

PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS
AGENDA ITEM SUMMARY

Meeting Date: August 13, 2013 Consent [X] Regular []
Public Hearing []

Department: Water Utilities Department

I. EXECUTIVE BRIEF

Motion and title: Staff recommends motion to approve: Consultant Services Authorization (CSA) No. 9 with Keshavarz & Associates, Inc. (R2011-0636) for the Southwest Belle Glade Water Main Replacement - Zone 1 in the amount of \$302,045.

Summary: On May 3, 2011, the Palm Beach County Board of County Commissioners (BCC) approved the Water Utilities Department (WUD) Engineering/Professional Services Contract with Keshavarz & Associates, Inc. (R2011-0636). This CSA No. 9 is to provide services related to the surveying, design, permitting and construction of the water main replacement in the southwest area in the City of Belle Glade designated as Zone 1. The Small Business Enterprise (SBE) participation goal established by the SBE Ordinance (R2002-0064) is 15% overall. The contract with Keshavarz & Associates, Inc. provides for SBE participation of 100%. This Authorization includes 100% overall participation. The cumulative SBE participation is 100% overall. Keshavarz & Associates, Inc. is a local company. (WUD Project No. 13-060) District 6 (JM)

Background and Justification: On January 15, 2013, the BCC approved the First Amendment, (R2013-0094) to the Interlocal Agreement with the Cities of Belle Glade, Pahokee and South Bay (R2009-1033, R2009-1034, and R2009-1035). By this Amendment the County committed to make a capital contribution of \$25 million to repair and replace the utility system in the Cities of Belle Glade, Pahokee and South Bay in the first five (5) years following the transfer date (March 31, 2013).

WUD has determined an area of improvement and divided it in four (4) zones according to the improvement priorities (Zone 1 higher priority) based in the amount of breaks, leaks, aged and undersized pipes and also based in fire protection improvement requirements. This Consultant Service Authorization is for the potable water improvement of Zone 1.

Attachments:

1. Location Maps
2. Two (2) Original Consultant Services Authorization No. 9

Recommended By: Benjamin ~~#~~ 7/22/13
Department Director Date

Approved By: Sharon 7/29/13
Assistant County Administrator Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2013	2014	2015	2016	2017
Capital Expenditures	<u>\$302,045.00</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
External Revenues	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Program Income (County)	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
In-Kind Match County	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

NET FISCAL IMPACT \$302,045.00 0 0 0 0

ADDITIONAL FTE
POSITIONS (Cumulative) 0 0 0 0 0

Budget Account No.: Fund 4011 Dept 721 Unit W038 Object 6543

Is Item Included in Current Budget? Yes X No

Reporting Category N/A

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

One (1) time capital expenditure from the user fees and balance brought forward

C. Department Fiscal Review: Debra M West

III. REVIEW COMMENTS

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

[Signature]
OFMB 7/23/13
7/23

[Signature] 7/24/13
Contract Development and Control
7-24-13 B. Wheeler

B. Legal Sufficiency:

[Signature] 7/25/13
Assistant County Attorney

C. Other Department Review

Department Director

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



**Palm Beach County
Water Utilities
Department
Service Area (SA) and
Major Facilities**

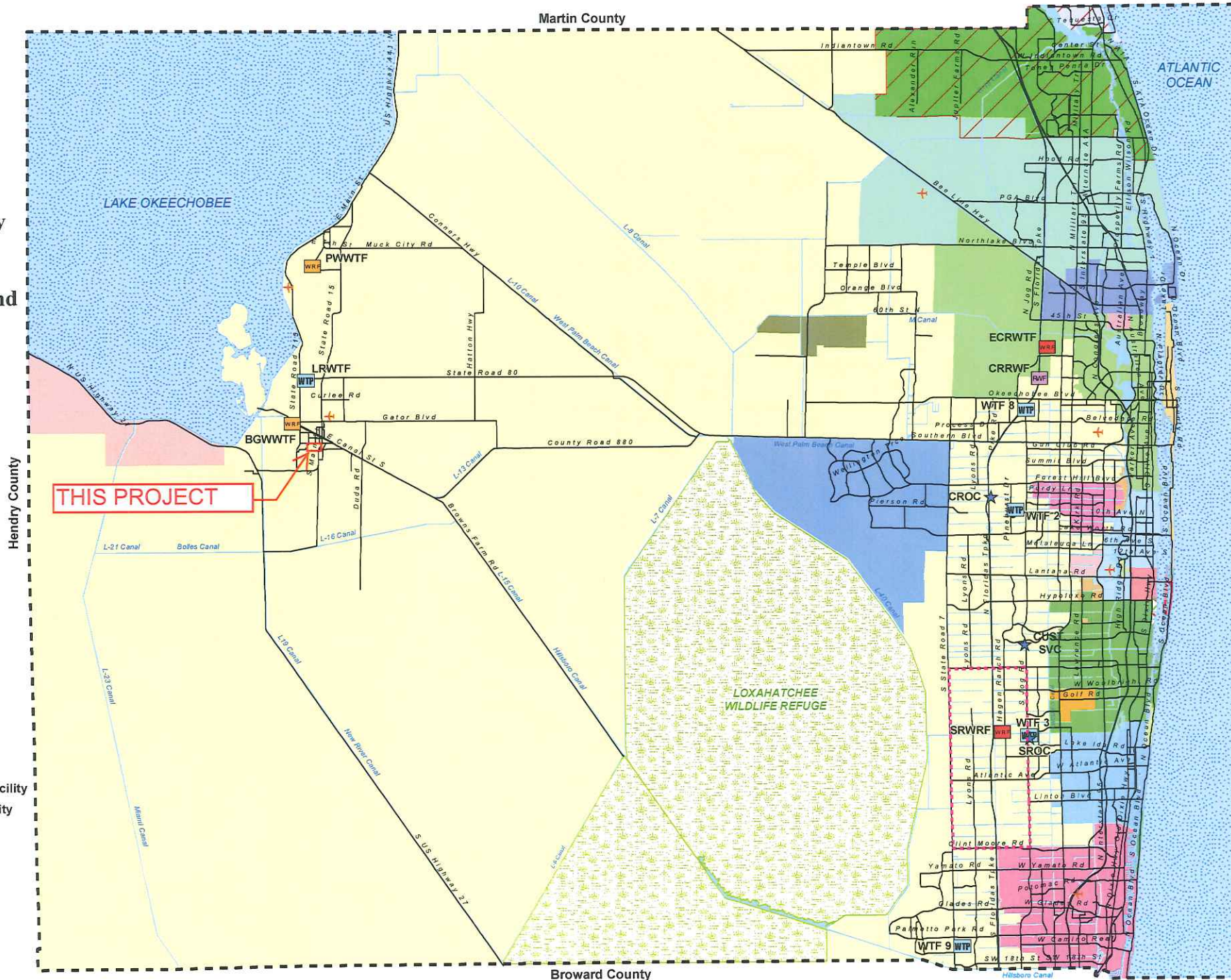
Attachment 1

Legend

-  Administration
-  Water Treatment Facility
-  Reclamation Facility
-  Wastewater Reclamation Facility
-  Wastewater Treatment Facility
-  Mandatory Reclaimed SA
-  Palm Beach County Limits
-  P.B.C.W.U.D. Service Area



NOT TO SCALE

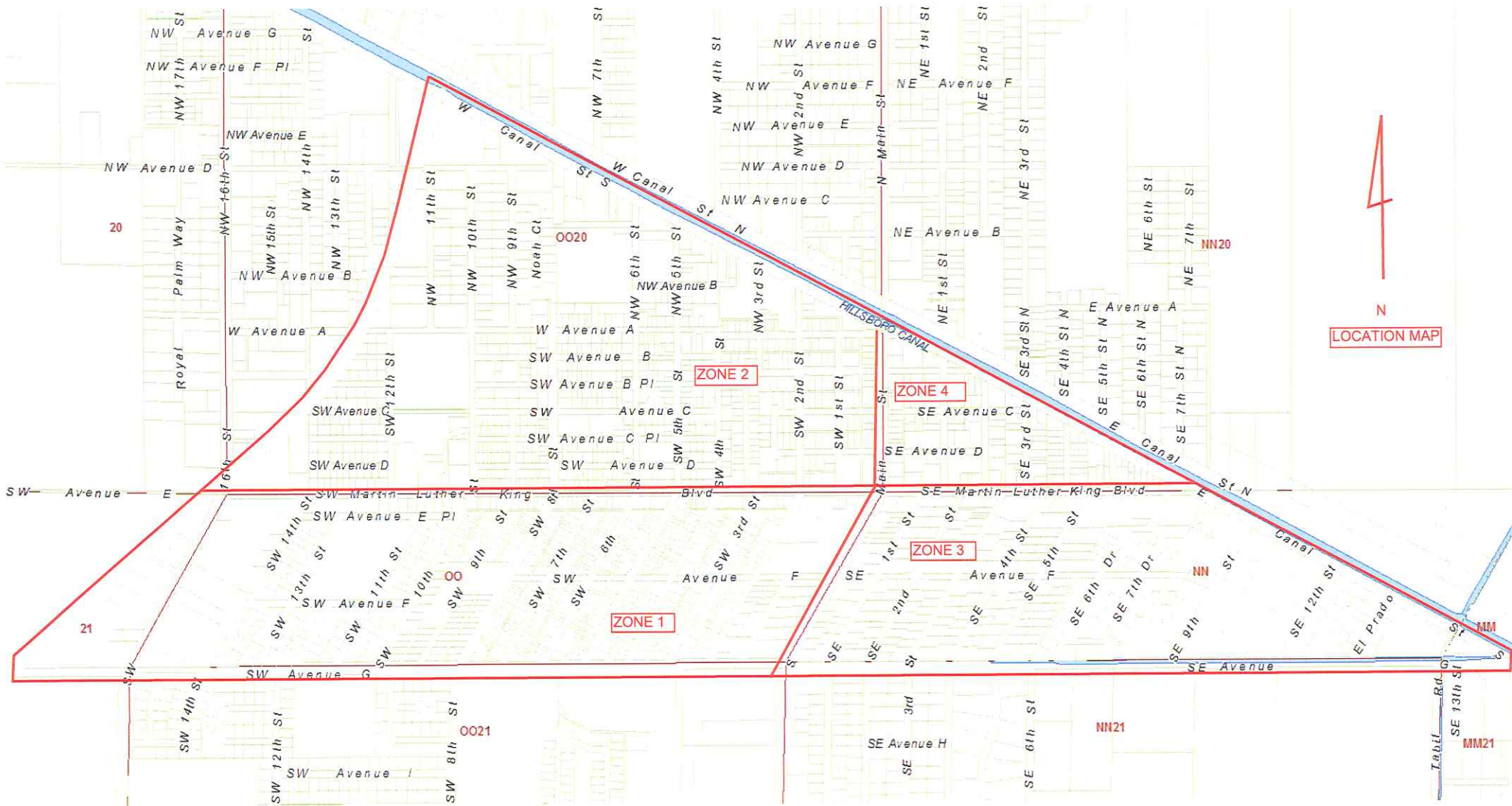


Martin County

ATLANTIC OCEAN

Hendry County

Broward County



ZONE 1

ZONE 2

ZONE 4

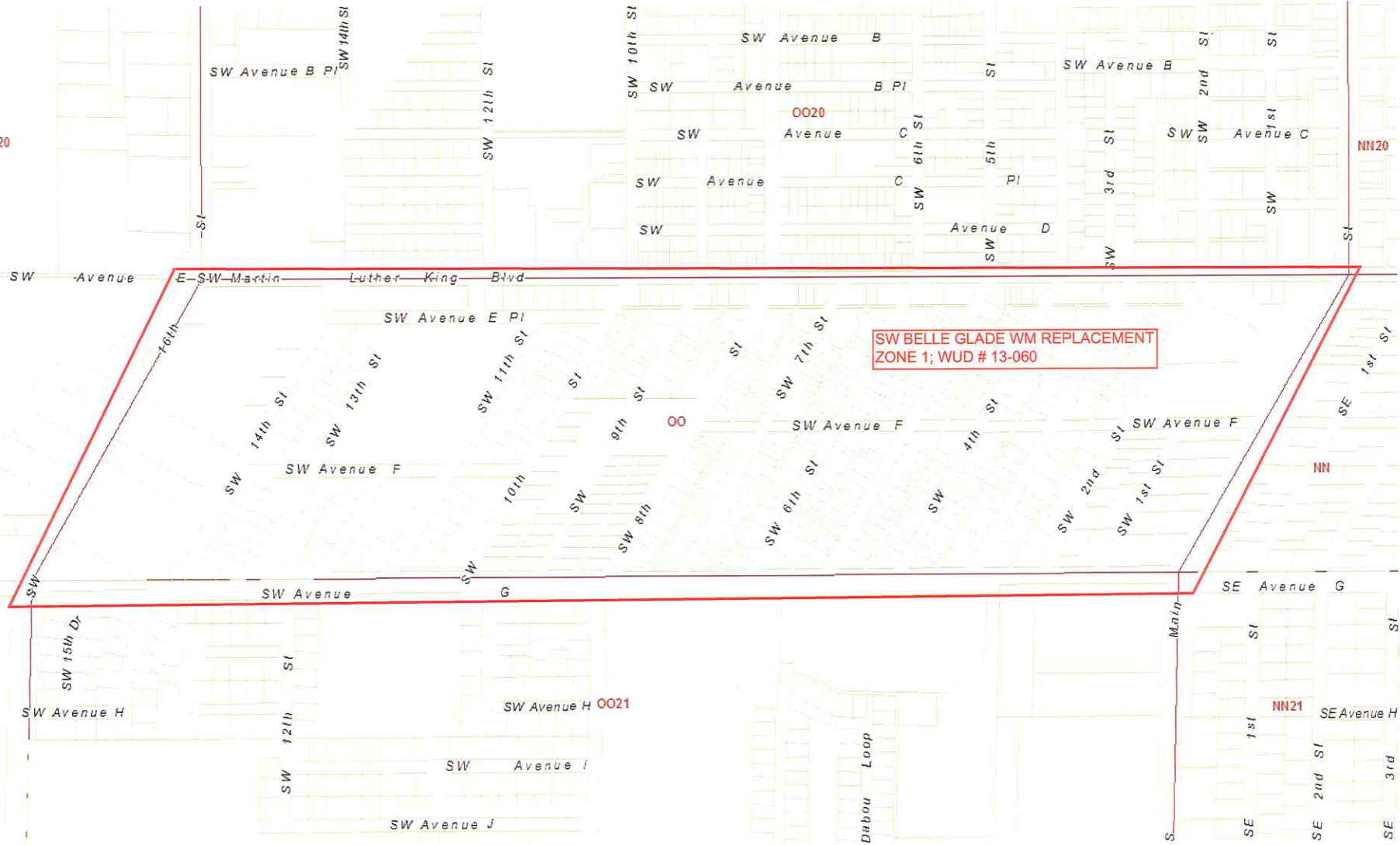
ZONE 3



LOCATION MAP

20

21



SW BELLE GLADE WM REPLACEMENT
ZONE 1; WUD # 13-060

Dabou Loop

Main St

NN21

NN20

NN

NN21

SE 1st St

SE 2nd St

SE 3rd St

SE 1st St

SE 2nd St

SE 3rd St

SE 4th St

SE 5th St

SE 6th St

SE 7th St

SE 8th St

SE 9th St

SE 10th St

SE 11th St

SE 12th St

SE 13th St

SE 14th St

SE 15th St

SW Avenue

E-SW Martin Luther King Blvd

SW Avenue E Pl

SW 14th St

SW 13th St

SW 11th St

SW 10th St

SW 9th St

SW 7th St

SW Avenue F

SW 4th St

SW 2nd St

SW 1st St

SW Avenue F

SW Avenue G

SE Avenue G

SW Avenue H

SW Avenue H 0021

SW Avenue I

SW Avenue J

SE Avenue H

SE Avenue I

SE Avenue J

CONSULTANT SERVICES AUTHORIZATION NO. 9

Project No. WUD 13-060
Budget Line Item No. 4011-721-W038-6543

Project Title: SW Belle Glade Watermain Replacement, Zone 1

District No.: 6

THIS AUTHORIZATION #9 to the Contract for Consulting/Professional Services dated May 3rd, 2011 with an effective date of June 3rd, 2011 (R2011-0636), by and between Palm Beach County and the Consultant identified herein, is for the Consultant Services described in Item 3 of this Authorization. The Contract provides for 100% SBE participation overall. This Consultant Services Authorization includes 100% overall participation. The cumulative SBE participation, including this authorization is 100% overall. Additional authorization will be utilized to meet or exceed the stated overall participation goal.

1. CONSULTANT: Keshavarz & Associates, Inc.
2. ADDRESS: 711 N Dixie Highway, Suite 201, West Palm Beach, FL 33401
3. Description of Services to be provided by the Consultant:
Survey, Design and Permitting services in connection with the Watermain Replacement project in the Belle Glade areas designated as Zone 1

See ATTACHMENT A.
4. Services completed by the Consultant to date (Summary and Status of Authorizations):

See ATTACHMENT E.
5. Consultant shall begin work promptly on the requested services.
6. 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 \$ _____
 - B. Fixed price of \$ 302,045.00
7. 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.

Project No. WUD 13-060 Consultant Services Authorization No. 9

Project Title SW Belle Glade Watermain Replacement, Zone 1

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

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

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

Palm Beach County,
Board of County Commissioners

ATTEST:

Signed: _____

Signed: _____
Steven L. Abrams, Mayor



Typed Name: _____
Deputy Clerk

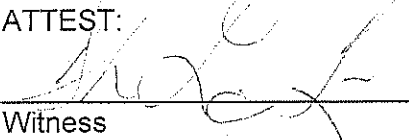
_____ Date

Approved as to Form and Legal
Sufficiency


Signed: _____

Typed Name: _____
County Attorney

CONTRACTOR:
KESHAVARZ & ASSOCIATES, INC.

ATTEST:


Witness



(Signature)

Deborah L. Fulgenzi

Maziar Keshavarz, P.E., President

(CORPORATE SEAL)

6/21/2013

Date

LIST OF ATTACHMENTS

Project No. WUD 13-060 Consultant Services Authorization No. 9

Project Title SW Belle Glade Watermain Replacement, Zone 1

ATTACHMENT - A	Scope of Work
ATTACHMENT - B	Budget Summary
ATTACHMENT - C	Project Schedule
ATTACHMENT - D	SBE Schedule 1 and Schedule 2
ATTACHMENT - E	Authorization Status Report - Summary and Status of Authorizations
ATTACHMENT - F	Authorization Status Report – Summary of SBE/MWBE Tracking
ATTACHMENT - G	Location Map

ATTACHMENT A

CONSULTANT SERVICE AUTHORIZATION NO. 9

PALM BEACH COUNTY WATER UTILITIES DEPARTMENT ENGINEERING/PROFESSIONAL SERVICES

SCOPE OF WORK FOR SW BELLE GLADE WATERMAIN REPLACEMENT, ZONE 1 WUD 13-060

INTRODUCTION

Palm Beach County (COUNTY) entered into an agreement entitled Contract for Engineering/ Professional Services - Palm Beach County Utilities Department Project No. WUD 13-060 (CONTRACT) with Keshavarz & Associates, Inc. (CONSULTANT) to provide engineering services for various general activities on (Reference Document R2011-0636). This Consultant Service Authorization will be performed under that CONTRACT.

This Consultant Services Authorization encompasses providing services related to the surveying and design and permitting of the water main replacement in the Belle Glade areas designated as Zone 1.

BACKGROUND

This scope of work is for water main replacement to enhance the system reliability and improve water quality.

SCOPE OF SERVICES

CONSULTANT shall proceed with the surveying, right of way mapping, drafting and design engineering services necessary to prepare detailed drawings for the project in accordance with the Palm Beach County Water Utilities Department Minimum Engineering and Construction Standards and applicable permitting agencies.

PALM BEACH COUNTY WATER UTILITIES DEPARTMENT WILL BE RESPONSIBLE FOR THE FOLLOWING ITEMS:

1. The County will provide the Consultant record drawings on the existing potable water, reclaim water and sanitary water mains
2. The County will pothole existing water and sewer facilities when necessary
3. The County will provide the Consultant preliminary water main plan with water main sizing and perform all required hydraulic modeling (if necessary)
4. The County will provide the Consultant consolidated review comments on the 30%, 60% and 90% design drawings within two (2) weeks of receipt from Consultant.
5. Palm Beach County Water Utilities Department will be responsible for all construction and final certification services required for the project.

Task 1 SURVEYING AND MAPPING

General Services for Survey Phase:

Prepare and furnish a Survey with horizontal baseline and vertical control in plan view to prepare design plans on 24" x 36" drawings at 1:20 scale. Base map survey shall be in state plane coordinate system.

Establish Horizontal Control:

1. Road right-of-way lines and the edge of pavement and the full right-of-way at the intersecting streets.
2. Baseline of survey information with plan sheet stationing.
3. Limits of paved and unpaved roadways and locations of all existing driveways (concrete, asphalt, shellrock, paver brick, etc.), turn-outs and turn lanes on each of the above described sheets within 30' (+/- since right-of-way varies) from centerline of the right-of-way.
4. Depict centerline and right-of-way line for each roadway and the north right-of-way line of the canal adjacent to Avenue G based on the recorded plats.
5. Depict the lines and limits of all known easements of record contiguous with the platted street rights-of-ways, if any, that are shown on the recorded plat.
6. Interior lot lines shall be abstracted from PBC GIS data.
7. Location of all above ground physical relevant objects and those affected by the proposed layout provided by County within the road rights-of-way described above, including but not limited to: Trees and other landscaping, mailboxes, fences, power poles, guy wires, street light poles and fixtures, etc.
8. Locations of visible relevant above-ground improvements affecting the proposed layout provided by County that relate to underground utilities within the right-of-way, pipe conduits and utilities within the right-of-way which may include but are not limited to: FPL, BellSouth, Cable TV, Natural Gas, Potable Water, Storm Drainage (canals, swales, ditches, catch basin and all storm piping), etc. Available information on existing potable water and sanitary sewer mains will be provided by the County in the form of project record drawings.

Establish Vertical Control:

1. Elevations described below shall be referenced to an existing established National Geodetic Survey Control Point (NGS) benchmark. Establish at least two (2) benchmarks for each roadway whereas the southerly most benchmark will be adequate for the canal. These benchmarks are for construction purposes within the project area and the location shall be indicated on the plan drawings.
2. Establish grade at 100' intervals. Elevations shall be taken at the edge of pavement, approximately mid point from the edge of pavement to the right-of-way line and at the approximate right-of-way line.
3. Invert of all storm drainage and tops of all catch basin rims within the rights-of-way and inverts of all sanitary services with rims of manholes.
4. Top of existing potable water main, sanitary sewer service and other dry utilities when potholed by the County. Prepare exhibits depicting results and locations of same.
5. Elevations of specific driveways as determined by the design team to include the following locations:
 - a) Intersections of edge of driveway and roadway
 - b) Edges of driveways at any change of direction to rights-of-way.
 - c) Edges of driveway at 30' (+/-) from the centerline of the right-of-way

**Task 2 WATER SERVICES REPLACEMENT AND AC WATER MAIN
REMOVAL AND REPLACEMENT DESIGN**

The Consultant will prepare and furnish the plans and details on 24" x 36" drawings. The Consultant shall submit 30%, 60% and 90% complete design drawings. The Consultant will complete 100% design drawings after receipt of 90% review comments. Consultant service shall include the following:

1. Request utility (electric, gas, phone, CATV, etc.) locations within the project area and indicate locations on the drawings
2. Determine number, size and location of water services based on field observation and WUD instructions. Provide service addresses based on field observation of mailboxes and structures.
3. Provide Fire Flow Protection Plan to depict fire protection coverage throughout the affected project area.
4. Provide design in plan view only for both proposed water main and water services, abandonment of existing water facilities (excluding sequencing, line-stop abandonment and maintenance of service plan).
5. Provide plan and detailed notes for installation of water main at storm sewer, sanitary sewer and other dry utility conflicts, and up to six (6) proposed canal crossings. The Consultant shall submit three (3) sets of black line drawings at each stage of completion of design.
5. Provide the final design (100% complete package) in the format described above, including cover sheets and detail sheets for project. The Consultant shall submit one set of the 100% design black line drawings. The Consultant will also provide the AutoCAD Release 2007 computer-drawing files on CD-Rom or through the Internet.

Task 3 PERMITTING

At the outset of the Design Phase, the Consultant shall consult with the appropriate permitting agencies to determine potential permitting requirements. Agencies anticipated to have jurisdiction of the project include: City of Belle Glade, Palm Beach County Water Utilities Department (PBCWUD), Palm Beach County Fire Rescue, FDOT, Palm Beach County Health Department and South Florida Conservancy District.

Permit applications shall be completed as required for the above agencies. Associated permit application fees shall be determined by Consultant and paid by PBCWUD.

In addition to preparing the permit applications for appropriate regulatory agencies, Consultant shall assist the PBCWUD in consultations with the appropriate authorities. Consultant services shall include the following:

1. Attend pre-application meetings with the staff of each regulatory agency required.
2. Attend meetings with each of the regulatory agencies during review of the final permit applications as required.
3. Respond to request(s) for additional information from each regulatory agency.
4. Provide County with one (1) set of approved plans from permitting agencies as may be applicable.
5. Prepare Permit Applications (PBCWUD to provide hydraulic calculations/data as may be required by Health Department or others).

REIMBURSEABLE EXPENSES

Geotechnical Engineering Services (as provided by our Subconsultant, Tierra South Florida, Inc.) to include 38 soil borings (26 in pavement to include core)
Printing, Reproduction, Deliveries, Transportation, etc.



June 17, 2013

Keshavarz & Associates
711 North Dixie Highway, Suite 201
West Palm Beach, Florida 33401
561-689-8600 (office)
561-689-7476 (fax)

Attn: Mr. Randy Wertepny, P.E.
Project Manager

Re: Geotechnical Engineering Services
Belle Glade Water Main Replacement
Palm Beach County, Florida
TSF Proposal No. 1306-250 Revised

Dear Randy:

TIERRA SOUTH FLORIDA, Inc. (TSF) is pleased to submit this proposal for providing a subsurface exploration for proposed water main pipe installation or replacement. This proposal includes an outline of our proposed scope of work, an estimate of the total job cost, and our anticipated schedule for completion of the work.

SCOPE OF SERVICE

Per the provided information and conversation, our scope of work will consist of drilling 33 Standard Penetration Test (SPT) borings to a depth 10 feet below existing grade along the new water main construction and replacement areas (including along Avenues G and F). In addition, 5 SPT borings will be drilled along the FM canal crossings. The SPT borings at these locations will be drilled to 20 feet below existing grades. Some adjustments in the boring depths may be necessary depending upon the subsurface conditions encountered.

2765 VISTA PARKWAY, SUITE 10 · WEST PALM BEACH, FLORIDA 33411
(561) 687-8539 · FAX (561) 687-8570
State of Florida Professional Engineers License #28073

Within the borings, penetration resistance testing will be performed in general accordance with the requirements of ASTM designation D 1586. Borings will be approximately located in the field by our drilling personnel by measuring distances with a tape from known reference points. Elevations at boring locations can be interpreted from a topographic plan if furnished by others. Prior to drilling at the project site, TSF will notify the local utility companies and request that underground utilities be marked. Our proposal assumes that private utility lines will be located in the field by others prior to mobilization of the drill rig. 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 subsurface conditions, alternate methods to limit the amount of muck removal and replacement, and a discussion of some construction considerations.

ESTIMATED COST

It is proposed that the fee for the performance of the services outlined above will be **\$14,410** as indicated on the attached fee breakdown.

Our estimate covers the work needed to present our findings. Not included are reviews of foundation drawings, preparation of construction specifications, special conferences and any other work requested after submittal of our report. This proposal assumes that access to the proposed boring locations can be accomplished with a truck mounted drill rig.

Boring, sampling, and testing requirements are a function of the subsurface conditions encountered. Therefore, the estimated cost 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.

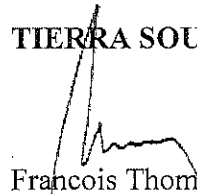
SCHEDULE AND AUTHORIZATION

TSF will proceed with the work after receipt of a signed copy of this proposal. With our present drilling schedule, we can commence work within several days of project approval (weather permitting) and fieldwork is expected to take about 7 to 10 working days to complete. The report can be submitted two weeks after completion of the field exploration.

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.


Francois Thomas, P.E.
Principal Engineer

FT:
Attachments: 1. Fee Breakdown

AUTHORIZED BY:	INVOICE TO:
Firm:	Firm:
Name:	Name:
Title:	Address:
Date:	Phone #:
	Fax #:

**ATTACHMENT B
BUDGET SUMMARY**

KESHAVARZ & ASSOCIATES, INC.
Palm Beach County Water Utilities Department

*Affected Area: 20,000 LF of Roadway containing Watermain and
8,500 LF of Roadway containing services only*

SW Belle Glade Watermain Replacement, Zone 1 WUD No. 13-060							
	<i>Senior Project Manager \$/hr</i>	<i>Project Engineer \$/hr</i>	<i>Engr/ Surv CAD Tech \$/hr</i>	<i>Senior PSM \$/HR</i>	<i>Project Surveyor \$/HR</i>	<i>Survey Crew \$/hr</i>	
TASK 1: SURVEYING AND MAPPING							
	\$160.00	\$105.00	\$80.00	\$120.00	\$80.00	\$135.00	
Establish Horizontal Control	8.0	12.0	120.0	40.0	20.0	110.0	\$33,390.00
Establish Vertical Control	16.0	16.0	120.0	60.0	20.0	440.0	\$82,040.00
Field acquisition of Watermains, Sanitary Sewer services and associated pothole areas (by WUD O&M and City of Belle Glade, estimated at 100), and coordinate with same; depict findings on survey	4.0	12.0	20.0	24.0	0.0	45.0	\$12,455.00
TOTAL Hours Task 1: Surveying and Mapping	28.0	40.0	260.0	124.0	40.0	595.0	\$127,885.00
FEE Estimate	\$4,480.00	\$4,200.00	\$20,800.00	\$14,880.00	\$3,200.00	\$80,325.00	\$127,885.00
TASK 2: WATER SERVICES REPLACEMENT AND AC WATER MAIN REMOVAL AND REPLACEMENT DESIGN							
Project orientation, research and "kickoff" with WUD forces	8.0	12.0	0.0	0.0	0.0	0.0	\$2,540.00
Project Progress Meetings (5 Meetings)	20.0	40.0	0.0	0.0	0.0	0.0	\$7,400.00
Field visit and photo survey route (3 Trips)	6.0	36.0	0.0	0.0	0.0	0.0	\$4,740.00
Prepare Fire Hydrant Location Exhibit & Perform "Needs Assessment" for Fire-Protection System	4.0	18.0	16.0	0.0	0.0	0.0	\$3,810.00
Incorporate K&A survey and As Builts and details provided by WUD and City of Belle Glade into project plan set including video capture results	4.0	20.0	20.0	4.0	0.0	0.0	\$4,820.00
30% Design - Depict existing improvements, preliminary service locations in plan, preliminary watermain and abandonment of watermain in plan, preliminary WUD details (40 Plan Sheets), including phased submittals	30.0	120.0	180.0	0.0	0.0	0.0	\$31,800.00
Preliminary "other" utilities contacts/coordination including exhibits	4.0	30.0	40.0	0.0	0.0	0.0	\$6,990.00
60% Design - All of 30% Design as modified by WUD comments plus conflicts/crossings/deflections identified, WUD details finalized, potholing completed, including phased submittals	40.0	130.0	160.0	0.0	0.0	0.0	\$32,850.00
90% Design - All of 60% Design as modified by WUD comments, conflicts resolved, crossings and deflections detailed	40.0	140.0	140.0	0.0	0.0	0.0	\$32,300.00
100% Design - All of 90% Design as modified by WUD comments	20.0	40.0	40.0	0.0	0.0	0.0	\$10,600.00
TOTAL Hours Task 2: Water Services / AC WM Removal / Replacement Design	176.0	586.0	596.0	4.0	0.0	0.0	\$137,850.00
FEE Estimate	\$28,160.00	\$61,530.00	\$47,680.00	\$480.00	\$0.00	\$0.00	\$137,850.00
TASK 3: PERMITTING							
Permitting (FDEP, City of Belle Glade, South Florida Conservancy District, FDOT, and PBC Fire Rescue)	40.0	80.0	20.0	0.0	0.0	0.0	\$16,400.00
TOTAL Hours Task 3: Permitting	40.0	80.0	20.0	0.0	0.0	0.0	\$16,400.00
FEE Estimate	\$6,400.00	\$8,400.00	\$1,600.00	\$0.00	\$0.00	\$0.00	\$16,400.00
TOTAL PROFESSIONAL SERVICES				\$282,135.00			
Reimburseables (Geotechnical Engineering - by Subconsultant)				\$14,410.00			
Reimburseables (Printing, Reproduction, Mileage, etc.)				\$5,500.00			
TOTAL FEE				\$302,045.00			

TIERRA SOUTH FLORIDA, INC.
ATTACHMENT - 1
FEE SCHEDULE FOR GEOTECHNICAL SERVICES

I.	FIELD INVESTIGATION	Unit	# of Units	Unit Price	Total
	Mobilization of Men and Equipment				
	Truck-Mounted Equipment	Trip	1	\$ 350.00	\$ 350.00
	Support Vehicle	Trip	0	\$ 150.00	\$ 0.00
	Standard Penetration Test Borings (By Truck-Mounted Equipment)				
	0 - 50 ft depth	L.F.	430	\$ 12.00	\$ 5,160.00
	50 - 100 ft depth	L.F.	0	\$ 14.00	\$ 0.00
	Grout-Seal Boreholes (By Truck-Mounted Equipment)				
	0 - 50 ft depth	L.F.	430	\$ 5.50	\$ 2,365.00
	50 - 100 ft depth	L.F.	0	\$ 6.50	\$ 0.00
	Casing Allowance (By Truck-Mounted Equipment)				
	0 - 50 ft depth	L.F.	215	\$ 7.00	\$ 1,505.00
	50 - 100 ft depth	L.F.	0	\$ 8.00	\$ 0.00
	Rock Coring (Structures) (By Truck-Mounted Equipment)				
	0 - 50 ft deep	L.F.	0	\$ 30.00	\$ 0.00
	50 - 100 ft deep	L.F.	0	\$ 36.00	\$ 0.00
	MOT	Day	0	\$ 800.00	\$ 0.00
II.	LABORATORY TESTING				
	Visual Examination by Staff Engineer	Hour	8	\$ 85.00	\$ 680.00
	Natural Moisture Content Tests	Test	10	\$ 20.00	\$ 200.00
	Full Grain-Size Analysis - (8 sieves)	Test	5	\$ 75.00	\$ 375.00
	Grain-Size Analysis - Single Sieve	Test	0	\$ 25.00	\$ 0.00
	Organic Content Tests	Test	10	\$ 50.00	\$ 500.00
	Atterberg Limit Tests	Test	0	\$ 80.00	\$ 0.00
	Environmental Tests (pH, sulfates, chlorides, resistivity)	Set	5	\$ 185.00	\$ 925.00
	LBR Test	Test	0	\$ 275.00	\$ 0.00
III.	FIELD ENGINEERING AND TECHNICAL SERVICES				
	Site Recon./Utility Coordination/Traffic Control				
	Sr. Engineering Technician	Hour	10	\$ 65.00	\$ 650.00

TIERRA SOUTH FLORIDA, INC.
ATTACHMENT - 1
FEE SCHEDULE FOR GEOTECHNICAL SERVICES

IIIA. ENGINEERING AND TECHNICAL SERVICES

Principal Engineer	Hour	0	\$	145.00	\$	0.00
Senior Geotechnical Engineer	Hour	2	\$	125.00	\$	250.00
Engineer, P.E.	Hour	10	\$	115.00	\$	1,150.00
Draftperson	Hour	5	\$	60.00	\$	300.00
Administrative Assistant	Hour	0	\$	50.00	\$	0.00
TOTAL FEE FOR GEOTECHNICAL SERVICES					\$	14,410.00

ATTACHMENT - C

PROJECT SCHEDULE

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

<u>Engineering Services</u>	<u>Completion Date From Notice to Proceed</u>
TASK 1: SURVEYING & MAPPING	60 BUSINESS DAYS
TASK 2: ENGINEERING DESIGN (INCLUDING COUNTY'S REVIEW)	180 BUSINESS DAYS
TASK 3: PERMITTING	210 BUSINESS DAYS

ATTACHMENT D

SCHEDULE #1

LIST OF PROPOSED SBE-M/WBE PRIME/SUBCONSULTANTS

PROJECT NAME: SW Belle Glade Watermain Replacement, Zone 1 PROJECT NUMBER: 13-060

NAME OF PRIME BIDDER Keshavarz & Associates, Inc. ADDRESS: 711 N. Dixie Highway, Suite 201, West Palm Beach, FL 33401

CONTACT PERSON: Maziar Keshavarz, P.E. PHONE NO. 561-689-8600 FAX NO. 561-689-7476

BID OPENING DATE: _____ DEPARTMENT Water Utilities

PLEASE IDENTIFY ALL APPLICABLE CATEGORIES

Name, Address and Telephone Number of Minority Consultant	(Check one or both Categories)					Dollar Amount	
	Minority Business	Small Business	Black	Hispanic	Women	Caucasian	Other (Please Specify)
Keshavarz & Associates, Inc. 711 N Dixie Hwy, #201, WPB FL 33401 (561) 689-8600	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					\$287,635
Tierra South Florida, Inc. 2765 Vista Pkwy #210, WPB, FL 33409 (561) 687-8536	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					\$14,410
	<input type="checkbox"/>	<input type="checkbox"/>					
	<input type="checkbox"/>	<input type="checkbox"/>					
	<input type="checkbox"/>	<input type="checkbox"/>					
PRIME CONSULTANT TO COMPLETE:							
	TOTAL						302,045.00
BID PRICE:	\$302,045.00	Total Value of SBE Participation:		\$	302,045.00		

- NOTE:
1. The amount listed on this form for a Subconsultant must be supported by price or percentage included on Schedule 2 or a proposal from each Subconsultant listed in order to be counted toward goal attainment.
 2. Firms may be certified by Palm Beach County as an SBE and/or an M/WBE. If firms are certified as both an SBE and M/WBE, please indicate the dollar amount under the appropriate category.
 3. M/WBE information is being collected for tracking purposes only.

ATTACHMENT D

SCHEDULE 2

LETTER OF INTENT TO PERFORM AS AN SBE OR M/WBE SUBCONTRACTOR

PROJECT NO. WUD 13-060 PROJECT NAME: SW Belle Glade WM Replacement, Zone 1

TO: Keshavarz & Associates, Inc.
(Name of Prime Bidder)

The undersigned is certified by Palm Beach County as a(n) – (check one or more, as applicable):

Small Business Enterprise Minority Business Enterprise

Black Hispanic Women Caucasian Other (Please Specify)

Date of Palm Beach County Certification: May 15, 2013

The undersigned is prepared to perform the following described work in connection with the above project
(Specify in detail, particular work items or parts thereof to be performed):

Line Item/Lot No.	Item Description	Qty / Units	Unit Price	Total Price
<u>1</u>	<u>Surveying & Engineering</u>	<u>1.00</u>	<u></u>	<u>\$ 287,635.00</u>
<u></u>	<u></u>	<u></u>	<u></u>	<u></u>
<u></u>	<u></u>	<u></u>	<u></u>	<u></u>

at the following price
\$ 287,635.00
(Subcontractor's quote)

And will enter into a formal agreement for work with you conditioned upon your execution of a contract with Palm Beach County.

If undersigned intends to sub-subcontract any portion of this subcontract to a non-certified SBE subcontractor, the amount of any such subcontract must be stated: \$ 0.00

The undersigned subcontractor understands that the provision of this form to prime bidder does not prevent subcontractor from providing quotations to other bidders

Keshavarz & Associates, Inc.
(Print Name of SBE-M/WBE Subcontractor)

By: [Signature]
(Signature)

Maziar Keshavarz, P.E., President
(Print name/title of person executing on behalf of SBE-M/WBE Subcontractor)

Date: 6/21/2013

ATTACHMENT D

SCHEDULE 2

LETTER OF INTENT TO PERFORM AS AN SBE OR M/WBE SUBCONSULTANT

PROJECT NO. WUD 13-060 PROJECT NAME: SW Belle Glade WM Replacement Zone 1

TO: Keshavarz & Associates, Inc.
(Name of Prime Bidder)

The undersigned is certified by Palm Beach County as a(n) – (check one or more, as applicable):

Small Business Enterprise Minority Business Enterprise

Black Hispanic Women Caucasian Other (Please Specify) (Asian)

Date of Palm Beach County Certification: February 15, 2015

The undersigned is prepared to perform the following described work in connection with the above project
(Specify in detail, particular work items or parts thereof to be performed):

Line Item/Lot No.	Item Description	Qty / Units	Unit Price	Total Price
	Field Investigation			\$9380.00
	Laboratory Testing			\$2680.00
	Field Engineering & Technical Services			\$650.00
	Engineering & Technical Services			\$1700.00

at the following price
\$ 14,410.00
(Subconsultant's Quote)

And will enter into a formal agreement for work with you conditioned upon your execution of a contract with Palm Beach County.
If undersigned intends to sub-subcontract any portion of this subcontract to a non-certified SBE subconsultant, the amount of any such subcontract must be stated: \$ 0.00

The undersigned subcontractor understands that the provision of this form to prime bidder does not prevent subcontractor from providing quotations to other bidders

Tierra South Florida, Inc.
(Print Name of SBE-M/WBE Subconsultant)

By: [Signature]
(Signature)

Raj Krishnasamy, P.E. / President
(Print name/title of person executing on behalf of SBE-M/WBE Subconsultant)

Date: 6/17/2013

ATTACHMENT - E

AUTHORIZATION STATUS REPORT

(CONTINUED)

SUMMARY AND STATUS OF REQUESTS FOR AUTHORIZATIONS

Auth. No.	Description	Status	Project Total Amount	Date Approved	WUD No. Assigned	H&S Project No.
1	South County Water Services Replacement Project, Phase II – Survey & Design Services (R2011-1036)	100%	\$ 196,410.00	7/19/2011	11-097	
2	Village of Palm Springs Area Interconnects – 5 separate roadway surveys	100%	\$ 19,200.00	9/20/2011	11-146	
3	Surveying Services in connection with Meadowbrook Dr & L-2 Canal 6"/8" WM & 4"/6" FM X-ing Replacement	100%	\$ 3,415.00	9/22/2011	11-034	
4	Construction Services & As-built Preparation (R2012-0523) Belvedere Homes Infrastructure, Phase I	95%	\$ 381,535.00	4/3/2012	11-022	
1.1	South County Water Services Replacement Phase II – Survey & Design Services	100%	\$ 1,950.00	2/16/2012	11-097	
4.1	WM & FM Construction Services & As-Built Preparation, Belvedere Homes Infrastructure, Phase I	100%	\$ 55,200.00	5/30/2012	11-022	
5	Fairgreen Rd from W R/W Brian to E R/W Meadowbrook	100%	\$ 2,072.50	7/9/2012	11-034	
6	Pine Grove Drive, Haverhill to E3 Canal 8" WM Replace	100%	\$ 9,260.00	11/14/2012	13-007	
7	Lyons Road, L-26 to L-28 Canal, 16" Reclaim WM Ext	30%	\$ 56,280.00	3/13/2013	13-041	
4.2	Construction Survey Services & As-Built Preparation, Belvedere Homes Infrastructure, Phase I	0%	\$ 38,013.35	pending	11-022	
8	Belvedere Homes Infrastructure Phase II Construction Phase Services	0%	\$ 99,900.00	Pending	11-022	
9	SW Belle Glade Watermain Replacement, Zone 1	0%	\$ 302,045.00	Pending	13-060	
Total			\$1,165,280.85			

ATTACHMENT - F

AUTHORIZATION STATUS REPORT TELEMETRY, RECLAIMED WATER AND WASTEWATER TREATMENT

SUMMARY OF SBE / MINORITY BUSINESS TRACKING SYSTEM

	Total	SBE
Current Proposal		
Value of CSA No. 9	\$ 302,045.00	
Value of M/WBE Letters of Intent	\$ 302,045.00	\$ 302,045.00
Actual Percentage	100%	100%
Pending Proposals		
Value of CSA No. 4.2 and No. 8	\$137,913.35	
Value of M/WBE Letters of Intent	\$137,913.35	\$ 137,913.35
Actual Percentage	0%	0%
Signed Authorizations		
Total Value of Authorizations	\$725,322.50	
Total Value of M/WBE Signed Subcontracts	\$725,322.50	\$725,322.50
Actual Percentage	100%	100%
Signed Authorizations Plus Current Proposals		
Total Value of Authorizations	\$1,165,280.85	
Total Value of Subcontracts & Letters of Intent	\$1,165,280.85	\$1,165,280.85
Actual Percentage	100%	100%
GOAL	100%	100%

ATTACHMENT G

LOCATION MAP



Palm Beach County
Water Utilities
Department
Service Area (SA) and
Major Facilities

Project
Location

Legend

- ★ Amusement
- Water Treatment Facility
- Reclamation Facility
- Wastewater Reclamation Facility
- Wastewater Treatment Facility
- Mandatory Reclaimed SA
- - - Palm Beach County Limits
- P.B.C. W.U.D. Service Area

