

PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS

AGENDA ITEM SUMMARY

Meeting Date: March 10, 2026

Consent [X] Regular []
Public Hearing []

Department: Water Utilities Department

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: Consultant Services Authorization (CSA) No. 5 to the Consulting/Professional Services Pressure Pipeline Engineering Services Contract (Contract) with Keshavarz & Associates, Inc. (Consultant) for the Belle Glade Water Main Improvements; NE Zone 5 West Water System Replacement Project (Project) for a not to exceed amount of \$715,570.76.

Summary: On April 20, 2021, the Board of County Commissioners (BCC) approved the Palm Beach County Water Utilities Department (PBCWUD) Contract with Consultant (R2021-0504). CSA No. 5 provides for professional engineering services relating to survey, design and permitting of the Project. These services include, Subsurface Utility Exploration, geotechnical exploration, community outreach meeting support, easement request assistance, title search request and review, survey, preparation of construction plans and details, permitting, sketch and legal preparation, and bid assistance services for the replacement and relocation of approximately 14,100 linear feet (LF) of existing water mains; 4,700 LF of new water mains; 6,735 LF of removal, deactivation, and/or grouting of old and previously abandoned water mains; and replacement of existing front-lot water services currently serving a total of 126 PBCWUD customers within the north east area of the City of Belle Glade, designated as Zone 5.

This Contract was presented to the Goal Setting Committee (Committee) on July 1, 2020, and the Committee established an Affirmative Procurement Initiative (API) of a minimum mandatory 20% Small Business Enterprise (SBE) subcontracting participation. Consultant committed to 95% SBE participation. The proposed SBE participation for this CSA No. 5 is 100%. To date, the overall participation achieved on this Contract is 99.40%. Consultant is a Palm Beach County based company. The Project is included in the PBCWUD FY 2026 Budget. (PBCWUD Project No. 26-008) District 6 (MWJ)

Background and Justification: NE Zone 5 is located west of the Belle Glade water distribution system and experiences issues with leaks, unknown location of facilities, substandard pipe materials, undersized water mains and valve isolation. The Project will replace aging water distribution infrastructure within the project area including pipes, valves, fire hydrants, and water meters.

Attachments:

1. Two (2) Originals of Consultant Services Authorization No. 5
2. Location Map
3. Ebix Compliance Summary Report

Recommended By: Kristin B... for 2-11-2026
 Department Director Date

Approved By: [Signature] 2/17/26
 Chief Deputy County Administrator Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2026	2027	2028	2029	2030
Capital Expenditures	\$715,571	<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>\$715,571</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 W038 Object 6543

Is Item Included in Current Budget? Yes X No

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

Is this item using State 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: Supra/Plant - Contribution 2/12/26

III. REVIEW COMMENTS

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

<p><u>ASD/DC 2/12/26</u> OFMB <u>JA 2/11</u> <u>EW 2-12-26</u></p>	<p><u>Travis Z...</u> Contract Development and Control <u>2/12/26</u></p>
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B. Legal Sufficiency:

[Signature] 2/13/26
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. 5
Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services
PRESSURE PIPELINE ENGINEERING SERVICES
Resolution No. R2021-0504 Contract Dated April 20, 2021

Project Title: Belle Glade Water Main Improvements; NE Zone 5 West Water System

PBCWUD Project No.: 26-008

Consultant: Keshavarz & Associates, Inc.

Address: 711 North Dixie Highway, Suite 201, West Palm Beach, FL 33401

Budget Line Item No.: 4011-721-W038- 6543

District No.: 6

This Consultant Services Authorization provides for: engineering services, including but not limited to: Subsurface Utility Exploration (SUE), geotechnical exploration, community outreach meeting support, easement request assistance, title search request and review, survey, preparation of construction plans and details, permitting, sketch and legal preparation, and bid assistance services towards the addition of new water mains, replacement of existing water mains and water services within the limits of the geographical area referred to as "Northeast Zone 5 West" in the City of Belle Glade, Florida

(See ATTACHMENT A for detailed scope of services)

The Contract provides for 95% SBE participation. This Consultant Services Authorization includes 100% overall SBE participation. The cumulative SBE participation, including this Consultant Services Authorization is 99.40%.

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 \$ 715,570.76

B. Fixed price of \$ _____

C. Total \$ 715,570.76

4. This Authorization may be terminated, in whole or in part, by the County with or without cause in accordance with the Contract terms. In the event of termination not the fault of the Consultant, the Consultant shall be compensated for all services performed to termination date, together with reimbursable expenses (if applicable) then due in accordance with the Contract terms. Consultant agrees to waive any and all claims for lost profits or anticipated future profits in the event of a termination with or without cause under this Contract.

CONSULTANT SERVICES AUTHORIZATION NO. 5
Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services
PRESSURE PIPELINE ENGINEERING SERVICES
Resolution No. R2021-0504 Contract Dated April 20, 2021

Project Title: Belle Glade Water Main Improvements; NE Zone 5 West Water System Replacement Project

PBCWUD Project No.: 26-008

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.
8. The Contract and this Consultant Services Authorization is subject to the County Emergency Ordinance 2025-014, approved by the Board of County Commissioners on June 3, 2025.

CONSULTANT SERVICES AUTHORIZATION NO. 5
Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services
PRESSURE PIPELINE ENGINEERING SERVICES
Resolution No. R2021-0504 Contract Dated April 20, 2021

Project Title: Belle Glade Water Main Improvements; NE Zone 5 West Water System Replacement Project

PBCWUD Project No.: 26-008

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

Michael A. Caruso, Clerk of the Circuit Court
& Comptroller, Palm Beach County

Palm Beach County, Board
of County Commissioners

ATTEST:

Signed: _____

Signed: _____
KB for AB Sara Baxter, Mayor *gl*

Typed Name: _____
Deputy Clerk

(Date)

Approved as to Form and Legal
Sufficiency

Keshavarz & Associates, Inc.
(Consultant)

Signed: _____
[Signature]

Amir J. Keshavarz, P.E.
(Print Name)

Typed Name: Michael W. Jones
County Attorney

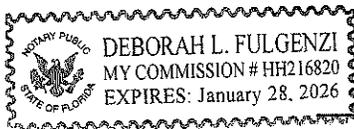
(Signature)

Managing Director
(Title)

1/6/2026
(Date)

STATE OF FLORIDA
COUNTY OF PALM BEACH

The foregoing instrument was acknowledged before me by means of physical presence or online notarization, this 6th day of January, 2026, by Amir J. Keshavarz, P.E. who is personally known to me or has produced _____ as identification.



(Signature of Notary Public - State of Florida)

Deborah L. Fulgenzi
(Print, Type, or Stamp Commissioned Name of Notary Public)

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 Business Tracking
ATTACHMENT G	Location Map

ATTACHMENT A

SCOPE OF SERVICES

PBCWUD Project No.: 26-008

Project Title: Belle Glade Water Main Improvements; NE Zone 5 West Water System Replacement Project

Keshavarz & Associates, Inc. (CONSULTANT) shall perform:

BACKGROUND:

Over the past decade, Palm Beach County Water Utilities Department (PBCWUD) has engaged in various system-wide potable water infrastructure improvement projects, segmented into geographical areas or "Zones" in the City of Belle Glade (City) and surrounding areas, to replace portions of the aged system and address persistent Operations and Maintenance (O&M) challenges.

Due to the characteristic unusual existing conditions and limited availability of reliable system records within the City, exploratory studies have been conducted in the past towards increased efficiency during zone-wide infrastructure replacement projects. In 2020-2021 one such study was performed for "Northeast Zone 5". A portion of this 2021 study area has been identified as the first phase of the planned improvements and is referred to as Northeast (NE) Zone 5 West. The 2021 study recommended improvements throughout NE Zone 5, which have been recently reviewed with PBCWUD Engineering and O&M to add, reduce, and/or otherwise update the recommended infrastructure improvements based on the latest available information since 2021, as well as various other PBCWUD, Florida Department of Transportation (FDOT), the City's and other PBCWUD consultants' completed and in-progress infrastructure projects in the area. This infrastructure improvement/replacement project is focused on enhancing overall system reliability, replacing aged water mains and services, addressing persistent O&M challenges, as well as improving system interconnectivity and fire protection throughout NE Zone 5 West.

SCOPE OF SERVICES:

Under this Consultant Services Authorization (CSA), CONSULTANT shall perform the Engineering related services as described herein to include surveying, subsurface utility exploration, geotechnical exploration, public engagement assistance, easement assistance services, project management, design, permitting, and bid assistance necessary to prepare detailed drawings for construction of necessary infrastructure improvements within NE Zone 5 West, in accordance with PBCWUD's Minimum Engineering and Construction Standards, as well as all applicable permitting agency regulations.

The subject geographic area in Belle Glade, FL referred to as NE Zone 5 West is approximately 69.2 acres in size and is described as: East of N Main St, North of East Canal Street N (the Hillsborough Canal); NE 1st St; and south of NE Ave L (Gator Blvd). It also includes the stretch of E Canal St N from N Main St to 1057 E Canal St N. The NE Zone 5 West water main improvement project area includes improvements throughout the above described geographic area.

The services provided under this CSA are related to over 25,500 Linear Feet (LF) of Water infrastructure improvements as summarized by the following:

- An approximate combined total of 25,535 LF of new water main installation and existing water main removal/replacement scope comprising of:
 - 14,100 LF of removal/replacement of existing water mains
 - 4,700 LF of new water mains
 - 6735 LF of removal, deactivation, and/or grouting of old and previously abandoned water mains

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- Replacement of existing front-lot water services currently serving a total of 126 PBCWUD customers
- Replacement of affected existing fire hydrants and addition of twelve (12) new fire hydrants
- Replacement of affected existing valves and addition of new valves as required by PBCWUD

The following services will be provided by the CONSULTANT:

Task 1. Preliminary Design Services

1.1. Project Management, Research, Data Exchange and Project Orientation:

The CONSULTANT shall actively manage their personnel together with their sub-consultants towards the proper and successful execution of PBCWUD's objectives in the context of the project scope. CONSULTANT "Project Management" responsibilities range from internal to external methods and approaches affecting the general advancement of the project.

The CONSULTANT shall research, review and study record information, Geographic Information System (GIS) database information, and other pertinent information of the existing facilities within the road Right-of-way (R/W).

This task includes general correspondence, coordination and data exchange with PBCWUD as needed throughout this project.

This task also includes efforts required to compile reports, tables, receipts, and back up records in general compliance with applicable accounting and Small Business Enterprise (SBE) requirements.

1.2. Kick-off, Progress, and Design Review Meetings

The CONSULTANT shall schedule and conduct the following meetings with PBCWUD:

- Project Kick-off meeting
- Regular progress meetings (if requested by PBCWUD, progress meetings may be monthly)
- Design review workshops upon the completion of: Task 1.6: Preliminary Design Submittal, Task 2.5: 60% Design Stage, and Task 2.6: 90% Design Stage.

The CONSULTANT shall chair these meetings, provide any requested printed materials for discussion or use during the meeting, generate agendas and provide meeting summaries for each.

1.3. Preliminary Meetings and Coordination with Regulatory Agencies:

CONSULTANT shall coordinate with and if necessary, set up and attend meetings with the City, FDOT, South Florida Water Management District (SFWMD), United States Army Corps of Engineers (USACE), Palm Beach County Engineering & Public Works - Land Development Division, Palm Beach County Fire Rescue, and Florida Department of Health in Palm Beach County (Health Department) to preliminarily discuss and determine the necessary permitting conditions, constraints and considerations related to this project.

The CONSULTANT shall also specifically coordinate with the above-mentioned entities related to any anticipated improvement projects that may coincide or conflict with this project's improvements. The CONSULTANT shall discuss and explore any cost sharing possibilities between PBCWUD and other entities' anticipated or desired improvement projects by means of inter-department collaboration as a result of this project.

In addition, during the Preliminary Design Stage of the project, the CONSULTANT shall coordinate directly with SFWMD and USACE to discuss design feasibility within their right-of-way and solicit feedback.

Changes to the regulatory process and construction standards of the governing agencies during the design and permitting phases of this project may cause delays in the anticipated permit application review and approval phases of the project.

This task is not inclusive of the CONSULTANT's general assistance to PBCWUD towards continual coordination with the City's in-house consultant regarding the status, limits and anticipated

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scheduling of the City's FDOT-funded resurfacing projects and/or other upcoming improvement projects that may coincide or conflict with this project (See Task 5).

1.4. Field Visits and Coordination with O&M Staff:

The CONSULTANT shall perform up to three (3) field visits related to this project's design efforts. The CONSULTANT shall perform one (1) field visit to review the project's existing conditions and to identify possible conflicts or constraints visible and/or identifiable through a field visit. The CONSULTANT shall photograph and document these existing conditions for their reference during design and coordination. These photographs shall be provided to PBCWUD as a part of the Final Deliverable.

The CONSULTANT shall also contact PBCWUD O&M staff to solicit any insight on any consistent challenges facing O&M staff related to the project area's existing infrastructure. The CONSULTANT shall perform up to two (2) field visits with PBCWUD O&M staff, if necessary, related to this solicitation for input or to review any additional concerns that arise during this project's duration. This task also includes any other necessary direct coordination efforts with O&M or other PBCWUD staff soliciting input from the field, field crews, Inflow & Infiltration (I&I) teams, etc.

1.5. Utility Coordination:

The CONSULTANT shall identify all pertinent dry utility providers (electric, gas, phone, buried telephone, traffic signal systems, etc.) within the project area by means of contacting "811 No-cuts". The CONSULTANT shall then prepare exhibits and distribute requests for existing facility locations/data and proposed improvements to these dry utility providers. The CONSULTANT shall coordinate and track the responses from the utility providers, incorporating the results onto the construction plans in an attempt to minimize unidentified potential conflicts with the proposed potable water system replacement piping during construction. This effort is intended to be preliminary in nature and will require additional verification via various methods as is typical of utility retrofit design practices.

1.6. SFWMD & USACE Preliminary Design Submittal:

Due to a prior study having been performed, a preliminary design submittal for the entirety of the project area is not necessary. However, the CONSULTANT shall prepare Preliminary Design drawings only for the East Canal Street N corridor, where USACE, SFWMD, and the City share authority over the R/W. The Preliminary Design will be based on prioritized topographic survey data and GIS data depicting the existing water system facilities, the proposed water main sizes and general alignments/locations relative to R/W lines known at the time, fire hydrant locations, water main deactivation locations, and approximate limits of existing water main abandonment in-place and abandonment via grouting full in-place. These GIS-based exhibits will be submitted to PBCWUD as preliminary design drawings and shall be in place of the standard 30% design submittal.

The preliminary design drawings will be submitted to SFWMD and USACE to determine aspects of this corridor's overall design constraints, as well as specific, unique design considerations prior to the actual design process being fully underway. During recent discussions about the upcoming project, USACE representatives suggested this preliminary design submittal, which would provide USACE and SFWMD an opportunity to review the corridor-specific existing conditions reflected on the preliminary design drawings, as well as preliminary open-cut utility installation and trenching details. During the preliminary design stage, USACE and SFWMD would provide the CONSULTANT with canal and levee design plans and overlays indicating the existing Toe and Top of Bank relevant to required minimum distances to the proposed water mains.

These preliminary design drawings are not anticipated to reflect all acquired topographic survey data, or to reflect the calculated limits of the R/W, property lines, or existing encumbrances. At the time of preliminary design submittal, the CONSULTANT will reflect the in-progress results of Route Surveying (See Task 2.3) and/or Topographic Surveying (See Task 2.4) services in plan view with some profile views within limited areas to aid in preliminary design discussions with USACE and SFWMD.

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Deliverables Task 1:

- Meeting Summaries will be provided digitally.
- Meeting follow up emails copying PBCWUD confirming discussion topics.
- Photos and/or videos of the site visits will be provided digitally.
- Copies of any coordination exhibits will be provided digitally.
- Utility location exhibits provided by utility providers and as a result of records research will be provided digitally.
- Preliminary Design Drawings as submitted to SFWMD and USACE, as well as any correspondence with SFWMD and USACE following preliminary review, including any provided details, levee overlays, etc. will be provided digitally.

Task 2. Infrastructure Replacement Surveying and Design Services:

The CONSULTANT shall perform the required field surveying services to prepare and furnish Route and Topographic Surveys that depict the appropriate land features, horizontal and vertical control points in plan view necessary to prepare the subject design. The horizontal survey data will be in state plane coordinate system of North American Datum of 1983, 2007 adjustment (SPCS NAD/83-2007). The vertical datum shall be in the North American Vertical Datum of 1988 (NAVD88) to include a conversion factor to convert the vertical datum to the National Geodetic Vertical Datum of 1929 (NGVD29), unless PBCWUD stipulates otherwise, and shall be used as the basis of design.

This CSA currently assumes:

- The CONSULTANT will prepare and furnish construction plans and details on 24"x36" drawings at a 1:20 scale.
- The CONSULTANT shall submit 60%, 90% and 100% complete design drawings to PBCWUD.
- All Record Drawings for the existing water and wastewater facilities within the design corridor will be provided by PBCWUD, if available. The accuracy and completion of which shall be relied upon by the CONSULTANT.
- Any required hydraulic modeling for pipe sizing adjustments, fire flow analysis, or for permitting purposes is not included in this CSA. Should Hydraulic modeling be required by a regulatory agency, the CONSULTANT will be responsible for notifying PBCWUD in a timely manner and provide any necessary data to PBCWUD, so that PBCWUD may perform the hydraulic modeling in-house, and provide the results to the CONSULTANT.
- In order to maintain the schedule of deliverables requested by PBCWUD, the consolidated review comments generated by all entities within PBCWUD shall be submitted to CONSULTANT for the Preliminary, 60% and 90% design submittals within two (2) weeks of receipt of submittal from the CONSULTANT.
- The proposed infrastructure replacement design will be depicted in plan view only, unless where profile views are required for permitting.
- It is assumed that Plan and Profile Views will only be prepared where improvements are within a SFWMD/USACE R/W. Alignments of Profile Views will generally be along the centerlines of the proposed water mains, unless specifically required otherwise by the R/W owner.
- No sanitary infrastructure improvements or replacements are included.
- PBCWUD wishes to replace the existing fire hydrants within the water main replacement project limits if necessary. PBCWUD also wishes to install additional fire hydrants to address fire protection coverage gaps and to ensure fire hydrant spacing and fire protection coverage complies with current Palm Beach County Fire Rescue requirements.

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- PBCWUD does not wish to consolidate or replace any existing pairs of front-lot single water meter boxes, including the replacement of an existing pair of single water meter boxes with a proposed double meter box.
- If existing front-lot water meter boxes are to remain, but appear to be located where it is reasonable to assume the boxes will be subject to traffic loading from passing or parked vehicles, the CONSULTANT shall propose the boxes be replaced with Tier 15 traffic-rated water meter boxes/lids. Likewise, if a proposed relocated front-lot meter box is to be placed where subject to traffic loading, the CONSULTANT shall propose boxes be Tier 15 traffic-rated water meter boxes/lids.
- It is assumed that the locations of the replaced meter boxes will not change. It is also assumed that no significant work related to the private water service will be necessary for the meter box replacement, thus a licensed plumber will not be required.
- No construction phasing of the proposed improvements within the NE Zone 5 West Project area are included. If construction phasing is required upon completion of the 60% Design (Task 2.5), it can be included in the construction plans via supplement to this CSA upon request and prior authorization by PBCWUD
- No proposed potable water system pressure/flow monitoring devices are included.
- It is assumed that PBCWUD will provide all available sanitary system televising videos and as-built data related to any current or upcoming PBCWUD sanitary sewer projects within the project area that may be necessary or beneficial for this project's scope.
- Assistance to PBCWUD's public outreach consultant, The Merchant Strategy, Inc. (Merchant Strategy) is included in this CSA on an as needed basis where it relates to notifying/educating the property owners affected by the subject improvements and easement acquisition assistance (See Task 5)

2.1 Coordination with Subsurface Utility Engineering (SUE) and Geotechnical Engineering Sub-Consultants for Field Investigations:

The CONSULTANT shall coordinate with the SUE Sub-Consultant, Barnes, Ferland and Associates, Inc. dba BFA Environmental (BFA) and the Geotechnical Sub-Consultant, Pacifica Engineering Services, LLC. (Pacifica) on a continual basis to schedule their respective services as needed in a timely manner.

The CONSULTANT shall prepare and provide Utility targeting (scanning) and test hole (soft dig) exhibits to BFA to request the required work. BFA shall scan the limits of the proposed utility replacement corridors and designated road R/W using Ground Penetrating Radar (GPR) and other methods as indicated in their proposal.

During the design phase it may be determined that additional information is needed for specific utilities to confirm condition, material and location, acquire vertical elevations, confirm tie-in locations, navigate critical crossings, etc. The CONSULTANT shall prepare exhibits to provide to BFA depicting the location of the areas needing additional information for design purposes, whether via scanning or soft digs.

Further, the CONSULTANT shall coordinate with Pacifica to perform Standard Penetration Test (SPT) soil borings and pavement cores at locations determined by Pacifica based on their assessment of the proposed utility replacement corridor's existing conditions and geotechnical characteristics.

The CONSULTANT shall provide both BFA and Pacifica with all available system information assembled in coordination with PBCWUD and Utility providers at the time of the requested SUE and Geotechnical activities. BFA and Pacifica shall be individually responsible for performing all necessary activities prior to performing their respective work, such as but not limited to calling "Sunshine 811".

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While not included in this task, the CONSULTANT shall also coordinate with FDOT, and the City and/or their in-house consultant to provide notification of anticipated scanning, soft dig and geotechnical exploration operations once scheduled, as well as the anticipated work locations, prior to those efforts being completed. Should notification of work within PBC R/W be required, the CONSULTANT shall provide the same notification of anticipated field work timing and approximate locations via writing or a phone call (See Task 7).

Permitting for sub-consultant's work within the various R/W will be provided by the CONSULTANT or the sub-consultants, depending on the R/W Owner (See Task 7 & sub-consultant proposals included in Attachment E).

2.2 Field Acquisition of SUE Efforts and Depiction of Results on Construction Plans:

The CONSULTANT's survey field crews shall locate the results of the Scanning efforts on the part of BFA within the limits of the road R/W. These located results shall be incorporated into the Construction Plans. The CONSULTANT shall locate each soft dig and shall depict the location and vertical elevation data of the utility into the construction plans. A spreadsheet-based soft dig inventory containing the results of all soft digs associated with the project will be compiled and included with the construction plans. All SUE results will be provided to PBCWUD in the Final Deliverable.

2.3 Route Survey:

The CONSULTANT shall depict the entire R/W limits of roughly 17,850 LF of road R/W and/or private property/SFWMD R/W.

As a part of this Task, all of the applicable routes shall have the R/W line and property/lot line limits depicted based on information from a combination of recorded plats and/or deeds publicly available on the Clerk of Court's Official Records web page. Under this Task, a public record request, direct request from a Palm Beach County Courthouse or Title Search is not included. All known easements of record contiguous with the platted street R/W lines as shown on the recorded plats will be depicted (if any).

A baseline shall be created along the centerline of the road R/W for plan sheet stationing.

All Title Search coordination, review and drafting the results of up to twelve (12) Title Search by the CONSULTANT is included in this CSA (See Task 6).

All coordination and drafting/authoring required for up to twelve (12) proposed utility easement sketch and legal description by the CONSULTANT is included in this CSA (See Task 6)

The CONSULTANT shall establish at least two (2) benchmarks within each roadway corridor for construction purposes within the project area and the locations shall be indicated on the horizontal control sheets of the construction plans.

2.4 Topographic Survey:

A topographic survey shall be prepared based on the above-described route survey limits and shall include identification and location of pavement edges, driveways and turnouts, sidewalks, trees, signs, power poles, guy wire anchors, light poles, aboveground utility boxes, etc., within the R/W corridors. All existing water valves, fire hydrants, water meters, backflow preventers, double detector check valves, sanitary manholes, sanitary cleanouts, storm manholes, catch basins shall be located within the relevant project areas and, if deemed necessary by the CONSULTANT, adjacent to the affected project areas, if required for the utility replacement design purposes. If accessible, identifiable, and required for design purposes, pipe sizes, material and inverts of stormwater and sanitary sewer facilities located within or adjacent to the affected project area shall be acquired by means of accessing existing stormwater and sanitary structures.

Existing vertical grades shall be acquired within the proposed utility replacement corridors at a maximum of 100-foot intervals perpendicular to the centerline of the R/W extending to approximately 10 feet beyond the R/W lines as deemed necessary by the CONSULTANT. The acquired field data will be reflected on the construction plans as referenced.

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Available information on existing potable water and sanitary sewer mains (where applicable) will be provided by PBCWUD in the form of project Record Drawings for field verification, as applicable and if possible, during topographic data acquisition efforts. Dry utility facilities locations (electric, telecommunication, fiber optic, etc.) will be acquired where paint markings, as established by others, are encountered during topographic data acquisition efforts and will also be included on the construction plans.

2.5 60% Design Stage:

Construction plans at a completion level of approximately 60% shall be submitted to PBCWUD for review. The 60% design plans shall depict the existing utility replacement/abandonment limits and the various proposed infrastructure replacement layout/corridor in plan view only. These design plans shall also include the proposed connections to the existing water mains that are to remain.

These plans shall include all existing Utilities as acquired during the survey acquisition phase, the results of the utility coordination shall include any record information of the existing water and wastewater facilities as provided by PBCWUD. The results of the subsurface utility targeting/scanning will also be depicted on the plans. The proposed water main design will be adjusted to reflect initial comments from PBCWUD's review as well as review from SFWMD/USACE. Conflicts, crossings and deflections will be identified on the plans to the best of the CONSULTANT's abilities based on available data to date. A preliminary pothole inventory sheet will also be included reflecting known soft dig data at the time of the submittal. The 60% submittal will also include proposed grading and restoration details, PBCWUD Standard details and CONSULTANT's general details and general notes.

2.6 90% Design Stage:

Construction plans at a completion level of approximately 90% shall be submitted to PBCWUD. The 90% design plans shall include the 60% design as modified through PBCWUD's issued review comments and other data as deemed relevant by CONSULTANT. Where required for permitting of certain corridors, Profile Views will be provided in the 90% Design Plans with crossings calculated and detailed. Results of SUE soft digs will be depicted on the plans, known or discovered conflicts shall be addressed; deflections will be detailed and crossings calculated. The 90% submittal will include all necessary plans sheets, details and notes for permitting purposes.

2.7 100%/Final Design Stage:

Final construction plans will be prepared and shall include any modification from PBCWUD and/or modification requested by other regulatory agencies and approved by PBCWUD.

2.8 Preparation of Engineer's Opinion of Probable Construction Cost:

Upon completion of the 60% and 90% design submittal, the CONSULTANT shall prepare an engineer's Opinion of Probable Construction Costs (OPCC) roughly in the format of the ultimate Bid Tab and based upon various related Bid line item and construction cost unit price data. This OPCC estimate will be submitted to PBCWUD within one (1) week from the submittal of the 60% and 90% design. The OPCC will be updated to include any modifications during the final phases of the design and will be resubmitted with the 100%/Final design.

If at any point, should PBCWUD choose not to advertise the project as a public Bid and award it to a PBCWUD Pipeline Continuing Contractor, PBCWUD is to inform the CONSULTANT of the designated PBCWUD Pipeline Continuing Construction Contract that will apply to construction of the subject improvements and provide all current related data. All OPCCs provided by the CONSULTANT up to that point will remain and all forthcoming OPCCs will be per the applicable PBCWUD Pipeline Continuing Construction Contract. Should PBCWUD wish to have any previously provided OPCCs restructured to apply to a PBCWUD Pipeline Continuing Construction Contract, the CONSULTANT will provide these restructured and recalculated OPCCs and invoice the efforts under Task 4 upon approval by PBCWUD. If this occurs following the 60% design stage submittal, any restructuring and recalculations, as well as any resultant revisions to the Construction Documents will be provided via a supplement to this CSA at PBCWUD's request and approval.

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Deliverables Task 2:

- Copies of all SUE scanning and test hole results will be provided digitally
- Horizontal control plan will be included in the construction plans.
- Construction benchmarks will be established on site
- All acquired field topographic data will be included in the construction plans
- 60%, 90%, and Final Design Submittal Drawings will be provided digitally.
- Two (2) 11"x17", and two (2) 24"x36" hard copy sets of the 60% Design Plans
- Two (2) 11"x17", and two (2) 24"x36" hard copy sets of the 90% Design Plans
- Two (2) 11"x17", and two (2) 24"x36", signed & sealed hard copy sets of the Final Design Submittal Drawings
- Two (2) Hard Copies each of the 60% Design OPCC, 90% Design OPCC and 100% Final Design OPCC.

Task 3. Permitting Services with Regulatory Agencies for Proposed Infrastructure Improvements

At the completion of the 90% Design Stage, the CONSULTANT shall prepare applications for plan review/permit approvals from the following agencies:

- City of Belle Glade (R/W Permit)
- South Florida Water Management District (R/W Permit)
- United States Army Corps of Engineers (Section 404 and 408 Permit)
- Florida Department of Transportation (Utility Permit)
- Palm Beach County Engineering and Public Works – Land Development Division (Utility Permit)
- Palm Beach County Fire Rescue (Fire Protection)
- Florida Department of Health in Palm Beach County (Specific Permit for Potable Water Use)

In addition to preparing the permit applications for appropriate regulatory agencies, CONSULTANT shall assist PBCWUD in consultations with the appropriate authorities as necessary and shall track and monitor the permitting process. Permitting status sheets will be distributed throughout the process at milestones or more frequently if requested by PBCWUD. The Permitting Status sheets will identify the schedule of events as to when applications, comments and responses are submitted and will also include the permit number, regulatory contact and expiration date.

Of note, in preliminary discussions with USACE, permit submittals must be made to SFWMD to be routed to various USACE departments and review times can vary widely from three (3) to over six (6) months. The CONSULTANT is not responsible for extended USACE review or subsequent resubmittal requirements that impact the overall project schedule.

CONSULTANT services during the permitting phase shall also include the following:

- Attend pre-application meetings with the staff of each regulatory agency as required beyond the preliminary meetings.
- Attend meetings with each of the regulatory agencies during review of the final permit applications as required.
- Respond to request(s) for additional information from each regulatory agency.
- Provide PBCWUD with one (1) set of approved permits and plans from each permitting agency in hard and electronic copies, as may be applicable.
- Request permit extensions from regulatory agencies as needed throughout the duration of the project leading up to commencement of construction.
- Associated permit application fees shall be determined by the Regulatory agencies in coordination with the CONSULTANT and will be paid by PBCWUD.

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Deliverables Task 3:

- All Permit application packages and approval packages shall be provided digitally for PBCWUD's records.
- Meeting summaries for all meetings with regulatory agencies.
- All Permitting comments and responses will be provided digitally.
- Final approved permits will be included in Technical specifications Appendices.

Task 4. Bidding Support Services:

Upon completion of the Permitting phase, review and approval of the Bid Set of Construction Plans as provided by the CONSULTANT, PBCWUD shall draft and provide the front end documents for the Bid Package, including but not limited to, the contract, general conditions, invitation to bid, instructions to bidders, bond requirements, etc. PBCWUD shall advertise, print, sell, and maintain the bidders list related to the Public Bid of the subject potable water system replacement project. This project is assumed to be one (1) publicly bid construction package.

Unless otherwise noted, the following Tasks will be performed by PBCWUD and the CONSULTANT, together in a collaborative manner, during the bidding or negotiating phases for the project's construction package.

4.1 Review Front End Documents, Prepare Project Description, Summary of Work, Bid Tabulation, Summary of Pay Items:

Upon notice of securing permit approvals, provide PBCWUD with the Bid Set of Construction Plans, and upon receiving notice from PBCWUD that the provided Bid set was satisfactory, PBCWUD and the CONSULTANT shall collectively determine any applicable construction sequencing and restrictions/considerations during construction, including confirmation of the proposed construction phasing shown on the Bid set of construction plans. The CONSULTANT shall review the project's draft Front End Documents and advertisement for Bid as provided by PBCWUD. The CONSULTANT shall not review the Front End Documents for legal sufficiency. The CONSULTANT will provide any feedback and recommended revisions related to the Front End Documents to be considered and ultimately decided upon by PBCWUD with the input of any appropriate Palm Beach County Department as required.

The CONSULTANT shall generate a Bid Tabulation (Bid Tab) to be included in the Bid Package. The Bid Tab will be based upon an updated Final OPCC as revised to reflect any modifications resulting from the permitting process and final stages of design. Further, the CONSULTANT shall draft the Summary of Pay Items/Measurement & Payment section to match the provided Bid Tab. Finally, the CONSULTANT shall draft the Project Description and Summary of Work specifically for this project's scope.

All drafted sections shall be submitted by the CONSULTANT to PBCWUD in Microsoft Word format for review and approval prior to advertising the Bid. It is assumed that 'Tracked Changes' will be utilized between the CONSULTANT and PBCWUD to facilitate efficient review and revisions.

4.2 Preparation of Technical Specifications:

The CONSULTANT shall review, discuss and modify, as needed, the standard PBCWUD Technical Specifications to be appropriately applied to this project's scope. Supplemental Technical Specifications will be developed if necessary. It is assumed that this will be a collaborative authorship effort, as the Technical Specifications must make many references to PBCWUD standard operating criteria and metrics that are not known by the CONSULTANT, nor the CONSULTANT's charge to dictate.

It is assumed that SFWMD and USACE will supply any required additional specialty technical specifications related to backfilling, trenching, etc. within their R/W.

All drafted Technical Specifications will be submitted by the CONSULTANT to PBCWUD in

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Microsoft Word format for review and approval prior to advertising the Bid. It is assumed that 'Tracked Changes' will be utilized between the CONSULTANT and PBCWUD for review & revisions.

4.3 Pre-Bid Meeting Attendance and Summary:

The CONSULTANT shall coordinate directly with PBCWUD staff regarding the scheduling of the project's Pre-Bid meeting, and shall make arrangements for the Designing Engineer or Construction Project Representative involved during design to be in attendance. The CONSULTANT will get a copy of the pre-bid meeting agenda from PBCWUD prior to the meeting and will provide comments and additions based on the scope of the project.

PBCWUD is assumed to conduct the Pre-Bid meeting and is assumed to issue the Pre-Bid meeting minutes, if necessary, in the form of a Bid Addendum. The CONSULTANT shall take notes during the Pre-Bid meeting and will provide any relevant information, answers to any questions posed by the prospective bidders at the meeting and/or assist PBCWUD in drafting the Pre-Bid meeting addendum if requested by PBCWUD.

4.4 Response to Contractor Requests for Information and Addendum Issuance Assistance to PBCWUD:

The CONSULTANT shall coordinate with PBCWUD as questions from prospective Bidders are received directly by the CONSULTANT and/or PBCWUD. All received Requests for Information and general questions from prospective Bidders will be compiled by PBCWUD and the CONSULTANT towards drafting concise addendum(s) as necessary. The CONSULTANT shall provide additional information or supplemental information as necessary at PBCWUD's request if deemed necessary to effectively respond to the bidders' requests and questions. It is assumed that all drafted addendum(s) will be provided to PBCWUD by the CONSULTANT, and that PBCWUD will be issuing any addendum(s).

4.5 Review Compiled Bid Results, Verify Bid Package for the Lowest Bidders, Provide Summary of Findings to PBCWUD:

PBCWUD has preferred to compile received Bid results in the past, thus it is assumed that PBCWUD will compile the received Bid results, check the compiled bids for mathematical or entry errors, and shall coordinate with the Palm Beach County Office of Small Business Development (OSBD) to provide a calculation/decision on any required adjustments to the rankings of the three (3) lowest Base Bidders as required per applicable Local, and Small Business Enterprise preferences/requirements advertised in the Bid. PBCWUD shall then provide all submitted data to the CONSULTANT for the three (3) lowest Base Bidders in addition to the Bidder ranking adjustment calculation/decision by Palm Beach County OSBD.

It is assumed the CONSULTANT shall review the compiled bid results and verify responsiveness of the three (3) lowest bidder(s) bid packages; however, should PBCWUD request it, the CONSULTANT shall be prepared to review up to the lowest five (5) base bidders' packages.

The CONSULTANT shall first verify the provided facts in the provided bid packages, then shall contact all listed references for at least five (5) consecutive business days in an effort to verify past project experience and effectiveness as listed by the three lowest base bidders. The CONSULTANT shall take notes on the conversations with responsive references in order to summarize these communications and resulting assessment of the applicability of the lowest three bidders' provided past experience to the subject project. The CONSULTANT is not responsible for the lack of responsiveness by the Bidders listed references.

The CONSULTANT shall review the three (3) lowest base bidder's unit prices, commenting on submitted Unit prices if requested. The CONSULTANT shall not be responsible for determining whether or not a bid is "unbalanced" or "front-loaded"; however, if requested by PBCWUD, can provide an opinion based on numerical analysis related to the individual Bid Items and Measurement & Payment sections for PBCWUD's review and consideration.

It is assumed that minimum experience/qualifications will not be included in this project's advertised public Bid.

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Following the evaluation of the three lowest base bidders' submitted bid packages, the CONSULTANT shall summarize their verifications, findings, and conclusions and prepare a recommendation letter for consideration by PBCWUD in awarding the project to a prospective bidder.

Services in assistance to PBCWUD related to a Bid protest are not included in this CSA, but can be provided via a supplement to this CSA at PBCWUD's request and approval.

Deliverables Task 4:

- Technical specifications will be included in the bid documents and provided digitally.
- Schedule of Bid Items will be provided digitally.
- Summary of work for the Front end documents will be provided digitally.
- Front end document review comments will be provided digitally.
- Pre-Bid meeting agenda comments and summary will be provided digitally.
- Issued Bid Addenda in final form will be provided digitally.
- Summarized results of any Bid review efforts as requested by PBCWUD, including summary recommendation letter, as necessary, will be provided digitally.

Task 5. Assistance Towards Public Engagement/Coordination for Temporary and Permanent Easements (with The Merchant Strategy, Inc.); General Coordination with the City Regarding Resurfacing Projects:

The CONSULTANT shall assist Merchant Strategy, PBCWUD Public Outreach Consultant's efforts to communicate with and educate the property owners that are affected by this project's improvements. The CONSULTANT shall prepare exhibits to be provided to Merchant Strategy to facilitate communication with private property owners regarding agreements to provide PBCWUD with requested Temporary Construction Authorizations, as well as Permanent Utility easements necessary per PBCWUD Standards. The CONSULTANT shall also prepare exhibits to be provided to Merchant Strategy for distribution to the property owners as a means of facilitating communication regarding the project's general timeline leading up to and at the onset of construction, as well as the general impacts that property owners can expect during the construction of the necessary improvements within the various project areas. The CONSULTANT shall review and comment on all related documents prepared by Merchant Strategy to submit to the property owners, and shall make every reasonable attempt to assist Merchant Strategy' efforts to provide informed answers to affected property owners' submitted or communicated questions.

The CONSULTANT shall assist PBCWUD in their efforts to maintain continual communication with the City regarding FDOT-funded city-wide resurfacing projects as they progress and as new projects are conceptualized. The CONSULTANT shall attempt to continually coordinate with the City's in-house consultant, soliciting updated data regarding the current status, limits and anticipated scheduling of the City's FDOT-funded city-wide resurfacing projects as well as any other upcoming improvement projects that may coincide or conflict with this project's improvements.

This effort on the part of the CONSULTANT is meant to be in aid to the greater effort on the part of the City and PBCWUD to exchange information related to each entities' ongoing projects. The CONSULTANT will not be held responsible for the accuracy or the timeliness of any information provided by the City's in-house consultant, nor for any deviations made on the part of the City's contractor while scheduling or performing the City's projects.

The CONSULTANT shall review data received from the City's in-house consultant. Regarding this CSA, the included CONSULTANT services related to this effort are limited to review of the provided City Resurfacing project information and the potential impacts to this project's improvements, not related to other and/or future PBCWUD projects. Generating exhibits summarizing or related to this

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data is not included in this CSA, and can be provided via supplement to this CSA upon request and prior authorization by PBCWUD.

No public meeting attendance by the CONSULTANT is included in this CSA.

Note: In the course of its services for this task the CONSULTANT is inevitably faced with situations the outcome of which directly impact this Task's pace or even success. However, the CONSULTANT, by the nature of the services introduced by this scope being acquisition of temporary/permanent easements from the property owners, has no control of the outcome. As such, as long as reasonable attempts have been made by the CONSULTANT, the outcome of these efforts, if unsuccessful, shall not be construed as CONSULTANT's failure or breach of the contract. CONSULTANT makes no expressed or implied guarantees of the successful acquisition of all easements needed.

Deliverables Task 5:

- Final versions of all public outreach letters and exhibits, as well as final results for all public outreach efforts will be provided digitally.
- All received City project maps, exhibits, timelines, and other data will be provided digitally.
- Summarized lists of requested and received executed Temporary Construction Authorizations.

Task 6. Title Search Coordination and Review; Sketch and Legal Preparation for Permanent Easements:

This CSA includes the following services related to coordinating and reviewing a Title Search performed on up to twelve (12) properties, and the corresponding sketch and legal description services for up to twelve (12) permanent utility easements.

Upon request and approval by PBCWUD, the CONSULTANT shall coordinate to have Title Search services performed as a direct expense and invoiced by a Palm Beach County approved Title Agency. The CONSULTANT shall review the provided title search results and reflect all shown encumbrances on the construction plans as a result of these efforts.

Upon approval from PBCWUD, the CONSULTANT shall prepare a sketch and legal description sufficient for public recordation purposes of any permanent utility easements necessary per PBCWUD Utility standards. Currently, it is assumed that up to twelve (12) utility easements will be required, each requiring a separate sketch and legal description prepared in a similar fashion and to similar degrees of specificity/effort.

The CONSULTANT shall also coordinate with PBCWUD, Merchant Strategy and any applicable private property owners to provide the digital sketch and legal description document for review and execution prior to recordation by PBCWUD.

Deliverables Task 6:

- All Title Search results will be provided digitally.
- All Sketch and Legal Descriptions for Permanent easements will be provided, including in original signed & sealed format for recordation.

Task 7. Permitting and Notification Coordination for Sub-Consultant Efforts (As Needed):

Should FDOT, or the City require a R/W permit or Maintenance-of-Traffic (MOT) Application be submitted for the work by the SUE or Geotechnical sub-consultants within their respective rights-of-way, the CONSULTANT and sub-consultants shall coordinate with the appropriate individuals and/or departments to submit for the required R/W permit(s).

For FDOT, the sub-consultants shall prepare one (1) FDOT MOT Application each, if required, and submit it to FDOT with the CONSULTANT'S assistance, related to the performance of geotechnical soil borings and SUE activities within FDOT R/W. The CONSULTANT shall track the permit review

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and approval progress, and coordinate requests for additional information that must be provided towards the approval of the subject FDOT MOT Application. This assumes the sub-consultants will provide all necessary accompanying information for the subject FDOT MOT Application and will be responsible for any close-out requirements.

For the City of Belle Glade, the CONSULTANT shall coordinate with the City's Building Department and/or the City's In-House Consultant to submit up to one (1) R/W permit application, if required, for the sub-consultants to perform their work. This assumes the sub-consultants will provide all necessary accompanying information for the subject R/W permit.

For the SFWMD & USACE, the CONSULTANT shall assist coordinating with SFWMD and their USACE Liaison to submit up to one (1) R/W permit application, if required, for the sub-consultants to perform their field work. This assumes the sub-consultants will make any required submittal directly and provide all necessary accompanying information for the subject R/W permit. It is assumed any required geotechnical bores can be completed in locations that would not require a Drilling and Invasive Program Plan (DIPP), therefore a DIPP is not included in this CSA.

Under this task, the CONSULTANT shall also notify SFWMD, FDOT, PBC and the City via call or writing of the approximate scheduling for geotechnical and SUE activities within their respective R/W.

The CONSULTANT shall not be responsible for any changes in either sub-consultants' field work schedule that does not allow for accurate prior notification to the R/W owner(s).

The CONSULTANT shall not be responsible for the preparation or submittal of signed and sealed MOT plans if required for any application related to geotechnical or SUE work within any R/W.

Deliverables Task 7:

- All required & approved R/W or MOT permits and application submittals will be provided digitally.

Task 8. Subsurface Utility Exploration (Barnes, Ferland and Associates, Inc. dba BFA Environmental); (Proposal included in Attachment "E")

BFA shall scan the limits of specific strategic areas within the project limits using ground penetrating radar and other methods, as described in their proposal, to identify the approximate horizontal location of wet and dry utilities. Utilities located will be painted or flagged in the field for acquisition by the CONSULTANT's field survey crew. The results of the targeting/scanning will be provided in the form of color-coded sketches identifying the various utilities detected in approximate location trend and configuration. Up to eighteen (18) days of scanning are included in this CSA. BFA's proposal also includes mileage direct expenses, and as needed administrative fees.

BFA shall perform soft digs to provide subsurface information at each of the designated locations and will provide exhibits of the results for each soft dig. Up to sixty (60) soft digs to a depth of six (6) feet are included with this CSA.

BFA's proposal also includes mileage, direct expenses, fees for traffic control flagging, and the use of an arrow board as supplemental fees to be billed as direct expenses should they be required to perform the above referenced soft digs. Implementation and maintenance of necessary maintenance of traffic (MOT) measures are covered under BFA's proposal. If the requested utilities are deeper than six (6') feet, BFA's proposal includes a contingent as needed fee per foot beyond the included six (6') foot deep soft digs. Should an application of some fashion be required for SUE work within any FDOT or PBC R/W, BFA will prepare and submit the applications for approval by the R/W owner.

Deliverables Task 8:

- Copies of all SUE scanning and test hole results will be provided digitally.

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Task 9. Geotechnical Investigation & Testing (Pacifica Engineering Services, LLC):
(Proposal included in Attachment "E")

The Geotechnical Sub-consultant (Pacifica) shall acquire twenty-six (26) Standard Penetration Test (SPT) borings to a depth of six (6) feet below the surface, ten (10) SPT borings to a depth of fifteen (15) feet below the surface, and twelve (12) asphalt cores within the limits of the project area, at pre-coordinated locations. Any encountered unsuitable soils will be identified for consideration during the design process. The results of the asphalt cores and SPT borings will be summarized in a report of findings and recommendations prepared by Pacifica for consideration during the design process and inclusion in the public Bid package. The report and AutoCAD software-generated plotted log of each boring profile will be submitted to PBCWUD as a Final Deliverable. The approximate locations of each bore and the respective bore profiles shall be incorporated in a dedicated construction plan sheet of the construction drawings for reference by the contractor.

Pacifica's proposal also includes optional supplemental fees to implement any MOT measures necessary for the performance of their work. Additionally, Pacifica's proposal includes optional supplemental fees to prepare a MOT plan should it be required by FDOT or the City in order to perform their work within their respective R/W.

Deliverables Task 9:

- Signed & Sealed Geotechnical Report will be provided digitally.

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ATTACHMENT C

OEBO SCHEDULE 1

Office of Equal Business Opportunity Compliance Programs

OSBD SCHEDULE 1*

Belle Glade Water Main Improvements; NE Zone 5 West

SOLICITATION/PROJECT/BID NAME: Water System Replacement Project

SOLICITATION/PROJECT/BID NO.: 26-008

SOLICITATION OPENING/SUBMITTAL DATE: _____

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: Keshavarz & Associates, Inc.

ADDRESS: 711 N Dixie Highway, Suite 201, West Palm Beach, FL 33401

CONTACT PERSON: Amir J. Keshavarz, P.E.

PHONE NO.: 561-689-8600

E-MAIL: Amir@Keshavarz.com

PRIME'S DOLLAR AMOUNT OR PERCENTAGE OF WORK: \$ 617,453.47

Non-SBE

SBE

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

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	SBE	
1. Barnes, Ferland and Associates, Inc. dba BFA Environmental	<input type="checkbox"/>	<input checked="" type="checkbox"/>	\$ 78,207.75
2. Pacifica Engineering Services, LLC	<input type="checkbox"/>	<input checked="" type="checkbox"/>	\$ 19,909.54
3.	<input type="checkbox"/>	<input type="checkbox"/>	_____
4.	<input type="checkbox"/>	<input type="checkbox"/>	_____
5.	<input type="checkbox"/>	<input type="checkbox"/>	_____

(Please use additional sheets if necessary)

Total Bid/Offer Price \$ 715,570.76

Total \$ 98,117.29

Total Certified SBE Participation \$ 715,570.76

I hereby certify that the above information is accurate to the best of my knowledge:

Name & Authorized Signature Amir J. Keshavarz, P.E.

Managing Director

Title

- 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 due date are eligible to meet the established OSBD Affirmative Procurement Initiative (API). Please
 - Modification of this form is not permitted and will be rejected upon submittal.
 - If a Mandatory API goal applies, failure to submit a properly executed Schedule 2 will result in a determination of non-responsiveness to the solicitation.

ATTACHMENT C

OEBO SCHEDULE 2

Office of Equal Business Opportunity Compliance Programs

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OSBD 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. All Subcontractors/subconsultants, including any tiered Subcontractors/subconsultants, must properly execute this document. If a Mandatory API goal applies, failure to submit a properly executed Schedule 2 will result in a determination of non-responsiveness to the solicitation. Each properly executed Schedule 2 must be submitted with the bid/proposal.

SOLICITATION/PROJECT NUMBER: 26-008

SOLICITATION/PROJECT NAME: Belle Glade Water Main Improvements; NE Zone 5 West Water System Replacement Project

Prime Contractor: Keshavarz & Associates, Inc. Subcontractor: Keshavarz & Associates, Inc.

(Check box(s) that apply)

SBE Non-SBE Supplier

Date of Palm Beach County Certification (if applicable): 10/04/2025-10/03/2028

SBE PARTICIPATION – SBE Primes must document all work to be performed by their own work force on this form. Specify in detail, the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. When applicable, identify the line item(s) associated with the service/product being supplied. SBE credit will only be given for the areas in which the SBE is certified. A detailed quote/proposal may be attached to a properly executed Schedule 2 for additional information.

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
	Engineering, Surveying, Permitting				\$ 611,923.47
	Reimbursable Expenses				\$ 5,530.00

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: \$ 617,453.47

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

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

Keshavarz & Associates, Inc.
 Print Name of Prime
 By: [Signature]
 Authorized Signature
Amir J. Keshavarz, P.E.
 Print Name
Managing Director
 Title
 Date: 1/6/2026

Keshavarz & Associates, Inc.
 Print Name of Subcontractor/subconsultant
 By: [Signature]
 Authorized Signature
Amir J. Keshavarz, P.E.
 Print Name
Managing Director
 Title
 Date: 1/6/2026

*Revised 6.5.2025 pursuant to Emergency Ordinance 2025-014, approved on June 3, 2025

OSBD 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. All Subcontractors/subconsultants, including any tiered Subcontractors/subconsultants, must properly execute this document. If a Mandatory API goal applies, failure to submit a properly executed Schedule 2 will result in a determination of non-responsiveness to the solicitation. Each properly executed Schedule 2 must be submitted with the bid/proposal.

SOLICITATION/PROJECT NUMBER: 26-008

SOLICITATION/PROJECT NAME: Belle Glade Water Main Improvements; NE Zone 5 West Water System Replacement Project

Prime Contractor: Keshavarz & Associates, Inc. Subcontractor: Barnes, Ferland and Associates, Inc. dba BFA Environmental
 (Check box(s) that apply)

SBE Non-SBE Supplier Date of Palm Beach County Certification (if applicable): 8/7/2023-8/6/2026

SBE PARTICIPATION – SBE Primes must document all work to be performed by their own work force on this form. Specify in detail, the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. When applicable, identify the line item(s) associated with the service/product being supplied. SBE credit will only be given for the areas in which the SBE is certified. A detailed quote/proposal may be attached to a properly executed Schedule 2 for additional information.

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
	Subsurface Utility Engineering				\$ 77,760.00
	Reimbursable Expenses				\$ 447.75

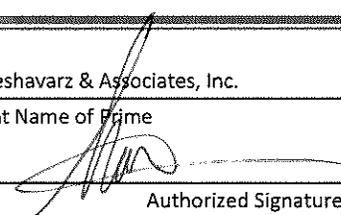
The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: \$ 78,207.75

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

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

Keshavarz & Associates, Inc.
 Print Name of Prime

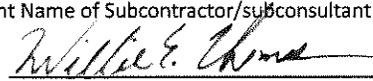
By: 
 Authorized Signature

Amir J. Keshavarz, P.E.
 Print Name

Managing Director
 Title

Date: 1/12/2026

Barnes, Ferland and Associates, Inc. dba BFA Environmental
 Print Name of Subcontractor/subconsultant

By: 
 Authorized Signature

Willie E. Thomas, P.E.
 Print Name

President
 Title

Date: 1/12/2026

*Revised 6.5.2025 pursuant to Emergency Ordinance 2025-014, approved on June 3, 2025

OSBD 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. All Subcontractors/subconsultants, including any tiered Subcontractors/subconsultants, must properly execute this document. If a Mandatory API goal applies, failure to submit a properly executed Schedule 2 will result in a determination of non-responsiveness to the solicitation. Each properly executed Schedule 2 must be submitted with the bid/proposal.

SOLICITATION/PROJECT NUMBER: 26-008

SOLICITATION/PROJECT NAME: Belle Glade Water Main Improvements; NE Zone 5 West Water System Replacement Project

Prime Contractor: Keshavarz & Associates, Inc. Subcontractor: Pacifica Engineering Services, LLC

(Check box(s) that apply)

SBE Non-SBE Supplier

Date of Palm Beach County Certification (if applicable): 10/25/2024-10/24/2027

SBE PARTICIPATION – SBE Primes must document all work to be performed by their own work force on this form. Specify in detail, the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. When applicable, identify the line item(s) associated with the service/product being supplied. SBE credit will only be given for the areas in which the SBE is certified. A detailed quote/proposal may be attached to a properly executed Schedule 2 for additional information.

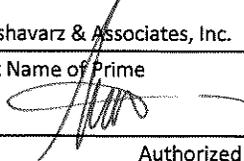
Line Item	Item Description	Unit Price	Quantity/Units	Contingencies/Allowances	Total Price/Percentage
	Geotechnical Engineering				\$ 19,909.54

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: \$ 19,909.54

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

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

Keshavarz & Associates, Inc.
 Print Name of Prime
 By: 
 Authorized Signature

Pacifica Engineering Services, LLC
 Print Name of Subcontractor/subconsultant
 By: 
 Authorized Signature

Amir J. Keshavarz, P.E.
 Print Name
Managing Director
 Title
 Date: 1/7/2026

Wesley Foster, P.E.
 Print Name
Principal Engineer
 Title
 Date: JANUARY 7 2026

*Revised 6.5.2025 pursuant to Emergency Ordinance 2025-014, approved on June 3, 2025

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>
<u>Task 1. Preliminary Design Services</u>	
1.1 Project Management, Research, Data Exchange, and Project Orientation	540 Calendar Days
1.2 Kick-off, Progress and Design Review Meetings	345 Calendar Days
1.3 Preliminary Meetings and Coordination with Regulatory Agencies	150 Calendar Days
1.4 Field Visit(s) and Coordination with O&M Staff	150 Calendar Days
1.5 Utility Coordination	90 Calendar Days
1.6 SFWMD & USACE Preliminary Design Submittal	120 Calendar Days
<u>Task 2. Infrastructure Replacement Surveying and Design Services</u>	
2.1 Coordination with Subsurface Utility Engineering (SUE) and Geotechnical Engineering Sub-Consultants for Field Investigations	270 Calendar Days
2.2 Field Acquisition of SUE Efforts and Depiction of Results on Construction Plans	300 Calendar Days
2.3 Route Survey and 2.4 Topographic Survey	150 Calendar Days
2.5 60% Design Stage	225 Calendar Days
2.6 90% Design Stage	315 Calendar Days
2.7 100%/Final Design Stage	360 Calendar Days
2.8 Preparation of Engineer's Opinion of Probable Construction Cost	360 Calendar Days
<u>Task 3. Permitting Services with Regulatory Agencies for Proposed Infrastructure</u>	390 Calendar Days
<u>Task 4. Bidding Support Services</u>	540 Calendar Days
<u>TOTAL ANTICIPATED DURATION</u>	<u>540 CALENDAR DAYS</u>

REVISED 12-03-25

ATTACHMENT -- E BUDGET SUMMARY												
Palm Beach County Water Utilities Department Contract for Consulting/Professional Services Pressure Pipeline Engineering Services Resolution No.: 132021-0504 Contract Dates: April 20, 2021 Consultant Service Authorization No.: 5 Consultant: Kashavatz & Associates, Inc. Project Title: Belle Glade Water Main Improvement, NE Zone 5 West Water System Replacement Project PCWUD Project No.: 26-008												
BUDGET SUMMARY												
Task	Task Description	Project Director / Senior Manager	Project Engineer / Senior Project Manager									
Number	Task Description	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Task 1.1	Project Management, Research, Data Exchange and Project Orientation	44	70	50	44	10	30	10	10	10	18	\$ 56,442.70
Task 1.2	Kick-off, Program, and Design Review Meetings	20	24	10	10	10	10	10	10	10	18	\$ 18,498.02
Task 1.3	Preliminary Meetings and Coordination with Regulatory Agencies	8	18	6	18	8	8	8	8	2	2	\$ 12,385.02
Task 1.4	Field Visits and Coordination with O&M Staff	2	9	6	18	14	14	8	8	8	8	\$ 8,273.04
Task 1.5	Utility Coordination	2	6	6	14	24	24	45	6	6	6	\$ 13,728.78
Task 1.6	RFEMD & UPRC Preliminary Design Submittal	4	18	38	48	60	60	4	16	6	6	\$ 28,836.78
Task 2.1	Coordination with Subsurface Utility Exploration and Detection Engineering Sub-consultants for Field Investigations	4	10	10	14	20	20	8	4	4	4	\$ 11,128.22
Task 2.2	Field Acquisition of Subsurface Utility Exploration Data and Deposition of Results on Construction Plans	4	10	6	16	40	40	128	4	4	4	\$ 34,078.02
Task 2.3	Point Survey	4	6	45	12	40	40	86	4	6	6	\$ 33,064.83
Task 2.4	Topographic Survey	4	6	39	44	80	350	350	4	6	6	\$ 85,121.88
Task 2.5	90% Design	20	54	88	120	280	8	8	6	6	6	\$ 83,660.18
Task 2.6	90% Design	16	40	50	80	220	4	6	6	6	6	\$ 64,804.62
Task 2.7	100% Final Design	4	14	34	28	70	70	6	6	6	6	\$ 25,287.82
Task 2.8	Preparation of Engineer's Opinion of Probable Construction Cost(s)	2	10	6	24	20	8	8	4	4	4	\$ 12,189.80
Task 3	Permitting Services with Regulatory Agencies for Proposed Infrastructure	18	38	28	64	84	84	90	8	8	20	\$ 44,874.00
Task 4.1	Review Final Documents, Prepare Project Description, Summary of Work, Bid Tabulation, Summary of Pay Items	4	12	2	28	8	8	14	14	14	14	\$ 10,282.58
Task 4.2	Preparation of Technical Specifications	4	12	2	24	8	8	10	10	10	10	\$ 8,454.98
Task 4.3	Pre-Bid Meeting Attendance & Summary	4	4	0	2	2	2	4	4	4	4	\$ 2,370.54
Task 4.4	Response to Contractor Requests for Information and Addendum Issuance	8	14	4	18	6	6	6	6	6	6	\$ 9,744.90
Task 4.5	Review, Complete Bid Reading, Verify Bid Package for Lowest Three (3) Bidders, Provide Summary of Findings to PCWUD	6	8	2	16	4	4	12	10	10	10	\$ 8,882.12
Task 5	Maintain Records Public Engineering / Coordination for Temporary and Permanent Easements (With The Maximum Degree of Care)	2	10	4	16	12	12	2	2	2	6	\$ 7,888.02
Task 6	Title Search Coordination and Review; Search and Legal Preparation for Permanent Easements (As Needed) - Assessor Up to 120 (120 Permanent Easements)	2	6	64	12	48	48	24	6	6	24	\$ 20,232.08
Task 7	Permitting and Notification Coordination for Sub-consultant Efforts (As Needed)	2	6	4	14	8	8	8	2	2	4	\$ 7,374.54
Task 8	Subsurface Utility Engineering (Gases, Potable, and Sewerage, Inc. the EPA Environmental) Includes as needed MCI, Permitting, etc.	2	6	4	14	8	8	8	2	2	4	\$ 78,207.78
Task 9	Geotechnical Exploration (Includes as needed MCI, Permitting, etc.)	2	6	4	14	8	8	8	2	2	4	\$ 19,908.54
Subtotal Services												\$ 98,117.29
Subtotal Labor												\$ 811,823.47
Sub-Consultant Labor Total												\$ 88,177.29
Sub-Consultant Material												1.00
Sub-Consultant Total												\$ 88,178.29
Material, Milling, Copies, Prints, Deliveries (As Needed Direct Expenses Per Rates & Projections attached)												\$ 5,930.00
Project Total												\$ 719,570.78
Labor Subtotal Hours												182
Labor New Costs												\$ 81.00
Labor Multiplier												3.00
Labor Sub Total												\$ 243.08
Labor Total												\$ 811,823.47
Sub-Consultant Labor Total												\$ 88,177.29
Sub-Consultant Material												1.00
Sub-Consultant Total												\$ 88,178.29
Material, Milling, Copies, Prints, Deliveries (As Needed Direct Expenses Per Rates & Projections attached)												\$ 5,930.00
Project Total												\$ 719,570.78

BUDGET SUMMARY

Sub-Consultant Labor Total

Sub-Consultant Material

Sub-Consultant Total

Material, Milling, Copies, Prints, Deliveries (As Needed Direct Expenses Per Rates & Projections attached)

Project Total

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Project Total

Sub-Consultant Labor Total

Sub-Consultant Material

ATTACHMENT – E

Palm Beach County Water Utilities Department
 Contract for Consulting/Professional Services Pressure Pipeline Engineering Services
 Resolution No.: R2021-0504 Contract Dated: April 20, 2021

Consultant Service Authorization No.: 5
 Consultant: Keshavarz & Associates, Inc.
 Project Title: Belle Glade Water Main Improvements; NE Zone 5 West Water System Replacement Project
 PBCWUD Project No.: 26-008

<i>Reimbursable / Direct Expenses</i>	<i>Rates</i>
8½" x 11" Prints / Copies (black/white)	\$ 0.25
8½" x 11" Prints / Copies (color)	\$ 1.00
11" x 17" Prints / Copies (black/white)	\$ 0.50
11" x 17" Prints / Copies (color)	\$ 1.00
24" x 36" Prints / Copies (black/white)	\$ 1.50
24" x 36" Prints / Copies (color)	\$ 3.50
Mileage (in accordance with IRS Rates)	\$ 0.700
Bond Copies By Vendor (Billed at Cost - Vendor invoices to be provided when billed)	As Invoiced by Vendor
Deliveries / Courier Service By Vendor (Billed at Cost - Vendor invoices to be provided when billed)	As Invoiced by Vendor
Title Search By Approved Vendor (Billed at Cost - Vendor invoices to be provided when billed)	As Invoiced by Vendor

Projected Reimbursable Expenses	Projected Quantity	Unit Cost	Projected Cost
DIRECT EXPENSES			
1 8½" x 11" Prints / Copies (black/white)	80	\$ 0.25	\$ 20.00
2 8½" x 11" Prints / Copies (color)	0	\$ 1.00	\$ -
3 11" x 17" Prints / Copies (black/white)	260	\$ 0.50	\$ 130.00
4 11" x 17" Prints / Copies (color)	0	\$ 1.00	\$ -
5 24" x 36" Prints / Copies (black/white)	0	\$ 1.50	\$ -
6 24" x 36" Prints / Copies (color)	0	\$ 3.50	\$ -
7 Mileage (in accordance with IRS Rates)	7000	\$ 0.700	\$ 4,900.00
8 Bond Copies By Vendor (Billed at Cost - Vendor invoices to be provided when billed)	650	Invoiced Cost	\$ 400.00
9 Deliveries / Courier Service By Vendor (Billed at Cost - Vendor invoices to be provided when billed)	4	Invoiced Cost	\$ 80.00
10 Title Search By Approved Vendor (Billed at Cost - Vendor invoices to be provided when billed)	0	Invoiced Cost	\$ -
Total Projected As Needed Reimbursable Expenses			\$5,530.00



Monday, January 5, 2026

Mr. Amir J. Keshavarz, PE
Managing Director - Keshavarz & Associates, INC
711 N. Dixie Highway, Suite 201
West Palm Beach, Florida 33401
Amir@keshavarz.com

RE: Belle Glade Water Main Improvements; NE Zone 5 West Water System Replacement Project– SUE QL A & B Proposal

Dear Mr. Keshavarz,

Barnes, Ferland & Associates, Inc. (BFA) is pleased to submit our response to Utility Designation and excavation services for the above-mentioned **WUD Belle Glade Zone 5 West Water Main Replacement**. Below please find our scope of services, fee estimate, schedule and deliverables for surveying services in support of your project.

Project Location:

The project is on Belle Glade, Palm Beach County, Florida. See the attached "*Work Area Exhibit*" showing scope limits.

Scope of Services

Utility Designation:

Throughout the limits underground utilities within the corridor will be designated and marked. Electronic sensing equipment and ground-penetrating radar (GPR) will be utilized to detect and mark all underground utilities capable of transmitting a signal. A total of eighteen (18) working days will be scheduled for the utility designation activities. Paint marks and/or wire flags will be placed on the ground surface that will indicate the approximate location of the underground utility. Each utility will be color coded according to the ASCE standard industry color. Sketches will be made depicting the results of the designation to assist with the field location and drawing the lines connecting the utilities. Utilities designated will include electric, water, force main, gas, numerous communication lines or other utilities that may be discovered. Small service lines and irrigation lines will not be designated.

Please see attached Exhibit "A" Limitations regarding underground utilities.

Utility designation will indicate the presence and approximate horizontal location of most underground utilities through the use and application of electronic sensing equipment and ground penetrating radar. BFA will notify Sunshine One Call (SSOC) for a Design Ticket to acquire utility provider information for the specified work area. Those utilities that can be marked using the techniques described will be designated and marked with paint and/or flags.

1230 Hillcrest Street • Orlando, Florida 32803
Office (407) 896-8608 • Fax (407) 896-1822

Maintenance of Traffic:

As needed, MOT will be included in this task to support Subsurface Utility Engineering (SUE) activities. Test hole excavations will be performed to support utility designation, including work within the roadway corridor. Right-of-Way (ROW) utilization permit applications will be submitted to the appropriate agencies for review and approval, and Maintenance of Traffic (MOT) permits will be obtained from the agencies with jurisdiction over the affected roadway segments. An MOT Plan outlining the traffic control approach and demonstrating compliance with applicable standards will be prepared and submitted for approval before any designation or excavation work begins. A maximum of two (2) working days will be allocated to this task.

Utility Location:

Up to sixty (60) excavations (VVH's) are included in this proposal. Only those excavations utilized will be billed. Excavations will provide the horizontal and vertical location of the utility as well as the size, type, material, and general condition of the utility. A detailed Test Hole Report will be made for the excavation that will show a semi-permanent mark set directly above the utility for survey location. The sketch will show the measurement from the mark to the top of the utility with reference ties to nearby features to aid in the recovery of the mark. All other information obtained will also be on the sketch. Final PDF Test Hole Reports will be prepared at the end of the project as Keshavarz & Associates, INC begins to prepare Final Deliverables. Keshavarz & Associates, INC will provide all relevant data not already provided in the Preliminary Test Hole Report, and a final report per excavation will include all data in typed print and a clear diagram.

Sunshine 811 will be contacted for a location ticket prior to excavation as required by Florida Statute 556.106. This should result in utilities being designated (marked) by the appropriate utility company. BFA will perform additional designation to verify utility markings by others and identify any that are not marked.

Deliverables:

PDF delivery of Test Hole Reports, along with copies of any sketches and notes produced in the field.

Fee Estimate:

The attached spreadsheet provides a breakdown of man-hours and our Not-to-Exceed fee. The total estimated fee for the described Scope of Services and Deliverables is **\$78,207.75**.

Schedule:

We are prepared to commence work within two (2) weeks of written notice to proceed with the project and have a duration of eight (8) week. Final Test Hole Reports will be provided upon request at the end of the project in preparation of Final Deliverables, following the exchange of related data.

We look forward to working with Keshavarz & Associates, INC on this project. If you have any questions or need more information, don't hesitate to contact the undersigned.

Sincerely,

Esteban Jimenez-Colon, P.S.M.
Vice President - Survey Division Manager

Exhibit "A" Limitations

Subsurface Utility Engineering (SUE) services are utilized to identify and document the underground utility installations as stipulated in the scope of services and by contractual agreement. As in all disciplines, there are limitations of equipment, technology and personnel. The following describes, but is not limited to, the limitations usually encountered.

- Impervious subsurface material: Rock, below a depth of 3 feet. BFA will use pneumatic techniques to remove rock and pavement up to a depth of 3 feet. Below that depth we will rely solely on remote sensing and disclaim definitive results.
- Groundwater: BFA will make every reasonable attempt to definitively identify depth, size and type of underground utilities where groundwater is present. There are situations where groundwater will make visual inspection impracticable. We will use manual sensing to make the most reasonable measurements under these conditions, but it is understood that without direct visual confirmation the measurements and characteristics are limited to 'closely approximate'.
- Depth: Direct visual observation is limited to 7 feet under ideal conditions and diminishes as conditions deteriorate. Below 7 feet manual sensing is used to determine physical characteristics. Size by manual sensing is generally reliable, but the physical characteristics (type) of utility is dependent on too many variables to be considered definitive.
- There may be utilities that do not transmit electronic signals, that have not been made known to BFA, or that have no evidence at or above ground level. These utilities may not be detected or located.
- Ownership of underground utilities is not evident by observation of the buried utility. Every reasonable attempt will be made to determine ownership. Subsurface Utility Engineering (SUE) services do not include sanitary sewer installations/structures (gravity), or storm water lines/structures (gravity). However, the location of these utilities may be negotiated as a specific additional service.
- Consultant or Client Instructions: The Consultant or the Client may, from time to time, issue instructions or modify the scope of work. Any such instructions or modifications will be written and accepted by both parties prior to implementation.

If the Consultant or Client has plans, surveys, or other documentation that might assist in determining what utilities are present, they will be provided. As part of the Quality Assurance process, completed plans showing data derived from BFA's services will be submitted for review and confirmation if requested.

BFA's services are intended as an aid to the designers of this project, and it may affect actual construction operations. The information provided by BFA is based, in part, upon data furnished by utility owners and their representatives, or by the Consultant or Client.

Project: Belle Glade Water Main Improvements; NE Zone 5 West Water System Replacement Project

Date: November 19, 2025

Firm: Barnes, Ferland and Associates, INC

Esteban Jimenez-Colon, PSM

NE Zone 5 West Water Main Replacement - SUE QL A & B

Keshavarz & Associates, INC - Amir J. Keshavarz, PE

Task 300	Senior Surveyor and Mapper		2 Person Survey Crew		Survey Tech.		Utility Coordinator		SUE Crew 3 person		Admin III		Total Salary Costs	Total Hours	Remarks
	\$165.00	(Rate)	\$153.00	(Rate)	\$99.00	(Rate)	\$90.00	(Rate)	\$ 201.00	(Rate)	\$105.00	(Rate)			
	\$55.00	(Raw)	\$51.00	(Raw)	\$33.00	(Raw)	\$30.00	(Raw)	\$67.00	(Raw)	\$35.00	(Raw)			
	3.0	(Multiplier)	3.0	(Multiplier)	3.0	(Multiplier)	3.0	(Multiplier)	3.0	(Multiplier)	3.0	(Multiplier)			
	Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost	Hrs	Cost			
SUE															
Utility Designation	2.0	\$330.00		\$0.00	40.0	\$3,960.00	8.0	\$720.00	150.0	\$30,150.00	18.0	\$1,890.00	\$37,050.00	218.0	18 days
MOT (2 days)		\$0.00	10.0	\$1,530.00		\$0.00	15.0	\$1,350.00		\$0.00	2.0	\$210.00	\$3,090.00	12.0	2 days, as needed
Utility Location (\$625.00 ea.)															
Excavation 60 Digs	12.0	\$1,980.00	30.0	\$4,590.00	30.0	\$2,970.00	30.0	\$2,700.00	120.0	\$24,120.00	12.0	\$1,260.00	\$37,620.00	234.0	
SubTotal	14.0	\$2,310.00	40.0	\$6,120.00	70.0	\$6,930.00	53.0	\$4,770.00	270.0	\$54,270.00	32.0	\$3,360.00	\$77,760.00	479.0	
Direct Expenses													\$447.75		Direct Expenses per Projected Direct Expense Breakdown, To be Invoiced as needed as pass-through cost.
TOTAL	14.0	\$2,310.00	40.0	\$6,120.00	70.0	\$6,930.00	53.0	\$4,770.00	270.0	\$54,270.00	32.0	\$3,360.00	\$78,207.75	479.0	

REVISED 12-03-25



Water Utilities Department
Engineering Division

8100 Forest Hill Blvd

West Palm Beach, FL 33413

(561) 493-6000

Fax: (561) 493-6085

www.pbcwater.com



Palm Beach County
Board of County
Commissioners

Maria G. Marino, Mayor

Sara Baxter, Vice Mayor

Gregg K. Weiss

Joel G. Flores

Marci Woodward

Maria Sachs

Bobby Powell Jr.

Interim County Administrator

Todd J. Bonlarron

"An Equal Opportunity Employer"

Official Electronic Letterhead

July 14, 2025

Mr. Amir Keshavarz, P.E,
Keshavarz & Associates, Inc.
711 North Dixie Highway, Suite 201
West Palm Beach, Florida 33401

Re: Project Number: 20-044
Pressure Pipeline Engineering Services
Notification of Contract Clauses No Longer Being
Enforced Pursuant to Emergency Ordinance 2025-014

Dear Mr. Keshavarz,

On June 3, 2025, the Board of County Commissioners (BCC) approved an emergency ordinance to suspend the race and gender conscious provisions of the County's EBO ordinance. The suspension will remain in effect for two years or until further direction by the BCC, whichever comes first. As a result, the provisions relating to minority/women-owned business enterprise (M/WBEs) participation contained in the contract document (R2021-0504) under Article 7- Subcontracting **will not be enforced** as of June 3, 2025, only the small business enterprise (SBE) provisions will apply.

Please sign below to acknowledge receipt of this notification. This acknowledgement will be included in, and made part of, the contract file.

Should you require any additional information please contact Ms. Christina Bervin at cbervin@pbcwater.com or at (561) 493 5203.

Cordially,

Jane House, P.E., LEED AP
Director of Engineering Division

Receipt Acknowledged and In Agreement:

Keshavarz & Associates, Inc.
(Consultant)

Amir J. Keshavarz, P.E.
(Print Name)

(Signature)

July 15, 2025
(Date)

Attachment 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
DX00001987	Keshavarz & Associates, Inc.	Modified	Compliant					20-044	Pressure Pipeline Engineering Services
		A+ , XIV	RLI Insurance Company	PSA0003674	7/1/2025	7/1/2026	Auto Liability		
		A+ , XIV	RLI Insurance Company	PSE0005530	7/1/2025	7/1/2026	Excess Liability		
		A+ , XIV	RLI Insurance Company	PSB0011207	7/1/2025	7/1/2026	General Liability		
		A-g , XV	SiriusPoint Specialty Insurance Corporation	PROVAE000034300	7/1/2025	7/1/2026	Professional Liability		
		A+ , XIV	RLI Insurance Company	PSW0006050	7/1/2025	7/1/2026	Workers Comp		

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