Agenda Item # 3K-2

PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS

AGENDA ITEM SUMMARY

Meeting Date:	**September 11, 2007**	**Consent [X]**	**Regular [ ]**
		Public Hearing [ ]	
Submitted By:	**Water Utilities Department**		
Submitted For:	**Water Utilities Department**		

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: Consultant Services Authorization No. 2 to the contract with Keshavarz & Associates, Inc. (R2007-0460) for engineering services for the Glades Replacement Hospital Water Main Extension Project in the amount of $182,443.15. Payment for tasks performed under this CSA is contingent upon the execution by the Board of County Commissioners of an agreement(s) with the City of Belle Glade, the Healthcare District of Palm Beach County and/or other parties, providing for the reimbursement of all costs incurred under this CSA.

Summary: This Consultant Services Authorization provides for the surveying, civil engineering design and permitting services for the Glades Replacement Hospital Water Main Extension Project. The water main will be installed along Hooker Highway from the future Lake Region Water Treatment Plant and south along Main Street (SR 80/SR 15) connecting to the existing City of Belle Glade water main. This pipeline will provide fire flow to the Glades Replacement Hospital and the proposed expansion of the West County Detention Center. The Small Business Enterprise (SBE) participation goal established by the SBE Ordinance (R2002-0064) is 15.00% overall. The contract with Keshavarz & Associates, Inc. provides for SBE participation of 97% overall. This Authorization includes 100% overall participation. The cumulative SBE participation, including this Authorization, is 100% overall.

(WUD Project No. 07-084) District 6 (MJ)

Background and Justification: The City of Belle Glade is facing many challenges regarding public water supply. The Board approved Bulk Water Service Agreement on February 3, 2004 with the City of Belle Glade (R-2004-0245) and for the construction of a new Lake Region Water Treatment Plant. Fire flow testing of the City of Belle Glade system has determined that improvements are necessary for expansion of the proposed facilities. On February 22, 2007 the Board approved a Memorandum of Agreement for expedited permitting for the Glades Replacement Hospital. On June 5, 2007 the Board approved the jail expansion at the West County Detention Center. This pipeline will convey water from the Lake Region Water Treatment Plant to meet fire flow requirements for the Glades Replacement Hospital and the proposed expansion of the West County Detention Center. The pipeline must also be completed prior to the roof being placed upon the Glades Replacement Hospital. An Interlocal Agreement with the City of Belle Glade and the Health Care District will be utilized for reimbursement and will be submitted for Board approval with the Work Authorization for construction of the water main.

Attachments:

1. Location Map
2. Two (2) Original Consultant Authorizations No. 2

Recommended By: _____ 9/5/07
Department Director **Date**

Approved By: _____ 9/6/07
Assistant County Administrator **Date**

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2007	2008	2009	2010	2011
Capital Expenditures	$ 182,443.15	0	0	0	0
External Revenues	0	0	0	0	0
Program Income (County)	0	0	0	0	0
In-Kind Match County	0	0	0	0	0
CCRT Funds	0				
NET FISCAL IMPACT	$ 182,443.15	0	0	0	0
# ADDITIONAL FTE POSITIONS (Cumulative)	0	0	0	0	0

Budget Account No.: Fund 4011 Dept 721 Unit W006 Object 6543

Is Item Included in Current Budget? Yes X No ____

Reporting Category **N/A**

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

This project will be funded as a one-time expenditure from user fees, connection fees, and balance brought forward. An Interlocal Agreement with the City of Belle Glade and the Health Care District will be utilized for reimbursement of the cost of designing and constructing the water main improvements.

C. Department Fiscal Review: Laura M West

III. REVIEW COMMENTS

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

The timing of the reimbursement is undetermined at this time but the net fiscal impact to the Department will be $0.

9-5-07
OFMB

9/6/07
Contract Development and Control

JW

B. Legal Sufficiency:

9/7/07
Assistant County Attorney

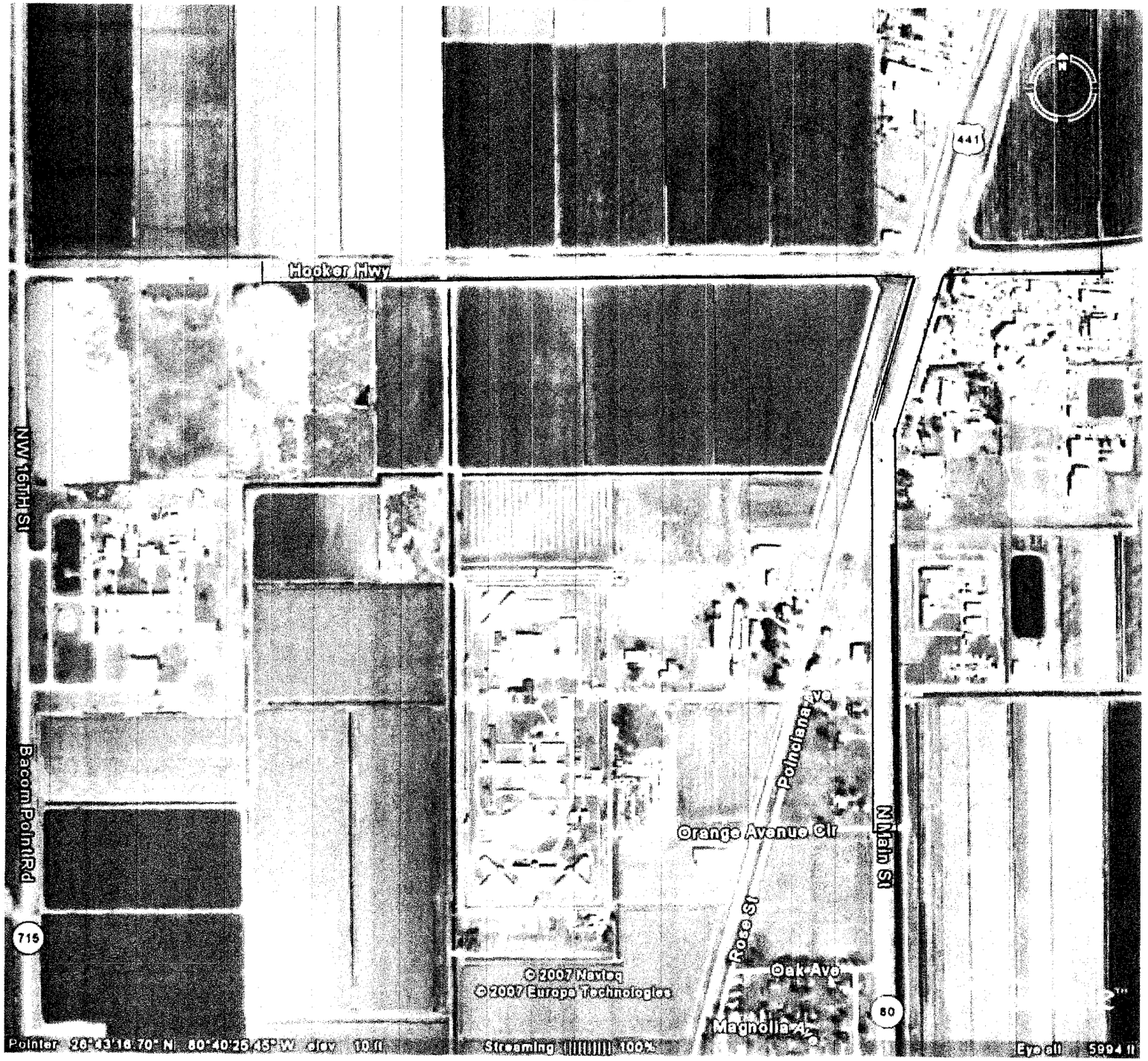
C. Other Department Review:

Department Director

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

Attachment 1

EXHIBIT "D"



CONSULTANT SERVICES AUTHORIZATION NO. 2

Project No. WUD 07-084
Budget Line Item No. 4011-721-W006-6543

Project Title: Glades Regional Hospital 12"/16" Water Main Extension Project – Surveying, Engineering Design and Permitting Services

District No.: 6

THIS AUTHORIZATION #2 to the Contract for Consulting/Professional Services original agreement dated April 10th, 2007 (Resolution/Document No. R2007-0460), 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 97% 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:

   Land Surveying and Civil Engineering Design and Permitting services in connection with the extension of approximately 8900 L.F. of 12" and 16" Water Main in order to provide potable water to the properties along Hooker Highway (SR 80) from the Water Treatment Plant easterly to the County Jail Facility and Main Street (SR 15) from SR 80 southerly to the terminus of the existing City of Belle Glade 12" Water Main.

   See EXHIBIT "A".

4. Services completed by the Consultant to date:

   See EXHIBIT "B" and "C".

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 $ N/A

   B. Fixed price of $ 182,443.15

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 07-084 AUTHORIZATION NO. 2

Budget Line Item No. 4011-721-W006-6543

8. EXCEPT AS HEREBY AMENDED, CHANGED OR MODIFIED, all other terms, conditions and obligations of the Contract original agreement dated April 10, 2007 (Resolution/Document No. R2007-0460), remain in full force and effect.

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

CONSULTANT:

FIRM: Keshavarz & Associates, Inc.

Signed: _____

Typed Name: Maziar Keshavarz, P.E.

Title: President

Date: 6/13/07

ATTEST:

_____
(Signed)

BOARD OF COUNTY COMMISSIONERS
PALM BEACH COUNTY

Signed: _____

Typed Name: Addie L. Greene, Chairperson

Date: _____

EXHIBIT A

CONSULTANT SERVICES AUTHORIZATION NO. 2

PALM BEACH COUNTY WATER UTILITIES DEPARTMENT
ENGINEERING/PROFESSIONAL SERVICES

SCOPE OF WORK
FOR
GLADES REGIONAL HOSPITAL 12"/16" WATER MAIN EXTENSION
WUD 07-084

INTRODUCTION

Palm Beach County (COUNTY) entered into an annual agreement entitled "Civil Engineering Services on a Task Order Basis" (CONTRACT) with Keshavarz & Associates, Inc. (CONSULTANT) to provide engineering/surveying services to the County (Reference Document R2007-0460). This Consultant Service Authorization will be performed under that CONTRACT.

This Consultant Services Authorization Encompasses providing survey services and water main piping design and permitting for a WUD project along the following roadways:

- Hooker Highway (SR 80) from the Water Treatment Plant easterly to the County Jail Facility; and
- Main Street (SR 15) from SR 80 southerly to the terminus of existing City of Belle Glade 12" Water Main.

BACKGROUND

This is a water main extension project for installation of approximately 8,900 L.F. of 12" and 16" water main in order to provide potable water to the properties along the referenced route.

SCOPE OF SERVICES

CONSULTANT shall proceed with the surveying, right of way mapping, drafting and design engineering services necessary to prepare detail drawings for the water main extension 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 and sanitary water mains;
2. The County will provide previously completed survey data along Hooker Highway and Main Street to Consultant in a digital format together with a hard copy set, as available.
4. The County will provide the Consultant the preliminary water main plan with water main sizing and perform all required hydraulic modeling.
5. 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.
6. Palm Beach County Water Utilities Department will be responsible for all construction services required for the project.

The Consultant will be responsible for the following items:

TASK 1: Surveying and Mapping Services

General Services for Survey Phase:
Consultant shall perform the necessary services for a Route Survey based on "State Plane Coordinates" where data was not provided by County with horizontal baseline and vertical control to be utilized in preparing design plans on 24" x 36" drawings for the following described routes:

Route 1 - Along the south side of Hooker Highway (SR 80) between the centerline of the road and south right of way line from the terminus of the 16" water main along the property line of the Water Treatment Plant easterly to the eastern property line of the County Jail facility (approximately 5400 linear feet)
hereinafter referred to as ***SR80 - WTP → Jail Facility.***

Note: Consultant anticipates this route to have been surveyed and survey data shall be provided by County.

Route 2 - Along the entire right of way of Main Street (SR 15) between the east and west right of way lines from the intersection of SR 80 and Main Street (SR 15) southerly to the point where SR 15 departs southerly from being parallel with the railroad tracks (approximately 1400 linear feet)
hereinafter referred to as ***SR15 – SR80 → RR/Roadway Fork.***

Note: Consultant anticipates this route to have been surveyed and survey data shall be provided by County.

Route 3 - Along Main Street (SR 15) between the east and west right of way lines from the point where Main Street (SR 15) departs southerly from being parallel with the railroad tracks, southerly to the point where the proposed waterline will tie into the existing City of Belle Glade water line (approximately 2100 linear feet)
hereinafter referred to as ***SR15 – RR/Roadway Fork → Existing Water Line.***

Note: 1. Consultant anticipates the northern 600 feet on the east side to have been surveyed and survey data shall be provided by County.
2. The Route Survey will be presented in the form of design base sheets. No separate "Route Survey" drawing will be provided.

Consultant shall sub-contract with "InfraMap Corp" to obtain underground utility designating and test hole services, and shall depict same on a drawing locating utilities following the sub-consultant's markings. Additionally, the sub-consultant shall perform "soft dig" operations at an estimated 10 holes, which will then be picked up by the Consultant's field survey crew. The sub-consultant's services shall be performed as a reimbursable to the County.

A. Processing and Analyzing Provided Survey Data for Routes 1 and 2 only:

1. Compile survey base file using information provided to Consultant by Client from Palm Beach County Survey Department and Brown & Phillips, Inc. Process and analyze existing survey information into one AutoCAD drawing file for the purposes of creating an engineering design file. Compare boundary lines contained within provided survey information with the right-of-way lines as shown on Florida Department of Transportation (FDOT) right-of-way maps in areas where FDOT has prepared maps.

2. Obtain additional horizontal and vertical data along the south side of SR 80 from the railroad track to the east side of the intersection of SR 15 to be used for design of jack and bore section of proposed watermain under the existing railroad tracks. Prepare engineering base map depicting same.
3. Perform subsurface investigation of existing utilities as required and mutually agreed upon by Client and Consultant. A separate fee proposal shall be submitted to WUD if this services becomes necessary.

B. Establish Horizontal Control for Route 3 only:

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.
4. Identify the limits and lines of all platted projects in the subject areas by plat number with lot and block.
5. Identify the lines and limits of all known easements of record and rights-of way of record from the property appraiser information provided by the County and plats..
6. Establish plan locations of all property lines according to recorded plats and/or legal descriptions provided by the County (descriptions shall be provided in the form of name, address and legal descriptions {PAPA} printouts form the County Property Appraisers Office).
7. Location of all above ground physical objects 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 above-ground improvements that relate to underground utilities within the right-of-way, pipe conduits and utilities within the right-of-way which include but are not limited to: FPL, BellSouth, Cable TV, Natural Gas, Potable Water, Sanitary Sewer, Storm Drainage (canals, swales, ditches, catch basin and all storm piping), etc. Available information on the existing potable water and sanitary sewer mains will be provided by the County in the form of project record drawings.
9. Locations of all railroad tracks and railroad equipment.
10. Assemble and consolidate one (1) set of computer-generated drawings the horizontal baseline information.

C. Establish Vertical Control for Route 3 only:

1. Assemble and consolidate on to (1) set of computer-generated drawings the vertical baseline information for all referenced routes.
2. Elevations described below shall be referenced to an existing established County benchmark. Establish a benchmark for construction purposes within the project area and indicate the location on the plan drawing.
3. Establish grade at 100' intervals within the routes described as SR80 - WTP → Jail Facility and SR15 – SR80 → RR/Roadway Fork. Elevations shall be taken at the center of the roadway, edge of pavement, 5' off the edge of the roadway, bottom of the swale and at the right-of-way line.
4. Establish grade at 100' intervals within the route described as SR15 – RR/Roadway Fork → Existing Water Line. Elevations shall be taken at the center of the roadway, both edges of pavements (right and left), 5' off the edge of the roadway (right and left), bottom of the swale (right and left) and at the right-of-way line.
5. Establish grades for railroad crossings to include toe and top of any railroad embedment, top of existing rails, top of foundations for any equipment and spot elevations on a 25' grid for the route described as SR80 - WTP → Jail Facility.
6. Invert of all storm drainage and tops of all catch basin rims within the right-of-way for all referenced routes.

7. Top of existing potable water main and sanitary sewer main when potholed by others for all referenced routes. If this service becomes necessary, Consultant shall contract with a sub-consultant approved by WUD and issue a separate proposal to WUD.
8. Elevations of all driveways the following locations:
   a) Intersections of edge of driveway and roadway
   b) Edges of driveway at swale flow line
   c) Edges of driveway from edge of pavement to the right-of-way

Note: Plan view location will be provided at 1" = 30'

TASK 2: Water Main Design

General Services for Design Phase:
Consultant shall prepare and furnish the water main plan on 24" x 36" drawings. The Consultant shall submit 30%, 60% and 90% complete design drawings along with the service locations. The Consultant Engineer will complete 100% design drawings after receipt of 90% review comments.

1. Request utility locations (electric, gas, phone, CATV, etc.) within the project area and indicate locations on the drawings.
2. Determine number, size and location of water services based on field observation and Property Appraiser's PAPA System. Provide service addresses based on field observation of mailboxes and structures.
3. Provide water main design in plan and profile view. Provide detailed notes for installation of water main at storm sewer and sanitary sewer conflicts. The Consultant shall submit three (3) sets of black line drawings at each stage of completion of design.
4. Provide the final water main design in plan and profile view, 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 AutoCAD Release 2007 computer-drawing files on CD-ROM or through the Internet.
5. Provide a separate set of plans, details and specifications for the proposed crossing of the water main under the "CSX" Railroad.

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: Palm Beach County Water Utilities Department (PBCWUD), Palm Beach County Health Department, City of Belle Glade, FDOT, Railroad (South Central Florida Express)

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:

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

COMPENSATION:

Task 1	Surveying and Mapping	$ 40,014.00
Task 2	Engineering Design	$ 104,091.00
Task 3	Permitting	$ 25,500.00
	Direct Expenses, Subconsultant, Printing, etc.	$ 12,838.15
	TOTAL	**$ 182,443.15**

M/WBE PARTICIPATION

As prescribed under Section 7.5 of the CONTRACT, M/WBE participation is included in Attachment B under this Authorization. The attached Schedule 1 defines the M/WBE participation.

ATTACHMENT – A	**Budget Summary**
ATTACHMENT – B	**Project Schedule**
ATTACHMENT – C	**M/WBE Schedules 1&2**
ATTACHMENT – D	**Location Map**

KESHAVARZ & ASSOCIATES, INC.

WUD 07-084 Glades Regional Hospital
Approximately 8,650 L.F. of Pipeline

Attachment "A"

K&A Project No. 07-008
June 5, 2007

ENGINEERING WORK ELEMENT	*PROJECT MGR $/hr*	*SR ENGR $/hr*	*PROJECT ENGR $/hr*	*DRAFTING $/hr*
	$150.00	$135.00	$107.00	$81.00
Preliminary Coordination & Project Kickoff with WUD forces	8	8	8	
Field Visit & Photo Pipeline Route		6	8	
Pre/during design coord, mtgs, exch data w/Consultant for "County Jail", "New Hospital" and City of Belle Glade to determine servicing arrangements/location of exist WM (soft dig/potholing by others)	4	16	24	
30% Design - Depict Existing Improvements, Prelim Pipeline Route in Plan & Profile, Prelim WUD Details (15 Sheets)	2	30	60	120
"Other" Utilities Contacts/Coordination/Data Exchange	2	10	18	
60% Design - 30% Design Modified per WUD Comments, Conflicts/Crossings/Deflections Identified, WUD Details Finalized	5	30	60	120
Coordinate Field Identification of Utilities for Potholing (by others)				
90% Design - 60% Design Modified per WUD, Potholing Complete/Conflicts Resolved/Crossingsz&Deflections Detailed	5	45	60	120
100% Design - 90% Design Modified per WUD Comments	2	12	24	72
"CSX" Railroad Crossing Plans and Details	6	16	40	40
Permitting (FDOT, City of Belle Glade, FL DEP, CSX Railroad)	16	40	120	60
Quantity Take-Off & Estimate of Probable Construction Costs Suitable for Contractor Selection	2	8	10	18
Pre-construction Meeting & Associated Services		4	8	
Field Observation to Support Construction Certification as EOR				
TOTAL Hours	52	225	438	550
FEE Estimate	$7,800.00	$30,375.00	$46,866.00	$44,550.00
TOTAL ENGINEERING				$129,591.00

SURVEYING WORK ELEMENT	*PROJECT MGR $/hr*	*P.S.M. $/hr*	*SURVEY CREW $/hr*
	$150.00	$108.00	$135.00
Task A-1; Process and Analyze provided Survey Data for Routes 1 and 2	8	40	0
Task A-2; Establish Horizontal/Vertical Control, Obtain Additional Horizontal/Vertical Data for CSX Crossing	4	8	16
Task A-3; Subsurface Investigation of Existing Utilities	0	0	0
Produce Engineering Base Drawings Resulting from Tasks A-1 and A-2	8	40	0
Task B; Establish Horizontal Control for Route 3	2	16	40
Task C; Establish Vertical Control for Route 3	2	16	40
Prepare Engineering Base Drawing Resulting from Tasks B and C	2	24	0
Field acquisition of utility locates and 'soft dig' areas (estimated at 10), and coordinate with "Utility Locates" Subconsultant; depict findings on survey	1	19	40
TOTAL Hours	27	163	136
FEE Estimate	$4,050.00	$17,604.00	$18,360.00
TOTAL SURVEY			$40,014.00

SUMMARY:	
Total Engineering	$129,591.00
Total Surveying	$40,014.00
Direct Expenses (printing, etc.) @ 3%	$5,088.15
Reimburseable / Subconsultant (proposal attached plus est 10 'soft dig' at $275 ea)	$7,750.00
GRAND TOTAL	**$182,443.15**

ATTACHMENT - B

PROJECT SCHEDULE

SCHEDULE

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

Engineering Services		*Completion Date From Notice to Proceed*
Task 1	Surveying and Mapping	30 days
Task 2	Engineering Design	75 days
Task 3	Permitting	90 days

ATTACHMENT C

SCHEDULE #1

LIST OF PROPOSED SBE-M/WBE PRIME/SUBCONTRACTORS

PROJECT NAME: **Glades Regional Hospital 12"/16" Water Main Extension** PROJECT NUMBER: WUD 07-084

NAME OF PRIME BIDDER: **Keshavarz & Associates, Inc.** ADDRESS: **711 N. Dixie Hwy, Suite 201, WPB, FL 33401**

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

BID OPENING DATE: _____ DEPARTMENT: **Water Utilities Department**

PLEASE IDENTIFY ALL APPLICABLE CATEGORIES

Name, Address and Telephone Number of Minority Contractor	(Check one or both Categories) Minority Business	Small Business	Dollar Amount Black	Hispanic	Women	Caucasian	Other(Please Specify)
Keshavarz & Associates, Inc. 711 N. Dixie Hwy, Suite 201 West Palm Beach, FL 33401 (561) 689-8600	X	X	$	$	$	$	$ 182,443.15

PRIME CONTRACTOR TO COMPLETE:
BID PRICE: $182,443.15

TOTAL $ $ $ $ $ 182,443.15

Total Value of SBE Participation: $ 182,443.15

NOTE:
1. The amount listed on this form for a Subcontractor must be supported by price or percentage included on Schedule 2 or a proposal from each Subcontractor 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 dedicate the dollar amount under the appropriate category.
3. M/WBE Information is being collected for tracking purposes only.

ATTACHMENT C

SCHEDULE 2

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

PROJECT NO. **WUD 07-084**
PROJECT NAME: **Glades Regional Hospital 12"/16" Water Main Extension**
Land Surveying, Engineering Design and Permitting Services

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 **X** Minority Business Enterprise **X**

Black ____ Hispanic ____ Women ____ Caucasian ____ Other (Please Specify) **X**

Date of Palm Beach County Certification: **December 6, 2006**

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
1	Surveying and Mapping			40,014.00
2	Engineering Design			104,091.00
3	Permitting			25,500.00
4	Direct Expenses, Subconsultant			12,838.15

at the following price **182,443.15**
(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: $ N/A .

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

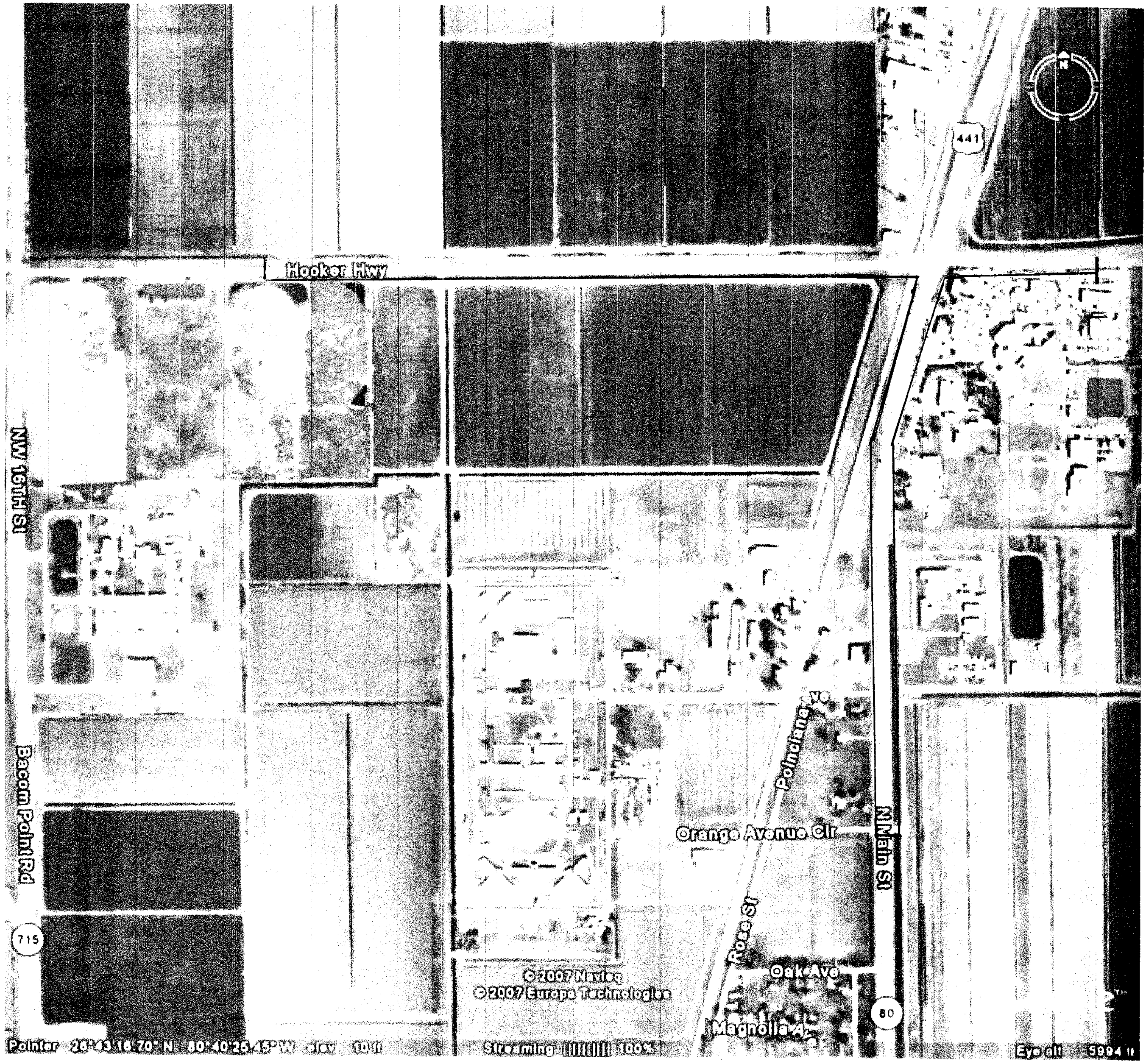
Keshavarz & Associates, Inc.
(Print Name of SBE-M/WBE Subcontractor)

By: _____
(Signature)

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

Date: 6/6/07

EXHIBIT "D"



Hooker Hwy
441
NW 16TH St
Bacom Point Rd
715
Poinciana Ave
Orange Avenue Clr
N Main St
Rose St
Oak Ave
Magnolia Av
80
© 2007 Navteq
© 2007 Europa Technologies
Pointer 26°43'16.70" N 80°40'25.45" W elev 10 ft
Streaming 100%
Eye alt 5994 ft

InfraMap CORP

Date: May 29, 2007

Presented to: Keshavarz & Associates, Inc.
711 North Dixie Highway Suite 201
West Palm Beach, Fl 33401
Phone No.: 561-689-8600
Fax No.:561-689-7476

Attn: Scott Bryson, PSM

Project name: Utility Designating and Test Hole Services
Utility Locates for Glades Regional Hospital Water Line Design.

As requested, we have prepared this proposal for underground utility designating and test hole services for the above referenced project. This proposal is based upon phone conversations and plans receiving at our office on 5/29/07. IMC will map the area shown on the provided plans and excavate test holes at the locations shown.

SUBSURFACE UTILITY DESIGNATING SERVICE

Specifications and Work Process

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

1. Identify and contact entities that are likely to own plant within the project limits. We will request documentation on subsurface utilities from these sources. 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 they 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. InfraMap Corp. will make all information gathered available to the client.

2. Conduct a thorough electronic search of the site for the buried utility systems shown on records acquired. Verify that each utility has been electronically located and targeted. 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.

3. Designators will draft field sheets that show the location, trend and configuration of utilities detected. Field sheets will show all underground utility surface features and lines, and will be prepared with colored pencil to differentiate the utility systems. Utilities will be annotated with

size and project specific field notes will be shown.

4. Field sheets will be provided to the project surveyors. They will occupy the project control and survey utility line targeting and utility surface features, such as valves, manholes, hydrants, pedestals, transformers, etc. The survey control shall be provided by the client. The survey process will utilize a coded data collection system to enable automatic processing and linework generation in Autocadd or Microstation, as required (referred to as "drafting in the field").

5. In the office, the data will be processed into an Autocadd or Microstation file with utility linework and symbols shown in the appropriate cadd standards. IMC default cadd standards will be used unless client standards have been provided as prearranged. Lines will be annotated as to the size and type of utility as per the field sheets and records. Plots will be made for final review with client provided project topography referenced as background. The plots will be reviewed for accuracy by comparing them to all field sheets and utility records.

6. A final field review will be performed on most designating projects. This quality assurance function involves taking final review plots to the project site. There, the utility linework and surface feature locations on the plots with base topography background are checked against field paint and actual surface feature locations. This is done with a scale on the plots and taping between site features. The intent of this task is to check the work of the designators, surveyors and draftspersons and to ensure all utility locations are within tolerance (1'+/-).

7. Deliverables will include an Autocadd or Microstation file of the existing underground utilities and surface features. Each type of utility will occupy a different layer or level. IMC will also provide plots of this file with client provided topography referenced as background. The client shall compare the electronic file to the plots to ensure the electronic file received was not corrupt or incomplete. After copying the file to disk, IMC will open the file from the disk to ensure proper operation. IMC will also virus check the disk.

8. This service will be provided with due diligence and in a manner consistent with standards of the subsurface utility mapping industry. Every reasonable effort will be made to locate all systems of interest whether indicated on records available to us or not. However, we do not guarantee that all existing utility systems can or will be detected. It may not be possible to detect utilities wothout prior knowledge, such as systems that are not depicted on records available to us. Further, this service is not intended to detect non-utility structures such as but not limited to: foundations, buried tanks, septic systems, wells, tunnels, concrete or metal structures, or the true size and limits of subsurface utility vaults and manholes. This service represents the best available data on subsurface utilities given a cost effective investigation that does not involve excavation. 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.

SUBSURFACE UTILITY LOCATING BY AIR/VACUUM TEST HOLE

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.

During the performance of test hole operations, IMC will perform the following functions.

1. Supply qualified personnel and provide them with the appropriate equipment, resources, transportation and field supplies to perform the requested services.

2. Coordinate with the Client to determine what test holes are needed and their expected locations.

3. 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.

4. 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.

5. At the approximate point of possible conflict with the proposed improvement, excavate a test hole using air/ vacuum excavation. Provide all measures 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.

6. 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.

7. 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.

8. Repair and restore all pavement cuts to insure a long lasting, permanent repair. 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, it is the responsibility of the client/permit holder to provide for restoration and compaction of the hole to the complete satisfaction of the permitting agency.

9. Record the location of the permanent marker with a minimum of three (3) swing tie measurements to convenient existing permanent structures on site.

10. 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. Cadd Test Hole Forms. Also, provide a Test Hole Inventory report to list numerically the test holes completed/ attempted. Test hole locations will be added to the Autocadd or Microstation file and submitted as described in Designating Specification No. 7.

12. Technical limitations of small hole Air/Vacuum excavation:

13. 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" x 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 the test hole. The diameter of pipes less than 24" is determined by exposing half or all of the pipe, as needed, and directly measuring the outside diameter with a wooden 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 and needs to be requested specifically.

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).

14. This service will be provided with due diligence and in a manner consistent with standards of the sub-surface utility locating industry. Every reasonable effort will be made to locate all utilities requested. However, we do not guarantee that all existing utility systems can be located or exposed. It may not be possible to detect utilities without prior knowledge, such as systems that are not depicted on records available to us. Further, this service is not intended to locate non-utility structures such as but not limited to: foundations, buried tanks, septic systems, wells, tunnels, concrete or metal structures etc., unless specifically mentioned in the SCOPE statement. This service represents the best available data on sub-surface utilities given a cost effective investigation using air/vacuum excavation. 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. InfraMap Corp. is not responsible for utilities located underneath other utilities. If records research is not part of the scope of services, utility owners or their field agent's marks will be used to identify utilities; we are not responsible for correcting mistakes made by other locators.

SCOPE OF SERVICES

DESIGNATING

Project limits/description: From the center line to the south R/W of Hooker Hwy. (SR 80) From the property line of the proposed water treatment plant to the east property line of the County Jail facility.

Along Main Street (SR 15) from R/W to R/W, from the intersection of SR 80 and Main Street (SR 15) Southerly to the point where the proposed water line will tie into the existing City of Belle Glade water line, (approximately Orange Avenue Circle).

Utility systems and surface amenities to be investigated and documented: All utilities, excluding gravity storm and sanitary sewer systems. Commercial utility services will be designated. Residential utility services will not be designated. Designating up side streets will continue 100' past the right of way line of the main road.

Survey type: Survey to be performed by others.

CADD platform: AutoCAD or Microstation, as required.

TEST HOLES
Test holes to be performed: As requested by client.

Project schedule: To begin within one weeks of NTP and to complete within three weeks of start, weather permitting.

FEE SCHEDULE

2 person designating crew 40/hours @ $125.00/hr. = $ 5,000.00

TEST HOLE ESTIMATE

test holes @ $ 275.00 per hole:

Total Project Estimate: $ 5,000.00

Billing will reflect actual number of test holes performed and depth encountered. The above fees represent a lump sum (designating) and unit prices (test holes) to perform this work. The total price is based on the project and limits described. Should the scope of the project change or field conditions unknown to us at this time warrant, we will request additional compensation for additional work beyond this price. This price will not be exceeded without prior authorization from the client.

PAYMENT TERMS

Terms of payment are subject to modification by seller (IMC). 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. (IMC) 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 IMC will receive payments from Buyer within 15 days of Buyer being paid. If this is not the case then IMC 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.

Presented by: _____ 5-30-07

Name — Date

Title

InfraMap, Corp.

Accepted: _____ 6,7,07

Authorized Signature — Date

EXHIBIT - B

AUTHORIZATION STATUS REPORT

(CONTINUED)

SUMMARY AND STATUS OF
REQUESTS FOR AUTHORIZATIONS

Auth. No.	Description	Status	Project Total Amount	Date Approved	WUD No. Assigned	K&A Project No.
1	ABERDEEN RECLAIMED WATER PIPELINE	90%	99,861.00	4/10/07	06-183	07-005
2	GLADES REGIONAL HOSPITAL WATER MAIN EXT.	Pending	182443.15		07-084	07-008
	Total		**$282,304.15**			

EXHIBIT - C

AUTHORIZATION STATUS REPORT

SUMMARY OF
SBE / MINORITY BUSINESS TRACKING SYSTEM

	Total	SBE
Current Proposal		
Value of Authorization No. 2	$182,443.15	
Value of M/WBE Letters of Intent	$182,443.15	$182,443.15
Actual Percentage	100%	100%
Signed Authorizations		
Total Value of Authorizations	$99,861.00	
Total Value of M/WBE Signed Subcontracts	$99,861.00	$99,861.00
Actual Percentage	100%	100%
Signed Authorizations Plus Current Proposal		
Total Value of Authorizations	$282,304.15	
Total Value of Subcontracts & Letters of Intent	$282,304.15	$282,304.15
Actual Percentage	100%	100%
GOAL	11.1%	11.1%