

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2020	2021	2022	2023	2024
Capital Expenditures	\$306,268	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Operating Costs	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
External Revenues	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Program Income (County)	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
In-Kind Match County	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
NET FISCAL IMPACT	<u>\$306,268</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>W026</u>	Object <u>6541</u>	

Is Item Included in Current Budget? Yes X No

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

Reporting Category N/A

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

One (1) time expenditure from user fees, connection fees and balance brought forward.

C. Department Fiscal Review: _____

III. REVIEW COMMENTS

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

Delegated Reviewer 10/4/19
 OFMB 10/10/19

Ann S. Jacoby 10/10/19
 Contract Development and Control
 10/9/19 TD

B. Legal Sufficiency:

[Signature] 10/15/19
 Assistant County Attorney

C. Other Department Review:

 Department Director

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

CONSULTANT SERVICES AUTHORIZATION NO. 12

Palm Beach County Water Utilities Department
Consulting/Professional Services Water Treatment
and Water Resources Engineering Services

Resolution #2017-0903 Contract Dated July 11, 2017

Project Title: High Service Pump Station Electrical Building Improvements Construction Services

WUD Project No.: 18-005

Consultant: Kimley-Horn and Associates, Inc.

Address: 1920 Wekiva Way, Suite 200, West Palm Beach, FL 33411

Budget Line Item No. 4011-721-W026-6541

District No.: 6

This Consultant Services Authorization provides for: _____

Construction Phase Services for the new Water Treatment Plant No. 11 (WTP11) High Service Pump Electrical Building. Construction Phase Services will entail submittal reviews, responses to Requests for Information, site inspections, progress meeting attendance, permitting support and preparation of record drawings. On November 11, 2017, the Board of County Commissioners approved Consultant Services Authorization (CSA) No. 4 with Kimley-Horn and Associates, Inc., to provide design, permitting and bidding services for the new High Service Pump Station Electrical Building at WTP11. CSA No. 12 provides for the continuation of Kimley-Horn and Associates' involvement through construction and project closeout.

(See ATTACHMENT A for detailed scope of services)

The Contract provides for 28% SBE participation and 7% M/WBE participation. This Consultant Services Authorization includes 48.09% SBE participation and 48.09% M/WBE participation. The cumulative SBE and M/WBE participation, including this authorization is 30.03% and 14.51% participation, respectively.

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 \$ 306,267.12

B. Fixed price of \$ 0.00 (N/A)

C. Total \$ 306,267.12

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. 12

**Palm Beach County Water Utilities Department
Consulting/Professional Services Water Treatment
and Water Resources Engineering Services
Resolution #2017-0903 Contract Dated July 11, 2017**

Project Title: High Service Pump Station Electrical Building Improvements Construction Services

WUD Project No.: 18-005

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 July 11, 2017 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. 12

Palm Beach County Water Utilities Department
Consulting/Professional Services Water Treatment
and Water Resources Engineering Services
Resolution #2017-0903 Contract Dated July 11, 2017

Project Title: High Service Pump Station Electrical Building Improvements Construction Services

WUD Project No.: 18-005

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: _____

CI

Signed: _____

JCS Mack Bernard, Mayor

Typed Name: _____
Deputy Clerk

_____ Date

Approved as to Form and Legal
Sufficiency

CONSULTANT: Kimley-Horn and Associates, Inc.

Signed: _____

[Signature]
(Signature)

Typed Name: _____
County Attorney

Kevin M. Schanen, P.E., Sr. Vice President
(Name and Title)

10/1/19
Date

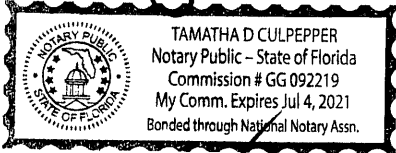
STATE OF FLORIDA

COUNTY OF Palm Beach

The foregoing instrument was acknowledged before me this 1st day of October, 2019,

by Kevin Schanen PE as Sr VP
for Kimley-Horn and Assoc

[Signature]
(Signature of Notary Public - State of Florida)



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

Personally Known OR Produced Identification _____ Type of Identification Produced _____

Kimley»»Horn

September 18, 2019

Certificate of Secretary

To Whom It May Concern:


I am the duly qualified and acting Secretary of Kimley-Horn and Associates, Inc., a North Carolina Corporation.

The following is a true copy of a resolution duly adopted by the Board of Directors of the corporation at the Board meeting held on December 18, 2018 and entered in the minutes of such meeting in the minute book of the corporation.

"The Board unanimously approved the contract signing authority of employees as presented." (A copy of the employee lists as presented is enclosed.)

The resolution is in conformity with the articles of incorporation and bylaws of the corporation, has never been modified or repealed, and is now in full force and effect.

Dated:


Richard N. Cook, Secretary

(corporate seal)



Kimley-Horn and Associates, Inc.
STANDARD CONTRACT SIGNING AUTHORITY
December 18, 2018

These persons have authority to sign contracts using unmodified Kimley-Horn forms (not client-drafted contracts).

ATLANTIC
BALTIMORE
Leffner, Nicholas

NEWPORT NEWS
Weist, Jamie H.

NORTHERN VIRGINIA
Albright, Michael R.
Bollinger, Kyle T.
Harris, Michael J.
Kagawa, Ron M.
Markham, Daniel C.
McCray, Danielle R.
Millot, Sean M.
Samba, David B.
Smith, Andrew T.
Teague, M. Zach

PHILADELPHIA
Caponigro, Anthony A.
Hughes, Paul W.

PRINCETON
Hebert, Carlin J.
Motiana, Dhanesh

RICHMOND
Boyd, Mark R.
Ellington, David B.
Perkins, Ryan R.

VIRGINIA BEACH
Dallman, David B.
Farthing, Andrew P.
Funk, Gerald
Niss, Robyn M.
Wharton, Michelle L.
Williams, Kyle D.
Yee, Leong Wee

WHITE PLAINS
Canning, T. John

CALIFORNIA
LOS ANGELES
Chakravarthy, Srikanth
Chapman, Ryan S.
Choi, Michael
Osborne, Robin W.

OAKLAND
Dean, Felicia C.
Chang, Elbert

ORANGE
Gillis, Brian R.
Holst, Tyler J.
Melchor, Jason J.

PLEASANTON
Johnson, Miles R.
Mehta, Parag G.
Whaley, Tyler J.

RIVERSIDE
Hoffman, Frank
Tomas, Kevin G.

SACRAMENTO
Carley, Daniel C.
Tait, Zachary T.

SAN DIEGO
Koopman, Jennifer R.
McCormick, Matthew
Sorenson, David K.
Ulery, Megan R.

SAN JOSE
Hamilton, Robert J.
Worthington-Forbes, Laura

FLORIDA
BOCA-DELRAY
Spruce, Michael D.

FORT LAUDERDALE
Dabkowski, Adrian K.
Robertson, Stewart E.

FORT MYERS
Van Buskirk, Peter T.
Wicks, Amy N.

JACKSONVILLE
Schilling, William J.

GAINESVILLE
Brighton, Ali H.
Towne, Christopher

MOBILE
Walker, Jordan W.

OCALA
Garri, Alan J.
Gartner, Amber L.

ORLANDO
Burkett, Leon F.
Stickler, Jennifer J.
Tate, Jr., S. Clif

SARASOTA
Conerly, William E.
Pankonin, James R.

ST. PETERSBURG
Wood, William W.

TAMPA
Hatton, Christopher C.
Linden, Nathan R.

VERO BEACH
Husainy, Kinan F.
Thomas, Melibe S.
Van Rens, Peter J.

WEST PALM BEACH
Fairchild, Angelina
Potts, John E.

MIDWEST
CHICAGO DOWNTOWN
Lemmon, Peter

CHICAGO SUBURBAN
Cooper, Jason C.
Kaufman, Philip R.
Rahman, M. Anees

INDIANAPOLIS
Sheward, Bryan A

ROCHESTER
Payne, Lucas C.

TWIN CITIES
Elegert, Brandon R.
Lincoln, Thomas J.
Pertzsch, Jerry D.
Robinson, Gregory W.
Sieh, Patricia D.
Witzig, Jeanne M.

MOUNTAIN
DENVER
Heiberger, John
Skeehan, Daniel L.
Sobieski, Dennis
Steder, Matthew C.

LAS VEGAS
Andryscik, Kory J.
Belsick, Jody

MESA
Burm, Jason M.

PHOENIX
Burgess, Lisa M.
Burns, Leslie D.
Delmarter, Michael L.
Haney, Stephen E.
Woolery, Christopher C.

SALT LAKE CITY
McDougald, Brandon D.

TUCSON
Rhine, Timothy J.

SOUTHEAST
ALPHARETTA
Fanney, Angela L.
Markland, Keith R.
West, Brian B.

ATLANTA
Ergle, Kevin B.

ATLANTA MIDTOWN
Bosman, Eric S.
Coleman, Sean H.
Strychalski, Raymond P.
Triplett, Katherine R.

CHARLESTON
Guy, Jonathan R.
Warfield, M. Casey

CHARLOTTE
Taylor, Benjamin S.
Watts, Austin L.

COLUMBIA
Williamson, Nicholas R.

DURHAM DOWNTOWN
Lewelyn, Earl R.

LEXINGTON
Heustess, Aaron M.

MEMPHIS
Monroe, Kenneth W.

NASHVILLE
Boles, Brendan
Creasman, Brett
McMaster, Ryan

RALEIGH
Bostic, Christopher O.
Cochran, Adam P.
Gresham, Teresa R.
Hachem, Stephanie L.
Howell, Cory J.
Moore, Jeffrey W.
Reed, Elizabeth A.
Robinson, Larry D.

TEXAS
AUSTIN
Hudson, Harrison
Mason, Sean R.
Neal, Trey A.
Parker, Brian J.
Smith, Robert J.

BRYAN/COLLEGE
STATION
Harris, Joseph C.

DALLAS
Galloway, Steven D.
Gaskey, Kevin S.
Kacir, Kent C.
Lucas, Matthew A.
Meza, Sarah M.
Millner, Daniel C.
Moss, Bradley J.
Sulkowski, Nicholas E.

FORT WORTH
Morales, Hugo

FRISCO
Coppin, Thomas G.
Dickey, Kyle A.
Kennedy, Russell L.
Safford, Ryan C.

HOUSTON
Frysiner, Ashley M.
Kirkland, Mark R.

LAS COLINAS
Ante, L. Nathan
Delmotte, Ryan M.

MCKINNEY
Riccardi, Joseph C.

SAN ANTONIO
Cox, B. Matthew
Holscher, Nicholas F.

THE WOODLANDS
Freeman, Jr., Steven C.

Kimley-Horn and Associates, Inc.
FULL CONTRACT SIGNING AUTHORITY
December 18, 2018

ATLANTIC

BALTIMORE

Falk, Katherine W.
Kraft, Jonathan H.

HOBOKEN

Gibson, Adam T.

NEWPORT NEWS

Collins, Carroll E.

NORTHERN VIRGINIA

Ameel, Adrienne C.
Carter, Erica V.
Elman, Paul D.
Giffin, Geoffrey D.
Kauppila, John L.
Lefton, Steven E.
Martin, Robert J.
Murphy, Terence T.
Sauro, Thomas J.
Stevens, Ross S.
Whyte, Richard D.
Yarnal, Brian D.

PRINCETON

Diggan, Tony W.

RICHMOND

Brewer, Brian J.
Harmon, Amanda R.
Hill, Corey
Licklitter, Ashley C.
McPeters, Brian A.
Musarra, Salvatore J.
White, Timothy E.

VIRGINIA BEACH

Chambers, Jon S.
Crum, Katie E.
France, William D.
Jucksch, Rebecca R.
Mackey, William F.
Marscheider, Edward A.
Mertig, Karl E.
Miller Edward W.
Nash, William A.
Royal, Jack R.
Tewksbury, Carl F.
Votava Charles F.

WHITE PLAINS

Van Hise, Kevin

CALIFORNIA

LOS ANGELES

Blume, Robert D.
Fares, Jean B.
Kerry, Nicole M.
Kyle, Gregory S
Phaneuf, Alyssa S.

OAKLAND

Akwabi, Kwasi
Dankberg, Adam J.
Durrenberger, Randal R.

ORANGE

Adrian, Darren J.
Ciandella, Serine A.
Hourigan, E. Vincent
Matson, Jason B.
Melvin, M. Pearse
Phillips, Chad E.

PLEASANTON

Mowery, Michael C.
Pulliam, John E.
Sowers, Brian E.

SACRAMENTO

Melvin, Enda
Pittalwala, Fareed S.
Weir, Matthew D.

SAN DIEGO

Barlow, Matthew T.
Espelet, Leonardo E.
Harry, Jennifer L.
Kaltsas, Joseph D.
Knapton, Michael J.
Landaal, Dennis J.
McWhorter, Samuel L.
Podegracz, Anthony J.
Ross, Michael S.

SAN JOSE

Hedayat, Leyla
Meyerhofer, Peter N.
Venter Frederik J.

FLORIDA

BOCA-DELRAY

Schwartz, Michael F.
Webber, Jason A.

FORT LAUDERDALE

Alam, Mudassar M.
Capelli, Jill A.
Falce, Christopher T.
McWilliams, John J.
Ratay, Gary R.
Saxena, K.K.

JACKSONVILLE

Brenny, Martin T.
Mecca, Joseph P.
Roland, George E.

LAKELAND

Bulloch, Kelly B.
Lewis, Jason A.
Wilson, Mark E.

MIAMI

Baldo, Burt L.
Buchler, Aaron E.
Collier, Julio A.
Fernandez, Jorge L.

OCALA

Bryant, M. Lewis
Busche, Richard V.

ORLANDO

Chau, Hao T.
Jackson, Jay R.
Martin, Jonathan A.
Mingonet, Milton S.
Thigpen, Jonathan D.
White, Wayne E.

SARASOTA

Klepper, B. Kelley
Nadeau, Gary J.
Schmid, Seth E.
Stovall, Thomas M.

ST. PETERSBURG

Dodge, Dawn M.

TALLAHASSEE

Barr, Richard R.
Sewell, Jon S.
Wetherell, Ryan S.

TAMPA

Gilner, Scott W.
Lee, Nathan Q.

VERO BEACH

Cave, Derrick B.
Good, Brian A.
Peed, Brooks H.
Roberson, Kevin M.
Stephens, Britt L.

WEST PALM BEACH
Atz, John C.
Barnes, R. Russell
Campbell, David C.
Heggen, Christopher W.
Mufteh, Marwan H.
Rapp, Bryan T.
Schanen, Kevin M.
Sumislaski, James M.
Walthall, David W.

MID-WEST

CHICAGO

DOWNTOWN

Dvorak, Jr., William E.
Marnell, Colleen L.
Morton, Jr., Arthur J.
West, Craig L.

CHICAGO

SUBURBAN

Antony, Dean M.
Heinen, Andrew N.
Sjogren, Timothy

COLUMBUS

Muller, Justin M.

INDIANAPOLIS

Butz, Jr., William A.

TWIN CITIES

Bishop, Mark C.
Coyle, Daniel J.
Danielson, Paul B.
Henderson, Benjamin J.
Horn, Jon B.
Leverett, Christopher C.
Matzek, William D.
Williamson, Sarah T.

MOUNTAIN

DENVER

Colvin, Scott W.
Krell, Gabriel M.
Phelps, Randall J.
Rowe, Curtis D.
Salvagio, Robin
Turner, Meaghan M.
Valentine, Brian W.

LAS VEGAS

Ackeret, Kenneth W.
Colety, Michael D.
Moles, Richard A.

MESA

Grandy, Michael L.
Margetts, Sterling T.
Walnum, Nathan C.

PHOENIX

Conrad, John R.
Hermann, Michael J.
Kimm, Kevin J.
Kissinger, John C.
Leistiko, David J.
Mutti, Brent H.
Noon, Lisa K.
Omais, Ahmad A.
Perillo, Adam C.
Purtle, Vicki L.
Schiller, Michael G.
Smalkoski, Brian R.
Williams, Laura J.

RENO

O'Brien, Molly M.

SALT LAKE CITY

Johnson, Zachary A.

TUCSON

Crowther, Brent C.

SOUTHEAST

ALPHARETTA

Fanney, Lawson H.
Hamilton, James R.
James, Alvin B.
Walker, John D.
Webb, Floyd C.

ATLANTA

Newton, Gary T.
Rushing, Michael L.

ATLANTA MIDTOWN

Fink, Kenneth L.
Johnston, Sean P.
Meador, Emily H.
Montanye, Emmeline F.
Ross, Robert A.
Stricklin, David L.

CHARLOTTE

Blakley, Jr., Stephen W.
Edwards, Matthew A.
Hume, Robert M.
Wilhelm, William R.

COLUMBIA

Iser, Christopher M.

DURHAM DOWNTOWN

Beck, Chadwick W.

MEMPHIS

Collins, James F.
Danley, Drake E.

NASHVILLE

Dufour, Zachary J.
Rhodes, Christopher D.

RALEIGH

Adams, Richard C.
Balltzglier, Lindsey
Barber, Barry L.
Byrd, Michael N.
Cook, Richard N.
Deans, Neil T.
Dunzo, Mark W.
Flanagan, Tammy L.
Kuzenski, John
McEntee, David L.
Nuckols, Charles A.
Rohrbaugh, Richard R.
Squires, Christopher A.
Sutter, Karl V.
Venters, Samantha
Wilson, Jon E.
Wilson, Mark S.

Kimley-Horn and Associates, Inc.
FULL CONTRACT SIGNING AUTHORITY
December 18, 2018

TEXAS

AUSTIN

Boecker, Brian C.
Van Leeuwen, Andrew

DALLAS

Hall, James R.
Harris, Mark E.
Henigsman, Dean A.
Hoppers, Kevin P.
Nathan, Aaron W.
Smith, Eric Z.
Swindler, Roderick P.

FORT WORTH

Arnold, Scott R.
Gary, Glenn A.
James, Jeffery

FRISCO

Brignon, Brit A.
McCracken, Paul D.

HOUSTON

Frysinger, Chris V.
Guillory, Michael B.

LAS COLINAS

Tribble, Guy B.

SAN ANTONIO

Farnsworth, Jeffrey A.

LIST OF ATTACHMENTS

CONSULTANT SERVICES AUTHORIZATION NO. 12

**Palm Beach County Water Utilities Department
Consulting/Professional Services Water Treatment
and Water Resources Engineering Services
Resolution #2017-0903 Contract Dated July 11, 2017**

ATTACHMENT - A	Scope of Services
ATTACHMENT - B	Summary and Status of Authorizations
ATTACHMENT - C	OEBO Schedules 1 and 2
ATTACHMENT - D	Project Schedule
ATTACHMENT - E	Budget Summary
ATTACHMENT - F	Summary of SBE/Minority Business Tracking
ATTACHMENT - G	Location Map

ATTACHMENT A

SCOPE OF SERVICES

Project Title: High Service Pump Station Electrical Building Improvements Construction Services

WUD Project No.: 18-005

Background

On November 11, 2017, the Board of County Commissioners approved Consultant Services Authorization No. 4 with Kimley-Horn and Associates, Inc., to provide design, permitting and bidding services for the new High Service Pump Station Electrical Building at WTP11. The design and permitting phases have been completed and the construction of the project was recently bid. This CSA continues the involvement of Kimley-Horn and Associates, Inc., through the construction phase of the Project and to its completion. The following scope of services consists of construction phase services for new the WTP11 High Service Pump Station Electrical Building.

Scope of Services

Consultant will provide construction phase services for the new electrical building holding the High Service Pump Station (HSP) at WTP11 to replace the existing electrical building that is prone to flooding during wet weather. Construction phase services will consist of; submittal reviews, responses to Requests for Information (RFI), field observations/inspections, meeting attendance, review of contractor's payment applications, preparation of reports, permitting closeout support, certification of substantial and final completion and preparation of record drawings. Consultant will use subconsultant Hillers Electrical Engineering, Inc., (HEE) for electrical consulting services and Supervisory Control and Data Acquisition (SCADA) programming of the new High Service Pump Station Electrical Building Programmable Logic Controller (PLC).

The Consultant's construction phase services will endeavor to provide the Owner a greater degree of confidence that the completed work by its contractor(s) will conform to the construction documents. The Consultant neither guarantees the performance of contractors nor assumes responsibility for any contractor's failure to perform its work in accordance with the contract documents. Work that the Consultant believes does not comply with the contract documents will be brought to the attention of the Palm Beach County Water Utilities (PBCWUD) and the Contractor. The Consultant shall have no responsibility for any contractor's means, methods, techniques, equipment choice and usage, sequence, schedule, safety programs and safety practices. The Consultant shall not have any authority or responsibility to stop or direct the work of any contractor.

Task 1.1 - Project Management: Consultant will provide project management of consultant's team and subconsultants and include administrative services consisting of; coordination and communication, monthly processing of the Consultant's invoices with supporting information, responses to revisions, preparation of progress reports and logs, and general administrative duties consisting of scanning, copying, printing, revising and updating documents needed for the project.

Task 1.2 - Meetings: Consultant will attend one (1) on-site kick-off (pre-construction) meeting and up to eighteen (18) on-site progress meetings (HEE Task 7). Consultant will prepare agendas, conduct the meetings and prepare and distribute subsequent meeting minutes.

Revised 8-6-19

It is assumed that the construction will be substantially complete in sixteen (16) months and be at final completion in eighteen (18) months.

Task 1.3 - Construction Administration: Consultant will provide contract document interpretation as well as submittal, change order and construction schedule reviews. Consultant will answer requests for additional information and issue clarifications as appropriate. Submittals will be reviewed for conformance with the intent of the contract documents. It is assumed that up to ten (10) submittals and one (1) resubmittal will be reviewed (HEE Task 5 provides for up to thirty-one (31) submittals). Shop drawings will be submitted directly to the Consultant. The Consultant will review submittals, obtain comments and return copies to the contractor and PBCWUD.

Task 1.4 - Site Visits and Inspections: It is anticipated that the construction phase from notice to proceed to substantial completion will take approximately sixteen (16) months, and that on-site inspections and observations will include up to fifty (50) site visits for the mechanical, structural, site civil and underground work. It is assumed that up to twenty (20) periodic site visits (HEE Task 6) will be provided to observe installation of electrical equipment. Anticipate up to one (1) site visit by Neptune Fire Protection Engineering LLC to observe the installation and testing of the Sapphire fire suppression system.

Task 1.5 – RFI: Consultant will respond to reasonable requests for information and contract clarifications, provide interpretation of documents and technical specifications, provide revised and written responses to requests related to the project, including up to ten (10) RFIs, contract clarifications and work change directives/change orders. (HEE Tasks 3 and 4).

Task 1.6 – Pressure Test Witnessing: Consultant will witness pressure testing of the new piping systems and include up to four (4) individual site visits specifically intended for two-hour pressure testing related to the new suction piping.

Task 1.7 – Monthly Pay Request: Consultant will review preliminary and final monthly pay requests submitted by Contractor. It is assumed up to eighteen (18) monthly pay requests will be reviewed.

Task 1.8 – Record Drawings: Consultant will prepare record drawings based on information provided by the contractor and information collected in the field during site visits. The effort in preparing record drawings is based on the construction being within general conformance of the bid documents without significant changes to the design documents. Consultant will furnish four (4) printed copies of 24 x 36 drawings and an electronic copy in both Portable Document Format (pdf) and Computer-Aided Design Drawing (CADD) formats to PBCWUD. (HEE Task 10).

Task 1.9 – Permitting Support: Consultant will prepare and submit a Florida Department of Environmental Protection (FDEP) certification of construction completion and a request for clearance to place piping and valves into operation (FDEP Form 62-555.900[9]) if the work is found to be in substantial conformance with the contract documents. Record drawing information will be provided and included with the certification package. (HEE Task 10). Consultant will coordinate the Building Department permit(s) close out process and provide a permit close out package with relevant documentation.

Task 1.10 – Substantial and Final Completion Certification: Consultant will conduct substantial and final completion inspections of the work completed and prepare preliminary and final punchlists for work to be completed (HEE Task 8). Consultant will prepare and provide certificates of substantial and final completion if the work is found to be in substantial conformance with the contract documents.

Task 1.11 – Startup and Testing: Consultant will witness startup of equipment and mechanical systems consisting of pump operation with new Variable Frequency Drives (VFDs), new check valves, yard piping and valving associated with redundant tank supply piping, instrumentation, Heating Ventilation and Cooling (HVAC) systems, etc. (HEE task 9).

Revised 8-6-19

Task 1.12 - PLC Programming: Consultant, through HEE subconsultant, will modify the water plant high service pump PLC programming to include all the instruments and rotating equipment for HSP electrical building operation and control as shown on the design drawings (HEE Task 11). SCADA Human Machine Interface (HMI) programming is assumed to be performed by PBCWUD staff and coordinated between HEE and PBCWUD staff.

DELIVERABLES

The following deliverables will be provided as a result of the efforts described in the Scope of Services:

- Meeting agendas and minutes
- Record drawings – six (6) printed copies 24x36, one (1) electronic copy in both pdf and CADD formats
- Certificates of Substantial and Final Construction Completion and Request for Clearance to Place Permitted PWS Components into Operation - DEP Form 62-555.900(9)
- Field reports
- Change Orders and Change Order Log
- Clarifications
- Shop Drawings and Shop Drawing Log
- RFIs and RFI Log

ITEMS NOT INCLUDED

The following items are not included in the Scope of Services and are assumed to be provided or performed by others. Some of these may be required depending on circumstances that may arise during the execution of this project. Other items that may be considered additional services are mentioned herein.

- Redesign and preparation of revised documents due to substantial changes in the contract documents and design
- Additional permitting

ATTACHMENT B

SUMMARY AND STATUS OF CONSULTANT SERVICES AUTHORIZATIONS

Auth. No.	WUD Project No.	Title	Status	Project Total Amount	SBE Total Amount	SBE Participation %	Approved	
							By	Date
1	15-058	Water Treatment Plant No. 11 Production Well 11	Approved	\$138,402.12	\$94,767.12	68.47 %	BCC	Sept 26, 2017
1.1	15-058	Water Treatment Plant No. 11 Production Well 11	Approved	\$11,634.00	\$0.00	0.00%	Director	Jan. 23, 2019
2	17-066	General Water Engineering Svcs.	Approved	\$45,000.00	\$0.00	0.00%	Director	Aug. 25, 2017
3	17-068	Water Treatment Plant No. 2 MIEX Treatment Evaluation	Approved	\$49,982.35	\$41,420.35	82.86%	Director	Sept. 20, 2017
3.1	17-068	Water Treatment Plant No. 2 MIEX Treatment Evaluation	Approved	\$46,050.93	\$32,970.93	71.59%	Director	May 14, 2018
4	18-005	High Service Pump Electrical Building Improvements	Approved	\$183,829.20	\$92,827.20	50.49%	BCC	Mar. 13, 2018
4.1	18-005	High Service Pump Electrical Building Improvements	Approved	\$15,676.64	\$5,952.64	37.97%	Director	Oct. 16, 2018
4.2	18-005	High Service Pump Electrical Building Improvements	Approved	\$29,658.00	\$0	0%	Director	Mar. 5, 2019
4.3	18-005	High Service Pump Electrical Building Improvements	Pending	\$25,271.68	\$3,839.68	15.19%	CRC	
5	18-025	Water Treatment Plant No. 11 Membrane Replacement Pilot Study	Approved	\$185,745.00	\$0	0%	BCC	May 1, 2018
6	15-059	Water Treatment Plant No. 11 Production Well 11 Raw Water Main	Approved	\$37,170.00	\$0	0%	Director	July 2, 2018
7	19-009	General Water Engineering Services	Approved	\$45,000.00	\$0	0%	Director	Feb. 5, 2019
8	19-024	Water Treatment Plant No. 11 RO Train Evaluations	Pending	\$60,000.00	\$0	0%	CRC	
9	19-026	Water Treatment Plant No. 11 Turbidity Management Evaluation	Approved	\$94,800.00	\$0	0%	CRC	May 1, 2019
10	19-036	Water Treatment Plant No. 8 Rehabilitation and Replacement Evaluation	Approved	\$194,345.04	\$60,365.04	31.06%	BCC	June 18, 2019
11	19-060	Loxahatchee River Restoration Local Initiative and MECCA Site Evaluation	Approved	\$199,956.00	\$0	0%	BCC	July 2, 2019
12	18-005	High Service Pump Station Electrical Building Improvements	Pending	\$306,267.12	\$147,305.12	48.09%	BCC	

ATTACHMENT C

OEBO SCHEDULE 1

Office of Equal Business Opportunity Compliance Programs

ATTACHMENT C OEBO SCHEDULE 1

LIST OF PROPOSED CONTRACTOR/CONSULTANT AND SUBCONTRACTOR/SUBCONSULTANT PARTICIPATION

SOLICITATION/PROJECT/BID NAME: High Service Pump Station Electrical Building Improvements Construction Services

NAME OF PRIME RESPONDENT/BIDDER: Kimley-Horn and Associates, Inc.

CONTACT PERSON: Mark Miller, P.E.

SOLICITATION OPENING/SUBMITTAL DATE: _____

SOLICITATION/PROJECT/BID No.: WUD 18-005

ADDRESS: 1920 Wekiva Way, Suite 200, West Palm Beach, FL 33411

PHONE NO.: 561-845-0665 **E-MAIL:** mark.miller@kimley-horn.com

DEPARTMENT: Water Utilities Department

PLEASE LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY THE PRIME CONTRACTOR/CONSULTANT ON THIS PROJECT. PLEASE ALSO LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY ALL SUBCONTRACTORS/SUBCONSULTANTS ON THE PROJECT.

Name, Address and Phone Number	(Check all Applicable Categories)			DOLLAR AMOUNT OR PERCENTAGE OF WORK					
	Non-SBE	M/WBE Minority/Women Business	SBE Small Business	Black	Hispanic	Women	Caucasian	Other (Please Specify)	
1. Kimley-Horn and Associates, Inc. 1920 Wekiva Way, Suite 200 West Palm Beach, FL 33411	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	\$154,212.00	
2. Hillers Electrical Engineering, Inc. 23257 State Road 7, Suite 100 Boca Raton, FL 33428	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____	_____	_____	\$147,305.12 ASIAN	
3. Neptune Fire Protection Engineering LLC 60 Ocean Blvd., Suite 6 Atlantic Beach, FL 32233	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	\$4,750.00	_____	
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	_____	
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	_____	
(Please use additional sheets if necessary)							Total	\$4,750.00	\$301,517.12

Total Bid Price \$ 306,267.12

Total SBE - M/WBE Participation \$147,305.12/48.09%

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


Mark Miller, P.E. Signature

Sr. Vice President

Title

- Note:**
1. The amount listed on this form for a Subcontractor/subconsultant must be supported by price or percentage listed on the properly executed Schedule 2 or attached signed proposal.
 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/or M/WBE, please indicate the dollar amount under the appropriate 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

Revised 8-6-19

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: WUD 18-005

SOLICITATION/PROJECT NAME: High Service Pump Station Electrical Building Improvements

Name of Prime: Kimley-Horn and Associates, Inc.

(Check box(s) that apply)

SBE WBE MBE M/WBE Non-S/M/WBE Date of Palm Beach County Certification (if applicable): N/A

The undersigned affirms they are the following (select one from each column):

Column 1

Column 2

Male Female

African-American/Black Asian American Caucasian American
 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.

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
1	Fire Supression		1		\$4,750.00

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: \$4,750.00

If the undersigned intends to subcontract any portion of this work to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 2.

N/A

Name of 2nd/3rd tier Subcontractor/subconsultant

Price or Percentage: N/A

Kimley-Horn and Associates, Inc.

Print Name of Prime

By: [Signature]

Authorized Signature

Kevin M. Schanen, P.E.

Print Name

Sr. Vice President

Title

Date: 9/16/19

Neptune Fire Protection Engineering LLC

Print Name of Subcontractor/subconsultant

By: [Signature]

Authorized Signature

Stephen Kowkabany, P.E.

Print Name

Principal

Title

Date: 9-16-19

ATTACHMENT C

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: WUD 18-005

SOLICITATION/PROJECT NAME: High Service Pump Station Electrical Building Improvements

Name of Prime: Kimley-Horn and Associates, Inc.

(Check box(s) that apply)

SBE WBE MBE M/WBE Non-S/M/WBE Date of Palm Beach County Certification (if applicable): 02/25/2019 - 10/15/2021

The undersigned affirms they are the following (select one from each column):

Column 1

Column 2

Male Female

African-American/Black Asian American Caucasian American
 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.

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
1	Electrical Engineering		1		147,305.12

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: \$147,305.12

If the undersigned intends to subcontract any portion of this work to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 2.

N/A

Name of 2nd/3rd tier Subcontractor/subconsultant

Price or Percentage: N/A

Kimley-Horn and Associates, Inc.

Print Name of Prime

By: 

Authorized Signature

Mark D. Miller, P.E.

Print Name

Sr. Vice President

Title

Date: 9/16/19

Hillers Electrical Engineering, Inc.

Print Name of Subcontractor/subconsultant

By: 

Authorized Signature

Tom Doran

Print Name

Vice President

Title

Date: 7-16-2019

Revised 02/28/2019

ATTACHMENT - D

PROJECT 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

(Calendar Days)

Construction phase services

600 Calendar Days

Revised 8-6-19

ATTACHMENT – E BUDGET

Palm Beach County Water Utilities Department
Consulting/Professional Services Water Treatment and Water Resources Engineering Services
Consultant Services Authorization: 12 **Resolution #2017-0903 Contract Dated July 11, 2017**
Consultant: Kimley-Horn and Associates, Inc.
Project Title: High Service Pump Station Electrical Building Improvements Construction Services
WUD Project No.: 18-005

CSA No. 12		Labor Classification and Hourly Rate									
		Principal	Senior Prof		Intern		Tech Support	Snr Support Staff	Support Staff	Total	Sub
Task	Water Treatment Plant #11 HSP Elec Bldg SDC's		Pr. Mgr	Professional	Engineer/Analyst	Designer/Insp					Consultant
Number	Task Description		MDM	TH/AC	EG/RD					Labor	Services
1	Services During Construction										
1.1	Project Management		36					54		\$ 15,120.00	
1.2	Meetings		54		54	36		24		\$ 26,460.00	\$ 613.44
	HEE Electrical (Task 7)										\$ 9,133.44
1.3	Construction Administration		10		80					\$ 11,190.00	\$ 38,305.92
1.4	Site Visits and Inspections					260		60		\$ 43,440.00	\$ 10,042.24
1.5	Requests for Information (RFI)		12		12			40		\$ 9,144.00	\$ 16,778.72
	HEE Electrical (Task 4)										\$ 5,134.72
1.6	Pressure Test Witnessing					12		12		\$ 3,168.00	
1.7	Monthly Pay Request		16		32				16	\$ 8,592.00	
1.8	Record Draw ings		8		40	20			12	\$ 10,056.00	\$ 9,656.00
1.9	Permit Support		8		16				6	\$ 4,128.00	
1.10	Substantial and Final Completion Certification		6		8	16			12	\$ 5,490.00	\$ 9,610.56
1.11	Startup and Testing		24		40	24				\$ 13,296.00	\$ 17,130.88
	Neptune Fire System		4		4			4		\$ 1,872.00	\$ 4,750.00
1.12	PLC Programming (HEE)		4		12					\$ 2,256.00	\$ 30,899.20
	Subtotal Task 1	0	182	0	298	368	0	194	46	\$154,212.00	\$ 152,055.12
	Labor Subtotal Hours	0	182	0	298	368	0	194	46		1088
	Labor Raw Costs	\$ 89.00	\$ 77.00	\$ 54.00	\$ 37.00	\$ 46.00	\$ 42.00	\$ 42.00	\$ 28.00		
	Labor Multiplier	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0		
	Labor Sub Total	\$ 267.00	\$ 231.00	\$ 162.00	\$ 111.00	\$ 138.00	\$ 126.00	\$ 126.00	\$ 84.00		
	Labor Total (KHA)	\$ -	\$ 42,042.00	\$ -	\$ 33,078.00	\$ 50,784.00	\$ -	\$24,444.00	\$ 3,864.00	\$154,212.00	
	Labor Total (HEE)									\$147,305.12	
	Sub Consultant Labor Total	\$ -									\$ 152,055.12
	Sub Consultant Multiplier										1.0
	Subcontract Total	\$ -									\$ 152,055.12
	Out of Pocket Expenses (Mileage, Copies, Printing, etc.)										\$ -
	Project Total	\$ -									\$ 306,267.12
										%SBE	48.09%

H E E

HILLERS ELECTRICAL ENGINEERING, INC.

July 16, 2019 (Rev. August 7, 2019)

Mark Miller, P.E.
Kimley-Horn
1920 Wekiva Way, Suite 200
West Palm Beach, FL 33411

Subject: WTP11 High Service Pump Electrical Building Replacement –
Engineering During Construction Services

Dear Mark:

Hillers Electrical Engineering, Inc. (HEE) is pleased to provide Kimley-Horn a proposal for Engineering during Construction Services (Electrical, I&C, and Fire Alarm) and PLC Programming related to the above referenced project. Our scope will follow Kimley-Horn's latest Scope of Work /Task Authorization between Palm Beach County Water Utilities Department (Owner) and Kimley-Horn and Associates, Inc. (Consultant). Our Engineering during Construction Services scope will include the following:

Task 1: Attend pre-construction meeting.

Task 2: Not used.

Task 3: Response to RFI's/contract clarifications related to electrical, fire alarm, access control, camera system, and instrumentation & control systems. (Up to 28 RFI's/contract clarifications, 4 hours per RFI's/contract clarification)

Task 4: Prepare change orders related to electrical, fire alarm, access control, camera system, and instrumentation & control systems. (Up to 8 change orders, 4 hours per change order)

Task 5: Review of shop drawings related to electrical, fire alarm, access control, camera system, and instrumentation & control systems. Review mechanical equipment shop drawings, including HVAC systems, as well as the fire protection system for coordination with the electrical, fire alarm, and instrumentation & control systems. (Up to 31 shop drawings, 8 hours per shop drawing)

Task 6: Perform periodic site visits (Up to 20 site visits, 4 hours per visit).

Task 7: Attend progress meeting (Up to 18 meetings, 4 hours per meeting).

Task 8: HEE will witness specialty installations such as shutdown and temporary connections, waterproof splicing, etc. and perform preliminary and final inspections.

Below is the breakdown list of specialty installations:

- Shutdown, changing plug and adding ARM switch at SWBD-1 in Membrane Building: 8 hours.
- Shutdown, replacing plug and adding ARM switch at SWBD-2 in Membrane Building: 8 hours.
- Checking temporary equipment setup before switching power at MCC-4 and temporary generator power at new HSP Building: 4 hours.
- Shutdown, removing portion of MCC-4, new j-box-4A and feeder wire splicing at existing HSP Electrical Room: 8 hours.
- Checking temporary equipment setup before switching power at MCC-3: 4 hours.
- Shutdown, removing portion of MCC-3, new j-box-3A and feeder wire splicing at existing HSP Electrical Room: 8 hours.
- Splicing of other remaining wires in j-box-4A: 8 hours
- Splicing of other remaining wires in j-box-3A: 8 hours
- HSP motor shaft grounding installation on 1st pump: 2 hours.
- Preliminary punch list: 8 hours + 2 hours on creating the punch list
- Final punch list: 4 hours

Task 9: HEE will witness loop check, start-up, and testing related to electrical, fire alarm, access control, camera system and instrumentation & control systems. Depending on the construction sequence and schedule, some signals may need to be terminated at the existing RIO-8 panel and relocated to new RIO-8 later. This will require loop checking to new RIO-8A again and minor modification of the existing PLC program during signal relocation. HEE will provide one PLC programmer to witness loop check at the PLC and SCADA system. HEE will not include construction coordinate hours for loop check and will not be verifying the functional of loop at the instrument end. It will be sole responsibility of the I&C Contractor. If any troubleshooting is needed during loop check and cannot be performed by the I&C Contractor, it will be troubleshooted by Electrical Contractor. If this delay the startup, it will not be responsible by HEE. 64 hours for PLC programmer is included for loop check. There will be startup for 4 HSP VFD's, 3 transfer pump VFD's, MCC's, and other loads during switching loads to new MCC's. 36 hours are allocated for startup services. HEE will witness testing of wires and electrical equipment. 20 hours are allocated for witness testing services.

Task 10: HEE will prepare record drawings and sign/seal drawings for final record set.

Task 11: HEE will perform PLC programming services will include modifying/rewriting high service pump control strategy from 2 VFD's with 2 CS (constant speed) to 4 VFD's control, moving a few or a group of I/O's from existing RIO-8 and new RIO-8A and temporarily modify the PLC program as needed to keep the system in operation, coordinating with the PBC SCADA group, PLC startup, and I/O loop check. It is anticipated a new RIO-8A panel will be installed and existing signals will be relocated (one system or one module at a time). The PLC programmer will be present at the job site to update the PLC program before and after each time the signals are relocated. Loop check will be performed after each or a group of signals are relocated. Below is the breakdown list of PLC programming services:

- PLC programming for HSP logic: 60 hours programmer, 4 hours PM, 16 hours PE (preparing logic, modification and simulation off site)

- PLC programming for HSP logic onsite testing and troubleshooting: 8 hours
- PLC programming for transfer pump logic and other existing logic: 8 hours (checking logic and modifying logic off site)
- PLC programming for new instruments, new signals, etc. I/O mapping, scaling, etc. 40 hours
- PLC program for disabling some components during power feed and equipment switchover: anticipate 4 days effort (32 hours of programmer)
- PLC startup and SCADA coordination: 3 days (24 hours)
- Other troubleshooting after startup: 8 hours

Our proposed not-to-exceed fee for Engineering during Construction Services, including PLC programming is \$147,305.12, as per attached fee breakdown sheet.

If you have any questions, please do not hesitate to call me.

Sincerely,

A handwritten signature in black ink, appearing to read 'Thein Win', written in a cursive style.

Thein Win, P.E.

PBCWUD WTP11 HSP Electrical Room Engineering In Constructon Fee								
HILLERS ELECTRICAL ENGINEERING, INC.								
Scope Fee Breakdown - Engineering In Construction Phase Services								
Date: 6/29/2019 (Rev. 8/7/2019)								
	Raw Rate	\$74.00	\$54.00	\$54.00	\$40.00	\$44.00		
	Multiplier	2.84	2.84	2.84	2.84	2.84		
	Base Rate	\$210.16	\$153.36	\$153.36	\$113.60	\$124.96		
PHASE OF WORK	Proj. Man.	Profess Eng.	Programming	Const. Coord	Designer	SUBTOTAL	TASK	TOTAL
	Hours	Hours	Hours	Hours	Hours	Hours	COST	COST
Task 1: Pre-Construction Meeting	0	4	0	0	0	4	\$613.44	
Task 2: Conformed Set Drawings/Prebid Modifications	0	0	0	0	0	0	\$0.00	
Task 3: RFI/Contract Clarifications (Up to 28 RFI's)	14	56	0	0	42	112	\$16,778.72	
Task 4: Change Orders (Up to 8 CO's)	8	16	0	0	8	32	\$6,134.72	
Task 5: Shop Drawing Review	16	216	0	16	0	248	\$38,305.92	
Task 6: Site Visit (up to 20)	0	24	0	56	0	80	\$10,042.24	
Task 7: Progress Review Meetings (up to 18)	0	24	0	48	0	72	\$9,133.44	
Task 8: Witness Specialty Installation, Preliminary & Final Inspections	0	36	0	36	0	72	\$9,610.56	
Task 9: Witness Loop Check, Start-up and Testing	0	24	64	32	0	120	\$17,130.88	
Task 10: Prepare Record Drawings	0	28	0	12	32	72	\$9,656.00	
Construction Phase Services Total								\$116,405.92
Total Labor and Expenses								
Total Hours	38	428	64	200	82			
	\$7,955.08	\$65,538.08	\$9,816.04	\$22,720.00	\$10,248.72			\$116,405.92
Task 11: PLC PROGRAMMING, PLC START-UP	4	16	180	0	0	200	\$30,899.20	\$30,899.20
Construction Phase Services with PLC Programming Total								\$147,305.12



September 13, 2019

Mr. Mark D. Miller, P.E.
Kimley-Horn
1920 Wekiva Way Suite 200
West Palm Beach, FL 33411

Dear Mark,

Please find below a proposal for fire protection engineering services for the new Water Treatment Plant No. 11 Electrical Building at the Palm Beach County Water Treatment Plant located in Palm Beach County, Florida.

1.0 SCOPE OF WORK

The scope of work shall include construction administration services related to the new clean agent protection system (Sapphire System) for the electrical building. Specifically, this shall include the following:

- 1) Review of contractor shop drawings for the new clean agent protection system (Sapphire System)
- 2) Response to requests for information (RFIs) as needed
- 3) One (1) site visit for final inspection and observation of acceptance testing

Deliverables to be produced as part of this project shall include response to RFIs as needed, as well as a final inspection report following final inspection and observation of acceptance testing.

2.0 SCHEDULE

The project scope shall be completed as needed, based on the following minimums:

- 1) Review of contractor shop drawings shall be completed within two (2) weeks' of receipt
- 2) Response to RFIs shall be provided within three (3) business days of receipt
- 3) Site visit for final inspection and observation of acceptance testing shall be completed upon request, provided a minimum of two (2) weeks' notice, as well as completion of successful pre-testing by the installing contractor

60 Ocean Boulevard Suite 6, Atlantic Beach, Florida 32233
PH: 904-652-4200



3.0 EXCLUSIONS

Exclusions to this scope of work include, but are not limited to, the following:

- 1) Design or engineering services for any systems
- 2) Review of any systems beyond those specifically listed within this proposal

4.0 FEE

The fee for these services will be **Four Thousand Seven Hundred Fifty Dollars (\$4,750) not including travel expenses**. Invoicing will be on a monthly basis. Payment will be due within 30 days of receipt of invoice for completed services. Any unpaid balance will be assessed a service fee of 1.5% per month.

Project fees shall be billed at the following milestones:

- 1) 40% upon completion of review of contractor shop drawings
- 2) 60% plus related travel expenses upon completion of the inspection and testing site visit

5.0 REIMBURSEMENT OF EXPENSES

Direct expenses incurred by Neptune due to out of town travel, mailing fees, printing fees for hard copy drawings, and bulk reproductions shall be considered reimbursable expenses and invoiced on the basis of actual cost plus ten percent (10%).

Thank you for the opportunity to submit this proposal.

Sincerely,

A handwritten signature in cursive script that reads "Stephen Kowkabany".

Steve Kowkabany, P.E.
Principal
Neptune Fire Protection Engineering LLC

Accepted this _____ day of _____, 2019.

By: _____
For: Kimley-Horn

ATTACHMENT - F

**Palm Beach County Water Utilities Department
Consulting/Professional Services Water Treatment
and Water Resources Engineering Services
Resolution #2017-0903 Contract Dated July 11, 2017**

AUTHORIZATION STATUS REPORT

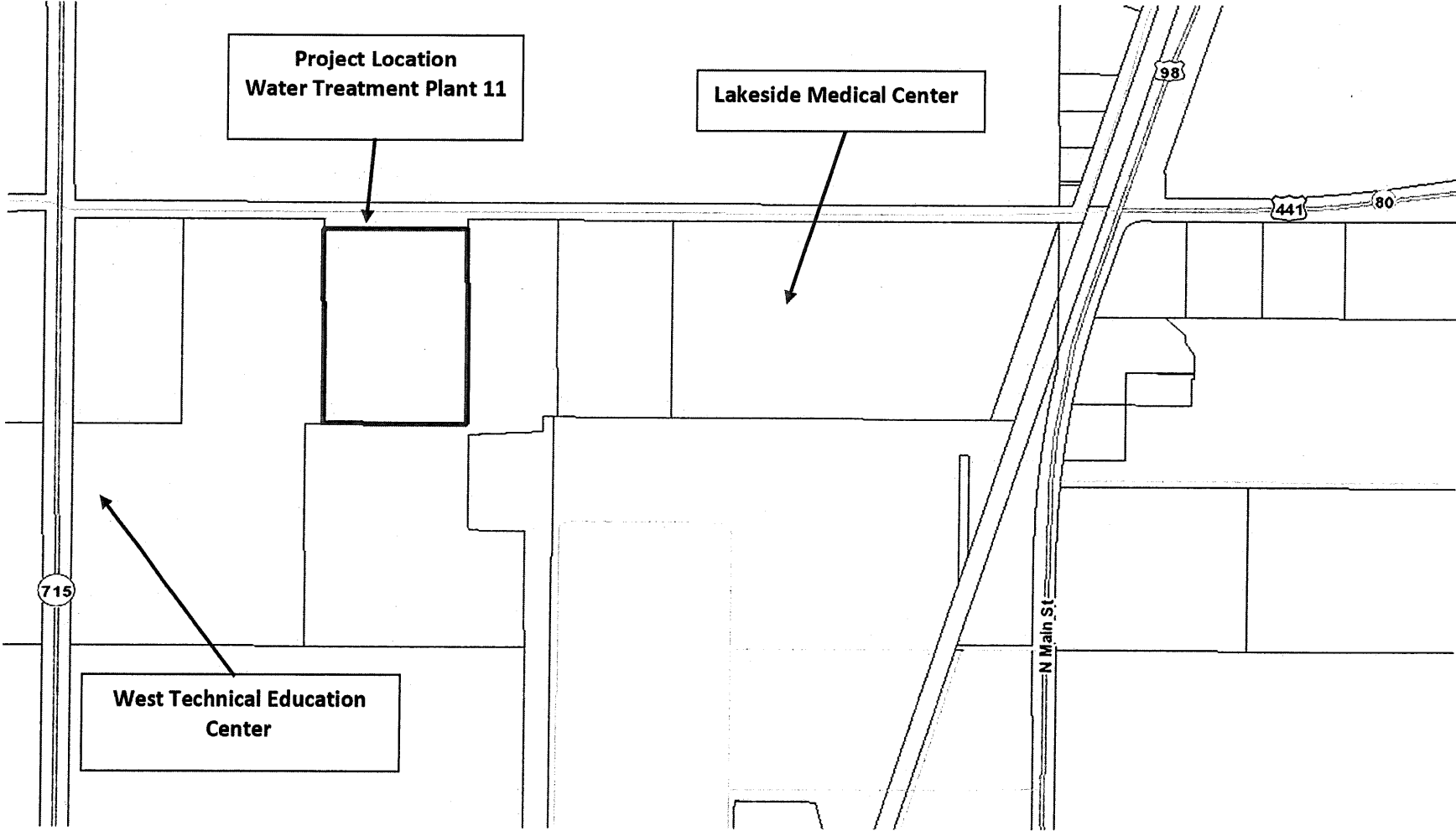
SUMMARY OF SBE-M/WBE MINORITY BUSINESS TRACKING

Master Contract Goal: <u>28</u> (%)	SBE
Current Proposal	
Value of Authorization No. <u>12</u>	\$ 306,267.12
Value of SBE-M/WBE Letters of Intent	\$ 147,305.12
Actual Percentage	<u>48.09</u> %
Signed/Approved Authorizations	
Total Value of Authorizations	\$ 1,277,249.28
Total Value of SBE-M/WBE Signed Subcontracts	\$ 328,303.28
Actual Percentage	<u>25.70</u> %
Signed/Approved Authorizations Plus Current Proposal	
Total Value of Authorizations	\$ 1,583,516.40
Total Value of Subcontracts & Letters of Intent	\$ 475,608.40
Actual Percentage	<u>30.03</u> %

Revised 8-6-19

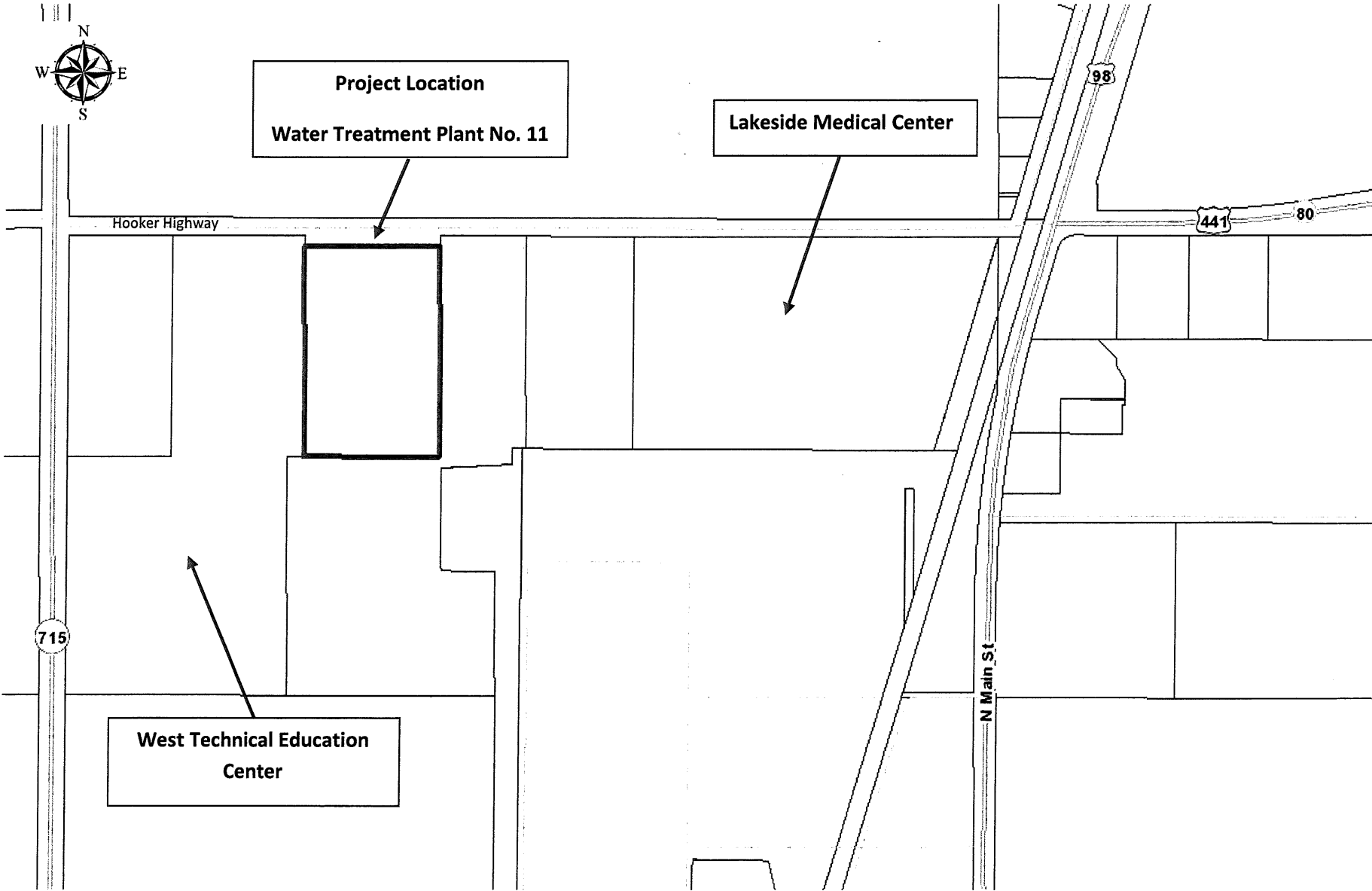
ATTACHMENT - G

Location Map



WUD 18-005 High Service Pump Station Electrical Building Improvements

ATTACHMENT - 2
Location Map



DESCRIPTIONS (Continued from Page 1)

professional liability are primary & non-contributory where required by written contract. Waiver of Subrogation is applicable where required by written contract & allowed by law. Retroactive Date: 10/02/1967.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED - OWNERS, LESSEES OR CONTRACTORS - SCHEDULED PERSON OR ORGANIZATION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s)	Location(s) Of Covered Operations
ANY PERSON OR ORGANIZATION WHOM YOU BECOME OBLIGATED TO INCLUDE AS AN ADDITIONAL INSURED AS A RESULT OF ANY CONTRACT OR AGREEMENT YOU HAVE ENTERED INTO.	PER THE CONTRACT OR AGREEMENT.
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.	

A. Section II - Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by:

1. Your acts or omissions; or
2. The acts or omissions of those acting on your behalf;

in the performance of your ongoing operations for the additional insured(s) at the location(s) designated above.

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and
2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than

that which you are required by the contract or agreement to provide for such additional insured.

B. With respect to the insurance afforded to these additional insureds, the following additional exclusions apply:

This insurance does not apply to "bodily injury" or "property damage" occurring after:

1. All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the location of the covered operations has been completed; or
2. That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.

C. With respect to the insurance afforded to these additional insureds, the following is added to Section III - Limits Of Insurance:

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement; or

2. Available under the applicable Limits of Insurance shown in the Declarations;

whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

**ADDITIONAL INSURED - OWNERS, LESSEES OR
CONTRACTORS - COMPLETED OPERATIONS**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s)	Location And Description Of Completed Operations
ANY PERSON OR ORGANIZATION WHOM YOU BECOME OBLIGATED TO INCLUDE AS AN ADDITIONAL INSURED AS A RESULT OF ANY CONTRACT OR AGREEMENT YOU HAVE ENTERED INTO.	PER THE CONTRACT OR AGREEMENT.
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.	

A. Section II - Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury" or "property damage" caused, in whole or in part, by "your work" at the location designated and described in the Schedule of this endorsement performed for that additional insured and included in the "products-completed operations hazard".

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and
2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that

which you are required by the contract or agreement to provide for such additional insured.

B. With respect to the insurance afforded to these additional insureds, the following is added to Section III - Limits Of Insurance:

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement; or
 2. Available under the applicable Limits of Insurance shown in the Declarations;
- whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

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