

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

| Fiscal Years | 2023 | 2024 | 2025 | 2026 | 2027 |
|--|-------------------------|-----------------|-----------------|-----------------|-----------------|
| Capital Expenditures | <u>\$175,242</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>\$175,242</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: GE

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:

J. M. Banta 1/9/2023
OFMB JA 1/9

J. J. [Signature] 1/10/23
Contract Development and Control
Tom 1/10/23

B. Legal Sufficiency:

 1/11/23
Assistant County Attorney

C. Other Department Review:

Department Director

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

CONSULTANT SERVICES AUTHORIZATION NO. 3
Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services
Pressure Pipeline Engineering Services
Resolution No. R2021-0505 Contract Dated April 20, 2021

Project Title: Lake Worth Road Force Main Improvements

PBCWUD 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.: 3

This Consultant Services Authorization provides for: Engineering Services during Construction
for the proposed improvements to the Lake Worth Road Force Main project being constructed in
conjunction with Florida Department of Transportation Roadway Improvements between Congress
Avenue and Raulerson Drive.

(See ATTACHMENT A for detailed scope of services)

The Contract provides for 34.00% SBE participation which includes 34.00% MBE participation, 34.00% MBE (B). This Consultant Services Authorization includes 27.39% overall participation which includes 27.39% MBE, 27.39% MBE (B). The cumulative SBE participation, including this authorization is 32.28%, which includes 32.28% MBE, 32.28% MBE (B).

1. Services completed by the Consultant to date:

See ATTACHMENT B.

2. Consultant shall begin work upon receipt of Notice to Proceed correspondence.

3. The compensation to be paid to the Consultant for providing the requested services shall be:

A. Computation of time charges plus expenses, not to exceed \$175,242.00

B. Fixed price of \$ 0.00

C. Total \$175,242.00

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.

CONSULTANT SERVICES AUTHORIZATION NO. 3
Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services
Pressure Pipeline Engineering Services
Resolution No. R2021-0505 Contract Dated April 20, 2021

Project Title: Lake Worth Road Force Main Improvements

PBCWUD 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 April 20, 2021 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.

CONSULTANT SERVICES AUTHORIZATION NO. 3
Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services
Pressure Pipeline Engineering Services
Resolution No. R2021-0505 Contract Dated April 20, 2021

Project Title: Lake Worth Road Force Main Improvements

PBCWUD 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

Joseph Abruzzo, Clerk of the Circuit Court
& Comptroller, Palm Beach County

Palm Beach County, Board
of County Commissioners

MR
11-30-22

ATTEST:

Signed: _____

Signed: _____
Gregg K. Weiss, Mayor

A13

Typed Name: _____
Deputy Clerk

(Date)

Approved as to Form and Legal
Sufficiency

Mock, Roos & Associates, Inc.
(Consultant)

Signed: _____

Thomas A. Biggs, P.E.
(Print Name)

Typed Name: Michael W. Jones
County Attorney

(Signature)

Executive Vice President
(Title)

11/28/2022
(Date)

STATE OF FLORIDA

COUNTY OF Palm Beach County

The foregoing instrument was acknowledged before me by means of physical presence or online notarization, this 28 day of November, 2022, by Thomas A. Biggs, P.E. who is personally known to me or has produced _____ as identification.



CRISTEN ETTORRE
Notary Public
State of Florida
Comm# HH221331
Expires 1/26/2026

Cristen Ettore
(Signature of Notary Public - State of Florida)

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

CONSULTANT SERVICES AUTHORIZATION NO. 3
Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services
Pressure Pipeline Engineering Services
Resolution No. R2021-0505 Contract Dated April 20, 2021

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

PBCWUD Project No.: 20-076

Project Title: Lake Worth Road Force Main Improvements

Task 1 – Engineering Services During Construction

Mock, Roos & Associates, Inc. (CONSULTANT) shall perform Engineering Services during Construction at Palm Beach County Water Utilities Department (PBCWUD) request to assist PBCWUD with monitoring the construction phase of the Lake Worth Road Force Main Construction (Project). CONSULTANT will assist PBCWUD as a representative and PBCWUD will be the primary point of contact for the construction of the Project. Coordinating with both PBCWUD and the Florida Department of Transportation (FDOT) during construction of the Force Main Improvements is anticipated.

CONSULTANT's Scope of Services shall include the performance of the following specific tasks. Other tasks associated with the construction contract administration, shall be conducted by others and can be added to the CONSULTANT's Scope of Services by supplement if mutually agreed. FDOT shall issue all communication through PBCWUD to the CONSULTANT and the CONSULTANT shall give all communication to FDOT through PBCWUD.

- 1.1 **Contract Document Distribution** – Signed and sealed Construction Documents and Computer Aided Design and Drafting (CADD) files will be distributed.
- 1.2 **Pre-Construction Meeting** – The CONSULTANT shall attend a Pre-Construction meeting in Palm Beach County with PBCWUD, FDOT, and other appropriate stakeholders as required by FDOT and PBCWUD. CONSULTANT shall review and comment on the Pre-Construction meeting agenda and minutes prepared by others.
- 1.3 **Coordination and Meetings** – The CONSULTANT shall coordinate with PBCWUD and attend up to 24 progress meetings at PBCWUD's request during the construction period. It is assumed that meetings will be held virtually or at FDOT's Palm Beach County office. CONSULTANT will review and comment on meeting minutes prepared by others. FDOT may hold weekly meetings. It is anticipated CONSULTANT will attend about 50%.
- 1.4 **Permitting Assistance** – CONSULTANT shall coordinate with PBCWUD and Palm Beach County Health Department and FDOT to assist the PBCWUD with tasks related to permits and close-out of permits. Two (2) permits, one (1) for water distribution and one (1) for wastewater transmission are included. CONTRACTOR will be responsible for assembling and providing the record drawings, test reports and other documents needed for permit closeout.

- 1.5 **Periodic Site Visits** – FDOT will be providing daily construction observation services. CONSULTANT shall provide periodic construction site visits to periodically observe construction once or twice per week and prepare field observation reports on the observed construction activities. The representative shall coordinate with FDOT representatives for time and schedule. Eight (8) hours per week average is included when work associated with the pipeline project is ongoing.
- 1.6 **Requests for Information (RFI)** – CONSULTANT shall respond in writing to FDOT's RFI's submitted by the FDOT 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 FDOT. For this budget, it is assumed only 20 RFI's will be included in this project; However, this Consultant Services Authorization is hourly and RFI's response time varies.
- 1.7 **Progress Payment Applications** – Review up to 12 progress payment applications for conformance with project contract documents.
- 1.8 **Substantial Completion/Punch-lists** – The CONSULTANT shall attend one (1) "substantial completion walk-through" with FDOT and PBCWUD and develop a punchlist. CONSULTANT, together with the FDOT and PBCWUD, determines when substantial completion occurs, defined as the ability of PBCWUD to achieve beneficial use of the Project. CONSULTANT shall prepare and distribute the Certificate of Substantial Completion to PBCWUD for execution by PBCWUD and FDOT along with associated punch-lists of remaining work.
- 1.9 **Final Completion Walk-Through/Follow-up** – The CONSULTANT will attend one (1) "final completion walk-through" at the end of the project with FDOT and PBCWUD for facilities completed to determine final completion and resolution of all punch-list items. Following final completion of the project, the CONSULTANT shall provide PBCWUD with a project completion statement.
- 1.10 **Project Management/Change Orders/Records Drawings** – The CONSULTANT shall perform project management services including progress reporting activities, coordinating with FDOT and PBCWUD throughout the construction project. This will include change order reviews and record drawing reviews.

Assumptions:

1. FDOT or PBCWUD to perform public outreach for the project and coordination with adjacent property OWNER'S as necessary.
2. PBCWUD to pay all permit fees.
3. Field Observation services are to be performed by FDOT.

Deliverables:

1. Preconstruction minutes comments.
2. Progress meeting minutes comments.
3. Permit closeout documents including one (1) Request for Release for Service for the water distribution portion and one (1) request for the wastewater transmission portion.
4. Field observation daily reports for when periodic observations are made.
5. Twenty (20) RFI responses.
6. Substantial and final completion packages.
7. Change Order review comments.
8. Record Drawing review comments.
9. Pay applications review comments and sign-offs

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 | 21-026 | FPL WATER MAIN REDUNDANCY INSTALLATION | Approved | \$428,274.84 | \$146,844.34 | 34.28% | BCC | 04/20/21 |
| 2 | 22-035 | CONSTRUCTION PHASE SERVICES FOR MISCELLANEOUS DISTRIBUTION AND COLLECTION SYSTEMS PROJECTS | Pending | \$46,910.00 | \$0.00 | 0.00% | WUD | Pending |
| 3 | 20-076 | LAKE WORTH FORCE MAIN IMPROVEMENTS | Pending | \$175,242.00 | \$48,000.00 | 27.39% | BCC | Pending |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

ATTACHMENT C

OEBO SCHEDULE 1

Office of Equal Business Opportunity Compliance Programs

OEBO SCHEDULE 1

SOLICITATION/PROJECT/BID NAME: Lake Worth Force Main Improvements

SOLICITATION/PROJECT/BID NO.: 22-076

SOLICITATION OPENING/SUBMITTAL DATE: N/A

COUNTY DEPARTMENT: Palm Beach County Water Utilities Department

Section A PLEASE LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY THE PRIME CONTRACTOR/CONSULTANT* ON THE PROJECT:

NAME OF PRIME RESPONDENT/BIDDER: Mock, Roos & Associates, Inc. ADDRESS: 5720 Corporate Way, West Palm Beach, FL 33407

CONTACT PERSON: Thomas A. Biggs, P.E. PHONE NO.: (561) 683-3113 E-MAIL: thomas.biggs@mockroos.com

PRIME'S DOLLAR AMOUNT OR PERCENTAGE OF WORK: \$127,242.00

*SMWBE Prime's must include their percentage or dollar amount in the Total Participation line under section B.

Non-SBE
 MBE
 WBE
 SBE

Section B PLEASE LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY ALL SUBCONTRACTORS/SUBCONSULTANTS ON THE PROJECT BELOW:

| Subcontractor/Sub consultant Name | (Check all Applicable Categories) | | | | DOLLAR AMOUNT OR PERCENTAGE OF WORK | | | | | |
|-----------------------------------|-----------------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|----------|-------|-----------|-------|-------|
| | Non-SBE | MBE | WBE | SBE | Black | Hispanic | Women | Caucasian | Asian | Other |
| | | Minority Business | Women Business | Small Business | | | | | | |
| 1. C Solutions, Inc. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | \$48,000.00 | | | | | |
| 2. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | | | |
| 3. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | | | |
| 4. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | | | |
| 5. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | | | |

(Please use additional sheets if necessary)

Total \$48,000.00

Total Bid/Offer Price \$ 175,242.00

Total Certified S/M/WBE Participation \$ 48,000.00

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

- Note:**
- The amount listed on this form for a Subcontractor/sub consultant must be supported by price or percentage listed on the properly executed Schedule 2 or attached signed proposal.
 - Only those firms certified by Palm Beach County at the time of solicitation opening or due date are eligible to meet the established OEBO Affirmative Procurement Initiative (API). Please check the applicable box and list the dollar amount or percentage under the appropriate demographic 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 12/06/2021

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 ROAD FORCE MAW IMPROVEMENTS

Prime Contractor: MOCK, ROOS & ASSOCIATES, INC. Subcontractor: C Solutions, Inc.

(Check box(s) that apply)

SBE WBE MBE M/WBE Non-S/M/WBE Date of Palm Beach County Certification (if applicable): 2/10/2020 to 2/9/2023

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 checked="" type="checkbox"/> African-American/Black <input type="checkbox"/> Hispanic American | <input type="checkbox"/> Asian American <input type="checkbox"/> Caucasian American <input type="checkbox"/> Supplier |
| | <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 | MECHANICAL ENGINEERING | 1 | 15 | | \$48,000.00 |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

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: \$48,000.00

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.

N/A Price or Percentage: _____
 Name of 2nd/3rd tier

Mock, Roos & Associates, Inc.
 Print Name of Prime
 By: [Signature]
 Authorized Signature
Thomas A. Biggs, P.E.
 Print Name
Executive Vice President
 Title
 Date: 11/15/2022

C Solutions, Inc.
 Print Name of Subcontractor/subconsultant
 By: [Signature]
 Authorized Signature
Mark Drummond, PE, BCEE
 Print Name
President
 Title
 Date: November 9, 2022

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) |
|---|--|
| <i>*Task 1 Engineering Services During Construction</i> | 631 |

**Task 1 duration shall begin when FDOT issues the Notice to Proceed to the FDOT's selected contractor.*

**ATTACHMENT E
BUDGET SUMMARY**

Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services Pressure Pipeline Engineering Services
Resolution No. R2021-0505 Contract Dated April 20, 2021
Consultant Services Authorization: 3
Consultant: MOCK, ROOS & ASSOCIATES, INC.
Project Title: Lake Worth Road Force Main Improvements
PBCWUD Project No.: 20-076

BUDGET SUMMARY

| Task Number | Task Description | PRIME (Mock, Roos & Associates, Inc.) | SUBCONSULTANTS | | TOTAL |
|-------------|---|---------------------------------------|-----------------------------------|----------------------|-------|
| | | | SUBCONSULTANT (C Solutions, Inc.) | | |
| | OEBO APPROVED AWARDED CATEGORY | Non-SBE | SBE + M/WBE (Black) | | |
| | | | | | |
| | | | | | |
| | | | | | |
| TASK 1 | ENGINEERING SERVICES DURING CONSTRUCTION | | | | |
| 1.1 | <i>Contract Document Distribution</i> | \$ 1,016.00 | \$ - | \$ 1,016.00 | |
| 1.2 | <i>Preconstruction Meeting</i> | \$ 1,404.00 | \$ - | \$ 1,404.00 | |
| 1.3 | <i>Coordination and Meetings</i> | \$ 19,776.00 | \$ - | \$ 19,776.00 | |
| 1.4 | <i>Permitting Assistance</i> | \$ 3,180.00 | \$ - | \$ 3,180.00 | |
| 1.5 | <i>Periodic Site Visits</i> | \$ 11,320.00 | \$ 48,000.00 | \$ 59,320.00 | |
| 1.6 | <i>Request for Information</i> | \$ 19,700.00 | \$ - | \$ 19,700.00 | |
| 1.7 | <i>Progress Payment Application</i> | \$ 7,140.00 | \$ - | \$ 7,140.00 | |
| 1.8 | <i>Substantial Completion/Punchlists</i> | \$ 3,180.00 | \$ - | \$ 3,180.00 | |
| 1.9 | <i>Final Completion Walkthrough/Follow-up</i> | \$ 1,776.00 | \$ 0.00 | \$ 1,776.00 | |
| 1.10 | <i>Project Management/Change Orders/Record Drawings</i> | \$ 58,750.00 | \$ - | \$ 58,750.00 | |
| | Task 1 - Subtotal | \$ 127,242.00 | \$ 48,000.00 | \$ 175,242.00 | |
| | | | | | |
| | TOTAL PROJECT | \$ 127,242.00 | \$ 48,000.00 | \$ 175,242.00 | |
| | Percentage | 72.609% | 27.391% | | |
| | | | | | |
| | | PRIME | \$ 127,242.00 | | |
| | | SBE | \$ 48,000.00 | C Solutions, Inc. | |
| | | M/WBE | \$ 48,000.00 | C Solutions, Inc. | |
| | | M/WBE (Black) | \$ 48,000.00 | C Solutions, Inc. | |

Revised 12/06/2021

**ATTACHMENT E
BUDGET SUMMARY**

Palm Beach County Water Utilities Department
 Contract for Consulting/Professional Services Pressure Pipeline Engineering Services
 Resolution No. R2021-0505 Contract Dated April 20, 2021
 Consultant Services Authorization: No. 3
 Consultant: MOCK, ROOS & ASSOCIATES, INC.
 Project Title: Lake Worth Road Force Main Improvements
 PBCWUD Project No.: 20-076

| BUDGET SUMMARY FOR FIRM | | | | | | | | | | PRIME TOTALS | | | |
|-------------------------|---|-------------|------------------------|-------------------------|---------------------|--------------------|----------------------|--------------------------|---------------------------|--------------|---------------|----------------|--------------------------|
| Task Number | Task Description | Principal | Senior Project Manager | Senior Project Engineer | Project Engineer II | Project Engineer I | Senior CADD Designer | Sr. Field Representative | Sr. Project Administrator | Total Hours | Total Labor | Total Expenses | Total Labor and Expenses |
| | Raw Rate RANGE frm MASTER EXHIBIT C | \$75 - \$85 | \$59 - \$80 | \$45 - \$65 | \$31 - \$45 | \$28 - \$31 | \$50 - \$60 | \$47 - \$55 | \$30 - \$35 | | | | |
| | Raw Rate > | \$76.67 | \$63.33 | \$53.67 | \$34.67 | \$29.33 | \$53.33 | \$47.33 | \$31.00 | | | | |
| | Multiplier > | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | | | |
| | Bill Rate > | \$230 | \$190 | \$161 | \$104 | \$88 | \$160 | \$142 | \$93 | | | | |
| TASK 1 | ENGINEERING SERVICES DURING CONSTRUCTION | 0 | 408 | 192 | 36 | 0 | 0 | 0 | 162 | 798 | \$ 127,242.00 | \$ - | \$ 127,242.00 |
| 1.1 | Contract Document Distribution | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 4 | 8 | \$ 1,016.00 | \$ - | \$ 1,016.00 |
| 1.2 | Preconstruction Meeting | 0 | 4 | 4 | 0 | 0 | 0 | 0 | 0 | 8 | \$ 1,404.00 | \$ - | \$ 1,404.00 |
| 1.3 | Coordination and Meetings | 0 | 72 | 24 | 0 | 0 | 0 | 0 | 24 | 120 | \$ 19,776.00 | \$ - | \$ 19,776.00 |
| 1.4 | Permitting Assistance | 0 | 8 | 8 | 0 | 0 | 0 | 0 | 4 | 20 | \$ 3,180.00 | \$ - | \$ 3,180.00 |
| 1.5 | Periodic Site Visits | 0 | 40 | 0 | 0 | 0 | 0 | 0 | 40 | 80 | \$ 11,320.00 | \$ - | \$ 11,320.00 |
| 1.6 | Request for Information | 0 | 60 | 40 | 0 | 0 | 0 | 0 | 20 | 120 | \$ 19,700.00 | \$ - | \$ 19,700.00 |
| 1.7 | Progress Payment Applications | 0 | 12 | 0 | 36 | 0 | 0 | 0 | 12 | 60 | \$ 7,140.00 | \$ - | \$ 7,140.00 |
| 1.8 | Substantial Completion/Punchlists | 0 | 8 | 8 | 0 | 0 | 0 | 0 | 4 | 20 | \$ 3,180.00 | \$ - | \$ 3,180.00 |
| 1.9 | Final Completion Walkthrough/Follow-up | 0 | 4 | 4 | 0 | 0 | 0 | 0 | 4 | 12 | \$ 1,776.00 | \$ - | \$ 1,776.00 |
| 1.10 | Project Management/Change Orders/Record Drawings | 0 | 200 | 100 | 0 | 0 | 0 | 0 | 50 | 350 | \$ 58,750.00 | \$ - | \$ 58,750.00 |
| | Labor Subtotal Hours | 0 | 408 | 192 | 36 | 0 | 0 | 0 | 162 | 798 | | | |
| | Labor Raw Costs | \$ - | \$ 25,840.00 | \$ 10,304.00 | \$ 1,248.00 | \$ - | \$ - | \$ - | \$ 5,022.00 | | \$ 42,414.00 | | |
| | Labor Subtotal (Bill Rate * Labor Subtotal Hours) | \$ - | \$ 77,520.00 | \$ 30,912.00 | \$ 3,744.00 | \$ - | \$ - | \$ - | \$ 15,066.00 | | \$ 127,242.00 | | |
| | PROJECT TOTAL | | | | | | | | | 798 | \$ 127,242.00 | \$ - | \$ 127,242.00 |

**ATTACHMENT E
BUDGET SUMMARY**

Palm Beach County Water Utilities Department
 Contract for Consulting/Professional Services Pressure Pipeline Engineering Services
 Resolution No. R2021-0505 Contract Dated April 20, 2021
 Consultant Services Authorization: No. 3
 Consultant: C Solutions, Inc., Subconsultant to Mock, Roos & Associates, Inc.
 Project Title: Lake Worth Road Force Main Improvements
 PBCWUD Project No.: 20-076

| BUDGET SUMMARY FOR FIRM | | | | | | | | | | | | | |
|-------------------------|--|------------------|------------------------|---------------------|-------------|-----------------|-------------|--------------------------|--------------------|--------------|---------------------|----------------|--------------------------|
| Task Number | Task Description | Project Director | Senior Project Manager | Project Engineer | Engineer | Senior Designer | Designer | Administrative Assistant | Engineering Intern | PRIME TOTALS | | | |
| | | | | | | | | | | Total Hours | Total Labor | Total Expenses | Total Labor and Expenses |
| | Raw Rate RANGE frm MASTER EXHIBIT C | \$85 - \$98 | \$45 - \$85 | \$30 - \$40 | \$23 - \$32 | \$35 - \$55 | \$20 - \$35 | \$25 - \$35 | \$14 - \$20 | | | | |
| | Raw Rate > | \$90.00 | \$80.00 | \$40.00 | \$30.00 | \$50.00 | \$35.00 | \$35.00 | \$20.00 | | | | |
| | Multiplier > | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | | | |
| | Bill Rate > | \$270 | \$240 | \$120 | \$90 | \$150 | \$105 | \$105 | \$60 | | | | |
| TASK 1 | ENGINEERING SERVICES DURING CONSTRUCTION | 0 | 0 | 400 | 0 | 0 | 0 | 0 | 0 | 400 | \$ 48,000.00 | \$ - | \$ 48,000.00 |
| 1.1 | Contract Document Distribution | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ - | \$ - | \$ - |
| 1.2 | Preconstruction Meeting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ - | \$ - | \$ - |
| 1.3 | Coordination and Meetings | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ - | \$ - | \$ - |
| 1.4 | Permitting Assistance | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ - | \$ - | \$ - |
| 1.5 | Periodic Site Visits | 0 | 0 | 400 | 0 | 0 | 0 | 0 | 0 | 400 | \$ 48,000.00 | \$ - | \$ 48,000.00 |
| 1.6 | Request for Information | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ - | \$ - | \$ - |
| 1.7 | Progress Payment Applications | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ - | \$ - | \$ - |
| 1.8 | Substantial Completion/Punchlists | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ - | \$ - | \$ - |
| 1.9 | Final Completion Walkthrough/Follow-up | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ - | \$ - | \$ - |
| 1.10 | Project Management/Change Orders/Records Drawings | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ - | \$ - | \$ - |
| | Labor Subtotal Hours | 0 | 0 | 400 | 0 | 0 | 0 | 0 | 0 | 400 | | | |
| | Labor Raw Costs | \$ - | \$ - | \$ 16,000.00 | \$ - | \$ - | \$ - | \$ - | \$ - | | \$ 16,000.00 | | |
| | Labor Subtotal (Bill Rate * Labor Subtotal Hours) | \$ - | \$ - | \$ 48,000.00 | \$ - | \$ - | \$ - | \$ - | \$ - | | \$ 48,000.00 | | |
| | PROJECT TOTAL | | | | | | | | | 400 | \$ 48,000.00 | \$ - | \$ 48,000.00 |

Exhibit A
Mock Roos
Scope of Services – CSA NO. 3
Palm Beach County Water Utilities Department
Pressure Pipeline Engineering Services
Lake Worth Road Force Main Improvements (WUD 20-076)

I. BACKGROUND

Mock, Roos & Associates, Inc. (CONSULTANT) will perform Engineering Services during Construction at Palm Beach County Water Utilities Department (PBCWUD) with monitoring the construction phase of the Lake Worth Road Force Main Construction (Project). CONSULTANT will assist PBCWUD as a representative and PBCWUD will be the primary point of contact for the construction of the Project. Coordination with both PBCWUD and the Florida Department of Transportation (FDOT) during construction of the Force Main Improvements is anticipated.

C Solutions, Inc. (SUBCONSULTANT) will provide engineering services to support the CONSULTANT with portions of this task as described above. SUBCONSULTANT provide the services as defined below.

II. SCOPE OF SERVICES

The SUBCONSULTANT will provide limited engineering services during construction. The Tasks are numbered to match those identified in the CONSULTANT's Scope of Services.

Task 1 – Engineering Services During Construction

SUBCONSULTANT will assist PBCWUD and CONSULTANT with observing the construction progress of the Lake Worth Road Force Main Construction.

SUBCONSULTANT's Scope of Services shall include the performance of the following specific tasks. Other tasks associated with the construction contract administration shall be by others SUBCONSULTANT's scope of services.

Sub-Task 1.5 - Periodic Site Visits

FDOT will be providing daily construction observation services. SUBCONSULTANT shall provide periodic construction site visits to periodically observe construction once per week and prepare field observation reports on the observed construction activities. The representative shall coordinate with the CONSULTANT for time and schedule. The CONSULTANT shall be responsible for coordinating any critical site visits with the FDOT and coordinating any required field visits outside of that generally scheduled with the SUBCONSULTANT. The SUBCONSULTANT's limited construction services is estimated to be for a period of 52 weeks. Per the request of PBCWUD, the SUBCONSULTANT's field representative was asked to attend the preconstruction meeting which they performed under this task.

III. ASSUMPTIONS



- FDOT or PBCWUD to perform public outreach for the project and coordination with adjacent property OWNER'S as necessary.
- Daily Field Observation services are to be performed by FDOT.
- The CONSULTANT shall coordinate with PBCWUD or FDOT and be the primary point of contact for coordination of the SUBCONSULTANT's services.

IV. Deliverables

- Field observation daily reports for when periodic observations are made.

V. Time of Completion

The Notice to Proceed (NTP) will be provided by the CONSULTANT and defines the official commencement of the SUBCONSULTANT's contract for this task authorization. The services defined herein will be completed within 52 weeks from NTP.

VI. Proposed Compensation

The SUBCONSULTANT shall perform the services defined in this scope of work for the not to exceed fee as shown below. The budget summary is provided in Exhibit A-1 (attached).

| Task Description | Amount |
|---|---------------------|
| Task 1 - Engineering Services During Construction | |
| Subtask 1.5 - Periodic Site Visits | \$ 48,000 |
| SUBTOTAL | \$ 48,800 |
| ODC's | \$ - |
| TOTAL | \$ 48,000.00 |

**EXHIBIT A-1
BUDGET SUMMARY**

Palm Beach County Water Utilities Department
 Contract for Consulting/Professional Services Pressure Pipeline Engineering Services
 Resolution No. R2021-0505 Contract Dated April 20, 2021
 Consultant Services Authorization: No. 3
 Consultant: C Solutions, Inc., Subconsultant to Mock, Roos & Associates, Inc.
 Project Title: Lake Worth Road Force Main Improvements
 PBCWUD Project No.: 20-076

| BUDGET SUMMARY FOR FIRM | | | | | | | | | | SUBCONSULTANT TOTALS | | | |
|-------------------------|--|------------------|------------------------|------------------|-------------|-----------------|-------------|--------------------------|--------------------|----------------------|---------------------|----------------|--------------------------|
| Task Number | Task Description | Project Director | Senior Project Manager | Project Engineer | Engineer | Senior Designer | Designer | Administrative Assistant | Engineering Intern | Total Hours | Total Labor | Total Expenses | Total Labor and Expenses |
| | Raw Rate RANGE frm MASTER EXHIBIT C | \$85 - \$98 | \$45 - \$85 | \$30 - \$40 | \$23 - \$32 | \$35 - \$55 | \$20 - \$35 | \$25 - \$35 | \$14 - \$20 | | | | |
| | Raw Rate > | \$90.00 | \$80.00 | \$40.00 | \$30.00 | \$50.00 | \$35.00 | \$35.00 | \$20.00 | | | | |
| | Multiplier > | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | | | |
| | Bill Rate > | \$270 | \$240 | \$120 | \$90 | \$150 | \$105 | \$105 | \$60 | | | | |
| TASK 1 | ENGINEERING SERVICES DURING CONSTRUCTION | 0 | 0 | 400 | 0 | 0 | 0 | 0 | 0 | 400 | \$ 48,000.00 | \$ - | \$ 48,000.00 |
| 1.1 | Contract Document Distribution | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ - | \$ - | \$ - |
| 1.2 | Preconstruction Meeting | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ - | \$ - | \$ - |
| 1.3 | Coordination and Meetings | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ - | \$ - | \$ - |
| 1.4 | Permitting Assistance | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ - | \$ - | \$ - |
| 1.5 | Periodic Site Visits | 0 | 0 | 400 | 0 | 0 | 0 | 0 | 0 | 400 | \$ 48,000.00 | \$ - | \$ 48,000.00 |
| 1.6 | Request for Information | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ - | \$ - | \$ - |
| 1.7 | Progress Payment Applications | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ - | \$ - | \$ - |
| 1.8 | Substantial Completion/Punchlists | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ - | \$ - | \$ - |
| 1.9 | Final Completion Walkthrough/Follow-up | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ - | \$ - | \$ - |
| 1.10 | Project Management/Change Orders/Records Drawings | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$ - | \$ - | \$ - |
| | Labor Subtotal Hours | 0 | 0 | 400 | 0 | 0 | 0 | 0 | 0 | 400 | | | |
| | Labor Raw Costs | \$ - | \$ - | \$ 16,000.00 | \$ - | \$ - | \$ - | \$ - | \$ - | | \$ 16,000.00 | | |
| | Labor Subtotal (Bill Rate * Labor Subtotal Hours) | \$ - | \$ - | \$ 48,000.00 | \$ - | \$ - | \$ - | \$ - | \$ - | | \$ 48,000.00 | | |
| | PROJECT TOTAL | | | | | | | | | 400 | \$ 48,000.00 | \$ - | \$ 48,000.00 |

ATTACHMENT F

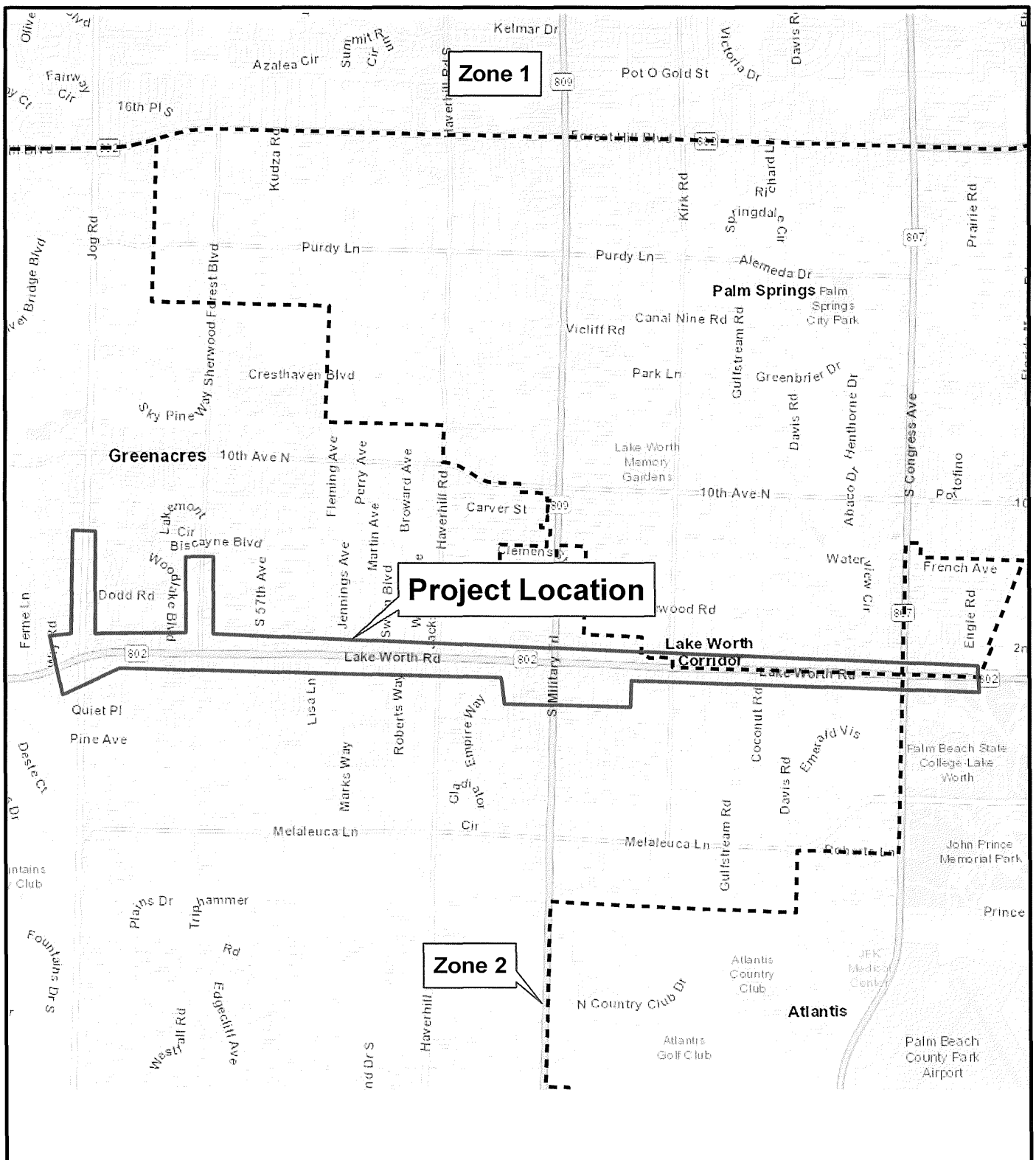
Palm Beach County Water Utilities Department

Pressure Pipeline Engineering Services

Resolution No. 2021-0505 Contract Dated April 20, 2021

**SUMMARY OF
SBE-M/WBE BUSINESS TRACKING**

| Master Contract Goals | SBE: 34% | M/WBE: 34% | MBE (Black): 34% |
|--|---------------------|-----------------------|---------------------------------|
| Current Proposal | | | |
| Value of Authorization No. 3 | \$ 175,242.00 | | |
| Value of SBE-M/WBE Letters of Intent | \$48,000.00 | \$ 48,000.00 | \$ 48,000.00 |
| Actual Percentage | 27.39% | 27.39% | 27.39% |
| Signed/Approved Authorizations | | | |
| Total Value of Authorizations | \$428,274.84 | \$428,274.84 | \$428,274.84 |
| Total Value of SBE-M/WBE Signed Subcontractors | \$146,844.34 | \$146,844.34 | \$146,844.34 |
| Actual Percentage | 34.28% | 34.28% | 34.28% |
| Signed/Approved Authorizations Plus Current Proposal | | | |
| Total Value of Authorization | \$ 603,516.84 | | |
| Total Value of Subcontractors & Letters of Intent | \$194,844.34 | \$ 194,844.34 | \$ 194,844.34 |
| Actual Percentage | 32.28% | 32.28% | 32.28% |



Zone 1

Project Location

Zone 2



Attachment G

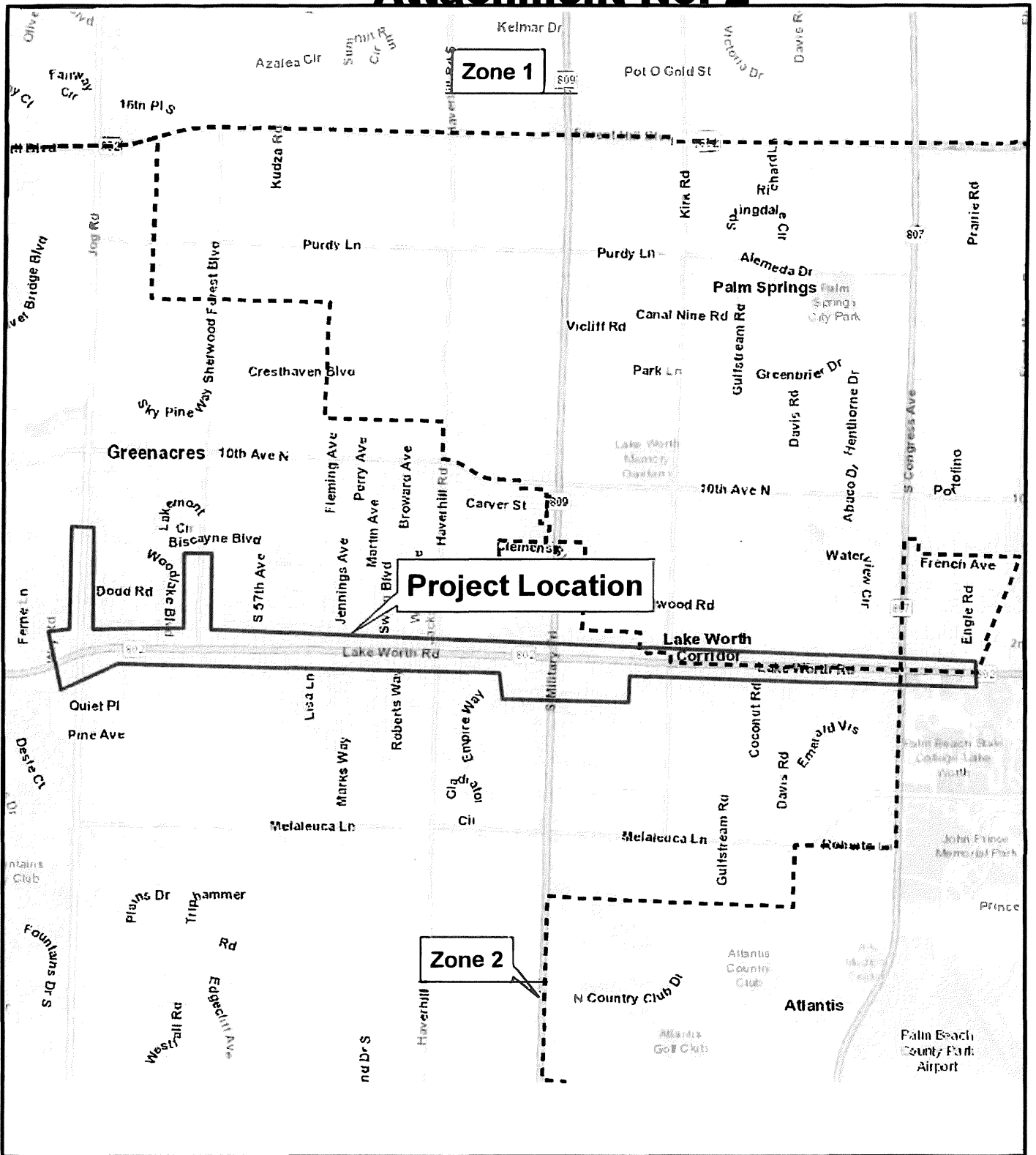
Location Map

PBCWUD Project No. 20-076



0 2,500 Feet

Attachment No. 2



Attachment No. 2 Location Map

PBCWUD Project No. 20-076



0 2,500 Feet

Attachment No. 3



Palm Beach County Compliance Summary Report

| Vendor Number | Vendor Name | AM Best Rating | Insurance Carrier | Policy # | Eff. Date | Exp. Date | Coverage | Contract Number | Contract Name |
|---------------|-------------------------------|----------------|--|------------|-----------|-----------|------------------------|-----------------|--|
| DX00001988 | Mock, Roos & Associates, Inc. | Modified | Compliant | | | | | 20-044 | Pressure Pipeline Engineering Services |
| | | Ag , XV | American Casualty Company of Reading, Pennsylvania | 5084971043 | 1/1/2023 | 1/1/2024 | Auto Liability | | |
| | | Ag , XV | The Continental Insurance Company | 5084970362 | 1/1/2023 | 1/1/2024 | Excess Liability | | |
| | | Ag , XV | American Casualty Company of Reading, Pennsylvania | 5084971043 | 1/1/2023 | 1/1/2024 | General Liability | | |
| | | A+g , XV | XL Specialty Insurance Company | DPR9992423 | 4/26/2022 | 4/26/2023 | Professional Liability | | |
| | | Ag , XV | Valley Forge Insurance Company | 5084970328 | 1/1/2023 | 1/1/2024 | Workers Comp | | |

Risk Profile : Standard - Professional Services
Required Additional Insured : Palm Beach County Board of County Commissioners
Ownership Entity :