PALM BEACH COUNTY BOARD OF COUNTY COMMISSIONERS

AGENDA ITEM SUMMARY

Meeting Date:

April 20, 2021

Consent [X]
Public Hearing []

Regular []

Department:

Water Utilities Department

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: Consultant Services Authorization (CSA) No. 1 to the Consulting/Professional Services Utility Distribution & Collection System Consulting Services Contract (Contract) with Keshavarz & Associates, Inc. (Consultant) for the Belle Glade Water Main Improvements; SE Zone 4 Water System Replacement Project (Project) for a not to exceed amount of \$571,537.68.

Summary: On December 15, 2020, the Board of County Commissioners approved the Palm Beach County Water Utilities Department (PBCWUD) Contract (R2020-1898) with Consultant. CSA No. 1 provides for professional engineering services relating to survey, design and permitting of the Project. These services include, survey, subsurface utility exploration, geotechnical exploration, construction plans, permitting, outreach support and bid support services for the replacement and relocation of approximately 16,000 linear feet of water mains within the south east area of the City of Belle Glade designated as Zone 4. Project also includes the relocation of approximately thirty-one (31) water services from the rear of the property to the front of the property.

This Contract was procured under the requirements of the Equal Business Opportunity Ordinance. On October 2, 2019, the Goal Setting Committee applied an Affirmative Procurement Initiative (API) of a minimum mandatory 20% Small Business Enterprise (SBE) subcontracting goal and an evaluation preference for up to 15 points based upon the relative level of dollar participation by certified SBE firms were the API applied to the Contract. The Contract provides for 85.00% SBE participation, which includes 85.00% M/WBE participation, 82.00% MBE (A), and 3.00% MBE (B). CSA No. 1 includes 86.79% SBE participation which includes 86.79% M/WBE participation, 86.79% MBE (A). The cumulative SBE participation including CSA No. 1 is 86.79% SBE, which includes 86.79% MBE (A). Consultant is a Palm Beach County based company. The Project is included in the PBCWUD FY21 Budget. (PBCWUD Project No. 21-033) District 6 (MJ)

Background and Justification: Zone 4 of the Belle Glade water distribution system 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. The Project also includes the relocation of water services from the rear to the front of the properties. The Project include the areas generally bounded by South Main Street, East Canal Street and Dr. Martin Luther King Jr., Boulevard. The existing water mains to be replaced under the Project are undersized and lack adequate fire protection. The Project is needed to increase fire protection, restore the service life, efficiency and effectiveness of the water distribution system. This Project will also help to reduce the operations and maintenance workload and associated cost.

Attachments:

- 1. Four (4) Originals of Consultant Services Authorization No. 1
- 2. Location Map
- 3. Certificate of Liability Insurance

Recommended E	By: Jim Stiles	3-23-2021	
		Date	
Approved By:	alil & flux	4/2/2021	
,	Assistant County Administrator	Date	

II. <u>FISCAL IMPACT ANALYSIS</u>

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2021	2022	2023	2024	2025
Capital Expenditures - Operating Costs External Revenues Program Income (County) In-Kind Match County	\$571,538 <u>0</u> <u>0</u> <u>0</u> <u>0</u> <u>0</u>	0 0 0 0 0	<u>0</u> 0 0 0	0 0 0 0	0000
NET FISCAL IMPACT	<u>\$571,538</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
# ADDITIONAL FTE POSITIONS (Cumulative)	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Budget Account No.:	Fund <u>4011</u>	Dept <u>721</u>	Unit <u>W038</u>	Object <u>6543</u>	
Is Item Included in Current	Budget?		Yes_X_	No	
Does this item include the u		inds? eporting Cate		No <u>X</u>	
B. Recommended Sou				• • •	
One (1) time expend					forward
One (1) time expend	nure from user	CCS, COMMECU	ion ices and c	diance brought	iorward.
C. Department Fiscal	Review:			- (E	
	III. <u>REV</u>	IEW COMME	NTS		
A. OFMB Fiscal and/o	r Contract Dev	elopment and	d Control Co	mments:	
OFMB	3/26/21 BR 31	1 <u>25</u> cc	ontract Develo	pment and Con	3/3/12/
B. Legal Sufficiency:					·
Ru Bw Assistant Cou	Fir MJONU Inty Attorney	04/1b1			
C. Other Department I	Review:				

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

Department Director

CONSULTANT SERVICES AUTHORIZATION NO. 1

Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services
Utility Distribution & Collection System Engineering Services
Resolution No. R2020-1898 Contract Dated December 15, 2020

Project Title: Belle Glade Water Main Improvements; SE Zone 4 Water System Replacement Project

PBCWUD Project No.: 21-033

Consultant: Keshavarz & Associates, Inc.

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

Budget Line Item No.: <u>4011-721-W038-6543</u>

District No.: 6

This Consultant Services Authorization provides for: <u>Engineering services</u>, including but not limited to: <u>Subsurface Utility Exploration (SUE)</u>, geotechnical exploration, survey, preparation of construction plans, permitting, community outreach support and bid assistance services towards the addition of new water mains, replacement of existing water mains and water services, as well as the conversion of existing rear-lot water services to front-lot services within the limits of the geographical area referred to as "South East Zone 4" in the City of Belle Glade, Florida.

(See ATTACHMENT A for detailed scope of services)

The Contract provides for 85.00% SBE participation which includes 85.00% M/WBE participation, 3.00% MBE (B) and 82.00% (A). This Consultant Services Authorization includes 86.79% overall SBE participation which includes 86.79% M/WBE participation, which includes 0.00% MBE (B) and 86.79% MBE (A). The cumulative SBE participation, including this authorization is 86.79% which includes 86.79% M/WBE participation, which includes 0.00% MBE (B) and 86.79% MBE (A).

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 \$571,537.68
 - B. Fixed price of \$0.00
 - C. Total <u>\$571,537.68</u>
- 4. This Authorization may be terminated by the County without cause or prior notice. In the event of termination not the fault of the Consultant, the Consultant shall be compensated for all services performed through the date of termination, together with reimbursable expenses (if applicable) then due.

CONSULTANT SERVICES AUTHORIZATION NO. __1___

Palm Beach County Water Utilities Department Contract for Consulting/Professional Services Utility Distribution & Collection System Engineering Services Resolution No. R2020-1898 Contract Dated December 15, 2020

Project Title: Belle Glade Water Main Improvements; SE Zone 4 Water System Replacement Project

PBCWUD Project No.: 21-033

- 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 December 15, 2020 which remains in full force and effect.
- 7. All Attachments to this Authorization are incorporated herein and made a part of this Consultant Services Authorization.

CONSULTANT SERVICES AUTHORIZATION NO. __1_

Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services
Utility Distribution & Collection System Engineering Services
Resolution No. R2020-1898 Contract Dated December 15, 2020

Project Title: Belle Glade Water Main Improvements; SE Zone 4 Water System Replacement Project PBCWUD Project No.: 21-033 IN WITNESS WHEREOF, this Authorization is accepted, subject to the terms, conditions and obligations of the aforementioned Contract. PALM BEACH COUNTY, A POLITICAL SUBDIVISION OF THE STATE OF FLORIDA Joseph Abruzzo, Clerk of the Circuit Court Palm Beach County, Board & Comptroller, Palm Beach County of County Commissioners ATTEST: Signed: Signed:_ Dave Kerner, Mayor Jes Typed Name: (Date) Deputy Clerk CONSULT ANT: Keshavarz & Associates, Inc. Approved as to Form and Legal Sufficiency Signed: (Signa/tu Amir Keshavarz, P.E., Senior Project Manager Typed Name: Michael W. Jones (Name and Title) **County Attorney** 7021 (Date) STATE OF FLORIDA COUNTY OF PALM BEACH The foregoing instrument was acknowledged before me by means of \$\sqrt{2}\$ physical presence or \$\sqrt{2}\$ online day of rebourn by . Amir Keshavarz, P.E. who is I personally known to me or ☐ has produced identification.

DEBORAH L. FULGENZI
Notary Public – State of Florida
Commission # GG 175704
My Comm. Expires Jan 28, 2022
Bonded through National Notary Assn.

(Signature of Notary Public - State of Florida)

Deborah L. Fulgenzi

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



October 22nd, 2020

Palm Beach County Water Utilities Department 8100 Forest Hill Boulevard West Palm Beach, FL 33413

Reference: Utility Distribution & Collection System Engineering Services

WUD 19-082

To whom it may concern,

We are hereby designating Amir Keshavarz, P.E. as an authorized signer associated with the contract for Utility Distribution & Collection System Engineering Services and any associated Consultant Service Authorizations and invoices that may fall under this agreement.

Thank you.

Respectfully,

Mark A. Williams, P.E. Senior Vice President

CONSULTANT SERVICES AUTHORIZATION NO. __1___

Palm Beach County Water Utilities Department Contract for Consulting/Professional Services Utility Distribution & Collection System Engineering Services Resolution No. R2020-1898 Contract Dated December 15, 2020

LIST OF ATTACHMENTS

ATTACHMENT A Scope of Services

ATTACHMENT B Summary and Status of Consultant Services Authorizations

ATTACHMENT C OEBO Schedules 1 and 2

ATTACHMENT D Project Schedule

ATTACHMENT E Budget Summary

ATTACHMENT F Summary of SBE-M/WBE Business Tracking

ATTACHMENT G Location Map

ATTACHMENT A

SCOPE OF SERVICES

PBCWUD Project No.: 21-033

Project Title: Belle Glade Water Main Improvements; SE Zone 4 Water system Replacement Project

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 2015 one such study was performed for "South East Zones 4 & 6". A portion of this 2015 study area has been identified for the subject improvements and is referred to by PBCWUD as South East (SE) Zone 4. The 2015 study recommended improvements throughout SE Zone 4, which have been recently reviewed with PBCWUD Engineering and O&M to add, reduce, and/or otherwise update the recommended infrastructure improvements based on information that's become available since 2015. Sources of the information are PBCWUD, Florida Department of Transportation (FDOT), the City and PBCWUD consultants who have completed or are currently working on improvement projects in the area. This infrastructure improvement/replacement project is focused on enhancing overall system reliability, replacing aged water mains and services, converting rear-lot water services and meters, addressing persistent O&M challenges, as well as improving system interconnectivity and fire protection throughout SE Zone 4.

SCOPE OF SERVICES:

Under this Consultant Services Authorization (CSA), Keshavarz & Associates, Inc. (CONSULTANT) shall perform the Engineering-related services necessary to prepare detailed drawings for construction of infrastructure improvements within SE Zone 4 in accordance with PBCWUD's Minimum Engineering and Construction Standards, as well as all applicable permitting agency regulations. These services include surveying, subsurface utility exploration, geotechnical exploration, public engagement assistance, project management, design, permitting, contract award assistance and easement assistance services.

The subject triangular-shaped geographic area in the City referred to as SE Zone 4 is approximately 43 acres in size and is described as: south and west of East Canal Street S (the Hillsborough Canal); east of North Main Street (SR 80); and north of Dr. Martin Luther King Jr. Boulevard (SE Avenue E). The SE Zone 4 water main improvement area includes improvements throughout the above-described geographic area, as well as 2,900 linear feet (LF) of improvements within SR 80 from W. Avenue A to SE Avenue G, FDOT Right-of Way (R/W), 5,800 LF of improvements within East Canal Street S. from SR 80 to SE Avenue G, Palm Beach County Engineering and Public Works – Land Development Division (PBCLD) & FDOT R/W, and 2,500 LF of improvements within SE Avenue E from SR 80. to E. Canal St. S. (FDOT R/W).

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The services provided under this CSA are related to approximately 17,500 LF of water and wastewater infrastructure improvements as summarized (figures are approximate).

- An approximate combined total of 16,700 LF of new water main installation and removal/replacement of existing water main comprising of:
 - 12,400 LF of removal/replacement of existing water mains
 - 4,300 LF of new water mains
- Replacement and/or relocation of existing water services currently serving 153 PBCWUD customers, specifically:
 - Replacement of 122 existing water services
 - Relocation of 31 existing rear-lot water services and meters to the RW
- Removal/replacement of 800 LF of existing sanitary gravity main including the reconnection of 21 affected existing sanitary laterals in-place
- Removal/replacement of two (2) existing sanitary manholes
- Replacement of affected existing fire hydrants and addition of eight (8) new fire hydrants as required
- Replacement of affected existing valves and addition of new valves as required by PBCWUD
- Coordination with PBCWUD towards the strategic placement of three (3) new potable water system pressure and flow monitoring devices to be installed per details as provided by PBCWUD.

The following services will be provided by the CONSULTANT:

Task 1. Preliminary Design Services

1.1. Project Management, Research, Project Orientation and Kick-off:

The CONSULTANT shall actively manage its and sub-consultant personnel towards the successful execution of PBCWUD's project scope.

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

The CONSULTANT shall conduct a project kick off meeting with PBCWUD. CONSULTANT shall chair this meeting, and generate agenda and provide meeting summary.

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 SBE-M/WBE requirements.

1.2. Preliminary Meetings and Coordination with Regulatory Agencies:

CONSULTANT shall coordinate, and if necessary set up and attend meetings, with representatives of the City, FDOT, South Florida Water Management District (SFWMD), United States Army Corps of Engineers (USACE), various Palm Beach County engineering departments and divisions, Palm Beach County Fire Rescue (PBCFR), and Palm Beach County Health Department (PBCHD) to preliminarily discuss and determine the necessary permitting conditions, constraints and considerations related to this project.

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The CONSULTANT shall also coordinate with the above-mentioned PBC Departments regarding any anticipated PBC improvement projects that may coincide or conflict with the subject PBCWUD project. The CONSULTANT shall discuss and explore project cost-sharing possibilities between PBCWUD and any other PBC Departments overlap. Work examples when cost sharing may be possible include: roadway resurfacing, sidewalk improvements, bike lane additions, and streetlight improvement projects.

The CONSULTANT shall meet, coordinate, correspond and exchange data relevant to this project with any requesting entity throughout the design, permitting and bid assistance stages of this project in a good faith effort to promote collaboration benefitting the residents of Palm Beach County (PBC) and the customers of PBCWUD.

In addition, during the Preliminary Design Stage of the project, the CONSULTANT shall coordinate directly with the PBCHD to confirm the assumption that the proposed sanitary replacements will not require a Florida Department of Environmental Protection (FDEP) Wastewater permit.

The CONSULTANT is not responsible for possible delays resulting from changes to the regulatory process and construction standards of the governing agencies during the design and permitting phases of this project.

This task does not include the CONSULTANT's ongoing general coordination assistance with the City's in-house consultant regarding the status, limits and anticipated scheduling of the City's FDOT-funded resurfacing projects and/or other upcoming improvement projects that may coincide or conflict with this project (See Supplemental/Hourly Services No. 1).

1.3. 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 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 for insight on any consistent challenges 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, to obtain this information or to review any additional concerns that arise during this project's duration. This task also includes coordination with O&M or other PBCWUD staff in soliciting input from the field, field crews, Inflow & Infiltration (I&I) teams, etc.

1.4. Utility Coordination:

The CONSULTANT shall identify all pertinent dry utility providers (electric, gas, phone, cable, traffic signal systems, etc.) within the project area by means of contacting "811 No-cuts". The CONSULTANT shall then prepare exhibits showing the proposed improvements and distribute request for existing facilities/data to these dry utility providers' facilities. The CONSULTANT shall coordinate and track the responses from the utility providers, incorporating the results onto the construction plans. 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.

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

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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.

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. Assumptions:

- All record drawings for the existing water and wastewater facilities within the design corridor will be provided by PBCWUD, if available. The CONSULTANT will consider these Record Drawings to be accurate and complete.
- 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, the
 CONSULTANT will be responsible for notifying PBCWUD in a timely manner and providing any
 necessary data to PBCWUD to perform the hydraulic modeling in-house, and to provide the
 CONSULTANT with the results.
- 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 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 when
 required for permitting. It is assumed that plan and profile views will only be prepared where
 improvements are within a SFWMD or PBC 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.
- The CONSULTANT may choose to not provide profile views directly beneath plan views on each sheet. In this instance, profile views will be provided as multiple profiles on a set of construction plan sheets following the plan view sheets, unless specifically required otherwise by the R/W owner.
- PBCWUD wishes to replace the existing fire hydrants within the water main replacement project limits. 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 PBCFR requirements.
- PBCWUD does not wish to replace or relocate any existing front-lot single water meter boxes, or replace an existing pair of single water meter box with a 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. 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.
- It is assumed that the existing sanitary gravity system including the existing two (2) manholes, will be removed and replaced in-place.

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- It is assumed that the replacement gravity sanitary main will be replaced at a lower depth in
 order to improve the existing sub-standard slopes, and that all existing sanitary service laterals
 will be reconnected to the lowered gravity sanitary main at their existing points of connection
 only, by use of modified wye and service-to-main connection piping/fittings.
- It is assumed that the locations of proposed potable water system pressure and flow monitoring devices will be coordinated with PBCWUD staff based on a collectively agreeable set of design outcome goals and success factors regarding the placement within the greater potable water system.
- Prior to the 60% design stage beginning, it is assumed that all relevant/applicable details, specifications, design considerations and criteria related to the potable water system pressure and flow monitoring devices are provided by PBCWUD, include but are not limited to, details for each device being considered for installation, below-ground assembly/structure requirements, above-ground clearance requirements, service and maintenance access criteria.
- It is assumed that the potable water system pressure and flow monitoring devices that are included in the CONSULTANT's construction plans are to be installed per the details and specifications as provided by PBCWUD.
- Construction of the proposed improvements is to be phased in order to minimize access interruptions and reduce the size of areas left unrestored during construction. The construction plans will be prepared with phasing in mind, which will ultimately be reflected on phasing plan sheets and phasing notes within the construction plans.
- Assistance to Foresight Communications & Consulting, Inc. (Foresight), PBCWUD's public outreach consultant, is included in this CSA on an as needed basis where it relates to notifying and educating the property owners affected by the subject improvements (See Supplemental/Hourly Services No.1).

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, InfraMap Corp. (InfraMap) and the Geotechnical Sub-Consultant, Tierra South Florida, Inc. (Tierra) on a continual basis to schedule their respective services as needed in a timely manner.

The CONSULTANT shall prepare and provide utility scanning and soft dig exhibits to InfraMap to request the required work. InfraMap 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; and to acquire vertical elevations, confirm tie-in locations, navigate critical crossings, etc. The CONSULTANT shall prepare exhibits to provide to InfraMap depicting the location of the areas needing additional information for design purposes, whether via scanning or soft digs.

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

The CONSULTANT shall provide both InfraMap and Tierra with all available system information assembled in coordination with PBCWUD and utility providers at the time of the requested SUE and Geotechnical activities. InfraMap and Tierra shall be individually responsible for performing all

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necessary activities prior to performing their respective work, such as but not limited to calling "811 No-cuts".

While not included in this task, the CONSULTANT shall also coordinate with the City and/or their inhouse 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 FDOT and 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 to a pre-coordinated representative from the appropriate regulatory agency (See Supplemental/Hourly Services No.3).

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 InfraMap 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 17,500 LF of the following roadways:

- South Main Street from West Avenue A to SE Avenue G
- SE 1st Street from East Canal Street South to SE Avenue E
- SE 2nd Street from East Canal Street South to SE Avenue E
- SE 3rd Street from East Canal Street South to SE Avenue E
- SE 4th Street from East Canal Street South to SE Avenue E
- SE Avenue B from South Main Street to East Canal Street South
- SE Avenue C from South Main Street to SE 3rd Street
- SE Avenue D from South Main Street to SE 2nd Street
- East Canal Street South from West Avenue A to SE Avenue G
- SE Avenue E from South Main Street to East Canal Street South

All of the above described routes shall have their R/W lines and property/lot line limits depicted based on information from a combination of recorded plats and/or deeds available on the Clerk of Court's Official Records web page or by Title Search. 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.

The CONSULTANT shall review and draft the results of up to three (3) Title Searches and draft up to three (3) proposed utility easement sketches and legal descriptions (See Supplemental/Hourly Services No.2).

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.

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2.4 Topographic Survey Corridors:

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 clean outs, 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 storm water 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 just beyond the R/W lines as deemed necessary by the CONSULTANT. The acquired field data will be reflected on the construction plans as referenced.

Available information on existing potable water and sanitary sewer mains (where applicable) will be provided by PBCWUD in the form of Record Drawings for field verification, as applicable and if possible, during topographic data acquisition efforts. Dry utility facilities locations (Florida Power & Light Company, AT&T Inc., Comcast Corporation, etc.) will be noted with paint marked by other. These locations will 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 and sanitary gravity mains or manholes that are to remain.

These plans shall include all existing utilities as acquired during the survey acquisition phase, the results of the utility coordination and 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. 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 soft dig 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 on the profile view plan sheets 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.

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2.8 Preparation of Engineer's Opinion of Probable Construction Cost (OPCC):

Upon completion of the 60% and 90% design submittal, the CONSULTANT shall prepare an engineer's OPCC roughly in the format of the ultimate Bid Tabulation (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% 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.

Task 3. <u>Permitting Services with Regulatory Agencies for Proposed Infrastructure Replacements</u>

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

- City
- SFWMD (R/W Permit)
- PBCLD (Utility Permit)
- FDOT (Utility Permit)
- PBCFR (Fire Protection)
- PBCHD (water distribution system improvements)

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.

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 additional Requests for Information (RFI) from each regulatory agency.
- Provide PBCWUD with one (1) set of approved 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.

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- Associated permit application fees shall be determined by the regulatory agencies in coordination with the CONSULTANT and will be paid by PBCWUD.
- It is assumed that the L-14 Canal is considered a "levee system" canal by SFWMD and thus is under the shared oversight with the USACE. Due to this shared authority related to the "L-14 Levee R/W" it is assumed that the CONSULTANT will have to submit the proposed infrastructure improvements within East Canal Street South to the USACE for a 408 permit review simultaneous to submitting to SFWMD for an R/W permit. Beyond the preliminary permitting and regulatory agency coordination performed by the CONSULTANT under Task 1.2, all meetings, correspondence, submittals and permitting services related to the anticipated USACE 408 permitting review process shall be provided under Supplemental/Hourly Services No.6.

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) publically 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 Tab, Summary of Pay Items:

Upon notice of securing permit approvals, providing PBCWUD with the bid set of construction plans, and 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 feedback and recommended revisions related to the front end documents within one (1) week of receipt, to be considered and ultimately decided by PBCWUD with the input of any appropriate PBC Department as required.

The CONSULTANT shall generate a 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. The CONSULTANT shall draft the Summary of Pay Items/Measurement & Payment Section to match the provided Bid Tab. 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 PAGE 9 OF 15 Revised 02/11/2021

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 which are not known by the CONSULTANT.

All drafted Technical Specifications will 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.

4.3 Pre-Bid and Bid Opening Meeting Attendance:

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. PBCWUD is to conduct the Pre-Bid meeting and 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 relevant information, answer questions posed by the prospective bidders at the meeting and/or assist PBCWUD in drafting the Pre-Bid meeting addendum if requested by PBCWUD.

Similarly, the CONSULTANT shall coordinate directly with PBCWUD staff regarding attendance of the project's scheduled Bid Opening meeting. Any representative of the CONSULTANT firm involved in the design of the project may attend the Bid Opening.

If a site visit is conducted in lieu of a Pre-Bid meeting, the CONSULTANT shall make similar arrangements to attend. Should both a site visit and a Pre-Bid meeting be deemed necessary by PBCWUD during the public bid process, the CONSULTANT may choose to attend both in lieu of attending the Bid Opening, upon approval by PBCWUD. CONSULTANT shall respond to Contractor RFI and Addendum Issuance Assistance to PBCWUD.

4.4 Respond to Contractor RFI 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 RFI and general questions from prospective Bidders will be compiled by PBCWUD and the CONSULTANT and answered by addendum(s) as necessary. The CONSULTANT shall provide additional information or supplemental information 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 Lowest Three (3) 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 Equal Business Opportunity (OEBO) to provide a calculation/decision on any required adjustments to the rankings of the three (3) lowest Base Bidders as required per applicable Local, Small and Minority 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 OEBO.

The CONSULTANT shall review the compiled bid results and verify responsiveness of the lowest bidder(s) bid packages by first verifying the provided facts. The CONSULTANT 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 (3) lowest base bidders. The CONSULTANT shall take notes

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on the conversations with responsive references in order to summarize these communications and resulting assessment of the applicability of the lowest three (3) 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, bringing any significantly unusual unit prices to PBCWUD's attention. 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.

Following the evaluation of the three (3) 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.

Task 5. Supplemental / Hourly Services

5.1 <u>Assistance Towards Public Engagement / Coordination for Temporary and Permanent Easements (with Foresight):</u>

The CONSULTANT shall assist Foresight efforts to communicate with and educate the property owners affected by this project's improvements. The CONSULTANT shall prepare exhibits to be provided to Foresight 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 Foresight 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 Foresight to submit to the property owners, and shall make every reasonable attempt to assist Foresights' efforts to provide informed answers to affected property owner's submitted or communicated questions.

All utilized public outreach exhibits produced by the CONSULTANT shall be included in the Final Deliverables as requested by PBCWUD staff.

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 inhouse consultant, to keep current on the 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 entity's 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 PAGE 11 OF 15 Revised 02/11/2021

City Resurfacing project information and the potential impacts to this project's improvements. The review is not related to other and/or future PBCWUD projects. Generating exhibits related to this data is not included in this CSA; exhibits can be provided via supplement to this CSA upon request with 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.

5.2 <u>Title Search Coordination and Review; Sketch and Legal Preparation for Permanent Easements</u>:

Based on the CONSULTANT's current understanding of this project's scope, it is reasonable to anticipate a need for Title Search services, as well as Sketch and Legal preparation services related to necessary permanent utility easements. The extent to which these services will be required cannot currently be determined.

This CSA includes the following services related to coordinating and reviewing a Title Search performed on one (1) property, and the corresponding sketch and legal description services for one (1) permanent utility easement. This baseline assumption will allow PBCWUD and the CONSULTANT to easily and efficiently scale-up these efforts and services as necessary to meet the needs of the project via Supplement to this CSA, upon request and approval by PBCWUD.

Upon request and approval by PBCWUD, the CONSULTANT shall coordinate to have Title Search services performed as a direct expense and invoiced by a PBCWUD-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 of any permanent utility easements necessary per PBCWUD Utility standards for official recordation. Currently, it is assumed that each utility easement will require a separate sketch and legal description prepared. The CONSULTANT shall also coordinate with PBCWUD, Foresight and any applicable private property owners to provide the digital sketch and legal description document for review and execution prior to recordation by PBCWUD.

All Sketch and Legal Descriptions produced by the CONSULTANT shall be included in the Final Deliverables as requested by PBCWUD staff. All Title Search results shall be included in the Final Deliverables if requested by PBCWUD staff.

5.3 Permitting and Notification Coordination for Sub-Consultant Efforts (As Needed):

Should FDOT, PBCLD, or the City require a R/W permit or MOT Application be submitted for work by the SUE or Geotechnical sub-consultants within their respective R/Ws, 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 and submit necessary applications with all required information for permission to perform geotechnical soil borings and/or SUE activities within the FDOT R/W. If necessary, the CONSULTANT shall accompany the sub-consultants to one (1) meeting with

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the local FDOT office to discuss submittal requirements for approval to perform exploratory work within the R/W. The Sub-consultants shall track the permit review and approval progress, and respond to additional RFI that must be provided for approval. This assumes the sub-consultants will provide all necessary information for the subject FDOT Utility Permit Application and will be responsible for any close-out requirements.

For PBCLD, the sub-consultants shall prepare one (1) MOT Application each, if required, and submit it to Palm Beach County Engineering and Public Works – Traffic Division (PBCTD) related to the performance of geotechnical soil borings and SUE activities within PBC R/W. The sub-consultant shall track the permit review and approval progress, and respond to additional RFI. This assumes the sub-consultants will provide all necessary accompanying information for the subject MOT Application and will be responsible for all close-out requirements.

For the City, 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 a permit(s) is required, for the sub-consultants' work. The sub-consultants will provide all required information for the subject R/W permit.

Under this task, the CONSULTANT shall also notify FDOT, PBCLD and the City via call or in writing of the approximate scheduling for geotechnical and SUE activities.

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

It is assumed that no notice or applications are required for sub-consultant's work within the FDOT and PBC R/W that is also shared with SFWMD and/or the USACE.

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

5.4 Subsurface Utility Exploration (InfraMap): (Proposal included in Attachment "E")

InfraMap shall scan the limits of specific strategic areas within the project limits using GPR and other methods, as described in their proposal, to identify the approximate horizontal location of wet and dry utilities. Located utilities 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 fifteen (15) days of scanning are included in this CSA. InfraMap's proposal also includes mileage expenses, and as needed administrative fees.

InfraMap 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 fifty-five (55) soft digs to a depth of six (6) feet are included with this CSA.

InfraMap'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 MOT measures are covered under InfraMap's proposal. If the requested utilities are deeper than six (6') feet, InfraMap'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, InfraMap will prepare and submit the applications for approval by the R/W owner.

5.5 Geotechnical Exploration (Tierra): (Proposal included in Attachment "E")

The Geotechnical Sub-consultant (Tierra) shall acquire nineteen (19) SPT borings to a depth of six

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(6) feet below the surface, ten (10) SPT borings to a depth of ten (10) feet below the surface, and ten (10) 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 Tierra 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 onto a dedicated construction plan sheet of the construction drawings for reference by the contractor.

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

5.6 Correspondences. Meetings. Submittals. and Other Permitting Services for USACE 408 Permit (As Needed):

The CONSULTANT has been advised by SFWMD that the L-14 Canal is considered a "Levee System" canal and thus is under the shared authority oversight with the USACE. Due to this shared authority related to the "L-14 Levee R/W" it is assumed that the CONSULTANT will have to submit the proposed infrastructure improvements within East Canal Street South to the USACE for a 408 Permit review simultaneous to submitting to SFWMD for an R/W permit.

The CONSULTANT shall correspond with USACE's representative at SFWMD or the appropriate office towards submitting for a 408 permit review. The extent of this permit review is currently unknown, thus these services are being provided as hourly supplemental services to be invoiced as they are performed to the extent necessary to satisfy the USACE 408 Permit submittal requirements.

Deliverables

A summary of the project documents to be provided as deliverables includes:

- 1. Photos and/or videos of the site visits will be provided digitally;
- 2. Utility location exhibits provided by the utility providers will be provided in an electronic format and hard copies;
- 3. Meeting summaries from the kickoff meeting, and design review workshops will be provided digitally;
- 4. Two (2) 24" x 36", one (1) 11"x17" sets of the 60% design plans;
- 5. One (1) copy of the 60% OPCC (within one week of design submittal);
- 6. Two (2) 24" x 36", one (1) 11"x17" sets of the 90% design plans;
- 7. One (1) copy of the 90% OPCC (within one week of design submittal);
- 8. Four (4) 24" x 36" and two (2) 11"x17", signed and sealed, sets of the 100% design plans and specifications with two (2) hard copies of the Final OPCC;
- 9. One (1) Compact Disc (CD) containing copies of all permit applications and correspondence with permitting entities;
- 10. "Permit Book", including a hard copy of all acquired permits and a summary of all permits with expiration dates;
- 11. Copies of the SUE scanning and soft dig results will be provided digitally;
- 12. One (1) signed and sealed copy of the Geotechnical Engineer's report and one (1) digital copy of same;
- 13. Four (4) signed and sealed hard copy legal descriptions and sketches;

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- 14. Digital copies of any title searches performed;
- 15. Microsoft word and PDF copies of Technical Specifications & Addendum prepared; and
- 16. One (1) CD containing all digital Final deliverables, AutoCAD files, PDFs, etc.

ATTACHMENT B

SUMMARY AND STATUS OF CONSULTANT SERVICES AUTHORIZATIONS

					SBE Total	SBE	Арр	roved
Auth. No.	PBCWUD Project No.	Title	Status	Project Total Amount	Amount	Participation %	Ву	Date
1	21-033	Belle Glade Water Main Improvements; SE Zone 4 Water System Replacement Project	Pending	\$571,537.68	\$496,050.00	86.79%	ВСС	Pending
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ATTACHMENT C

OEBO SCHEDULE 1

Office of Equal Business Opportunity Compliance Programs

				OEBO	SCHEDULE 1	Í			
		ade Water N	Jain Improvements:	SE Zone 4	T AND SUBCONTRAC	TOR/SUBCONSUL TION/PROJECT/BI			
	NAME OF PRIME RESPONDENT/BIDDER: Kee				ADDRESS	711 N. Dixie High	vay, Suite 201, V	Vest Palm Beach, FL 3	
	CONTACT PERSON: Amir Keshavarz, P.E.					O.: (561) 689-8600			shavarz.com
		2/23/2021				/IENT: Palm Beach (
	SOLICITATION OPENING/SUBMITTAL DATE:				_ DEPARTN	MENT: Lam Beach	Journey Water Offi	nites Department	
Anger, man man man de provincia de la composición del composición de la composición de la composición del composición de la composición del composición de la composición del composición del composición de la composición del composición del composición del composición del composición del composición	PLEASE LIST THE DOLLAR AMOUNT OF PLEASE ALSO LIST THE DOLLAR AMOUNT OF PROJECT.								
		(Che <u>Non-SBE</u>	ck all Applicable Cate M/WBE	SBE		DOLLAR AMO	UNT OR PERCEN	TAGE OF WORK	
autiliagos spinoro de de	Name, Address and Phone Number		Minority/Women Business	Small Business	Black	Hispanic	Women	Caucasian	Other (Please Specify)
	 Keshavarz & Associates, Inc. 711 N. Dixie Hwy, #201, West Palm Beach, FL 33401 (561) 689-8600 			✓			-		\$ 496,050.00 (Asian)
	 InfraMap Corp. 1860 Old Okeechobee Rd, #201, West Paln Beach, FL 33409 (561) 586-0790 	1						\$ 57,913.68	
	3. Tierra South Florida, Inc. 2765 Vista Parkway #10, West Palm Beach, FL 33411 (561) 687-8536	✓							\$ 17,574.00 (Asian)
	4.								
	5.								
	(Please use additional sheets if necessary)			Total				\$ 57,913.68	\$ 513,624.00
	Total Bid Price \$ 571,537.68			Total SBI	E - M/WBE Participation _	\$496,050.00			(Asian)
	I hereby certify that the above information is accurate	to the best o	f my knowledge:		HIS			Amir Keshavarz, P.E.,	Senior Project Manage
Mean Monotonia antariorio				L	Signature				Title
	Note: 1. The amount listed on this form f 2. Firms may be certified by Palm B category.								

3. Modification of this form is not permitted and will be rejected upon submittal.

ATTACHMENT C

OEBO SCHEDULE 2

Office of Equal Business Opportunity Compliance Programs

OEBO LETTER OF INTENT – SCHEDULE 2

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

any tier) and should be treated as such. The Schedule 2 shall contain bolded language indicating that by signing the Schedule 2, All Subcontractors/subconsultants, including any tiered both parties recognize this Schedule as a binding document. Subcontractors/subconsultants, must properly execute this document. Each properly executed Schedule 2 must be submitted with SOLICITATION/PROJECT NUMBER: PBCWUD 21-033 SOLICITATION/PROJECT NAME: Belle Glade Water Main Improvements; SE Zone 4 Water System Replacement Project Prime Contractor: Keshavarz & Associates, Inc. Keshavarz & Associates, Inc. (Check box(s) that apply) Date of Palm Beach County Certification (if applicable): ☑SBE □WBE ☑MBE ☐ M/WBE ☐ Non-S/M/WBE The undersigned affirms they are the following (select one from each column if applicable): Column 1 Column 2 Column 3 ☑ Male ☐ Female ☐ African-American/Black ☐ Asian American ☐ Caucasian American □ Supplier ☐ Hispanic American ■Native American S/M/WBE PARTICIPATION - S/M/WBE Primes must document all work to be performed by their own work force on this form. Failure to submit a properly executed Schedule 2 for any S/M/WBE participation may result in that participation not being counted. Specify in detail, the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. S/M/WBE credit will only be given for the areas in which the S/M/WBE is certified. A detailed proposal may be attached to a properly executed Schedule 2. **Item Description Unit Price** Quantity/ Contingencies/ Total Price/Percentage Line Units Item **Allowances** 1 Engineering / Surveying \$ 491,850.00 2 Reimburseable Expenses 4,200.00 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: \$\$496,050.00If the undersigned intends to subcontract any portion of this work to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 2. N/A Price or Percentage: _ Name of 2nd/3rd tier Subcontractor/subconsultant Keshavar & Associates, Inc. Keshavarz & Associates, Inc. Print Name Print Name of Su contractor/subconsultant Authorized Signature **Authorized Signature** Amir Keshavarz, P.E. Amir Keshavarz, P.E. Print Name Print Name

Senior Project Manager

Revised 09/17/2019

Senior Project Manager

Date:

OEBO LETTER OF INTENT – SCHEDULE 2

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

both parties recognize this Schedule as a binding document. All Subcontractors/subconsultants, including any tiered Subcontractors/subconsultants, must properly execute this document. Each properly executed Schedule 2 must be submitted with the bid/proposal. SOLICITATION/PROJECT NUMBER: PBCWUD 21-033 SOLICITATION/PROJECT NAME: Belle Glade Water Main Improvements; SE Zone 4 Water System Replacement Project Prime Contractor: Keshavarz & Associates, Inc. Subcontractor: InfraMap Corp. (Check box(s) that apply) □SBE □WBE □MBE ☐M/WBE ☑Non-S/M/WBE Date of Palm Beach County Certification (if applicable): The undersigned affirms they are the following (select one from each column if applicable): Column 1 Column 2 Column 3 ☑Male ☐ Female ☐ African-American/Black ☐ Asian American ☐ Caucasian American □Supplier ☐ Hispanic American ☐ Native American S/M/WBE PARTICIPATION - S/M/WBE Primes must document all work to be performed by their own work force on this form. Failure to submit a properly executed Schedule 2 for any S/M/WBE participation may result in that participation not being counted. Specify in detail, the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. S/M/WBE credit will only be given for the areas in which the S/M/WBE is certified. A detailed proposal may be attached to a properly executed Schedule 2. Item Description Unit Price Quantity/ Line Contingencies/ **Total Price/Percentage** Units Item Allowances Subsurface Utility Engineering - Targeting \$ 26,169.33 Subsurface Utility Engineering - Test Hole Services 2 \$ 31,744.35 The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: \$57,913.68If the undersigned intends to subcontract any portion of this work to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 2. N/A Price or Percentage: _ Name of 2nd/3rd tier Subcontractor/subconsultant Keshavarz & Associates, Inc. InfraMap Corp. Print Name of Print Name of Subcontractor/subconsultant **Authorized Signature** Authorized Signature Amir Keshavarz, P.E. Andres Garcia Print Name Senior Utility Location Manager Senior Project Manager

Revised 09/17/2019

2/24/2021

Date:

OEBO LETTER OF INTENT - SCHEDULE 2

A completed Schedule 2 is a binding document between the Prime Contractor/consultant and a Subcontractor/subconsultant (for any tier) and should be treated as such. The Schedule 2 shall contain bolded language indicating that by signing the Schedule 2, both parties recognize this Schedule as a binding document. All Subcontractors/subconsultants, including any tiered Subcontractors/subconsultants, must properly execute this document. Each properly executed Schedule 2 must be submitted with the bid/proposal. SOLICITATION/PROJECT NUMBER: PBCWUD 21-033 SOLICITATION/PROJECT NAME: Belle Glade Water Main Improvements; SE Zone 4 Water System Replacement Prime Contractor: Keshavarz & Associates, Inc. Subcontractor: Tierra South Florida, Inc. (Check box(s) that apply) Date of Palm Beach County Certification (if applicable): n/a □SBE □WBE □MBE □M/WBE ☑Non-S/M/WBE The undersigned affirms they are the following (select one from each column if applicable): Column 1 Column 2 Column 3

S/M/WBE PARTICIPATION — S/M/WBE Primes must document all work to be performed by their own work force on this form. Failure to submit a properly executed Schedule 2 for any S/M/WBE participation may result in that participation not being counted. Specify in detail, the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. S/M/WBE credit will only be given for the areas in which the S/M/WBE is certified. A detailed proposal may be attached to a properly executed Schedule 2.

☐ Hispanic American

☑Male □ Female

☐ African-American/Black ☑ Asian American ☐ Caucasian American

☐Native American

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
1	6.01 - Geotechnical Engineering Services				\$ 17,574.00

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: \$ 17,574.00

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

1	
Keshavarz & Associates, Inc.	Tierra South Florida, Inc.
Print Name of Prime	Print Name of Subcontractor/subcons
By:	Ву:
Authorized Signature	Authorized Signature
Amir Keshavarz, P.E.	Rajan Krishnasamy, P.E.
Print Name	Print Name
Senior Project Manager	President
Title	Title
Date: 2/24/2021	Date: 2/24/2021

Revised 09/17/2019

□Supplier

ATTACHMENT D

PROJECT SCHEDULE

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

Enginee	ring Se	<u>Completion Dat</u>	e from Notice to Proceed
			(Calendar Days)
Task 1	Prelii 1.1 1.2 1.3 1.4	minary Design Services Project Management, Research, Project Orientation and Kick-off Preliminary Meetings and Coordination with Regulatory Agencies Field Visits and Coordination with O&M Staff Utility Coordination	480 180 225 90
Task 2	2.1 2.2 2.3 2.4 2.5 2.6 2.7 2.8	structure Replacement Surveying and Design Services Coordination with Subsurface Utility Engineering (SUE) and Geotechnical Engineering Sub-Consultants for Field Investigations Field Acquisition of SUE Efforts and Depiction of Results on Construction Route Survey Topographic Survey Corridors 60% Design Stage 90% Design Stage 100% / Final Design Stage Preparation of Engineer's Opinion of Probable Construction Cost (OPC)	180 180 200 270 330
Task 3	Pern	nitting Services with Regulatory Agencies for Proposed Infrastructure Repla	acements 360
Task 4	Bidd	ing Support Services	480

480

TOTAL ANTICIPATED DURATION

ATTACHMENT E

Palm Beach County Water Utilities Department

Contract for

Consulting/Professional Services Utility Distribution & Collection System Engineering Services

Resolution No.: R2020-1898

Contract Dated: December 15, 2020

Construction Service Authorization:

Consultant:

Keshavarz and Associates, Inc.

Project Name:

Utility Rehabilitation for the City of Belle Glade Project Zone 4 21-033

WUD Proj	ect No.:	Zone 4 21-033													
					L	abor Classification	n & Hourly R	ate				1			
Task		Project Director /Principal (\$/hr) \$72.00	Senior Project Manager (\$/hr) \$70.00	Senior Project Engineer / Senior Surveyor (\$/hr) \$56.00	Survey Crew (\$/hr) \$50.00	Construction Project Representative (\$/hr) \$45.00	Project Engineer / Project Surveyor (\$/hr) \$42.00	GIS / CADD Specialist (\$/hr) \$38.00	Utility / Permit Coordinator (\$/hr) \$30.00	Contract Administrator (\$/hr) \$30.00	Clerical (\$/hr) \$20.00	Consultant Total	Consultant Final Total Amount	Sub Consultant Services	Consultani
Number	Task Description		<u> </u>						<u> </u>			Hours	per Task	Corp.	Total
1	Preliminary Design Services														
1.1	Project Mangement, Research, Project Orientation and Kick-off	52	80	52			38			110	20	352	\$52,656.00	\$0.00	\$52,656.00
1.2	Preliminary Meeting and Coordination with Regulatory Agencies	8	16	6			10		14		8	62	\$9,096.00	\$0.00	\$9,096.00
1.3	Field Visits and Coordination with O&M Staff	4	12	10			12					38	\$6,576.00	\$0.00	\$6,576.000
1.4	Utility Coordination	11	6	10			14	20	40	8	4	103	\$11,760.00	\$0.00	\$11,760.000
	Subtotal Task 1	65	114	78	0	0	74	20	54	118	32	555	\$80,088.00	\$0.00	\$80,088.00
2	Infrastructure Replacement Surveying and Design	n Services													
2.1	Coordination with Subsurface Utility Exploration (SUE) and Geotechnical Engineering Sub-Consultants for Field Investigations	4	20	12			16	30	6	4	2	94	\$13,536.00	\$0.00	\$13,536.00
2.2	Field Acquisition of SUE Efforts and Depiction of Results on Construction Plans	1	12	14	90		22	32		4	2	177	\$25,488.00	\$0.00	\$25,488.00
2.3	Route Survey	2	8	40	68		12	56		4	6	196	\$27,648.00	\$0.00	\$27,648.00
2.4	Topographic Survey Corridors	1	6	24	220		36	146		4	8	445	\$60,528.00	\$0.00	\$60,528.00
2.5	60% Design Stage	14	66	130		8	80	310	4	10	18	640	\$87,564.00	\$0.00	\$87,564.00
2.6	90% Design Stage	14	46	96		6	62	300	4	8	14	550	\$73,554.00	\$0.00	\$73,554.00
2.7	100% / Final Design Stage	4	16	32			32	76	4	6	10	180	\$23,796.00	\$0.00	
2.8	Preparation of Engineers's Opinion of Probable Construction Cost (OPCC)	2	10	10		12	18	12		2	8	74	\$10,128.00	\$0.00	
	Subtotal Task 2	42	184	358	378	26	278	962	18	42	68	2356	\$322,242.00	\$0.00	\$288,318.00
3	Permitting Services with Regulatory Agencies for	Proposed Infra	structure Repla	cements											
3.1	Permitting Services with Regulatory Agencies for Proposed Infrastructure Replacements	12	24	36			40	62	80	8	22	284	\$35,028.00	\$0.00	\$35,028.00
	Subtotal Task 3	12	24	36	0	0	40	62	80	8	22	284	\$35,028.00	\$0.00	\$35,028.00
4	Bidding Support Services														
4.1	Review Front End Documents, Prepare Project Description, Summary of Work, Bid Tab, Summary of Pay Items	6	12	6		8	4				8	44	\$6,888.00	\$0.00	\$6,888.00
4.2	Preparation of Technical Specifications	8	12	6		8	4				8	46	\$7,320.00	\$0.00	\$7,320.00
4.3	Pre-Bid and Bid Opening Meeting Attendance		2	· · · · · · · · · · · · · · · · · · ·		2	1				1	6	\$876.00	\$0.00	\$876.00
4.4	Response to Contractor RFI and Addendum Issuance Assistance to PBCWUD	4	6	8		8					8	34	\$5,028.00	\$0.00	\$5,028.00
4.5	Review Compiled Bid Results, Verify Bid Package for Lowest Three (3) Bidders, Provide Summary of Findings to PBCWUD	10	16	10		16					16	68	\$10,320.00	\$0.00	\$10,320.00
	Subtotal Task 4	28	48	30	0	42	9	0	0	0	41	198	\$30,432.00	\$0.00	\$30,432.00

5	Supplemental / Hourly Services								
5.1	Assistance Towards Public Engagement / Coordination for Temporary and Permanet Easements (with Foresight)	2	12	4			10	10	
5.2	Title Search Coordination and Review; Sketch and Legal Preparation for Permanent Easements	1	2	4			2	4	
5.3	Permitting and Notification Coordination for Sub Consultant Efforts (As Needed)	2	8	3			2	4	I
5.4	Subsurface Utility Exploration (Inframap Corp.)								Ι
5.5	Geotechnical Exploration (Tierra)								1
5.6	Correspondence, Meetings, Submittals, and Other Permitting Services for USACE 408 Permit	4	16	10			10	18	
	Subtotal Task 5	9	38	21	0	0	24	36	1
									1
	Labor Sub-Total Hours	156	408	523	378	68	425	1080	
	Labor Raw Cost	\$72.00	\$70.00	\$56.00	\$50.00	\$45.00	\$42.00	\$38.00	T
	Labor Multiplier	3	3	3	3	3	3	3	Ī
	Labor Sub Total	\$33,696.00	\$85,680.00	\$87,864.00	\$56,700.00	\$9,180.00	\$53,550.00	\$123,120.00	T
	Consultant Labor Raw Costs per Personnel	\$11,232.00	\$28,560.00	\$29,288.00	\$18,900.00	\$3,060.00	\$17,850.00	\$41,040.00	t
	Consultant Eng. (Fixed Price):							<u> </u>	_
	Consultant Eng. (Not to Exceed Fee):	\$491,850.00							
	Total Consultant Eng. Fee:	\$491,850.00	Utility Distribu Services	ution & Collect	ion System Er	ngineering			
Sub Consu	iltants						-		
Not to Exceed	InfraMap Corp.	\$57,913.68	Subsurface U	Itility Enginerin	ng				
Not to Exceed	Tierra South Florida, Inc.	\$17,574.00	Geotechnical	Engineering					
	Sub consultant Total (Not to Exceed Price):	\$75,487.68					_		
	Reimbursable Expenses (Not to Exceed)	\$4,200.00	Printing, Rep	roduction, Mile	eage]		
	Consultant Labor Total:	\$496,050.00					-		
	Project CSA Total:	\$571,537.68							

\$6,744.00

\$2,286.00

\$4,374.00

\$ \$10,656.00

0

173

3566

19

182

\$20.00

\$15,840.00 \$10,920.00 \$491,850.00

\$5,280.00 \$3,640.00 \$163,950.00

176

\$30.00

170

\$30.00

\$15,300.00

\$5,100.00

\$0.00

\$24,060.00 \$75,487.68 \$99,547.68

\$491,850.00 \$75,487.68 \$533,413.69

\$0.00

\$6,744.00

\$2,286.00

\$4,374.00

\$491,850.00

\$57,913.68 \$57,913.68 \$17,574.00 \$17,574.00 \$0.00 \$10,656.00

ATTACHMENT - E

Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services: Utility Distribution and Collection System Engineering Services
Resolution #R2020-1898 Contract Dated December 15, 2020
Consultant Service Authorization: 1

Consultant: Keshavarz & Associates, Inc.
Project name: Belle Glade Water Main Improvements; SE Zone 4 Water System Replacement Project WUD Project No.: 21-033

Reimbursable / Direct Expenses		Rates
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)	\$	0.565
Bond Copies By Vendor (Billed at Cost - Vendor invoices to be provided when billed)	As Inv	oiced by Vendor
Deliveries / Courier Service By Vendor (Billed at Cost - Vendor invoices to be provided when billed)	As Inv	oiced by Vendor
Title Search By Approved Vendor (Billed at Cost - Vendor invoices to be provided when billed)	As Inv	oiced 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)	20	\$ 1.00	\$ 20.00
3 11" x 17" Prints / Copies (black/white)	69	\$ 0.50	\$ 34.50
4 11" x 17" Prints / Copies (color)	15	\$ 1.00	\$ 15.00
5 24" x 36" Prints / Copies (black/white)	20	\$ 1.50	\$ 30.00
6 24" x 36" Prints / Copies (color)	10	\$ 3.50	\$ 35.00
6 Mileage (in accordance with IRS Rates)	4700	\$ 0.565	\$ 2,655.50
7 Bond Copies By Vendor (Billed at Cost - Vendor invoices to be provided when billed)	1000	Est. Invoiced Cost	\$850.00
Beliveries / Courier Service By Vendor (Billed at Cost - Vendor invoices to be provided when billed)	6	Est. Invoiced Cost	\$240.00
9 Title Search By Approved Vendor (Billed at Cost - Vendor invoices to be provided when billed)	1	Est. Invoiced Cost	\$300.00
Total Projected As Needed Reimburseable Expenses \$4,200.00			\$4,200.00

Attachment E



Date:

February 22, 2021

Presented to:

Keshavarz & Associates

711 North Dixie Highway, Suite 201

West Palm Beach, FL 33401 Phone No.: 561-689-8600

Attn:

Amir Keshavarz, P.E.

Project name:

Belle Glade Water Main Improvements; SE Zone 4 Water System

Replacement; Utility Targeting and Test Hole Services

As requested, InfraMap Corporation (IMC) has prepared this proposal for utility infrastructure investigation services for the above referenced project. This proposal is based upon the best information available to InfraMap regarding site conditions at the time of writing. This proposal does not represent a lump sum fee to perform these services. The proposed fee will not be exceeded without the expressed consent of the client.

Project limits and description: Target utilities (excluding sanitary and storm) within the areas to be chosen by the client. Additionally, perform up to fifty-five (55) test holes. Location of test holes will be chosen by client.

Services to be provided: Utility Targeting and Test Hole services as described in attachments "A" & "B".

Notes: InfraMap does not prepare signed & sealed MOT plans. InfraMap will apply for all necessary FDOT and Palm Beach County right of way permits. Field sketches will be provided to client. Survey to be performed by others.

FEE SCHEDULE

ESTIMATED FEE

Targeting Services Targeting @ \$1,692.37/day Administrative: \$69.78/hr.	# Hours/Units 15 1	<u>\$s</u> \$25,385.55 \$ 69.78
Direct Expenses		

Direct Expenses

Mileage: \$0.56 per mile (IRS rate)

1,275mi

\$ 714.00

TOTAL ESTIMATED FEE

\$26,169.33

 ${\it Complete Utility Infrastructure Surveying \ and \ Mapping \ Since \ 1987}$

<u>Test Hole Services</u> 0' to 6': \$510.45/ea. Contingent feet: \$ 112.00/ft. (Test holes beyond 6' in depth)	<u># Hours/Units</u> 55 9	\$<u>s</u> \$28,074.75 \$ 1,008.00
<u>Direct Expenses</u> Mileage: \$0.56 per mile (IRS rate)	1,190mi	\$ 666.40
Traffic Control (if/as needed) Arrow Board: \$80.00/day Permit: \$180.00 (estimate) Flagger: \$63.45/hr	10 1 16	\$ 800.00 \$ 180.00 <u>\$ 1,015.20</u>
TOTAL ES	STIMATED FEE	\$31,744.35

This estimate is not a lump sum fee and is valid for 90 days. This estimate is good for targeting and test hole services on utilities within the project limits as herein defined, and will not be exceeded without the expressed consent of the client.

PAYMENT TERMS

Terms of payment are subject to modification by seller (InfraMap). Buyer (client) agrees to make prompt payment of invoices due in accordance with Seller's approved terms, whether for complete or partial services. Terms: Net 30 days from completion of work and receipt of invoice. If payment is contingent upon Buyer being paid by a "Third Party" for services, InfraMap Corp. (InfraMap) must be notified immediately of the name and address of the "Third Party". Buyer will submit invoices to the "Third Party" in a timely manner and InfraMap will receive payments from Buyer within 15 days of Buyer being paid. If this is not the case then InfraMap reserves the right to modify this clause to reflect a revised payment schedule.

Late Charge: A late payment service charge equal to 1.5% per month or the maximum charge allowed by applicable law, whichever is lower, shall be assessed on all amounts not paid when due. All accounts are net 30 days unless specifically agreed upon in writing.

Delinquency Collections: In the event Buyer fails to pay for any services when due, or should Buyer's account become otherwise delinquent, or in the event of Buyer's bankruptcy or insolvency, or in the event of Buyer's breach of this Agreement, then in any such event Seller may, at its option: (i) terminate any or all existing contracts; (ii) refuse to perform services under this or any other order; and/or (iii) avail itself of any other further remedies available to it at law or in equity. Buyer agrees to pay all cost of collection, including reasonable attorney's fees.

This service will be provided with due diligence and in a manner consistent with standards of the professional utility infrastructure mapping profession. InfraMap does not guarantee that all existing utility systems can or will be detected. It may not be possible to detect all utilities, such as but not limited to systems that are not depicted on records available to us, and systems rendered undetectable due to unfavorable site conditions. Use of this service does not relieve interested parties from their responsibility to make required notifications prior to excavation. Use of this service does not relieve utility owners of their responsibility to mark the location of their facilities prior to excavation. InfraMap Corp. will not be responsible for damages to utilities caused by others.

Presented by:	Ander Jean	February 17, 2021
	Andres Garcia	Date
	Senior Utility Location Manager	
	InfraMap Corp.	
		,
Accepted:		2/24/2021
•	Authorized Signature	Date

Attachment A

SUBSURFACE UTILITY TARGETING SERVICE SCOPE OF WORK

In the performance of subsurface utility targeting, InfraMap Corp. proposes to:

- 1. Utilize client provided records from utility companies, unless stated as an InfraMap function in the scope statement. Gathered materials will be used as an aid in the identification of the number, identity, size and material of utilities located in the field, and will not be used as a substitute for actual geophysical location unless the system cannot be verified electronically using industry standard techniques for this level of investigation.
- 2. Conduct a thorough electronic search of the site for the buried utility systems shown on records acquired. Also, conduct an electronic grid sweep of the site to search for utilities that do not appear on available records, and attempt to determine type. This investigation will be accomplished using active and passive type utility detection gear that detects induced or naturally occurring energy fields present on conductive utilities. This investigation is not a ground penetrating radar sweep, nor will ground penetrating radar be used, unless specifically requested. The targeting of subsurface utilities, although highly reliable, is expressly understood to represent an approximate location of the target facility as marked on the ground surface. The accuracy of this targeting is subject to certain factors beyond our control such as limitations of available technology and field conditions that may include, but are not limited to: depth of utility, electrical conductivity of utility, site conditions and access. Where nonconductive or nonlocatable utilities are present, we will attempt to use all available information to place targeting in the field for those systems and generate notes for each such utility.
- 3. Technicians will draft field sheets that show the approximate location, trend and configuration of utilities detected if requested by client.
- 4. Field sheets will be provided to the project surveyors. Survey and computer drafting will be performed by others.
- 5. If a part of the scope statement and if the client provides InfraMap with plots of the utility file with referenced topography, InfraMap will provide a final office and/ or field review.

Attachment B

SUBSURFACE UTILITY LOCATING BY AIR/VACUUM TEST HOLE SERVICE

The intent of the proposed test hole service is to provide the actual horizontal and vertical location of existing utilities or structures at the point of interest by air/ vacuum excavation to facilitate the identification and resolution of potential design conflicts and aid in the protection of these facilities during construction.

Tasks:

- 1. Request records from utility owning agencies as appropriate.
- 2. Supply qualified personnel and provide them with the resources, transportation and field supplies to perform the requested services.
- 3. Coordinate with the client to determine what test holes are needed and their expected locations.
- 4. Coordinate with inspectors, property owners, "ONE CALL" and others as required. Comply with all laws and regulations concerning excavation. Obtain all permits needed to perform the test holes.
- 5. Determine in the field the actual location of the proposed improvements in possible conflict with existing utilities. This shall be accomplished by using the plan supplied by the client.
- 6. At the approximate point of possible conflict with the proposed improvement, excavate a test hole using air/ vacuum excavation. Provide all measurements necessary to perform the work safely and to cause no damage to the utility structure. The test hole will be of the minimum size required to expose the utility of interest and record the following information:
 - a. Depth below grade (cover).
 - b. Utility material, shape and overall condition.
 - c. Approximate diameter of pipes, cables, conduits and the configuration of multiple conduit systems.
 - d. The general directional trend of the utility.
 - e. Thickness, type and condition of paving material.
 - f. General soil conditions.
- Install a permanent survey marker directly over the centerline of pipes or edge of concrete structures or conduit banks at grade. Indicate on the Test Hole Form the placement of the marker relative to the utility cross section.
- 8. Backfill test hole with excavated material in 6" lifts by air pneumatic tamping. Soil placed within 1 foot of the exposed utility will be clean and tamped carefully. Backfill materials will be adequately compacted to prevent later subsidence of the test hole. Provide select backfill materials, such as insulating sands and gravels, when needed. Restore test hole area to original condition. Ribbon of appropriate APWA/ULCC color will be installed in the backfill from utility to grade.
- 9. Repair and restore all pavement cuts to insure a long lasting, permanent repair using our standard cold patch method. Guarantee patch for 1 year and return to repair within that time if test hole sinks more than ½" below original grade (permanent marker). In the event that the permitting agency does not accept cold patch as permanent repair, the cost to restore the pavement to the satisfaction of the permitting agency will become a cost over and above the estimate.
- 10. Record the location of the permanent marker with a minimum of three (3) swing tie measurements to convenient existing permanent structures on site.
- 10a. (Optional See Scope Statement) Survey test hole locations with a total station survey instrument and data collector relevant to the client provided project control. Process survey locations to provide northing, easting and grade/ utility elevations. Generate stations and offset for the test holes if baseline geometry is provided.
- 11. Cad Test Hole Forms. Also, provide a Test Hole Inventory report to list numerically the test holes completed/ attempted.
- 12. Technical limitations of small hole Air/Vacuum excavation:

In order to provide a cost effective service that causes minimal disturbance to site amenities and utilities, and is acceptable to permitting agencies, the size of the test hole excavation is kept to a minimum. A nominal size of 64 square inches (8" \times 8") is the assumed size of the average test hole. Given this size excavation, the following limitations are stated for the benefit of the designer in choosing test hole locations.

- a. The bottom/invert of pipes and large diameter cables and conduits is not directly available in most test holes. The point of measurement of these utilities is typically the crown or shallowest point on the utility. Invert information is derived from crown cover plus diameter.
- b. The diameter of most pipes greater than 24" cannot be recovered directly from a single test hole. The diameter of pipes less than 24" is determined by exposing half or the entire pipe, as needed, and directly

Page 2

measuring the outside diameter with a rule to the nearest 1/2". If pipe diameter is critical on larger than 24" pipes, it may be necessary to perform additional holes. This type of investigation falls outside of the normal scope of test hole services.

c. Encased systems and non-encased conduit banks are typically exposed on one edge. This allows the test hole to be excavated down the side of the utility until a discernable bottom edge can be evaluated. Although it is usually possible to determine the bottom edge of these systems, it is not possible to determine conditions under these or other utility systems, such as concrete overpour and other utilities. It is important for the designer to remember that the bottom edge of an encased system or unencased conduit bank may not represent its lowest point, and that the shape of the system may not be the same on both sides. The width of these systems may not be determined from a single test hole. Encased systems and unencased conduit banks may require two test holes to document the width (and both sides top and bottom elevations).

Attachment E



February 12, 2021, Rev 1

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

email: Amir@keshavarz.com

RE: Proposal for Geotechnical Services

Belle Glade Water Main Improvements; SE Zone 4 Water

System Replacement;

Belle Glade, Florida

TSF Proposal No.: 2102-080

Dear Amir:

As requested, **TIERRA SOUTH FLORIDA**, **INC.** (**TSF**) is pleased to submit this proposal for the above-referenced project. This proposal includes an outline of our proposed scope of work, an estimate of the total fees, and our anticipated schedule for completion of the work.

PROPOSED SCOPE OF WORK

All work performed by TSF will be in general accordance with PBC and FDOT standards. We understand that utility installation and improvements is anticipated in the locations noted on the attached boring location plan graphic and summarized below.

- New WM on Main St from W. Ave A to SE Ave G (FDOT)
- R&R WM on DR MLK Jr Blvd from Main to E Canal St (FDOT)
- R&R WM on E Canal St from Main to MLK Blvd (FDOT)
- R&R WM on E Canal St from MLK Blvd to south of SE Ave G (PBC T-fare)
- Area bounded by the triangle formed with SR 80, MLK Blvd and Canal Street

Field services are proposed at the locations noted on the attached Boring Location Plan and summarized in Table 1 below. Required coordination with Palm Beach County or FDOT will be completed prior to roadway closures or Maintenance of Traffic (MOT) operations within the Right-Of-Way (ROW).

Table 1 – Proposed Field Testing					
Location Proposed Services					
Utility Areas	Standard Penetration Test (SPT) Borings - Nineteen (19) SPT Borings to 6 feet - Ten (10) SPT Boring to 10 feet				
Roadways	Ten (10) asphalt cores				

Note – the total number of borings within the roadway is not known. However, SPTs within the roadway will be performed at the location of the 10 asphalt cores. It is estimated that at least ½ of the remaining 19 borings will need to be performed in the roadway due to site access or utility issues.

Boring locations will be approximately located and noted in the field by our personnel by measuring distances with a tape from known reference points. Elevations at boring locations can be interpreted from topographic plans if furnished by others. Prior to drilling at the project site, TSF will notify the local utility companies through the State's 811 Utility Clearance Service and request that underground utilities be marked. This service will review utilities within the roadway ROW only. Any borings required outside of the ROW will not have utility review by the 811 Service, as the utility companies will not mark privately owned utilities. Our proposal assumes that private property utility lines will be located in the field by others prior to mobilization of the drill rig if borings outside of the ROW are required. TSF will recommend a utility line locating service upon request.

Upon completion of the field exploration, laboratory testing will be performed on selected samples. A geotechnical engineer will evaluate the results of all drilling and laboratory testing. A report will be issued that contains the exploration data, a discussion of the site and subsurface conditions, evaluation, and recommendations of soil parameters for mast utility installation, and a discussion of some construction considerations.

ESTIMATED FEES

It is proposed that the fee for the performance of the services outlined above is determined on a unit price basis in accordance with the attached Fee Schedule. On the basis of the proposed quantities, it is estimated that the total fee will be as noted below. The total budget amount will be considered a Not To Exceed (NTE), without prior authorization from the Client.

I. SOIL TESTING	\$640.00
II. CONCRETE & MASONRY MATERIALS	\$0.00
III. AGGREGATE TESTING	\$300.00
IV. ASPHALT TESTING	\$1,300.00
V. INSPECTION SERVICES	\$0.00
VI. FIELD EXPLORATIONS / INVESTIGATIONS	\$6,614.00
VII MISCELLANEOUS SERVICE	\$1,200.00
VII ENGINEERING AND PROFESSIONAL SERVICES	\$7,520.00
	\$17,574.00

Note – as this is the first Task for the Master Contract, the proposed fee schedule for the Contract is attached.

Our estimate covers the work needed to present our findings in a formal report. Not included are reviews of foundation drawings, preparation of construction specifications, special conferences and any other work requested after submittal of our report.

Boring, sampling, and testing requirements are a function of the subsurface conditions encountered. Therefore, the estimated fee previously indicated is approximate, and compensation for the exploration will be based on the actual work and tests performed. We will endeavor to keep the exploration cost at a minimum consistent with good engineering practice.

SCHEDULE AND AUTHORIZATION

TSF will proceed with the work after receipt of a signed copy of this proposal. With our present schedule, we can commence work within a few days of project approval (weather permitting and utility clearance). The fieldwork is expected to take about one to two days to complete. The written report can be submitted about two weeks after completion of the field exploration, depending on the extent of the laboratory-testing program. Verbal preliminary recommendations can be made to appropriate parties prior to submittal of the written report. The report will include soil profiles, asphalt core data in the form of photos and layer identification estimates, a summary

of recommendations for construction, and formal plan sheets for the boring location plan sheet and soil profile sheets to be incorporated into the construction plan set.

We at TSF appreciate the opportunity to submit this proposal and look forward to working with you on this project. If you should have any questions concerning our proposal, please contact our office.

Respectfully submitted,

TIERRA SOUTH FLORIDA, INC.

Harmon C. Bennett, P.E. Principal Engineer FL Reg. No. 53130

Attachments:

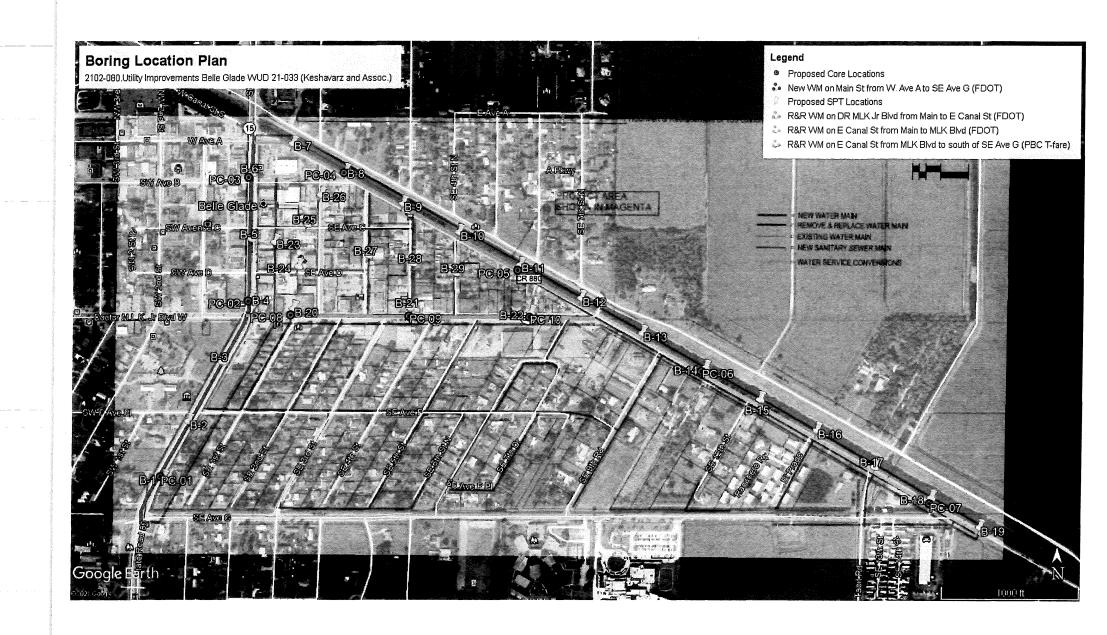
Fee Estimate

Boring Location Plan

Ra/Krishnasamy, P.E.

President FL Reg No. 53567

I.	SOIL TESTING	Unit	Rate	Quantity	Fees
		test	\$30.00		
		test	\$100.00		
	3 Florida Bearing Value Test	test	\$45.00		
	4 Limerock Bearing Ratio Test	test	\$300,00		
	5 Atterberg Limit Test	test	\$80,00	2	\$160.00
		test	\$100.00		
		test	\$50,00	2	\$100.00
		test	\$190.00	2	\$380.00
	` '	hr.	\$60,00		
		test	\$20.00		
	1 Unit Weight and Moisture Content (Undisturbed Sample)	test	\$50.00		
II.	CONCRETE & MASONRY MATERIALS				
11.	Concrete Compression test (Min four [4] cylinders per trip)				
		set	\$150.00		
		cyl	\$18.00		
		cyl	\$18.00		
	4 Slump test	ca.	\$18.00		
	5 Air Content Test	ca.	\$25.00		
	6 Stand-by	hr.	\$65,00		
	7 Grout Prism (Six [6] per set)				
	- Includes preparation of Prism on site	set	\$80.00		
	8 2" x 2" Mortar Cubes (Six [6] per set)				
	- Includes preparation of Cubes on site	set	\$80,00		
	9 Additional Mortar cubes	ea.	\$18.00		
	10 Masonry Units				
	A. Compressive Strength	unit	\$80,00		
	B. Absorption	unit	\$50,00		
	11 Concrete Cores (Min 3);		#00.00		
	A. Secure, trim & test B. Testing of core [delivered to lab (Incl Trim)]	core	\$80,00 \$50,00		
	12 Swiss Hammer Testing.	core hr.	\$65,00		
	13 Windsor Probe Test (Min. 3 shots)	test	\$150.00		
	14 Additional Windsor Probe Tests	test	\$100.00		
	14 / (dailoigh Williast) 1 loc 1000	ton	\$100.00		
m	. AGGREGATE TESTING				
	1 Grain size determination:				
	A. Full grain size (8 sieves)	test	\$75.00	4	\$300.00
	B. Wash through (#200)	test	\$45.00		
	2 Sieve Analysis - Course Aggregate	test	\$45.00		
	3 Specific Gravity & Absorption of Fine or Coarse Aggregate	test	\$70.00		
IV.	ASPHALT TESTING				
	1 Asphalt Cores (obtaining core samples)	ea.*	\$130.00	10	\$1,300.00
	2 Asphalt Extraction & Gradation	ea.	\$150.00		
	3 Asphalt Density and Thickness	ea.	\$25.00		
	4 Marshall Stability (Incl density, flow and stability of 3 specimens)				
	(50 blows)	ca.	\$150.00		
	5 Coring Machine plus Generator Rental	trip	\$400.00		
	6 Superpave Resolution Testing				
	A. Gyratory Compaction, bulk specific gravity	ca.	\$175.00		
	B. Rice Testing	ca.	\$120.00		
v.	INSPECTION SERVICES				
٠.	1 Concrete Inspection (on job-site or plant)	hr.	\$65.00		
	2 Pile Driving Inspection	hr.	\$70.00		
	3 Pre-Stress Yard Inspection	hr.	\$70.00		
	4 Steel Inspection	hr.	\$70.00		
	5 Threshold Inspection	hr.	\$70.00		
	6 Asphalt Inspection (Plant or Roadway)	hr.	\$85.00		
	7 Helical Pile Inspection	hr.	\$70.00		
	8 Drilled Shaft Logging / Inspection Services	hr.	\$70.00		
-	FIELD EADI OF LEICHE LEINERS CO.				
V			#10.00		
	1 Auger Borings	ft. hr.**	\$10.00		
	Hand Augers Standard Penetration Test Borings - Truck Rig	10.**	\$130.00		
	3 Standard Penetration 1est Borings - Truck Rig A. 0' - 50'	ft.	\$13.00	214	\$2,782.00
	B. 1' – 100'.	ft.	\$15.00	214	was, 1 04.00
	4 Grout-Seal Boreholes		4.5.00		
	A. 0' – 50'	ft.	\$6.00	214	\$1,284.00
	B. 1' – 100'.	ft.	\$7.00		
	5 Casing Allowance	ft.	\$7.00		
	A. 0' 50'	ft.	\$7.00	214	\$1,498.00
	B. 1' - 100'.	ft.	\$9.00		
	6 Muck Probing (4 hr min) (2-man crew)	hr.**	\$130.00		
	7 Mobilization of drilling equipment to project (Min Charge)				
	A. 50-mile travel	ca.	\$350.00	3	\$1,050.00
	B. 100-mile travel	ea.	\$450.00		
v	IL MISCELLANEOUS SERVICE				
	1 Foundation Analysis and Recommendation		****		
	2 Percolation Test 2 Install Monitoring Wall 25' Double from PRCWILD Standards & Details	test	\$300.00		
	3 Install Monitoring Well, 25' Depth (per PBCWUD Standards & Details)) LF hour	\$50.00 \$150.00		
	4 Plug & Abandon Monitoring Well, 25' depth 5 Maintenance of Traffic	Day	\$1,200.00	1	\$1,200.00
*	TII. ENGINEERING AND PROFESSIONAL SERVICES	Day	J1 200.00	,	00.00
•	1 Principal Engineer/PM, PE	hour	\$185.00	2	\$370.00
	2 Senior Geotechnical Engineer, PE	hour	\$175.00	4	\$700.00
	3 Project Engineer	hour	\$145.00	8	\$1,160.00
	4 Staff Engineer	hour	\$110.00	16	\$1,760.00
	5 Senior Engineering Technician	hour	\$110.00	12	\$1,320.00
	6 Engineering Technician	hour	\$65.00	24	\$1,560.00
	7 Drafter/CADD	hour	\$65.00	10	\$650.00
					\$17,574.00
	*/ **2 technicians @ \$65/hr involves access, carrying equipment, setup	& etc			



ATTACHMENT F

Palm Beach County Water Utilities Department

Utility Distribution & Collection System Engineering Services

Resolution No. R2020-1898 Contract Dated December 15, 2020

SUMMARY OF SBE-M/WBE BUSINESS TRACKING

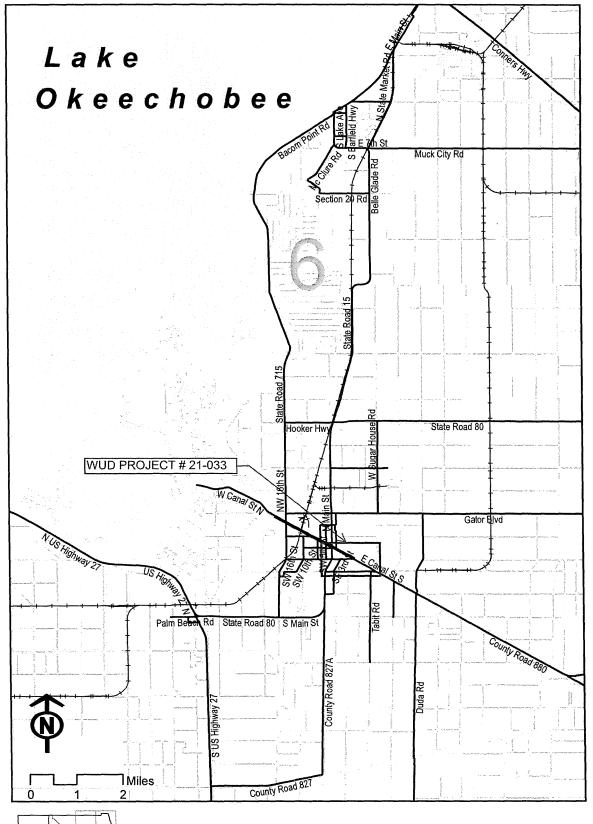
Master Contract Goals	SBE: <u>85.00%</u>	M/WBE: <u>85.00%</u>	MBE (B): 3.00%	MBE (A): <u>82.00%</u>	
Current Proposal					
Value of Authorization No. <u>1</u>	\$571,537.68				
Value of SBE-M/WBE Letters of Intent	\$496,050.00	\$496,050.00	\$00.00	\$496,050.00	
Actual Percentage	86.79%	86.79%	0.00%	86.79%	
Signed/Approved Authorizations					
Total Value of Authorizations	\$0.00\$				
Total Value of SBE-M/WBE Signed Subcontractors	\$0.00\$	\$0.00	\$0.00	\$496,050.00	
Actual Percentage	0.00%	0.00%	0.00%	86.79%	
Signed/Approved Authorizations Plus Current					
Proposal					
Total Value of Authorization	\$571,537.68				
Total Value of Subcontractors & Letters of Intent	\$496,050.00	\$496,050.00	\$00.00	\$496,050.00	
Actual Percentage	86.79%	86.79%	0.00%	86.79%	

Revised 02/11/2021

ATTACHMENT G

Location Map

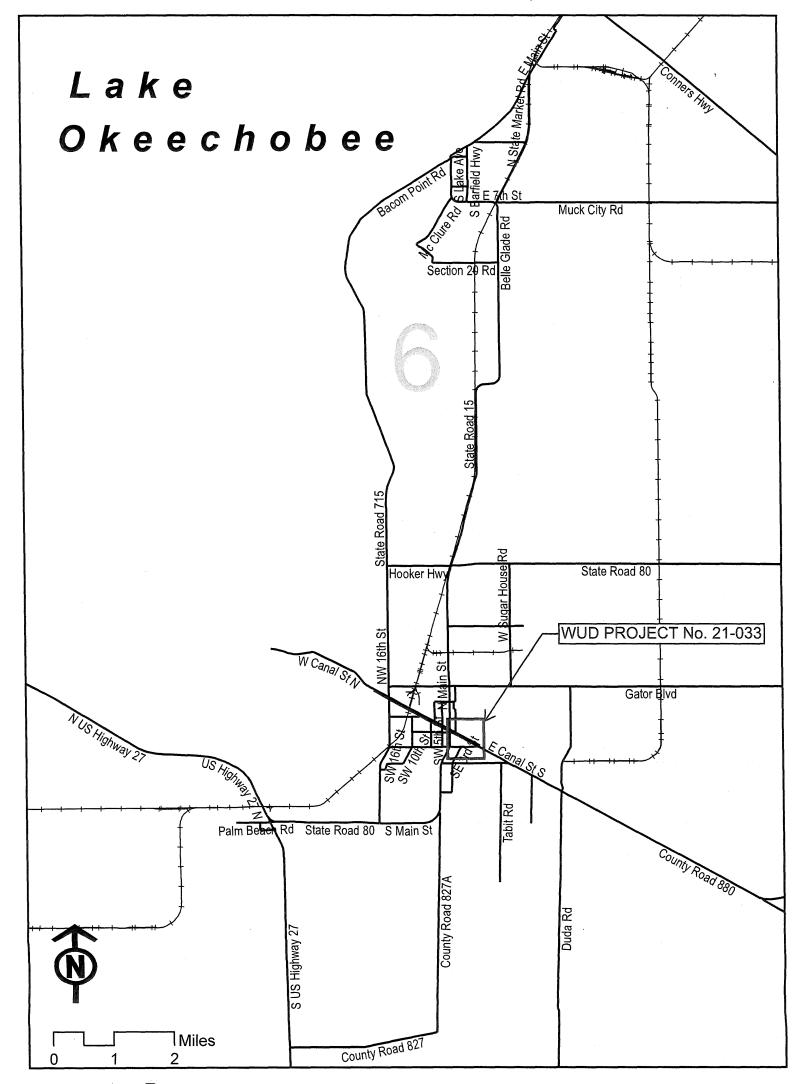
Revised 02/11/2021





Revised 02/11/2021

ATTACHMENT 2 LOCATION MAP AGENDA ITEM WUD PROJECT No. 21-033 CONSULTANT SERVICE AUTHORIZATION No. 1 KESSHAVARZ AND ASSOCIATES, INC.







ATTACHMENT 3 KESHA CERTIFICATE OF LIABILITY INSURANCE

KESH&AS-01

HAZELWOODM

7/8/2020

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

REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

	no ocidinate doco not como rigino i								
PROI	DUCER License # 0E67768				CONTACT Stephan	ie Chase			
nsurance Office of America Abacoa Town Center				PHONE (A/C, No, Ext): (561) 721-3741 FAX (A/C, No): (561) 776-0					
	0 University Blvd, Suite 200				E-MAIL ADDRESS: Stephan		ioausa.com		
Jupi	iter, FL 33458						RDING COVERAGE	-	NAIC#
					INSURER A : Travele				25658
INICII	URED						asualty Insurance Comp	anv	36161
INSU								Jany	
	Keshavarz & Associates, In	c.					/ & Surety Company		19038
	711 N. Dixie Hwy Suite 201 West Palm Beach, FL 33401				INSURER D : QBE In	surance Co	rporation		39217
	restrain Boasi, i 2 sons				INSURER E :				
					INSURER F:				
CO	VERAGES CER	RTIFIC	ATE	NUMBER:			REVISION NUMBER:		
	THIS IS TO CERTIFY THAT THE POLICINDICATED. NOTWITHSTANDING ANY I								
С	CERTIFICATE MAY BE ISSUED OR MAY	PER	TAIN,	THE INSURANCE AFFOR	DED BY THE POLIC	IES DESCRIE	SED HEREIN IS SUBJECT T		
INSR LTR			SUBR WVD		POLICY EFF (MM/DD/YYYY)	POLICY EXP	LIMIT	s	
A	X COMMERCIAL GENERAL LIABILITY	עפאוו	YYYU			TANKII DOLLI I I I I	EACH OCCURRENCE	\$	1,000,000
	CLAIMS-MADE X OCCUR	_	x	660-6J917378-IND-20	7/1/2020	7/1/2021	DAMAGE TO RENTED PREMISES (Ea occurrence)	· ·	100,000
	A GOODK	X	^	000-000 I 1010-IND-20	17172020	77172021		\$	5,000
		1					MED EXP (Any one person)	\$	1,000,000
							PERSONAL & ADV INJURY	\$	2,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	\$	2,000,000
	POLICY X PRO-						PRODUCTS - COMP/OP AGG	\$	2,000,000
A	OTHER:	+					COMBINED SINGLE LIMIT (Ea accident)	\$	1,000,000
	X ANY AUTO	X	X	BA-6J917538-20	7/1/2020	7/1/2021	BODILY INJURY (Per person)	s	
	OWNED SCHEDULED AUTOS	^	^	2,7, 000 1, 000 20					
							BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)		
	HIRED AUTOS ONLY NON-OWNED AUTOS ONLY						(Per accident)	\$	
В		+				<u> </u>		\$	1,000,000
В	JT OMBREEL CIAB JT OCCOR			CUD ACCOTOAC 20	7/4/2020	7/4/2024	EACH OCCURRENCE	\$	
	EXCESS LIAB CLAIMS-MADE			CUP-4688T918-20	7/1/2020	7/1/2021	AGGREGATE	\$	1,000,000
	DED X RETENTION\$ 10,00)						\$	
С	AND EMPLOYERS' LIABILITY	.					X PER OTH-		
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	N/A	X	UB-7K077863-20	7/1/2020	7/1/2021	E.L. EACH ACCIDENT	\$	1,000,000
	(Mandatory in NH)	1 11/2					E.L. DISEASE - EA EMPLOYEE	\$	1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - POLICY LIMIT	\$	1,000,000
D				ANE41300-01	7/1/2020	7/1/2021	Per Claim		3,000,000
D	Professional Liabili			ANE41300-01	7/1/2020	7/1/2021	Aggregate		3,000,000
					-				
Pali with resp Offi	SCRIPTION OF OPERATIONS / LOCATIONS / VEHI ntract for Consulting/Professional Serv Im Beach County Board of County Com h respect to General Liability when req spect to General Liability per form CGD: ficers, Employees and Agents are Addit F219 08/17. Waiver of Subrogation also	missi uired l 379 02 ional	oners by wr /19. I	s, a political Subdivision o itten contract per form CG Palm Beach County Board eds with respect to Auto L	f the State of Florida 3 D3 81 09 15 on a Pi 1 of County Commis Liability with waiver	a, its officers, rimary Non-C sioners, a po of subrogatio	employees and agents ar ontributory basis. Waiver litical Subdivision of the S on when required by writte	of Sul State o	progation with f Florida, its
CE	ERTIFICATE HOLDER				CANCELLATION	l			
					THE EXPIRATION	ON DATE T	DESCRIBED POLICIES BE O HEREOF, NOTICE WILL ICY PROVISIONS.		
Palm Beach County Water Utilities Dept					AUTHODITED SEES	TATE			
Director Utilities Engineering 8100 Forest Hill Blvd				AUTHORIZED REPRESENTATIVE					
				C.Kay Loksey M					
L	West Palm Beach, FL 3341	3			<u> </u>	J			
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