607 | CONTACT NAME: |
| | PHONE (A/C, No, Ext): 813 321-7500 FAX (A/C, No): |
| | E-MAIL ADDRESS: |
| | INSURER(S) AFFORDING COVERAGE NAIC # |
| | INSURER A : XL Specialty Insurance Company 37885 |
| INSURED Mock, Roos & Associates, Inc. 5720 Corporate Way West Palm Beach, FL 33407-2066 | INSURER B : |
| | INSURER C : |
| | INSURER D : |
| | INSURER E : |
| | INSURER F : |

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE | ADDL INSR | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS |
|----------|---|-----------|----------|---------------|-------------------------|-------------------------|--|
| | COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER: | | | | | | EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$ |
| | AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS ONLY | | | | | | COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ |
| | UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$ | | | | | | EACH OCCURRENCE \$ AGGREGATE \$ |
| | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input type="checkbox"/> Y/N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below | | | | | | PER STATUTE OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$ |
| A | Professional Liability | | | DPR9959099 | 04/26/2020 | 04/26/2021 | \$3,000,000 per claim \$3,000,000 annl aggr. |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Professional Liability coverage is written on a claims-made basis.

RE: System Engineering Services Project No. WUD #17-005, Consulting/Professional Services for Utility Distribution & Collection System Engineering Services.

CERTIFICATE HOLDER

CANCELLATION

| | |
|--|--|
| 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  |