

PALM BEACH COUNTY  
BOARD OF COUNTY COMMISSIONERS  
AGENDA ITEM SUMMARY

Meeting Date:	July 2, 2024	Consent [X] Public Hearing [ ]	Regular [ ]
Department:	Water Utilities Department		

I. EXECUTIVE BRIEF

**Motion and Title:** Staff recommends motion to approve: **A)** Supplement No. 1 to Consultant Services Authorization No. 2 (CSA 2) for Design Package 2 (DP2) Construction Phase Services with Kimley-Horn (Consultant) for a not to exceed amount of \$570,365.01; and **B)** Supplement No. 2 to Consultant Services Authorization No. 3 (CSA 3) for Design Package 1, 3, and 4 (DP134) Construction Phase Services with Consultant for a not to exceed amount of \$619,122.34. Both CSAs are in support of the Water Treatment Plant No. 2 (WTP 2) Treatment and Disposal Improvements (Project).

**Summary:** On September 18, 2018, the Board of County Commissioners (BCC) approved the Palm Beach County Water Utilities Department (PBCWUD) Contract for Consulting/Professional Services WTP 2 Treatment and Disposal Improvements (Contract) (R2018-1385) with Consultant. This Contract was procured under the requirements of the 2002 Small Business Enterprise (SBE) Ordinance (R2002-0064) prior to the adoption of the new Equal Business Opportunity (EBO) Ordinance on October 16, 2018. The SBE participation goal established by the 2002 SBE Ordinance was 15% overall participation. The Contract provides for 54% SBE participation, which includes 4% Minority/Women Business Enterprise (M/WBE) participation.

CSA 2 Supplement No. 1 provides for additional construction phase services to accommodate for schedule delays and additional efforts for DP2, which provides for the construction of a Deep Injection Well (DIW) and associated components at WTP 2. Services under Supplement No. 1 include additional project management, additional drilling and pre-injection testing oversight, shop drawing and request for additional information reviews and the renewal of the DIW Construction Permit. Supplement No. 1 includes 76.25% SBE participation, which includes 2.59% M/WBE participation. The cumulative SBE participation, including Supplement No. 1, is 56.09%, which included 14.56% M/WBE participation.

CSA 3 Supplement No. 2 provides for additional construction phase services due to additional effort and coordination for DP134, which provides for the construction of a ground storage tank, lime softening treatment unit, surficial aquifer supply well, chemical storage delivery systems, exterior stairs/elevated walkways; electrical, instrumentation, piping, pumps and general civil site improvements. Services under Supplement No. 2 include additional shop drawing reviews, request for additional information coordination, and construction site observation time, electrical scope for Supervisory Control and Data Acquisition (SCADA) screens and the reallocation of some construction phase services from subconsultants to Consultant.

Summary (Continued on Page 3)

Attachments:

- 1. Two (2) Originals of CSA 2 Supplement No. 1
- 2. Two (2) Originals of CSA 3 Supplement No. 2
- 3. Location Map
- 4. EBIX Compliance Summary Report

Recommended By:	<u>Ali Bayat</u>	Jun 7, 2024
	Department Director	Date
Approved By:	<u>[Signature]</u>	6/18/24
	Assistant County Administrator	Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2024	2025	2026	2027	2028
Capital Expenditures	\$1,189,488	0	0	0	0
Operating Costs	0	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
NET FISCAL IMPACT	\$1,189,488	0	0	0	0
# ADDITIONAL FTE POSITIONS (Cumulative)	0	0	0	0	0

Budget Account No.: Fund 4011 Dept 721 Unit W002 Object 6541

Is Item Included in Current Budget? Yes X No

Is this item using Federal Funds? Yes No X

Is this item using State Funds? Yes No X

Reporting Category N/A

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

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

C. Department Fiscal Review: Any Expenditure for E F

III. REVIEW COMMENTS

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

Lisa Martin 5/31/2024  
OFMB 9/4 5/30  
Amf 5/31

Grandly Mackle 6/10/24  
Contract Development and Control  
Amf 6/10/24

B. Legal Sufficiency:

Assistant County Attorney 6/11/24

C. Other Department Review:

Department Director

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

## Continued from Page 1

**Summary (cont'd):** Supplement No. 2 includes 27.83% SBE participation, which includes 18.45% M/WBE participation. The cumulative SBE participation, including Supplement No. 1, is 51.06%, which included 16.26% M/WBE participation.

Consultant is headquartered in Raleigh, North Carolina, but maintains an office in Palm Beach County from which the majority of the work will be undertaken. The Project is included in the PBCWUD FY24 budget. (PBCWUD Project No. 18-066) District 2 (MWJ)

**Background and Justification:** During construction for DP2, an additional 107 days was needed to complete drilling the DIW. This resulted in the need for additional project management and drilling oversight. There were also time delays associated with the delivery of pumps, weather delays due to Hurricane Ian and Hurricane Nicole, and electrical work delays related to the delivery of an electrical substation from Florida Power & Light. Time delays associated with the delayed start of DP2 and completion of the DIW also contributed to the need to renew the construction permit for the DIW. For DP134 construction activities, additional effort and coordination was needed due to additional construction meetings, additional quality assurance and quality control reviews for shop drawing submittals and associated RFIs, and additional site visits, field reports and observations associated with extended contractor work hours and coordination with various permitting and regulatory agencies and coordination with other contractor projects at WTP 2. SCADA coordination was also needed prior to start up for water treatment processes (ground storage tank and aeration system, treatment unit no. 3, pump stations, lift stations, and chemical systems) at WTP 2. These additional efforts will allow for continued execution, management and coordination of construction phase activities.

SUPPLEMENT NO. 1  
CONSULTANT SERVICES AUTHORIZATION NO. 2  
Palm Beach County Water Utilities Department  
Contract for Consulting/Professional Services  
*Water Treatment Plant #2 Treatment and Disposal Improvements*  
Resolution No. R2018-1385 Contract Dated September 18, 2018

**Project Title:** Design Package 2 Construction Phase Services

**PBCWUD Project No.:** 18-066

**Consultant:** Kimley-Horn and Associates, Inc.

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

**Budget Line Item No.:** 4011-721-W002-6541

**District No.:**3

This Supplement Consultant Services Authorization provides for: Additional construction phase services associated with the Water Treatment Plant No. 2 deep injection well (DIW), dual-zone monitoring well (DZMW), waste brine tank structure, and other related improvements. These additional services include project management; additional drilling oversight; three (3) attempts for the DIW pre-test injection testing requiring additional on-site observation and coordination; shop drawings; request for information (RFIs); monthly pay requests; and a new DIW Construction Permit.

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(See ATTACHMENT A for detailed scope of services)

The Contract provides for 54.00% SBE participation, which includes 4.00% M/WBE participation. This Supplement Consultant Services Authorization includes 76.25% overall participation which includes, 2.59% M/WBE participation. The cumulative SBE participation, including this Supplement Consultant Services Authorization is 56.09%, which includes 14.56% M/WBE participation.

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 \$ 570,365.01
  - B. Fixed price of \$ 0.00
  - C. Total \$ 570,365.01
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.

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Resolution No. R2018-1385 Contract Dated September 18, 2018

**Project Title:** Design Package 2 Construction Phase Services

**PBCWUD Project No.:** 18-066

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 September 18, 2018, 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.

SUPPLEMENT NO. 1  
CONSULTANT SERVICES AUTHORIZATION NO. 2  
Palm Beach County Water Utilities Department  
Contract for Consulting/Professional Services  
*Water Treatment Plant #2 Treatment and Disposal Improvements*  
Resolution No. R2018-1385 Contract Dated September 18, 2018

**Project Title:** Design Package 2 Construction Phase Services

**PBCWUD Project No.:** 18-066

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

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

Joseph Abruzzo, Clerk of the Circuit Court  
& Comptroller, Palm Beach County

Palm Beach County, Board  
of County Commissioners

ATTEST:

Signed: \_\_\_\_\_ *KB* Signed: \_\_\_\_\_ *NPG*  
*AB* Maria Sachs, Mayor

Typed Name: \_\_\_\_\_  
Deputy Clerk (Date) \_\_\_\_\_

Approved as to Form and Legal  
Sufficiency

Signed: \_\_\_\_\_ *(Signature)*  
Jason R. Lee  
(Print Name)

Typed Name: Michael W. Jones  
County Attorney (Signature) \_\_\_\_\_

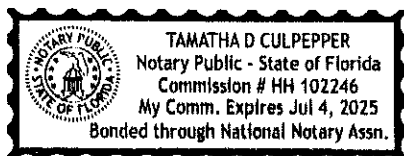
Vice President  
(Title)

May 28, 2024  
(Date)

STATE OF FLORIDA

COUNTY OF Palm Beach

The foregoing instrument was acknowledged before me by means of ☒ physical presence or ☐ online notarization,  
this 28th day of May, 2024, by Jason R. Lee who is ☐ personally known to me or ☐ has produced  
as identification.



\_\_\_\_\_  
(Signature of Notary Public - State of Florida)  
Tamatha D. Culpepper  
(Print, Type, or Stamp Commissioned Name of Notary Public)

# Kimley»Horn

May 20, 2024

**Certificate of Secretary**

To Whom It May Concern:

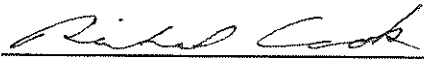
I am the duly qualified and acting Secretary of Kimley-Horn and Associates, Inc., a North Carolina Corporation.

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 14, 2023 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."  
(Copies of the employee lists as presented are 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



**Kimley-Horn and Associates, Inc.**  
**FULL CONTRACT SIGNING AUTHORITY**  
**December 14, 2023**

The following individuals have authority to sign both standard and non-standard agreements directly related to serving clients ("Project Agreements"). Project Agreements include client contracts, subcontracts, project-specific vendor agreements, IPO's, contract amendments, non-disclosure agreements, teaming agreements, project-specific equipment and facility rental agreements for specific projects, and certifications related to proposals. This document does not grant authorization to sign other types of contracts or legal documents not directly related to client service such as office leases, software purchase or license agreements, tax returns, purchase agreements for supplies, or agreements to procure accounting, legal, recruiting, or similar services.

**ATLANTIC**

**BALTIMORE CITY**

Falk, Katherine W.  
Kraft, Jonathan H.  
Miller, Sean T.  
Smith, Jeff B.

**BALTIMORE COUNTY**

Leffner, Nicholas J.  
Hutton, Heather

**BOSTON**

Jacques, Christopher  
Keegan, Katherine A.

**CHARLOTTESVILLE**

Oliver, Jonathan H.

**HARRISBURG**

Bankert, Larry I.  
McGinley, Steve M.

**LOUDOUN**

Bollinger, Kyle T.  
Giffin, Geoffrey D.

**NORTHERN VIRGINIA**

Carter, Erica V.  
D'Alessandro, Jonathan J.  
Elman, Paul D.  
Howell, Christopher M.  
Kauppila, John L.  
Koopman, Jennifer R.  
Lefton, Steven E.  
Milot, Sean M.  
Murphy, Erin M.  
Musson, David B.  
Prunty, Robert W.  
Samba, David B.  
Sauro, Thomas J.  
Schrader, Carly N.  
Smith, Andrew T.  
Stevens, Ross S.  
Teague, M. Zach  
Whyte, Richard D.

**PHILADELPHIA**

**CENTER CITY**

Harmon, Amanda R.  
Hughes, Paul W.  
Morgan, Taylor M.

**PITTSBURGH**

Beaves, Adele M.  
Beduhn, Tyler J.  
Moldovan, William

**PRINCETON**

Diggan, Tony W.  
Gibson, Adam T.

**RICHMOND**

Chance, Maxwell P.  
Crum, Katie E.  
Dougherty, Sean P.  
Harrell, Matthew T.  
Heustess, Aaron M.  
Hill, Corey W.  
Lickliter, Ashley C.  
McCray, Danielle R.  
McPeters, Brian A.  
Perkins, Ryan R.  
White, Timothy E.

**VIRGINIA BEACH**

Chambers, Jon S.  
Dallman, David B.  
Davidson, Scott O.  
Farthing, Andrew P.  
France, William D.  
Funk, Gerald S.  
Holland, Kimberly R.  
Holland, Stephen R.  
Mackey, William F.  
Mertig, Karl E.  
Miller Edward W.  
Moser, Emily A.  
Niss, Robyn M.  
Royal, Jack R.  
Schmitt, Gregory H.  
Votava Charles F.  
Wharton, Michelle L.  
Williams, Kyle D.  
Yee, Leong Wee

**WHITE PLAINS**

Canning, Thomas J.  
Van Hise, Kevin A.

**CALIFORNIA**

**LONG BEACH**

Hewitt, Melissa A.  
Phillips, Chad E.

**LOS ANGELES**

Chakravarthy, Srikanth

Duong, Danh

Fares, Jean B.  
Kyle, Gregory S.  
Phaneuf, Alyssa S.  
Ranta, Shahrzad

**OAKLAND**

Akwabi, Kwasi  
Colety, Mike D.  
Dankberg, Adam J.

**ORANGE**

Adrian, Darren J.  
Bossu, David M.  
Glaze, Jacob S.  
Kerry, Nicole M.  
Matson, Jason B.  
Marechal, Jason A.  
Melchor, Jason J.  
Melvin, M. Pearse

**PLEASANTON**

Durrenberger, Randal R.  
Johnson, Miles R.  
Mehta, Parag G.  
Mowery, Michael C.  
Sowers, Brian E.

**RIVERSIDE**

Cowan, Eugene D.  
Pollock, John A.

**SACRAMENTO**

Melvin, Enda  
Pittalwala, Fareed S.  
Schmitt, Michael L.  
Tait, Zachary T.  
Weir, Matthew D.

**SAN DIEGO**

Barlow, Matthew T.  
Becker, Justin S.  
Harry, Jennifer L.  
Kaltsas, Joseph D.  
Madsen, Michael P.  
McCormick, Matthew B.  
McWhorter, Samuel L.  
Podegracz, Anthony J.  
Ulery, Megan R.  
Valencia, Jason B.

**SAN JOSE**

Hamilton, Robert J.  
Hedayat, Leyla  
Venter Frederik J.

**SAN MATEO**

Pulliam, John E.

**CAROLINAS**

**CHARLESTON**

Guy, Jonathan R.

**CHARLOTTE**

Blakley, Jr., Stephen W.  
Denney, Seth A.  
Edwards, Matthew A.  
Lewis, Ryan T.  
Pattison, Paul G.  
Racer, Joseph M.  
Taylor, Benjamin S.

**COLUMBIA**

Iser, Christopher M.

**DURHAM DOWNTOWN**

Lewellyn, Earl R.

**FORT MILL**

Holcomb, John E.

**RALEIGH**

Adams, Richard C.  
Barber, Barry L.  
Beck, Chadwick W.  
Brewer, Brian J.  
Cochran, Adam P.  
Cook, Richard N.  
Deans, Neil T.  
Flanagan, Tammy L.  
Keil, Ashley R.  
Kuzenski, John D.  
Leverett, Christopher C.  
Meador, Emily H.  
Netzer, Lesley E.  
Thompson, Erin K.

**CENTRAL**

**DALLAS**

Fraccaro, Joseph A.  
Galloway, Steven D.  
Gary, Glenn A.  
Harris, Mark E.  
Henrichs, Tyler B.  
Hoppers, Kevin P.  
Nathan, Aaron W.  
Rader, Aaron K.  
Samarripas, Anthony M.

Sulkowski, Nicholas E.  
Williamson, Sarah T.

**FORT WORTH**

Arnold, Douglas M.  
Arnold, Scott R.  
Atkins, John R.  
Hill, Bradley J.  
James, Richard J.  
Webb, Floyd C.

**FRISCO**

Brignon, Brit A.  
Coppin, Thomas G.  
McCracken, Paul D.  
Dickey, Kyle A.

**IRVING/LAS COLINAS**

Ante, Louis N.

**FLORIDA**

**BOCA-DELRAY**

Webber, Jason A.  
Haggerty, Jordan L.

**FORT LAUDERDALE**

Alam, Mudassar M.  
Capelli, Jill A.  
Dabkowski, Adrian K.  
Emmons, Erin N.  
Falce, Christopher T.  
McWilliams, John J.  
Ratay, Gary R.  
Robertson, Stewart E.  
Viola, Stefano F.

**FORT MYERS**

Bryant, M. Lewis  
Clark, Kellie R.

**GAINESVILLE**

Towne, Christopher

**JACKSONVILLE**

Brenny, Martin T.  
Mecca, Joseph P.  
Mullis, Raiford M.  
Roland, George E.  
Shelton, Mark W.

**LAKELAND**

Lewis, Jason A.  
Wilson, Mark E.  
White, Wayne E.



Kimley-Horn and Associates, Inc.  
FULL CONTRACT SIGNING AUTHORITY  
December 14, 2023

MELBOURNE

Husainy, Kinan F.

MIAMI

Almonte, Leonte I.  
Baldo, Burt L.  
Buchler, Aaron E.  
Collier, Julio A.  
Fernandez, Jorge L.  
Fye, Barton J.

OCALA

Busche, Richard V.  
Gartner, Amber L.  
Losito, Gene B.

ORLANDO

Chau, Hao T.  
Lenzen, Brent A.  
Littrell, Lance R.  
Martin, Jonathan A.  
Mingonet, Milton S.  
Roberts, Heather A.  
Stickler, Brooks A.  
Thigpen, Jonathan D.  
Wetherell, Ryan S.

SARASOTA

Klepper, B. Kelley  
Nadeau, Gary J.  
Pankonin, James R.  
Schmid, Seth E.

ST. PETERSBURG

Dodge, Dawn M.  
Walker, Jordan W.

TALLAHASSEE

Barr, Richard R.  
DeVeau, Zachariah A.  
Kalbi, Shawn C.

TAMPA

Bulloch, Kelly B.  
Collins III, Carroll E.  
Gilner, Scott W.  
Lee, Nathan Q.

VERO BEACH

Good, Brian A.  
Lawson, Jacob B.  
Roberson, Kevin M.  
Thomas, Melibe S.  
Van Rens, Peter J.

WEST PALM BEACH

Lee, Jason R.  
Long, Jamea M.  
Mufleh, Marwan H.  
Rapp, Bryan T.  
Schanen, Kevin M.  
Schwartz, Michael F.  
Tercilla, Lindsey A.  
Walthall, David W.

WPB DOWNTOWN

Heggen, Christopher W.  
Spruce, Michael D.

MIDWEST

CHICAGO

DOWNTOWN

Lemmon, Peter C.  
Marnell, Colleen L.  
Mayer, Joseph P.  
Morton, Jr., Arthur J.

CHICAGO NORTH

SUBURBS

Cooper, Jason C.  
Tracy, Eric J.  
West, Craig L.

CHICAGO WEST

SUBURBS

Fander-Splitt, Rory K.  
Gamer, Chad S.  
Heinen, Andrew N.  
Kaufman, Phil R.  
Walker, Michaela E.  
Walker, William A.

COLUMBUS

Muller, Justin M.  
Reeves, Michael C.  
Schall, Andrew J.

INDIANAPOLIS

Butz, Jr., William A.  
Sheward, Bryan A.  
Wolfred, Maurice A.

KANSAS CITY

Kist, Matthew D.  
McKerrow, Jeff D.

NORTHEAST OHIO

Clements, Kevin J.

TWIN CITIES

Bishop, Mark C.  
Bourdon, Brandon J.  
Coyle, Daniel J.  
Elegert, Brandon R.  
Fosmo, Eric J.  
Hume, Robert M.  
Jensen, Matthew D.  
Matzek, William D.  
Phipps, Ryan A.  
Schmitz, William J.  
Wall, Lisa M.  
Zimmerman, David

TWIN CITIES- WEST

Kuhnau, JoNette L.  
Wurdeman, Brian M.

MOUNTAIN PACIFIC

ASPEN

Christensen, Bryce E.

BOISE

McDougald, Brandon D.  
Nicholson, Tim P.

BROOMFIELD

Pratt, Anthony J.

COLORADO SPRINGS

Gunderson, Eric J.  
Hess, Mitchell O.

DENVER

Andryscik, Kory J.  
Colvin, Scott W.  
Garinger, Amy M.  
Heiberger, John R.  
Krell, Gabriel M.  
Phelps, Randall J.  
Rowe, Curtis D.  
Salvagio, Robin  
Skeehan, Daniel L.  
Sobieski, Dennis M.  
McGee, Meaghan M.  
Valentine, Brian W.  
Wilhelm, William R.

FORT COLLINS

Felton, Emily P.

PORTLAND

Belsick, Jody W.

SALT LAKE CITY

Crowther, Brent C.  
Gresham, Teresa R.  
Johnson, Zachary A.  
O'Brien, Molly M.

SEATTLE

Kamerath, Marcy  
Reeverts, Canaan H.  
Williams, David S.

SOUTHWEST

LAS VEGAS

Ahartz, Shannon R.  
Jones, Christopher R.  
Moles, Richard A.  
Moore, Devin V.  
Mosley, Michael S.  
Wolf, Treasea

MESA

Burn, Jason M.  
Grandy, Michael L.  
Margetts, Sterling T.  
Mutti, Brent H.  
Walnum, Nathan C.

PHOENIX

Christian, Rajesh S.  
Connelly, Alissa J.  
Delmarter, Michael L.  
Ehrick, Taylor R.  
Henderson, Benjamin J.  
Thoma, Jayme R.  
Jupp, Andrew M.  
Kimm, Kevin J.  
Kissinger, John C.  
Leistiko, David J.  
Marella, Damon J.  
Perillo, Adam C.  
Sjogren, Timothy P.  
Smalkoski, Brian R.

RENO

Hildebrandt, Timothy H.  
Nasset, Brent J.

TUCSON

Payne, Kevin W.  
Rhine, Timothy J.

SOUTH

ALPHARETTA

Fanney, Angela L.  
Fanney, Lawson H.  
Hamilton, James R.  
James, Alvin B.  
Shearouse, Sarah  
Stricklin, David L.  
Walker, John D.

ATLANTA

Ergle, Kevin B.  
Fink, Kenneth L.

ATLANTA MIDTOWN

Bosman, Eric S.  
Coleman, Sean H.  
Eisey, Jeffrey B.  
Johnston, Sean P.  
Ross, Robert A.  
Triplett, Katherine R.

BIRMINGHAM

Bailey, Clark B.

MEMPHIS

Danley, Drake E.  
Minor, Henry W.  
Peregoy, Samuel J.  
Peregoy, Jennifer M.

MOBILE

Starling, Charles H.

NASHVILLE

Creasman, Brett R.  
Dufour, Zachary J.  
Espelet, Leonardo E.  
McMaster, Ryan L.

Neal, Philip H.

Rhodes, Christopher D.

SAVANNAH

Gwaltney, Jamie N.  
Marsengill, Chris C.

WOODSTOCK

West, Brian B.

TEXAS SOUTH

AUSTIN NORTH

Boecker, Brian C.  
Neal, Trey A.  
VanLeeuwen, Andrew W.

AUSTIN SOUTH

Hudson, Harrison M.  
Mason, Sean R.

BRYAN/COLLEGE

STATION

Lucas, Michael D.

HOUSTON

Frysinger, Ashley M.  
Frysinger, Chris V.  
Guillory, Michael B.

SAN ANTONIO

Farnsworth, Jeffrey A.  
Holscher, Nicholas F.

THE WOODLANDS

Freeman, Jr., Steven C.

SUPPLEMENT NO. 1  
CONSULTANT SERVICES AUTHORIZATION NO. 2  
Palm Beach County Water Utilities Department  
Contract for Consulting/Professional Services  
*Water Treatment Plant #2 Treatment and Disposal Improvements*  
Resolution No. R2018-1385 Contract Dated September 18, 2018

**LIST OF ATTACHMENTS**

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

# ATTACHMENT A

## SCOPE OF SERVICES

**PBCWUD Project No.:** 18-066

**Project Title:** Design Package 2 Construction Phase Services

Kimley-Horn and Associates, Inc. (Consultant) shall perform:

### Background

On September 28, 2018, the Palm Beach County Board of County Commissioners approved the Consultant Services Authorization (CSA) No. 1 with Consultant, to provide design, permitting, and bidding services for a new deep injection well (DIW) and associated Dual-zone Monitoring Well (DZMW) to provide brine disposal for the Magnetic Ion Exchange (MIEX®) anion exchange process and serve as the primary means of disposal for future nanofiltration concentrate. On February 25, 2022, Palm Beach County Board of County Commissioners approved the CSA No. 2 with Consultant, to provide construction phase services. CSA 2.1 includes additional services for the construction phase of the project.

The additional services for CSA 2.1 are required because of the following reasons:

- Youngquist Brothers, Inc. (Contractor's) approved Substantial Completion was established as November 28, 2023 and the Final Completion was established as January 27, 2024. A contract time extension for the Contractor has been approved for an additional 119 days.
- Due to Contractor delays, additional project management will be required of the Consultant.
- Due to Contractor delays, additional progress meetings will be required of the Consultant.
- The Contractor has exceeded the 270 days, 24 hour, 7 days a week drilling period approved in the original CSA 2, by 170 days. Additional 24 hour, 7 days a week oversight was required by the geologist.
- The Contractor required additional oversight for the DIW pre-test associated with the 12-hour injection test, coordination with plant staff, and clean-up of the washwater recovery basin (WWRB) used for the injection test. The Contractor conducted three (3) attempts associated with this pre-test. Multiple pre-tests, associated with the 12-hour injection test, and excessive oversight of clean-up of the Washwater Recovery Basin (WWRB), due to the Contractor's equipment not meeting the requirements during the first pre-test attempt, was not included in the original CSA 2.
- The Consultant has exceeded the review of the number of request for information (RFIs) approved in the original CSA 2.
- Because the Contractor exceeded 270 days, 24 hour, 7 day a week period, originally approved in CSA 2, fifteen (15) additional weekly reports are required to be drafted and submitted to the Florida Department of Environmental Protection (FDEP), underground injection control (UIC) division.
- Due to Contractor delays, additional monthly pay requests will require review by the Consultant.
- The UIC construction permit will expire in October 2024. Therefore, the Constultant will

submit a new UIC construction permit package, on behalf of Palm Beach County Water Utilities Department (PBCWUD).

### **Scope of Services**

Consultant will provide the following additional construction phase services for the new DIW, DZMW, waste brine tank structure, and related improvements at Water Treatment Plant No. 2 (WTP2).

### **Task 1 Construction Phase Services**

Additional construction phase services will consist of: submittal reviews; additional field observations/inspections; additional meeting attendance; additional review of contractor's payment applications; additional preparation of field reports; additional Florida Department of Environmental Protection (FDEP) Underground Injection Control (UIC) regulatory reporting; and additional permitting services as it relates to the FDEP UIC permit renewal. Consultant will utilize subconsultants JLA Geosciences, Inc. (JLA), McNabb-Miller Hydrogeologic Consulting, Inc (MHC), and Hillers Electrical Engineering, Inc. (Hillers) for additional hydrogeological services associated with the DIW and DZMW.

The Consultant's construction phase services will endeavor to provide PBCWUD a greater degree of confidence that the completed work by its construction contractor(s) (Contractor) will conform to the construction documents. The Consultant neither guarantees the performance of the Contractor nor assumes responsibility for any Contractor 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 PBCWUD and the Contractor. The Consultant shall have no responsibility for any Contractor 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.

It was assumed, in the original contract (CSA 2), approved on February 25, 2022, that substantial completion will be completed in eighteen (18) months and achieve final completion in twenty (20) months. At this time, the construction will be extended beyond the original final completion duration of twenty (20) months due to delay in the contract time, by the Contractor, of approximately six (6) months. Based on the latest Contractor's progress schedule, the Contractor is delayed approximately 136 days beyond the original contract time. Further, the Contractor received PBCWUD approval to extend the Contractor's Contract Time by 119 days. According to the Contractor's latest progress schedule, project completion will be approximately 17 days beyond the Contractor's Contract Time extension.

**Task 1.1 - Project Management:** Consultant will provide additional project management of Consultant's and Consultant's team and include administrative services consisting of coordination of meetings and communication, monthly processing of the Consultant's and subconsultants' invoices with supporting information, responses to revisions, preparation of progress reports and logs for each monthly invoice, and general administrative duties consisting of scanning, copying, printing, revising and updating documents needed for the project. The additional services will be provided for the duration of the delay based on the latest PBCWUD approval of Contractor's contract extension of 119 days. Note, subconsultants' billing rate shall be considered "ceiling rates". Subconsultants' invoices shall reflect their individual raw payroll rate with a maximum 3.0 multiplier for each monthly billing.

**Task 1.2 - Meetings:** It was assumed, in the original CSA 2 contract, that the Consultant will attend up to twenty-four (24) on-site and/or virtual monthly progress meetings, including four (4) additional bi-weekly meetings needed during heavy construction activity. It was also assumed that the Consultant's subconsultants, JLA and MHC would attend up to ten (10) on-site progress meetings. Based on the anticipated delay, the Consultant and the subconsultant (JLA and MHC) will attend five (5) additional progress meetings. Consultant will prepare agendas, for these additional

meetings, and provide these to the PBCWUD project manager for input/review prior to each progress meeting, conduct the meetings and prepare and distribute subsequent meeting minutes. The Consultant will incorporate one (1) set of review comments for each progress meeting and finalize the meeting minutes prior to transmitting to the Contractor, PBCWUD, and subconsultants. Consultant will also coordinate directly with the Contractor to develop agenda items to be discussed in each meeting. The additional services will be provided for the duration of the delay based on the latest Contractor's approved extension time noted under Task 1.1.

**Deliverable:**

1. Five (5) additional progress meeting minutes package

**Task 1.3 - Construction Administration:** It was assumed, in the original CSA 2 contract, that the Consultant will review up to forty (40) initial submittals, and ten (10) resubmittals. To date, the Consultant has reviewed 114 shop drawings (including original submittals, re-submittals, and final review of subconsultants' shop drawing review comments). Although the shop drawings were mostly complete (with the exception of 17 (seventeen) shop drawings requiring re-submittals), they were broken up by component and equipment, due to different supplier sources. The Contractor also noted that the reason the shop drawings were broken up the way they were is due to availability by supplier and/or manufacturer. It is anticipated that the Consultant will need to review twenty (20) additional submittals. Additionally, it was assumed that up to twenty (20) electrical and instrumentation and electrical (I&C) shop drawings would be reviewed by the Consultant's subconsultant, Hillers Electrical Engineering, Inc. (Hillers). Therefore, the Consultant has reviewed an additional 84 shop drawings and Hillers has reviewed an additional twelve (12) shop drawings, operations and maintenance and training plans associated with this project. It is assumed that PBCWUD will continue to review applicable submittals concurrently and that the PBCWUD project manager will manage all submittals reviewed by PBCWUD staff. The Consultant will combine submittal review comments and return copies to the Contractor and PBCWUD.

**Task 1.4 - Site Visits and Inspections:** It was assumed, in the original CSA 2 contract, that the duration of the construction phase from notice to proceed to substantial completion will take approximately eighteen (18) months. It was also assumed that the estimated construction schedule to complete the DIW and DZMW drilling and testing components for this project was 270 calendar days on a full-time basis; seven (7) days per week and twenty-four (24) hours per day. Additionally, it was assumed that the Consultant will provide a portion of the construction oversight for this task through on-site coverage by one (1) Geologist (split between MHC and JLA) at any given time during active construction activities of the DIW and DZMW. The purpose of the on-site coverage is to evaluate whether the Contractor's work is generally conforming to all contract and permit requirements and to review the quality, quantity, and progress of the work. Construction and testing data will also be collected and recorded to satisfy reporting requirements noted in the FDEP construction and testing permit.

Due to the Contractor's delays and additional time needed for observations of pre-testing for the 12-hr injection testing, the Consultant will provide twenty (20) additional site visits (four [4] hours per site visit) by the Engineer. The Geologist (split between MHC and JLA) coverage has exceeded the 270 calendar days (seven (7) days per week and twenty-four (24) hours per day) by 107 days. Therefore, an additional 107 days is required to complete the DIW and DZMW drilling and testing components for this project by MHC and JLA.

**Task 1.5 - Request for Information (RFI) and Change Orders:** In the original CSA 2, it was assumed that the Consultant will respond to reasonable requests for information and contract clarifications, provide interpretation of documents and technical specifications, and provide revised and written responses to requests related to the project, including up to five (5) RFI's. It was also assumed that Hillers will review up to five (5) RFIs and up to five (5) work directives/change orders. To date, the Consultant has reviewed up to twenty-eight (28) additional RFI's, which include review of subconsultant RFI's. Hillers has reviewed up to two (2) additional RFI's. It is assumed that

PBCWUD will complete the Change Order packages for approval, once reviewed by the Engineer.

**Task 1.7 - Monthly Pay Requests:** It was assumed, in the original CSA 2 contract, that the Consultant will review up to twenty (20) monthly pay requests. It was also assumed that the subconsultant (JLA) will review up to fifteen (15) monthly pay requests. Based on the Contractor's delays it is anticipated that the Consultant will review an additional five (5) preliminary and final monthly pay requests submitted by Contractor and the subconsultant will review an additional three (3) preliminary and final monthly pay requests submitted by Contractor

**Task 1.9 - Regulatory Communication and Operational Testing Request:** Frequent communication and reporting with FDEP UIC is required during construction and testing of both the DIW and DZMW to meet permit conditions. Efforts to meet the permit reporting requirements are discussed below.

**Weekly progress reports:** It was assumed, in the original CSA 2 contract, that a review of a total of forty (40) weekly reports for this subtask. This subtask included weekly reports will be prepared by subconsultants which will provide documentation as stipulated in the DIWs UIC permit specific condition V, Reporting Requirements, paragraph 2. This subtask also included one (1) review of each draft report, by the Consultant.

An additional fifteen (15) additional weekly reports were required to complete this subtask. The permit still requires that the weekly report be submitted to FDEP within forty-eight (48) hours after the end of each week. Consultant will continue to perform a prompt review of the report within twenty-four (24) hours of receipt. To allow a sufficient review time and meet permit conditions, it is assumed that Consultant's review will be performed concurrently with the review by PBCWUD.

**Deliverable:**

1. (15) fifteen additional weekly reports for review - completed

**Task 1.12 - Additional Permitting Support:** The Current FDEP construction and testing permit (Permit 0372840-001-UC/1X) expires on October 25, 2024. This permit will expire prior to completing the operational testing and securing an operating permit. As such, another construction and testing permit will need to be secured. The following services will be provided to secure the permit:

**Deliverable:**

1. FDEP application form with supporting documentation
2. Any applicable updates of the local and regional geologic and hydrogeologic conditions as required by FDEP.
3. An update of the area of review as required by FDEP.
4. Applicable updates to the monitoring plan.
5. Respond to requests for additional information (RAI) from FDEP (up to two [2] RAI responses).
6. Review draft permit issued by FDEP.

Payment of the FDEP permit processing fee and payment to advertise the permit notices in a local paper is not included in this task.

ATTACHMENT B

SUMMARY AND STATUS OF CONSULTANT SERVICES AUTHORIZATIONS

Auth. No.	PBCWUD Project No.	Title	Status	Project Total Amount	SBE Total Amount	SBE Participation %	Approved	
							By	Date
1	18-066	Water Treatment Plant No. 2 Treatment and Disposal Improvements Design, Permitting and Bidding Services	Approved	\$1,366,970.24	\$648,694.64	47.45%	BCC	09/18/18
1.1	18-066	Water Treatment Plant No. 2 Treatment and Disposal Improvements Design, Permitting and Bidding Services	Approved	\$97,819.50	\$41,388.00	42.31%	CRC	10/30/19
1.2	18-066	Water Treatment Plant No. 2 Treatment and Disposal Improvements Design, Permitting and Bidding Services	Approved	\$378,060.95	\$154,666.60	40.91%	BCC	05/05/20
1.3	18-066	Water Treatment Plant No. 2 Treatment and Disposal Improvements Design, Permitting and Bidding Services	Approved	\$92,813.56	\$27,257.56	29.36%	CRC	01/25/23
2	18-066	Design Package 2 Construction Phase Services	Approved	\$1,620,534.12	\$1,269,948.12	78.36%	BCC	02/08/22
2.1	18-066	Design Package 2 Construction Phase Services	Pending	\$570,365.01	\$434,955.15	76.25%	BCC	Pending
3	18-066	Design Package 1, 3, and 4 Construction Phase Services	Approved	\$2,140,039.71	\$938,485.11	43.85%	BCC	11/15/22

3.1	18-066	Design Package 1, 3, and 4 Construction Phase Services	Approved	\$0.00	\$0.00	0.00%	DIR	12/19/2023
3.2	18-066	Design Package 1, 3, and 4 Construction Phase Services	Pending	\$619,122.34	\$172,333.78	27.83%	BCC	Pending



**ATTACHMENT C**

**OEBO SCHEDULE 1**

**Office of Equal Business Opportunity Compliance Programs**

OEBO SCHEDULE 1

SOLICITATION/PROJECT/BID NAME: Design Package 2 Construction Phase Services

SOLICITATION/PROJECT/BID NO.: 18-066

SOLICITATION OPENING/SUBMITTAL DATE: Kimley-Horn and Associates, Inc.

COUNTY DEPARTMENT: Palm Beach County Water Utilities Department

Section A PLEASE LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY THE PRIME CONTRACTOR/CONSULTANT\* ON THE PROJECT:

NAME OF PRIME RESPONDENT/BIDDER: Kimley-Horn and Associates, Inc. ADDRESS: 1920 Wekiva Way, West Palm Beach, FL 33411

CONTACT PERSON: Andrea Carpenter, P.E. PHONE NO.: 561-845-0665 E-MAIL: andrea.carpenter@kimley-horn.com

PRIME'S DOLLAR AMOUNT OR PERCENTAGE OF WORK: \$135,409.86 Non-SBE MBE WBE SBE

Section B PLEASE LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY ALL SUBCONTRACTORS/SUBCONSULTANTS ON THE PROJECT BELOW:

Subcontractor/Sub consultant Name	(Check all Applicable Categories)				DOLLAR AMOUNT OR PERCENTAGE OF WORK					
	Non-SBE	MBE Minority Business	WBE Women Business	SBE Small Business	Black	Hispanic	Women	Caucasian	Asian	Other
1. Hillers Electrical Engineering, Inc. 23257 State Road #7, Suite 100 Boca Raton, FL 33428 (561) 461-9165	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>					\$14,776.58	
2. JLA Geosciences, Inc. 1907 Commerce Lane, Suite 104 Jupiter, FL 33458 (561) 748-0228	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				\$209,140.93		
3. McNabb-Miller Hydrogeologic Consulting, Inc. 4600 Military Trail, Suite 116 Jupiter, FL 33458 (561) 891-0763	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				\$211,037.64		
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						

(Please use additional sheets if necessary) Total \$420,178.57 \$14,776.58

Total Bid/Offer Price \$570,365.01 Total Certified S/M/WBE Participation \$434,955.15

I hereby certify that the above information is accurate to the best of my knowledge: Jason R. Lee Vice President

Note: 1. The amount listed on this form for a Subcontractor/sub consultant must be supported by price or percentage listed on the properly executed Schedule 2 or attached signed proposal. 2. Only those firms certified by Palm Beach County at the time of solicitation due date are eligible to meet the established OEBO Affirmative Procurement Initiative (API). Please check the applicable box and list the dollar amount or percentage under the appropriate demographic 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 03/05/2024

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: 18-066  
SOLICITATION/PROJECT NAME: Design Package 2 Construction Phase Services

Prime Contractor: Kimley-Horn and Associates, Inc. Subcontractor: Hillers Electrical Engineering, Inc.

(Check box(s) that apply)

☒SBE ☐WBE ☒MBE ☐M/WBE ☐Non-S/M/WBE Date of Palm Beach County Certification (if applicable): 10/17/21 - 10/16/24

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

Column 1 Column 2 Column 3  
☒Male ☐Female ☐African-American/Black ☒Asian American ☐Caucasian American ☐Supplier  
☐Hispanic American ☐Native American

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

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
1	Electrical Engineering	1			\$14,776.58


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: \$14,776.58

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.

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

Kimley-Horn and Associates, Inc.

Print Name of Prime

By:  Authorized Signature

Jason R. Lee

Print Name

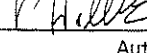
Vice President

Title

Date: May 20, 2024

Hillers Electrical Engineering, Inc.

Print Name of Subcontractor/subconsultant

By:  Authorized Signature

Paul F. Hillers

Print Name

President

Title

Date: May 20, 2024

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: 18-066  
SOLICITATION/PROJECT NAME: Design Package 2 Construction Phase Services

Prime Contractor: Kimley-Horn and Associates, Inc. Subcontractor: JLA Geosciences, Inc.

(Check box(s) that apply)

☒SBE ☐WBE ☐MBE ☐M/WBE ☐Non-S/M/WBE Date of Palm Beach County Certification (if applicable): 4/10/23-4/9/26

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

Column 1	Column 2	Column 3
<input checked="" type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> African-American/Black <input type="checkbox"/> Asian American <input checked="" type="checkbox"/> Caucasian American	<input type="checkbox"/> Supplier
	<input type="checkbox"/> Hispanic American <input type="checkbox"/> 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	Hydrogeological Consulting	\$209,140.93	1	-	\$209,140.93
	Commodity Codes: 91843, 91855, 92683, 96143, 96892				

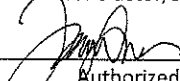
The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: \$209,140.93

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:   
Jason R. Lee  
Print Name  
Vice President  
Title  
Date: May 20, 2024

JLA Geosciences, Inc.  
Print Name of Subcontractor/subconsultant  
By:   
James Andersen  
Print Name  
President  
Title  
Date: May 20, 2024

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: 18-066  
SOLICITATION/PROJECT NAME: Design Package 2 Construction Phase Services

Prime Contractor: Kimley-Horn and Associates, Inc. Subcontractor: McNabb-Miller Hydrogeologic Consulting, Inc.

(Check box(es) that apply)  
☒ SBE ☐ WBE ☐ MBE ☐ M/WBE ☐ Non-S/M/WBE Date of Palm Beach County Certification (if applicable): 7/18/23 – 7/17/26

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

Column 1	Column 2	Column 3
<input checked="" type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> African-American/Black <input type="checkbox"/> Asian American <input checked="" type="checkbox"/> Caucasian American <input type="checkbox"/> Supplier	
	<input type="checkbox"/> Hispanic American <input type="checkbox"/> 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	Geological Consulting	1			\$211,037.64

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: \$211,037.64

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.

Name of 2<sup>nd</sup>/3<sup>rd</sup> tier Subcontractor/subconsultant

Price or Percentage:

Kimley-Horn and Associates, Inc.

Print Name of Prime

By: Jason R. Lee  
Authorized Signature

Print Name  
Vice President

Title  
Date: May 20, 2024

Date:

McNabb-Miller Hydrogeologic Consulting, Inc.

Print Name of Subcontractor/subconsultant

By: David M. McNabb  
Authorized Signature

David M. McNabb

Print Name  
President

Title  
Date: May 20, 2024

Date:

ATTACHMENT D

PROJECT SCHEDULE

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

<u>Engineering Services</u> <u>Proceed</u>	<u>Completion Date from Notice to</u>  (Calendar Days)
Task 1.1 – Project Management	119
Task 1.2 – Meetings	119
Task 1.3 – Construction Administration	119
Task 1.4 – Site Visits and Inspections	119
Task 1.5 – Request for Information (RFI) and Change Orders	119
Task 1.7 – Monthly Pay Requests	119
Task 1.9 – Regulatory Communication and Operational Testing Request	119
Task 1.12 – Additional Permitting Support	119

## ATTACHMENT E BUDGET SUMMARY

**Palm Beach County Water Utilities Department**  
**Contract for Consulting/Professional Services Water Treatment Plant #2 Treatment and Disposal Improvements**

**Resolution No. R2018-1385 Contract Dated 09/18/18**  
**Consultant Services Authorization No.: 2.1**  
**Consultant: Kimley-Horn and Associates, Inc.**

**Project Title: Design Package 2 Construction Phase Services**  
**PBCWUD Project No.: 18-066**

Task Number	Task Description	KHA	JLA	MHC	HEE	TOTAL
	<i>OEBO APPROVED AWARDED CATEGORY</i>	Non-SBE	SBE	SBE	SBE	
<b>TASK 1</b>	<b>Construction Phase Services</b>					
	Task 1.1 - Project Management	\$ 22,448.85	\$ -	\$ -	\$ -	\$ 22,448.85
	Task 1.2 - Meetings	\$ 11,587.50	\$ 3,529.17	\$ -	\$ -	\$ 14,677.50
	Task 1.3 - Construction Administration	\$ 31,792.32	\$ -	\$ -	\$ 10,548.72	\$ 43,445.67
	Task 1.4 - Site Visits and Inspections	\$ 18,660.00	\$ 179,928.24	\$ 189,402.84	\$ -	\$ 429,890.84
	Task 1.5 - RFIs and Change Orders	\$ 20,961.63	\$ -	\$ -	\$ 4,227.86	\$ 26,936.66
	Task 1.7 - Monthly Pay Requests	\$ 5,685.60	\$ 2,203.56	\$ -	\$ -	\$ 8,157.60
	Task 1.9 - Regulatory Communication and Operational Testing Request	\$ 8,713.80	\$ 7,345.20	\$ 21,634.80	\$ -	\$ 36,528.60
	Task 1.12 - Additional Permitting Support	\$ 15,560.16	\$ 16,134.76	\$ -	\$ -	\$ 27,805.16
	<b>TOTAL PROJECT</b>	<b>\$ 135,409.86</b>	<b>\$ 209,140.93</b>	<b>\$ 211,037.64</b>	<b>\$ 14,776.58</b>	<b>\$ 570,365.01</b>



ATTACHMENT E BUDGET SUMMARY												
Palm Beach County Water Utilities Department Contract for Consulting/Professional Services Water Treatment Plant #2 Treatment and Disposal Improvements Resolution No. <u>R2018-1385</u> Contract Dated <u>09/18/18</u> Consultant Services Authorization No.: <u>2.1</u> Consultant: <u>Kimley-Horn and Associates, Inc.</u> Project Title: <u>Design Package 2 Construction Phase Services</u> PBCWUD Project No.: <u>18-066</u>												
BUDGET SUMMARY FOR FIRM												
Task Number	Task Description	Principal	Project Manager	Professional	Engineer Intern/Analyst	Sr. Support Staff	Support Staff	Technical Support	PRIME TOTALS			
									Total Hours	Total Labor	Total Expenses	Total Labor and Expenses
	Raw Rate RANGE frm MASTER EXHIBIT C	\$95-\$115.36	\$75-\$96.82	\$39-\$77.75	\$33-\$46.35	\$39-\$53.56	\$22-\$40.17	\$28-\$75.19				
	Raw Rate >	\$ 115.36	\$ 96.82	\$ 77.75	\$ 46.35	\$ 53.56	\$ 40.17	\$ 75.19				
	Multiplier >	3	3	3	3	3	3	3				
	Bill Rate >	\$ 346.08	\$ 290.46	\$ 233.25	\$ 139.05	\$ 160.68	\$ 120.51	\$ 225.57				
Task 1	Construction Phase Services											
TASK 1.1	Project Management	0	60	0	0	20	15	0	95	\$ 22,448.85	\$ -	\$ 22,448.85
	Task 1.1 - Subtotal	0	60	0	0	20	15	0	95	\$ 22,448.85	\$ -	\$ 22,448.85
TASK 1.2	Meetings											
	Five (5) Monthly Progress Meetings	8	16	0	30	0	0	0	54	\$ 11,587.50	\$ -	\$ 11,587.50
	Task 1.2 - Subtotal	8	16	0	30	0	0	0	54	\$ 11,587.50	\$ -	\$ 11,587.50
TASK 1.3	Construction Administration											
	Shop Drawing Review (84)	0	42	84	0	0	0	0	126	\$ 31,792.32	\$ -	\$ 31,792.32
	Task 1.3 - Subtotal	0	42	84	0	0	0	0	126	\$ 31,792.32	\$ -	\$ 31,792.32
TASK 1.4	Site Visits and Inspections											
	Site Visits (20)	0	0	80	0	0	0	0	80	\$ 18,660.00	\$ -	\$ 18,660.00
	Task 1.4 - Subtotal	0	0	80	0	0	0	0	80	\$ 18,660.00	\$ -	\$ 18,660.00
TASK 1.5	RFIs and Change Orders											
	Twenty-eight (28) RFIs	0	28	55	0	0	0	0	83	\$ 20,961.63	\$ -	\$ 20,961.63
	Task 1.5 - Subtotal	0	28	55	0	0	0	0	83	\$ 20,961.63	\$ -	\$ 20,961.63

ATTACHMENT E  
BUDGET SUMMARY

Palm Beach County Water Utilities Department  
Contract for Consulting/Professional Services Water Treatment Plant #2 Treatment and Disposal Improvements  
Resolution No. R2018-1385 Contract Dated 09/18/18  
Consultant Services Authorization No.: 2.1  
Consultant: Kimley-Horn and Associates, Inc.  
Project Title: Design Package 2 Construction Phase Services  
PBCWUD Project No.: 18-066

BUDGET SUMMARY FOR FIRM												
Task Number	Task Description	Principal	Project Manager	Professional	Engineer Intern/Analyst	Sr. Support Staff	Support Staff	Technical Support	PRIME TOTALS			
									Total Hours	Total Labor	Total Expenses	Total Labor and Expenses
	Raw Rate RANGE from MASTER EXHIBIT C	\$95-\$115.36	\$75-\$96.82	\$39-\$77.75	\$33-\$46.35	\$39-\$53.56	\$22-\$40.17	\$28-\$75.19				
	Raw Rate >	\$ 115.36	\$ 96.82	\$ 77.75	\$ 46.35	\$ 53.56	\$ 40.17	\$ 75.19				
	Multiplier >	3	3	3	3	3	3	3				
	Bill Rate >	\$ 346.08	\$ 290.46	\$ 233.25	\$ 139.05	\$ 160.68	\$ 120.51	\$ 225.57				
TASK 1.7	Monthly Pay Request											
	Five (5) Monthly Pay Request	0	10	0	20	0	0	0	30	\$ 5,685.60	\$ -	\$ 5,685.60
	Task 1.7 - Subtotal	0	10	0	20	0	0	0	30	\$ 5,685.60	\$ -	\$ 5,685.60
TASK 1.9	Regulatory Communication and Op. Testing Request											
	Fifteen (15) Weekly Reports	0	30	0	0	0	0	0	30	\$ 8,713.80	\$ -	\$ 8,713.80
	Task 1.9 - Subtotal	0	30	0	0	0	0	0	30	\$ 8,713.80	\$ -	\$ 8,713.80
TASK 1.12	Additional Permitting Support											
	FDEP Permit Renewal	8	12	24	0	0	0	0	44	\$ 11,852.16	\$ -	\$ 11,852.16
	Two (2) RAI	4	8	0	0	0	0	0	12	\$ 3,708.00	\$ -	\$ 3,708.00
	Task 1.12 - Subtotal	12	20	24	0	0	0	0	56	\$ 15,560.16	\$ -	\$ 15,560.16
	Labor Subtotal Hours	20	206	243	50	20	15	0	554			
	Labor Raw Costs	\$ 2,307.20	\$ 19,944.92	\$ 18,893.25	\$ 2,317.50	\$ 1,071.20	\$ 602.55	\$ -		\$ 45,136.62		
	Labor Subtotal (Bill Rate * Labor Subtotal Hours)	\$ 6,921.60	\$ 59,834.76	\$ 56,679.75	\$ 6,952.50	\$ 3,213.60	\$ 1,807.65	\$ -		\$ 135,409.86		
	PROJECT TOTAL								554	\$ 135,409.86	\$ -	\$ 135,409.86



HILLERS ELECTRICAL ENGINEERING, INC.

December 12, 2023

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

Subject: WTP2 Design Package No.2 Deep Injection Well Construction – Engineering Services During Construction (SDC) – Supplement 1 Scope:

Dear Andrea:

Hillers Electrical Engineering, Inc. (HEE) is pleased to provide Kimley-Horn with this supplement proposal for the Engineering During Construction Services (Electrical, I&C) related to the above-referenced project. This supplement will be in addition to the previous PBCWUD-18-066, "Design Package 2 DIW Construction Phase Services Scope". This supplement scope will include the following:

Task 1 CONSTRUCTION PHASE SERVICES:

Task 1.3 – Construction Administration: HEE will review an additional/resubmittal of twelve (12) submittals, O&M, and training plans.

Task 1.5 – RFIs and Change Orders: HEE will review and respond to an additional two (2) RFIs.

Our proposed not-to-exceed fee for this supplement for Engineering Services During Construction is \$14,776.58, as per the 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'.

Thein Win, P.E.  
Senior Vice President  
Hillers Electrical Engineering, Inc.  
561-451-9165 x225

Palm Beach County Water Utilities Department								
Contract for Consulting/Professional Services Water Treatment Plant #2 Treatment and Disposal Improvements								
Resolution No. <u>R2018-1385</u> Contract Dated <u>09/18/18</u>								
Consultant Services Authorization No.: <u>2.1</u>								
Subconsultant: <u>Hillers Electrical Engineering, Inc.</u>								
Project Title: <u>Design Package 2 Deep Injection Well Construction Phase Services</u>								
PBCWUD Project No.: <u>18-066</u>								
HILLERS ELECTRICAL ENGINEERING, INC.								
Scope Fee Breakdown - Engineering In Construction Phase Services - Supplement 1 - Additional Funding for Shop Drawings, RFI's, and CO's								
Date: 12/12/2023								
Base Rate	\$251.16	\$206.31	\$164.45	\$155.48	\$140.53			
	Proj. Man.	Profess Eng.	Lead Eng.	Const. Coord	Designer	SUBTOTAL	TASK	TOTAL
PHASE OF WORK	Hours	Hours	Hours	Hours	Hours	Hours	COST	COST
Task 1 CONSTRUCTION PHASE SERVICES								
Task 1.3: Construction Administration								
Submittals (Additional)	0	24	0	36	0	60	\$10,548.72	
Task 1.5: RFI's and Change Orders								
RFI's (Additional)	2	6	0	16	0	24	\$4,227.86	
Constructoin Services Total Hours	2	30	0	52	0	84		
Total Construction Phase Services Total Cost	\$502.32	\$6,189.30	\$0.00	\$8,084.96	\$0.00			\$14,776.58

# JLA Geosciences, Inc.

HYDROGEOLOGIC CONSULTANTS

1907 Commerce Lane, Suite 104  
Jupiter, Florida 33458  
(561) 746-0228  
fax (561) 746-0119

May 14, 2024

Ms. Andrea Carpenter  
Kimley-Horn & Associates  
1920 Wekiva Way, Suite 200  
West Palm Beach, FL 33411

**RE: Request for Change Order; Palm Beach County Water Utilities Department, Water Treatment Plant No. 2, Class I Injection Well System Construction Management, Reporting and Permitting Services**

Dear Ms. Carpenter:

JLA Geosciences, Inc. (JLA) appreciates the opportunity to assist Kimley Horn and Associates (KHA) and Palm Beach County Water Utilities Department (PBCWUD) with hydrogeologic consulting services. This letter serves to provide a proposed change order (Change Order No. 1) to the above referenced project. Construction activities have extended beyond what was originally estimated, work currently in progress and other future efforts are anticipated to exceed the current contract amount of \$582,860.58.

The language below, in black non-italicized font, provides the original scope of work from the JLA proposal dated February 15, 2021. *Additional language, in blue italicized font, provides updated language describing the additional scope of work included in Change Order No. 1.*

## **BACKGROUND**

PBCWUD plans to upgrade WTP No. 2 to include membrane treatment. Disposal of treatment byproduct (concentrate) and MIEX waste regenerant (brine) will be by means of a new Class I deep injection well system. A construction and testing permit has been secured from the Florida Department of Environmental Protection (FDEP) Underground Injection Control (UIC). Design drawings and contract documents have been prepared, and efforts to secure the services of a suitable water well contractor by the bidding process is currently underway. This project consists of the scope items described below.

## **SCOPE OF WORK**

**Task 1.1 – Project Management:** It is understood this task covers the project management and administrative services by KHA of the consultant's team. JLA will coordinate with KHA and provide the necessary documentation to KHA for purposes of monthly invoices. Administrative services by JLA are incorporated in the tasks below.

**Task 1.2 – Meetings:** JLA will attend one (1) on-site kickoff (pre-construction) meeting and up to ten (10) on-site monthly progress meetings. JLA will coordinate with KHA and the drilling Contractor to develop agenda items to be discussed in each meeting. JLA will assist KHA in the preparation of meeting

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minutes. As of the date of this change order request, twenty-two (22) monthly progress meetings have been held; the most recent held on May 14, 2024. An additional one (1) monthly progress meeting is anticipated.

MHC Scope: It is understood that MHC will prepare for and attend the kick-off meeting and up to five (5) on-site monthly progress meetings.

**Task 1.3 – Construction Administration:** JLA will assist KHA with contract document interpretation as well as submittal, change order and construction schedule reviews. JLA will assist KHA to address requests for additional information and issue clarifications as appropriate. JLA will serve as the primary reviewer of submittals concerning the drilling, construction and testing of the subsurface (well) component of the project. Submittals will be reviewed for conformance with the intent of the contract documents. It is assumed that up to thirty (30) submittals with one (1) resubmittal each will be reviewed. JLA will receive submittals from KHA. JLA will review and provide comments to KHA for processing.

MHC Scope: It is understood that MHC will provide a limited role with submittal reviews that require submission to FDEP UIC as identified in the construction and testing permit. These submittals include: fluid disposal site; drilling pad design; construction schedule; site layout; and pad monitor well locations.

**Task 1.4 – Site Visits and Inspections:** It is anticipated that the construction phase from notice to proceed to substantial completion will take approximately eighteen (18) months. The estimated construction schedule to complete the drilling and testing components for this project is 270 days. It is assumed that the Contractor will perform work on a fulltime basis; seven (7) days per week and twenty-four (24) hours per day. Pricing for this effort is based on equal onsite coverage by a JLA or MHC hydrogeologist for 270 days with daily coverage of 24 hours per day. One hydrogeologist will be onsite at any given time. The purpose of the onsite coverage is to ensure all contract and permit requirements are met by the Contractor and to determine the quality, quantity and progress of the work. Construction and testing data will be collected and recorded to satisfy reporting requirements noted in the FDEP construction and testing permit.

*The Notice to Proceed (NTP) was issued on June 6, 2022. As of the date of this change order request, there have been more than fourteen (14) months of construction activities from NTP. Fulltime (24 hours/day and 7 days/week) onsite coverage by JLA and MHC commenced in early September 2022. By June 30, 2023, JLA and MHC have provided 270 days of fulltime coverage. Additional onsite coverage is needed equivalent to 107 days beyond the originally budgeted duration of 270 days.*

**Task 1.5 – Request for Information (RFI) by Contractor:** JLA will assist KHA as necessary to 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 and ten (10) work change directives / change orders.

MHC Scope: It is understood that JLA will provide the primary role to assist KHA with RFI efforts. JLA will collaborate with MHC as necessary to ensure RFI responses meet permit conditions.

**Task 1.6 – Pressure Test Witnessing:** This task pertains to pressure testing of the new piping systems associated with the waste brine pumping system. JLA will have no role in this task. Pressure testing and other testing related to construction of the injection well and dual-zone monitor well will be witnessed by JLA or MHC hydrogeologists and are incorporated in other tasks.

**Task 1.7 – Monthly Pay Request:** JLA will assist KHA with reviewing monthly pay requests submitted by the Contractor during the construction and testing of the injection well and dual-zone monitor well. JLA will provide review comments to KHA. It is assumed that JLA will assist KHA with up to twelve (12) monthly pay requests.

*As of the date of this change order request, JLA has assisted KHA with reviewing seventeen (17) pay requests submitted by the Contractor. It is anticipated that JLA will assist in the review of one additional pay request for a total of eighteen (18) pay requests. The original contract included a total of twelve pay requests for JLA review.*

MHC Scope: It is understood that MHC will have no role in this task.

**Task 1.8 – Record Drawings:** JLA will assist KHA in the preparation of record drawings as it pertains to the subsurface components of the injection well and dual-zone monitor. These components include well casing sizes, materials, setting depths, injection and monitor zone completions. JLA will not provide drawings in CADD format. JLA will review draft record drawings as necessary and as requested by KHA.

**Task 1.9 – Regulatory Communication:** Frequent communication and reporting with FDEP UIC is required during construction and testing to meet permit conditions. Efforts to meet the permit reporting requirements are discussed below.

Weekly progress reports: Weekly reports will provide documentation as stipulated in permit specific condition V.2. MHC will prepare the reports each week. JLA will perform one (1) review of each draft report and provide comments back to MHC. The permit requires that the weekly report be submitted to FDEP within 48 hours after the end of each week. JLA will perform a prompt review of the report within 24 hours of receipt. To allow a sufficient review time for KHA &/or PBCWUD and meet permit conditions, it is assumed that JLA's review will be performed in parallel with the review of others. A review of a total of forty (40) weekly reports are assumed in this subtask.

*As of the date of this change order request, reports have been submitted, and reviewed by JLA, each week for forty-nine (49) weeks. It is anticipated that JLA will perform reviews of weekly reports for an additional fifteen (15) weeks beyond the originally budgeted forty (40) weeks for a total of fifty-five (55) weeks.*

Requests for casing, injection zone, and monitor zone settings: FDEP approval is required for certain stages of construction as stipulated in permit specific condition III.B.4. This includes setting depths of the intermediate (36-inch) and final (26-inch) casings; the setting of the FRP injection tubing; injection zone selection; and upper and lower monitor zone selections. JLA will confer with MHC for recommendations to KHA and PBCWUD for proper casing setting depths and zone selections. MHC will prepare the request documents. JLA will review the documents and provide comments to MHC. A review of a total of three (3) request documents are assumed in this subtask.

Request to perform short-term injection test: FDEP approval is required to perform the short-term injection test. The injection test request document will include the Contractor's plan to perform the test. JLA will assist KHA with the review of the Contractor's plan. The approved plan will be provided to MHC for inclusion in the injection test request. MHC will prepare the draft request. JLA will review the document and provide comments to MHC. A review of one (1) injection test request document is assumed in this subtask.

Operational testing request: FDEP approval is required prior to commencing operational testing of the injection well system as stipulated permit specific condition VI.A. After completion of construction and testing of the injection well, associated dual-zone monitor well, associated piping, valves, electrical, instrumentation and other appurtenances, permit requirements must be satisfied to secure written authorization by FDEP to commence operational testing of the injection well system. The following services will be provided by JLA to secure authorization:

1. Compile necessary information obtained during construction and testing of the injection and dual-zone monitor as stipulated in the permit.
2. Assist KHA to prepare permit record drawings of the injection well system that are suitable for FDEP UIC. Costs for this effort are incorporated into the "Records Drawings" task.
3. Prepare Monthly Operating Report (MOR) forms to meet water quality and operating permit requirements.
4. Work with KHA to prepare a draft operation and maintenance (O&M) manual for the injection well system.
5. Prepare other necessary documentation stipulated in the permit to obtain authorization.
6. Submit operational testing request package to FDEP UIC
7. Assist KHA with responses to Requests for Additional Information (RAI) by FDEP (up to two)
8. Attend FDEP site inspection. JLA's efforts are incorporated into the "Startup and Testing" task.
9. Attend initial startup of system (as required by FDEP). JLA's efforts are incorporated into the "Startup and Testing" task.
10. Notify FDEP of operational testing commencement

**Task 1.10 – Well Construction Report:** A final completion report summarizing the construction and testing of the injection well and dual-zone monitor well will be prepared and submitted to FDEP as stipulated in permit specific condition V.7. It is understood MHC will prepare a separate report for each well. JLA will review the documents and provide comments to MHC. A review of a total of two (2) completion report documents are assumed in this task.



**Task 1.11 – Operating Permit Application:** After commencement of operational testing, permit conditions for operational testing must be met in order to obtain an operating permit. The operational testing period is complete upon securing an operating permit. After securing approximately six months of operational testing data, an application for an operating permit will be prepared. The following services will be provided by JLA to secure the permit:

1. Prepare tables and charts of operation and water quality data secured during operational testing. An interpretation of the data also will be prepared.
2. Assist KHA to record injection well survey plan at county courthouse (as required by FDEP).
3. Prepare certification of financial responsibility documentation.
4. Update Plugging and Abandonment (P&A) plan and cost estimate.
5. Perform an Area of Review (AOR) study. As part of the AOR study, JLA will review databases from SFWMD, USGS, FGS, and FDEP to prepare a comprehensive inventory of all wells within the review area.
6. Assist KHA to incorporate FDEP comments and finalize O&M manual.
7. Reference completion reports and other documents prepared during construction to show local and regional hydrogeology settings. Reference previous documents for demonstration of mechanical integrity.
8. Prepare proposed injection well system monitoring program.
9. Provide KHA, MHC and PBCWUD an electronic draft copy of the operating permit application package for review.
10. Incorporate draft application review comments and distribute electronic copy to KHA and PBCWUD for final review. KHA to serve as engineer of record and sign/seal permit application.
11. Incorporate final review comments and distribute electronic copy of permit application to KHA, PBCWUD, and FDEP.
12. Respond to up to three (3) FDEP requests for additional information (RAI). MHC will perform a review of each RAI response.
13. Review draft operating permit application issued by FDEP. JLA will provide comments to KHA, PBCWUD, and FDEP.
14. Advertising of the Notice of Draft Permit in local newspaper is excluded from this task. Advertisement to be performed by PBCWUD.

15. Attend FDEP draft permit public notice meeting.
16. Review Notice of Intent to issue an operating permit and provide comments.
17. Advertising of the Notice of Intent is excluded from this task. Advertisement to be performed by PBCWUD.

**Task 1.12 – Additional Permitting Support:** KHA will prepare a FDEP certification of construction completion. JLA will assist KHA as necessary. JLA's efforts to assist KHA are incorporated in the operational testing request subtask.

*The current FDEP construction and testing permit (Permit 0372840-001-UC/1X) expires on October 25, 2024. This permit will expire prior completing operational testing and securing an operating permit. As such, another construction and testing permit will need to be secured. The following services will be provided by JLA to secure the permit:*

1. FDEP application form with supporting documentation
2. Any applicable updates of the local and regional geologic and hydrogeologic conditions as required by FDEP
3. An update of the area of review as required by FDEP
4. Applicable updates to the monitoring plan
5. Respond to requests for additional information (RAI) from FDEP (up to 2 RAI responses)
6. Review draft permit issued by FDEP

*Payment of the FDEP permit processing fee and payment to advertise the permit notices in a local paper is not included in this change order request.*

**Task 1.13 – Startup and Testing:** JLA will assist KHA with startup and testing of the injection well system. Two (2) site visits are assumed for this task. One site visit will be performed during the FDEP inspection. Another site visit will be performed for the official startup of the system.

**Task 1.14 – Substantial and Final Completion Certification:** JLA will assist KHA with conducting substantial and final completion inspections of the work. Two (2) site visits are assumed. It is understood MHC will participate in substantial and final completion inspections. JLA will assist KHA in preparing punch list items for work to be completed.

**Task 1.15 – PLC Programming:** JLA will provide assistance to KHA and HEE for the PLC programming modifications to include the injection well system. JLA's assistance will be limited to guidance that programming data provides appropriate information for population of monthly operating forms required by FDEP.

#### COMPENSATION

JLA will perform the services described above on a time and material basis in an estimated amount of \$582,860.58. A detailed cost breakdown is attached.

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*JLA will perform the additional services described in blue italic font above on a time and material basis in an estimated additional amount of \$209,140.93. A detailed cost breakdown is attached.*

TASK 1.1 – Project Management	\$0.00
TASK 1.2 – Meetings	\$12,566.36
TASK 1.2 – Meetings (Change Order)	\$3,529.17
TASK 1.3 – Construction Administration	\$9,616.00
TASK 1.4 – Site Visits and Inspections	\$474,549.48
TASK 1.4 – Site Visits and Inspections (Change Order)	\$179,928.24
TASK 1.5 – Request for Information (RFI) by Contractor	\$5,299.73
TASK 1.6 – Pressure Test Witnessing	\$0.00
TASK 1.7 – Monthly Pay Request	\$5,496.42
TASK 1.7 – Monthly Pay Request (Change Order)	\$2,203.56
TASK 1.8 – Record Drawings	\$2,535.13
TASK 1.9 – Regulatory Communication	\$38,420.28
TASK 1.9 – Regulatory Communication (Change Order)	\$7,345.20
TASK 1.10 – Well Construction Reports	\$2,873.87
TASK 1.11 – Operating Permit Application	\$20,532.34
TASK 1.12 – Additional Permitting Support	\$0.00
TASK 1.12 – Additional Permitting Support (Change Order)	\$16,134.76
TASK 1.13 – Startup and Testing	\$2,950.36
TASK 1.14 – Substantial and Final Completion Certification	\$5,277.87
Task 1.15 – PLC Programming	\$2,742.74
TOTAL	\$582,860.58
TOTAL (Change Order)	\$209,140.93

**ASSUMPTIONS**

1. Payment of any permit fees will be made by others.
2. Advertisement of permit documents issued by FDEP will be performed by others.
3. KHA will serve as the Engineer of Record for the project and provide signed and sealed documents that are specifically required to be signed by and sealed by a Florida registered Professional Engineer.
4. Training of PBCWUD staff or others on the operation of the injection well system is not included in this work scope.
5. JLA will assist in the preparation and review of CADD/engineer as-built drawings, as needed, but the production of said drawings will be provided by others.

This proposal was prepared based on the information provided to date and our understanding of the project. If you feel that we have omitted anything or have not clearly defined the anticipated scope of work, we will gladly review additional information, and modify the scope and associated costs accordingly. We appreciate the opportunity to work with KHA, MHC and PBCWUD on this important project.

Encls: Hydrogeologic Services Estimate

ATTACHMENT E  
BUDGET SUMMARY

Palm Beach County Water Utilities Department  
Contract for Consulting/Professional Services Water Treatment Plant #2 Treatment and Disposal Improvements  
Resolution No. R2018-1385 Contract Dated 09/18/18  
Consultant Services Authorization No.: 2.1  
Consultant: Kimley-Horn and Associates, Inc.  
Sub-Consultant: JLA Geosciences, Inc.  
Project Title: Design Package 2 Construction Phase Services  
PBCWUD Project No.: 18-066

		Labor Classification and Hourly Rate									TASK TOTAL
Task Number	Task Description	President	Proj. Mngr. Prin./Hydro	Prof. Geo. / Snr Hydro III	Snr Hydro II	Snr Hydro I	Geol. / Hydro I	Geol. / Hydro I	Total Labor	Sub Consultant Services	
1.1	Project Management										\$ -
1.2	Meetings		9		9						\$ 3,529.17
1.3	Construction Administration										\$ -
1.4	Site Visits and Inspections	8	7	175	322	2	526	266			\$ 179,928.24
1.5	RFIs										\$ -
1.6	Pressure Test Witnessing										\$ -
1.7	Monthly Pay Requests				12						\$ 2,203.56
1.8	Record Drawings										\$ -
1.9	Regulatory Communications & Op. Testing Req.				40						\$ 7,345.20
1.1	Well Construction Reports										\$ -
1.11	Operating Permit Services										\$ -
1.12	Additional Permitting Support	8	16		60						\$ 16,134.76
1.13	Startup and Testing										\$ -
1.14	Substantial and Final Completion Certification										\$ -
1.15	PLC Programming										\$ -
	Subtotal	16	32	175	443	2	526	266	1460	\$ -	\$ 209,140.93
	Labor Subtotal Hours	16.00	32.00	175.00	443.00	2.00	526.00	266.00			
	Labor Hourly Billing Rates	\$ 222.62	\$ 208.50	\$ 187.18	\$ 183.63	\$ 154.37	\$ 107.49	\$ 105.09			
	Labor Raw Costs										
	Labor Multiplier										
	Labor SubTotal	\$ 3,561.92	\$ 6,672.00	\$ 32,756.50	\$ 81,348.09	\$ 308.74	\$ 56,539.74	\$ 27,953.94			
	Labor Total	\$209,140.93									
	Mileage/ODC	\$0.00									
	Subconsultant Total	\$0.00									
	Project Total	\$209,140.93									

Mileage calculated based on current US Internal Revenue Service standard rates.

**UPDATED PROPOSAL FOR PALM BEACH COUNTY WATER  
UTILITIES DEPARTMENT WATER TREATMENT PLANT #2 CLASS  
I INJECTION WELL SYSTEM CONSTRUCTION ADMINISTRATION  
SERVICES**

**Prepared for  
Kimley Horn and Associates**

**Kimley»»Horn**

**August 2023**

**McNabb-Miller Hydrogeologic Consulting, Inc  
4600 Military Trail, Suite 116  
Jupiter, Florida  
(561) 891-0763**

**PROPOSAL FOR PALM BEACH COUNTY WATER UTILITIES DEPARTMENT WATER  
TREATMENT PLANT #2 CLASS I INJECTION WELL SYSTEM CONSTRUCTION  
ADMINISTRATION SERVICES**

**I. PROJECT DESCRIPTION**

This proposal is for providing professional services to assist Kimley Horn and Associates (KHA) with construction administration and follow-up services for the construction of a Class I industrial deep injection well system at the Palm Beach County Water Utilities Department (PBCWUD) Water Treatment Plant (WTP) #2. PBCWUD has secured a construction permit to allow construction of a Class I deep injection well system at WTP #2. The facility will undergo an upgrade which includes the expansion of a membrane treatment plant. The byproduct of membrane treatment processes (concentrate) and MIEX waste regenerant (brine) will be disposed of via the proposed Class I deep injection well system.

In order to conduct the work outlined above, KHA has requested McNabb-Miller Hydrogeologic Consulting, Inc (MHC) to prepare this proposal to provide the professional services described herein. It is understood that the MHC will work in conjunction with JLA Geosciences, Inc. (JLA) in providing the construction administration and follow-up services.

**II. SCOPE OF SERVICES**

**SCOPE OF SERVICES**

Professional services for the PBCWUD WTP #2 injection well construction project covered in this Proposal include the following:

Task 1.1 - Project Management: It is understood that KHA 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 for each monthly invoice, and general administrative duties consisting of scanning, copying, printing, revising and updating documents needed for the project. MHC will coordinate with KHA to provide necessary documentation for monthly invoices.

Task 1.2 - Meetings: No additional effort is required for Task 1.2.

Task 1.3 - Construction Administration: No additional effort is required for Task 1.3.

Task 1.4 - Site Visits and Inspections: It was anticipated that the construction phase from notice to proceed to substantial completion would take approximately eighteen (18) months. It is assumed that daily construction, drilling, injection testing will be provided for the deep injection well and dual-zone monitoring well drilling and testing. The estimated schedule to complete the drilling and testing components for this project was 270 days. It was assumed that the Contractor will perform work on a fulltime basis; 7 days per week and 24 hours per day. Pricing for this effort was based on onsite coverage by a JLA or MHC hydrogeologist for 270 days with daily coverage of 24 hours per day. The work was to be split by MHC and JLA. The 270 day-duration for the construction of the wells

was reached on June 30, 2023. Construction and testing of the wells is not anticipated to be completed until October 15, 2023, which will be 107 days beyond the budgeted 270 days of construction duration due to contractor delay.

Task 1.5 – RFIs: No additional effort is required for Task 1.5.

Task 1.6 – Pressure Test Witnessing: No additional effort is required for Task 1.6.

Task 1.7 – Monthly Pay Request: No additional effort is required for Task 1.7.

Task 1.8 – Record Drawings: No additional effort is required for Task 1.8

Task 1.9 – Regulatory Communication and Operational Testing Request: MHC will maintain communication with FDEP-UIC staff during well construction. MHC shall prepare a weekly report for submittal for FDEP. A draft of the weekly report will be provided to PBCWUD for review and comment. In order to meet permit required time constraints, review comments must be obtained within 24 hours of submittal of the draft weekly report. This task includes one iteration of the weekly report. The weekly report will be signed and sealed by a Professional Geologist. The weekly report shall include daily logs, construction summaries as well as the information required by the FDEP permit. A total of 40 weekly construction reports were included with this task. MHC will prepare additional weekly reports and JLA will provide review of the additional draft weekly reports. This task was budgeted for 40 weeks of construction summary preparation. The estimated 107 additional days due to contractor delay will result in approximately 15 additional weeks of weekly construction summary report preparation.

Task 1.10 – Well Construction Reports: No additional effort is required for Task 1.10.

Task 1.11 – No additional effort is required for Task 1.11.

Task 1.12 – Additional Permitting Support: No additional effort is required for Task 1.12.

Task 1.13 – Startup and Testing: No additional effort is required for Task 1.13.

Task 1.14 – Substantial and Final Completion Certification: No additional effort is required for Task 1.14.

Task 1.15 - PLC Programming: No additional effort is required for Task 1.15.

### **III. ASSUMPTIONS**

- 1) KHA will serve as the Engineer of Record for the project and provide signed and sealed documents which are specifically required to be signed and sealed by a Florida registered Professional Engineer. Examples of such documents include Certification of Completion and Record Drawings.
- 2) Training of PBCWUD staff on the operation of the injection well system is not included in this proposal.

### **IV. OBLIGATIONS OF KHA**



To assist meeting schedule and budget estimates contained in this proposal, KHA and PBCWUD will provide the following:

1. Prompt review and comment on all deliverables except weekly construction summaries (within 5 working days of receipt).
2. Due to the permit requirement that weekly construction summaries be submitted to FDEP with 48-hours of the end of the weekly reporting period, any draft review comments for the weekly construction summary must be received within 24 hours of submittal of the draft weekly report for review.

**V. ADDITIONAL SERVICES**

MHC will, as directed, provide additional services that are related to the project but not included within this Proposal. These and other services can be provided, if desired, to KHA as an Amendment to the Proposal. Work will begin for the Additional Services after receipt of written notice to proceed from KHA. Additional services related to this project include services related to construction duration that last longer than indicated in this proposal.

**VI. COMPENSATION**

Professional fees for the above work will be on a Time and Expenses basis. The not-to-exceed amount of compensation is shown on Table 1, below.

**COMPENSATION**

Professional fees for each Task will be on a Time and Expenses basis. The estimated not-to-exceed amount of compensation is shown on the table below.

Task	Original Compensation (\$)	Additional Compensation (\$)	Task Total (\$)
1.1 – PROJECT MANAGEMENT	\$0	\$0	\$0
1.2 - MEETINGS	\$5,474.26	\$0	\$5,474.26
1.3 – CONSTRUCTION ADMINISTRATION	\$0	\$0	\$0
1.4 – SITE VISITS AND INSPECTIONS	\$499,567.20	\$189,402.84	\$688,970.04
1.5 - RFIs	\$1,442.32	\$0	\$1,442.32
1.6 – PRESSURE TEST WITNESSING	\$0	\$0	\$0
1.7 – MONTHLY PAY REQUESTS	\$0	\$0	\$0
1.8 – RECORD DRAWINGS	\$721.16	\$0	\$721.16
1.9 – REGULATORY COMMUNICATION AND OPERATIONAL TESTING REQUEST	\$84,474.06	\$21,634.80	\$106,108.86
1.10 - WELL CONSTRUCTION REPORTS	\$29,239.76	\$0	\$29,239.76
1.11 - INJECTION WELL SYSTEM OPERATING PERMIT SERVICES	\$1,802.90	\$0	\$1,802.90
1.12 – ADDITIOINAL PERMITTING SUPPORT	\$0	\$0	\$0
1.13 – STARTUP AND TESTING	\$0	\$0	\$0
1.14 - SUBSTANTIAL AND FINAL COMPLETION CERTIFICATION	\$1,802.90	\$0	\$1,802.90
1.15 – PLC PROGRAMMING	\$0	\$0	\$0
<b>Total</b>	<b>\$624,524.56</b>	<b>\$211,037.64</b>	<b>\$835,562.20</b>

McNabb-Miller Hydrogeologic Consulting, Inc PBCWUD WTP 2 Injection Well Construction Project Cost Breakdown							
Task Description	Senior Hydrogeologists \$180.29	Project Hydrogeologists \$147.51	Sub-Total	Additional Services - Senior Hydrogeologist \$180.29	Additional Services - Project Hydrogeologist \$147.51	Additional Services Sub-Total	Task Total
Task 1.1 - Project Management							\$0.00
Task 1.2 - Meetings							\$5,474.26
Kick-off meeting	3	9	\$1,868.46				
Progress meetings (5)	20		\$3,605.80				
Task 1.3 - Construction administration							\$0.00
Task 1.4 - Site visits and inspections							\$688,970.04
Field services		3240	\$477,932.40		1,284	\$189,402.84	
Communications	40		\$7,211.60				
Task management	80		\$14,423.20				
Task 1.5 - RFIs							\$1,442.32
Assist with RFI responses (2)	8		\$1,442.32				
Task 1.6 - Pressure test witnessing							\$0.00
Task 1.7 - Monthly pay requests							\$0.00
Task 1.8 - Record drawings							\$721.16
Review draft record drawings	4		\$721.16				
Task 1.9 - Regulatory communications and Operational testing request							\$106,108.86
Weekly construction reports (40)	320		\$57,692.80	120		\$21,634.80	
IW-1 intermediate casing recommendation	32		\$5,769.28				
IW-1 final casing recommendation	24		\$4,326.96				
MW-1 intermediate and final casing recommendation	32		\$5,769.28				
Short-term injection testing request	40	8	\$8,391.68				
Review draft request for operational testing	6		\$1,081.74				
Task management	8		\$1,442.32				
Task 1.10 - Well construction reports							\$29,239.76
IW-1 Construction and Testing report	32	60	\$14,619.88				
MW-1 Construction and Testing report	32	60	\$14,619.88				
Task 1.11 - Operating permit services							\$1,802.90
Review draft permit application	8		\$1,442.32				
Review Response to Request for Additional Information	2		\$360.58				
Task 1.12 - Additional Permitting Support							\$0.00
Task 1.13 - Startup and testing							\$0.00
Task 1.14 - Substantial and Final Completion Certification							\$1,802.90
Substantial completion inspection	6		\$1,081.74				
Final completion inspection	4		\$721.16				
Task 1.15 - PLC programming							\$0.00
Project Total						\$211,037.64	\$835,562.20

## ATTACHMENT E BUDGET SUMMARY

**Palm Beach County Water Utilities Department**  
**Contract for Consulting/Professional Services PBCWUD WTP#2 Treatment and Disposal Improvements**  
**Resolution No. R2018-1385 Contract Dated 09/18/18**  
**Consultant Services Authorization No.: 2.1**  
**Consultant: McNabb-Miller Hydrogeologic Consulting, Inc**  
**Project Title: Design Package 2 Construction Phase Services**  
**PBCWUD Project No.: 18-066**

Labor Classification and Hourly Rate									
Task Number	Task Description	Sr. Hydro.	Proj. Hydr					Total Labor	Sub Consultant Services
1.1	Project Management	0	0						
1.2	Meetings	0	0						
1.3	Construction Administration	0	0						
1.4	Site Visits and Inspections	0	1,284						
1.5	RFIs	0	0						
1.6	Pressure Test Witnessing	0	0						
1.7	Monthly Pay Requests	0	0						
1.8	Record Drawings	0	0						
1.9	Regulatory Communications & Op. Testing Req.	120	0						
1.10	Well Construction Reports	0	0						
1.11	Operating Permit Services	0	0						
1.12	Additional Permitting Support	0	0						
1.13	Startup and Testing	0	0						
1.14	Substantial and Final Completion Certification	0	0						
1.15	PLC Programming	0	0						
	<b>Subtotal</b>	120	1,284		0	0	0	\$ -	
	Labor Subtotal Hours	120	1,284	0	0	0	0		\$ -
	Labor Raw Costs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
	Labor Multiplier								
	Labor Sub Total	\$21,634.8	\$189,402.84	\$ -	\$ -	\$ -	\$ -		\$ -
	<b>Labor Total</b>	\$ -							
	Sub Consultant Labor Total	\$211,037.64							

	Sub Consultant Multiplier								
	Subcontract Total	\$211,037.64							
	Project Total	\$211,037.64							

Note: Senior Hydrogeologist billing rate is \$180.25/hour; Project Hydrogeologist billing rate is \$147.51/hour

**ATTACHMENT F**  
Palm Beach County Water Utilities Department  
Contract for Consulting/Professional Services  
*Water Treatment Plant # 2 Treatment and Disposal Improvements*  
Resolution No. R2018-1385 Contract Dated 09/18/18

**SUMMARY OF  
SBE-M/WBE BUSINESS TRACKING**

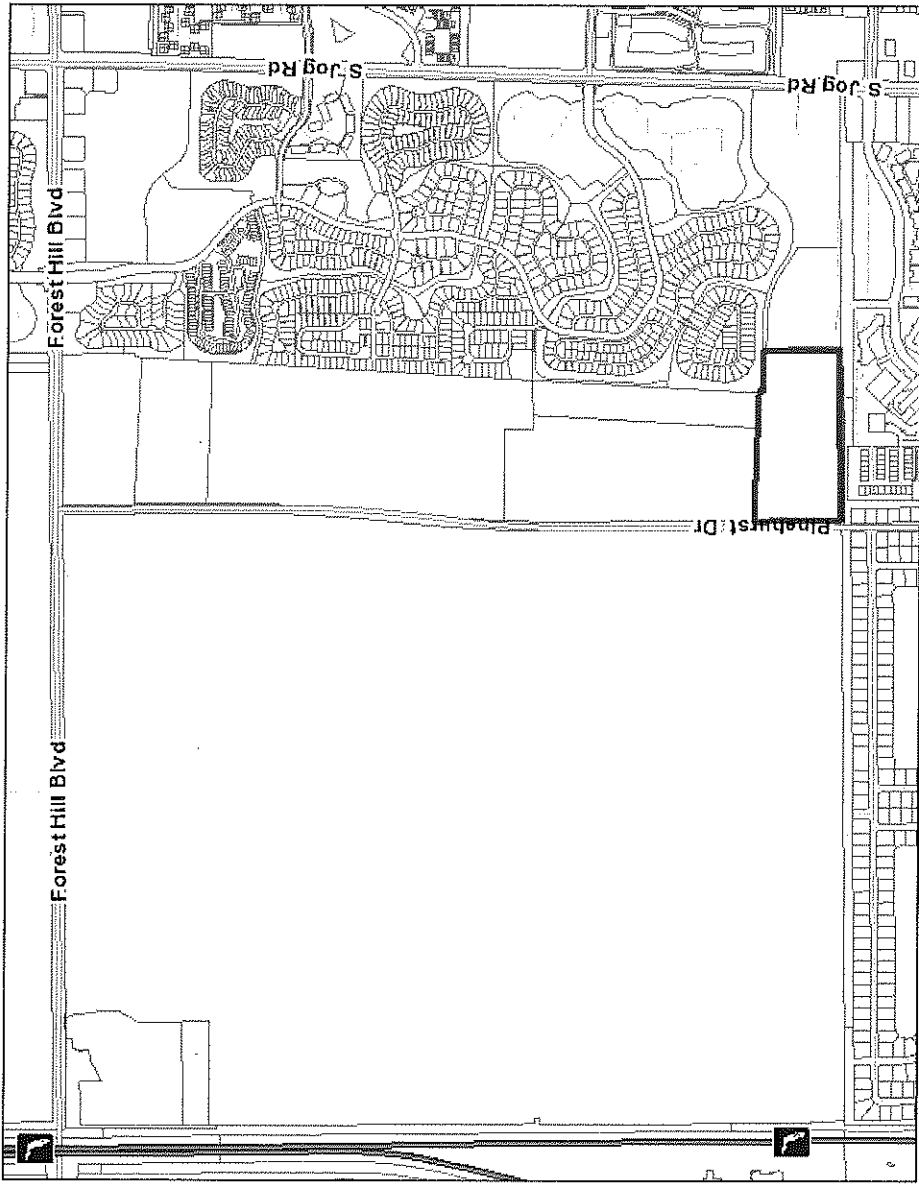
Master Contract Goals	Total:	SBE: 54%	M/MBE: 4%
Current Proposal			
Value of Authorization No. <u>2.1</u>	\$570,365.01		
Value of SBE-M/WBE Letters of Intent		\$434,955.15	\$14,776.58
Actual Percentage		76.25%	2.59%
Signed/Approved Authorizations			
Total Value of Authorizations	\$5,696,238.08		
Total Value of SBE-M/WBE Signed Subcontractors		\$3,080,440.03	\$912,743.60
Actual Percentage		44.32%	24.46%
Signed/Approved Authorizations Plus Current Proposal			
Total Value of Authorization	\$6,266,603.09		
Total Value of Subcontractors & Letters of Intent		\$3,515,395.18	\$927,520.18
Actual Percentage		56.09%	14.56%

Revised 03/05/2024

# ATTACHMENT G

## Location Map

PBCWUD Project No. 18-066



Revised 03/05/2024

# Inter-Office Memorandum

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Palm Beach County



Water Utilities Department

**DATE:** May 28, 2024  
**TO:** File  
**FROM:** Nicole Gumbs, P.E., Project Manager (Plants) *NPG*  
Palm Beach County Water Utilities Department, Engineering Division  
**RE:** TR01 18-066 Supplement 2.1  
Design Package 2 Construction Phase Services  
**FILE:** PBCWUD Project No. 18-066

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This supplement provides additional construction phase services due to delays in construction for the Deep Injection Well at Water Treatment Plant No. 2. Approximately three (3) additional months were needed to drill the deep injection well due to storm delays, lead time and delivery delays of equipment for pump selection, deep fractures that required additional drilling and cementing, and a delay in getting an electrical substation to the site. Additional oversight for drilling and injection testing were also needed for this project due to time delays and additional testing attempts respectively. Permitting services are required to renew the construction permit for the deep well. Time delays from the project being rebid in addition to construction delays have brought the permit close to expiration. The permit will need to be renewed in order to continue operational testing for the well.

This supplement is for cost and days. The cost of services for this supplement is \$570,365.01. An additional 119 days has been added to complete the work of this supplement, which aligns with the current time requested by change order from the Construction Contractor.



SUPPLEMENT NO. 2  
CONSULTANT SERVICES AUTHORIZATION NO. 3  
Palm Beach County Water Utilities Department  
Contract for Consulting/Professional Services  
*Water Treatment Plant #2 Treatment and Disposal Improvements*  
Resolution No. R2018-1385 Contract Dated September 18, 2018

**Project Title:** Design Package 1,3, and 4 Construction Phase Services

**PBCWUD Project No.:** 18-066

**Consultant:** Kimley-Horn and Associates, Inc.

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

**Budget Line Item No.:** 4011-721-W002-6541

**District No.:** 3

This Supplement Consultant Services Authorization provides for: Additional shop drawing review, RFI coordination, and construction site observation time due to coordination with PC Construction and Palm Beach County Water Utilities Department (PBCWUD). Additional coordination due to schedule delays from PC Construction related to the construction phase services associated with the Water Treatment Plant No. 2 design packages 1, 3, and 4. Construction includes construction of a 5.0 million gallon ground storage; two (2) aeration and mixing systems for ground storage tanks; one (1) lime softening water treatment unit (15 million gallons per day); one (1) surficial aquifer supply well; chemical storage delivery systems; exterior stairs and elevated walkways; and all electrical, instrumentation, piping, valves, pumps, paving, and general civil site improvements.

(See ATTACHMENT A for detailed scope of services)

The Contract provides for 54.00% SBE participation, which includes 4.00% M/WBE participation. This Supplement Consultant Services Authorization includes 27.83% overall participation which includes, 18.45% M/WBE participation, 18.45% MBE. The cumulative SBE participation, including this Supplement Consultant Services Authorization is 51.06%, which includes 16.26% M/WBE participation.

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 \$ 619,122.34
  - B. Fixed price of \$ 0
  - C. Total \$ 619,122.34
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.

SUPPLEMENT NO. 2  
CONSULTANT SERVICES AUTHORIZATION NO. 3  
Palm Beach County Water Utilities Department  
Contract for Consulting/Professional Services  
*Water Treatment Plant #2 Treatment and Disposal Improvements*  
Resolution No. R2018-1385 Contract Dated September 18, 2018

**Project Title:** Design Package 1,3, and 4 Construction Phase Services

**PBCWUD Project No.:** 18-066

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 Subconsultant (Letter of Intent).
6. This Authorization does not amend, change, or modify the Contract dated September 18, 2018, 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.

SUPPLEMENT NO. 2  
CONSULTANT SERVICES AUTHORIZATION NO. 3  
Palm Beach County Water Utilities Department  
Contract for Consulting/Professional Services  
*Water Treatment Plant #2 Treatment and Disposal Improvements*  
Resolution No. R2018-1385 Contract Dated September 18, 2018

**Project Title:** Design Package 1,3, and 4 Construction Phase Services

**PBCWUD Project No.:** 18-066

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

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

Joseph Abruzzo, Clerk of the Circuit Court  
& Comptroller, Palm Beach County

Palm Beach County, Board  
of County Commissioners

ATTEST:

Signed: \_\_\_\_\_ *KB* Signed: \_\_\_\_\_ *NPG*  
*for AB* Maria Sachs, Mayor

Typed Name: \_\_\_\_\_  
Deputy Clerk (Date) \_\_\_\_\_

Approved as to Form and Legal Sufficiency \_\_\_\_\_  
Kimley-Horn and Associates, Inc.  
(Consultant)

Signed: \_\_\_\_\_ *[Signature]* \_\_\_\_\_  
Jason R. Lee  
(Print Name)

Typed Name: Michael W. Jones  
County Attorney (Signature) \_\_\_\_\_

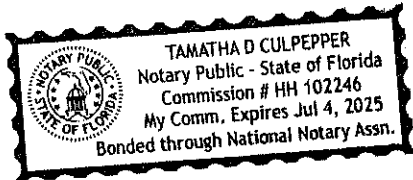
\_\_\_\_\_  
Vice President  
(Title)

\_\_\_\_\_  
May 28, 2024  
(Date)

STATE OF FLORIDA

COUNTY OF Palm Beach

The foregoing instrument was acknowledged before me by means of ☒ physical presence or ☐ online notarization,  
this 28th day of May, 2024, by Jason R. Lee who is ☒ personally known to me or ☐ has produced  
as identification.



\_\_\_\_\_  
(Signature of Notary Public - State of Florida)  
Tamatha D. Culpepper  
(Print, Type, or Stamp Commissioned Name of Notary Public)

# Kimley»Horn

December 20, 2023

**Certificate of Secretary**

To Whom It May Concern:

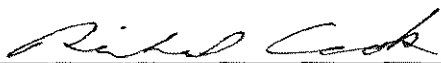
I am the duly qualified and acting Secretary of Kimley-Horn and Associates, Inc., a North Carolina Corporation.

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 14, 2023 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." (Copies of the employee lists as presented are 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.**  
**FULL CONTRACT SIGNING AUTHORITY**  
**December 14, 2023**

The following individuals have authority to sign both standard and non-standard agreements directly related to serving clients ("Project Agreements"). Project Agreements include client contracts, subcontracts, project-specific vendor agreements, IPO's, contract amendments, non-disclosure agreements, teaming agreements, project-specific equipment and facility rental agreements for specific projects, and certifications related to proposals. This document does not grant authorization to sign other types of contracts or legal documents not directly related to client service such as office leases, software purchase or license agreements, tax returns, purchase agreements for supplies, or agreements to procure accounting, legal, recruiting, or similar services.

**ATLANTIC**

**BALTIMORE CITY**

Falk, Katherine W.  
Kraft, Jonathan H.  
Miller, Sean T.  
Smith, Jeff B.

**BALTIMORE COUNTY**

Leffner, Nicholas J.  
Hutton, Heather

**BOSTON**

Jacques, Christopher  
Keegan, Katherine A.

**CHARLOTTESVILLE**

Oliver, Jonathan H.

**HARRISBURG**

Bankert, Larry I.  
McGinley, Steve M.

**LOUDON**

Bollinger, Kyle T.  
Giffin, Geoffrey D.

**NORTHERN VIRGINIA**

Carter, Erica V.  
D'Alessandro, Jonathan J.  
Elman, Paul D.  
Howell, Christopher M.  
Kauppila, John L.  
Koopman, Jennifer R.  
Lefton, Steven E.  
Milot, Sean M.  
Murphy, Erin M.  
Musson, David B.  
Prunty, Robert W.  
Samba, David B.  
Sauro, Thomas J.  
Schrader, Carly N.  
Smith, Andrew T.  
Stevens, Ross S.  
Teague, M. Zach  
Whyte, Richard D.

**PHILADELPHIA**

**CENTER CITY**

Harmon, Amanda R.  
Hughes, Paul W.  
Morgan, Taylor M.

**PITTSBURGH**

Beaves, Adele M.  
Beduhn, Tyler J.  
Moldovan, William

**PRINCETON**

Diggan, Tony W.  
Gibson, Adam T.

**RICHMOND**

Chance, Maxwell P.  
Crum, Katie E.  
Dougherty, Sean P.  
Harrell, Matthew T.  
Heustess, Aaron M.  
Hill, Corey W.  
Lickliter, Ashley C.  
McCray, Danielle R.  
McPeters, Brian A.  
Perkins, Ryan R.  
White, Timothy E.

**VIRGINIA BEACH**

Chambers, Jon S.  
Dallman, David B.  
Davidson, Scott O.  
Farthing, Andrew P.  
France, William D.  
Funk, Gerald S.  
Holland, Kimberly R.  
Holland, Stephen R.  
Mackey, William F.  
Mertig, Karl E.  
Miller Edward W.  
Moser, Emily A.  
Niss, Robyn M.  
Royal, Jack R.  
Schmitt, Gregory H.  
Votava Charles F.  
Wharton, Michelle L.  
Williams, Kyle D.  
Yee, Leong Wee

**WHITE PLAINS**

Canning, Thomas J.  
Van Hise, Kevin A.

**CALIFORNIA**

**LONG BEACH**

Hewitt, Melissa A.  
Phillips, Chad E.

**LOS ANGELES**

Chakravarthy, Srikanth

Duong, Danh  
Fares, Jean B.  
Kyle, Gregory S.  
Phaneuf, Alyssa S.  
Ranta, Shahrzad

**OAKLAND**

Akwabi, Kwasi  
Colety, Mike D.  
Dankberg, Adam J.

**ORANGE**

Adrian, Darren J.  
Bossu, David M.  
Glaze, Jacob S.  
Kerry, Nicole M.  
Matson, Jason B.  
Marechal, Jason A.  
Melchor, Jason J.  
Melvin, M. Pearse

**PLEASANTON**

Durrenberger, Randal R.  
Johnson, Miles R.  
Mehta, Parag G.  
Mowery, Michael C.  
Sowers, Brian E.

**RIVERSIDE**

Cowan, Eugene D.  
Pollock, John A.

**SACRAMENTO**

Melvin, Enda  
Pittalwala, Fareed S.  
Schmitt, Michael L.  
Tait, Zachary T.  
Weir, Matthew D.

**SAN DIEGO**

Barlow, Matthew T.  
Becker, Justin S.  
Harry, Jennifer L.  
Kaltsas, Joseph D.  
Madsen, Michael P.  
McCormick, Matthew B.  
McWhorter, Samuel L.  
Podegracz, Anthony J.  
Ulery, Megan R.  
Valencia, Jason B.

**SAN JOSE**

Hamilton, Robert J.  
Hedayat, Leyla  
Venter Frederik J.

**SAN MATEO**

Pulliam, John E.

**CAROLINAS**

**CHARLESTON**

Guy, Jonathan R.

**CHARLOTTE**

Blakley, Jr., Stephen W.  
Denney, Seth A.  
Edwards, Matthew A.  
Lewis, Ryan T.  
Pattison, Paul G.  
Racer, Joseph M.  
Taylor, Benjamin S.

**COLUMBIA**

Iser, Christopher M.

**DURHAM DOWNTOWN**

Lewellyn, Earl R.

**FORT MILL**

Holcomb, John E.

**RALEIGH**

Adams, Richard C.  
Barber, Barry L.  
Beck, Chadwick W.  
Brewer, Brian J.  
Cochran, Adam P.  
Cook, Richard N.  
Deans, Neil T.  
Flanagan, Tammy L.  
Keil, Ashley R.  
Kuzenski, John D.  
Leverett, Christopher C.  
Meador, Emily H.  
Netzer, Lesley E.  
Thompson, Erin K.

**CENTRAL**

**DALLAS**

Fraccaro, Joseph A.  
Galloway, Steven D.  
Gary, Glenn A.  
Harris, Mark E.  
Henrichs, Tyler B.  
Hoppers, Kevin P.  
Nathan, Aaron W.  
Rader, Aaron K.  
Samarripas, Anthony M.

Sulkowski, Nicholas E.  
Williamson, Sarah T.

**FORT WORTH**

Arnold, Douglas M.  
Arnold, Scott R.  
Atkins, John R.  
Hill, Bradley J.  
James, Richard J.  
Webb, Floyd C.

**FRISCO**

Brignon, Brit A.  
Coppin, Thomas G.  
McCracken, Paul D.  
Dickey, Kyle A.

**IRVING/LAS COLINAS**

Ante, Louis N.

**FLORIDA**

**BOCA-DELRAY**

Webber, Jason A.  
Haggerty, Jordan L.

**FORT LAUDERDALE**

Alam, Mudassar M.  
Capelli, Jill A.  
Dabkowski, Adrian K.  
Emmons, Erin N.  
Falce, Christopher T.  
McWilliams, John J.  
Ratay, Gary R.  
Robertson, Stewart E.  
Viola, Stefano F.

**FORT MYERS**

Bryant, M. Lewis  
Clark, Kellie R.

**GAINESVILLE**

Towne, Christopher

**JACKSONVILLE**

Brenny, Martin T.  
Mecca, Joseph P.  
Mullis, Raiford M.  
Roland, George E.  
Shelton, Mark W.

**LAKELAND**

Lewis, Jason A.  
Wilson, Mark E.  
White, Wayne E.

**Kimley-Horn and Associates, Inc.**  
**FULL CONTRACT SIGNING AUTHORITY**  
**December 14, 2023**

MELBOURNE  
Husainy, Kinan F.

MIAMI  
Almonte, Leonte I.  
Baldo, Burt L.  
Buchler, Aaron E.  
Collier, Julio A.  
Fernandez, Jorge L.  
Fye, Barton J.

OCALA  
Busche, Richard V.  
Gartner, Amber L.  
Losito, Gene B.

ORLANDO  
Chau, Hao T.  
Lenzen, Brent A.  
Littrell, Lance R.  
Martin, Jonathan A.  
Mingonet, Milton S.  
Roberts, Heather A.  
Stickler, Brooks A.  
Thigpen, Jonathan D.  
Wetherell, Ryan S.

SARASOTA  
Klepper, B. Kelley  
Nadeau, Gary J.  
Pankonin, James R.  
Schmid, Seth E.

ST. PETERSBURG  
Dodge, Dawn M.  
Walker, Jordan W.

TALLAHASSEE  
Barr, Richard R.  
DeVeau, Zachariah A.  
Kalbi, Shawn C.

TAMPA  
Bulloch, Kelly B.  
Collins III, Carroll E.  
Gilner, Scott W.  
Lee, Nathan Q.

VERO BEACH  
Good, Brian A.  
Lawson, Jacob B.  
Roberson, Kevin M.  
Thomas, Melibe S.  
Van Rens, Peter J.

WEST PALM BEACH  
Lee, Jason R.  
Long, Jamea M.  
Mufteh, Marwan H.  
Rapp, Bryan T.  
Schanen, Kevin M.  
Schwartz, Michael F.  
Tercilla, Lindsey A.  
Walshall, David W.

WPB DOWNTOWN  
Heggen, Christopher W.  
Spruce, Michael D.

**MIDWEST**

CHICAGO DOWNTOWN  
Lemmon, Peter C.  
Marnell, Colleen L.  
Mayer, Joseph P.  
Morton, Jr., Arthur J.

CHICAGO NORTH SUBURBS  
Cooper, Jason C.  
Tracy, Eric J.  
West, Craig L

CHICAGO WEST SUBURBS  
Fandler-Splitt, Rory K.  
Garner, Chad S.  
Heinen, Andrew N.  
Kaufman, Phil R.  
Walker, Michaela E.  
Walker, William A.

COLUMBUS  
Muller, Justin M.  
Reeves, Michael C.  
Schall, Andrew J.

INDIANAPOLIS  
Butz, Jr., William A.  
Sheward, Bryan A.  
Wolfred, Maurice A.

KANSAS CITY  
Kist, Matthew D.  
McKerrow, Jeff D.

NORTHEAST OHIO  
Clements, Kevin J.

TWIN CITIES  
Bishop, Mark C.  
Bourdon, Brandon J.  
Coyle, Daniel J.  
Elegert, Brandon R.  
Fosmo, Eric J.  
Hume, Robert M.  
Jensen, Matthew D.  
Matzek, William D.  
Phipps, Ryan A.  
Schmitz, William J.  
Wall, Lisa M.  
Zimmerman, David

TWIN CITIES- WEST  
Kuhnau, JoNette L.  
Wurdeman, Brian M.

**MOUNTAIN PACIFIC**

ASPEN  
Christensen, Bryce E.

BOISE  
McDougald, Brandon D.  
Nicholson, Tim P.

BROOMFIELD  
Pratt, Anthony J.

COLORADO SPRINGS  
Gunderson, Eric J.  
Hess, Mitchell O.

DENVER  
Andryscik, Kory J.  
Colvin, Scott W.  
Garinger, Amy M.  
Heiberger, John R.  
Krell, Gabriel M.  
Phelps, Randall J.  
Rowe, Curtis D.  
Salvagio, Robin  
Skeehan, Daniel L.  
Sobieski, Dennis M.  
McGee, Meaghan M.  
Valentine, Brian W.  
Wilhelm, William R.

FORT COLLINS  
Felton, Emily P.

PORTLAND  
Belsick, Jody W.

SALT LAKE CITY  
Crowther, Brent C.  
Gresham, Teresa R.  
Johnson, Zachary A.  
O'Brien, Molly M.

SEATTLE  
Kamerath, Marcy  
Reeverts, Canaan H.  
Williams, David S.

**SOUTHWEST**

LAS VEGAS  
Ahartz, Shannon R.  
Jones, Christopher R.  
Moles, Richard A.  
Moore, Devin V.  
Mosley, Michael S.  
Wolf, Treasea

MESA  
Burn, Jason M.  
Grandy, Michael L.  
Margetts, Sterling T.  
Mutti, Brent H.  
Walnum, Nathan C.

PHOENIX  
Christian, Rajesh S.  
Connelly, Alissa J.  
Delmarter, Michael L.  
Ehrick, Taylor R.  
Henderson, Benjamin J.  
Thoma, Jayme R.  
Jupp, Andrew M.  
Kimm, Kevin J.  
Kissinger, John C.  
Leistiko, David J.  
Marella, Damon J.  
Perillo, Adam C.  
Sjogren, Timothy P.  
Smalkoski, Brian R.

RENO  
Hildebrandt, Timothy H.  
Nasset, Brent J.

TUCSON  
Payne, Kevin W.  
Rhine, Timothy J.

**SOUTH**

ALPHARETTA  
Fanne, Angela L.  
Fanne, Lawson H.  
Hamilton, James R.  
James, Alvin B.  
Shearouse, Sarah  
Stricklin, David L.  
Walker, John D.

ATLANTA  
Ergle, Kevin B.  
Fink, Kenneth L.

ATLANTA MIDTOWN  
Bosman, Eric S.  
Coleman, Sean H.  
Else, Jeffrey B.  
Johnston, Sean P.  
Ross, Robert A.  
Triplett, Katherine R.

BIRMINGHAM  
Bailey, Clark B.

MEMPHIS  
Danley, Drake E.  
Minor, Henry W.  
Peregoy, Samuel J.  
Peregoy, Jennifer M.

MOBILE  
Starling, Charles H.

NASHVILLE  
Creasman, Brett R.  
Dufour, Zachary J.  
Espelet, Leonardo E.  
McMaster, Ryan L.

Neal, Philip H.  
Rhodes, Christopher D.

SAVANNAH  
Gwaltney, Jamie N.  
Marsengill, Chris C.

WOODSTOCK  
West, Brian B.

**TEXAS SOUTH**

AUSTIN NORTH  
Boecker, Brian C.  
Neal, Trey A.  
VanLeeuwen, Andrew W.

AUSTIN SOUTH  
Hudson, Harrison M.  
Mason, Sean R.

BRYAN/COLLEGE STATION  
Lucas, Michael D.

HOUSTON  
Frysinger, Ashley M.  
Frysinger, Chris V.  
Guillory, Michael B.

SAN ANTONIO  
Farnsworth, Jeffrey A.  
Holscher, Nicholas F.

THE WOODLANDS  
Freeman, Jr., Steven C.

SUPPLEMENT NO. 2  
CONSULTANT SERVICES AUTHORIZATION NO. 3  
Palm Beach County Water Utilities Department  
Contract for Consulting/Professional Services  
*Water Treatment Plant #2 Treatment and Disposal Improvements*  
Resolution No. R2018-1385 Contract Dated September 18, 2018

**LIST OF ATTACHMENTS**

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

# ATTACHMENT A

## SCOPE OF SERVICES

**PBCWUD Project No.:** 18-066

**Project Title:** Design Package 1,3, and 4 Construction Phase Service

Kimley-Horn and Associates, Inc. (CONSULTANT) shall perform:

### Background

On November 15, 2022, the Palm Beach County Board of County Commissioners approved the Consultant Services Authorization No. 3 (CSA No. 3) with the CONSULTANT to provide construction phase services associated with the Water Treatment Plant No. 2 (WTP No. 2) design packages 1, 3, and 4. Construction includes a 5.0 million gallon ground storage tank, two (2) aeration and mixing systems for ground storage tanks, one (1) lime softening water treatment unit (15 million gallons per day), one (1) surficial aquifer supply well, chemical storage and delivery systems, exterior stairs and elevated walkways, and all electrical instrumentation, piping, valves, pumps, paving, general civil site. PC Construction Company dba PCEO, Inc. (CONTRACTOR) is the Contractor on site.

The Contractor's approved Substantial Completion was established as August 31, 2024 and the Final Completion was established as October 31, 2024. This supplement does not include any scope, schedule, or fee associated with Contractor's delays that may extend beyond the established substantial and final completion dates.

The construction phase services require the following additional services:

- Additional coordination with Florida Design Drilling LLC (FDD) as part of the 19-022 project
  - Coordinate tie in locations for the raw watermain to supply wells 2W-4R, 2W-5R, 2W-6R.
  - Coordinate timing of fencing and roadway work to be completed by Contractor in the same work area as FDD.
  - Coordinate concrete washdown area maintenance between FDD and Contractor
- Additional meeting time associated with the Construction Progress Meetings
- Additional Weekly Lookahead Meeting
- Additional shop drawing review
- Additional coordination with Contractor related to the following:
  - Schedule
  - Substitution request
  - Schedule of values
  - Road closures
  - Disinfection/pressure test
  - Building department status of permit
  - Landscape permit coordination
  - Clarification on responsibilities
  - Clarification on Specifications
  - Chemical Trench adjustments
- Additional coordination with Palm Beach County Water Utilities Department (PBCWUD)
- Additional site visits and field observations
- Additional field reports and observations by a Professional Engineer associated with the Resident Building Inspector role required by Palm Beach County Planning, Zoning, and Building (PBCPZB).
- Additional Request for Information (RFI) review
- Additional coordination with Palm Beach County Environmental Resources Management (PBCERM)



SUPPLEMENT NO. 2  
CONSULTANT SERVICES AUTHORIZATION NO. 3  
Palm Beach County Water Utilities Department  
Contract for Consulting/Professional Services  
*Water Treatment Plant #2 Treatment and Disposal Improvements*  
Resolution No. R2018-1385 Contract Dated September 18, 2018

**Scope of Services**

CONSULTANT will provide the following additional construction phase services for the WTP No. 2 improvements and related scope at WTP No. 2.

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

CONSULTANT will provide additional project management to include coordination with the 19-022 Contractor for up to 32 hours of a Project Manager and 16 hours of a Professional.

As part of the Resident Inspector role, CHA Consulting, Inc. (CHA) will provide up to 10 additional hours of project management to coordinate scheduling of the inspection work

Note, subconsultants' billing rate shall be considered "ceiling rates". Subconsultants' invoices shall reflect their individual raw payroll rate with a maximum 3.0 multiplier for each monthly billing.

**Task 1.2 – Meetings:** CONSULTANT will provide a half hour (0.5) of additional time to attend construction progress meetings based on a one and a half (1.5) hour meeting duration.

CONSULTANT will attend up to one (1) weekly meeting with the Contractor based on a half-hour meeting duration for up to forty-six (46) meetings. The meeting will review the Contractor's construction activities for the week. This weekly meeting is required of the Contractor and CONSULTANT, per the Contract Documents and was not accounted for in the original CSA 3.

Subconsultant Hillers Electrical Engineering, Inc. (HEE) will attend twenty (20) additional meetings for a Professional Engineer and eight (8) additional meetings for construction coordinator.

**Task 1.3 – Construction Administration:** CONSULTANT will provide contract document interpretation as well as submittal, and construction schedule reviews. Submittals will be reviewed for general conformance with the intent of the contract documents.

- CONSULTANT will review up to one hundred fifty (150) additional submittals and fifty (50) additional resubmittals.
- HEE will review up to thirty (30) additional submittals, resubmittals, Operations and Maintenance (O&M) manuals, and training plans.

It is anticipated there will be additional time required to provide clarifications and coordinate with manufacturers and the Contractor.

CONSULTANT will review up to two (2) substitution requests. One (1) substitution requests is the request for High Density Poly Ethylene (HDPE) pipe in lieu of Ductile Iron Pipe (DIP), and the second substitution request is for the Contractor to use C.C. Control Corporation (CC Controls) as

SUPPLEMENT NO. 2  
CONSULTANT SERVICES AUTHORIZATION NO. 3  
Palm Beach County Water Utilities Department  
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Resolution No. R2018-1385 Contract Dated September 18, 2018

Instrumentation and Control (I&C) subcontractor. CONSULTANT will participate in one (1) workshop with PBCWUD for the substitution request on HDPE.

CONSULTANT will provide additional time associated with additional field coordination required with PBCWUD irrigation and the Contractor to review conflicts and adjust the alignment of the chemical trench and other below ground construction activities. CONSULTANT will attend up to four (4) site visits to review field conflicts for the chemical trench alignment.

**Task 1.4 – Site Visits and Inspections:** CONSULTANT will provide on-site inspections and observations by an on-site Resident Project Representative (RPR) full-time (five days/week) up to substantial completion. The original CSA 3 Task 1.4 assumed eight (8) hour work days. The Contractor's schedule includes a ten (10) hour day for the duration of construction. CONSULTANT will provide up to ten (10) hours additional time per week from April 1, 2023 up to February 16, 2024 to be on-site up to final completion on October 31, 2024 for 451.5 additional hours.

Ron Charter Consulting, (RCC), will provide up to 675 additional hours of on-site inspections and observations up to October 31, 2024.

HEE will provide up to thirty-three (33) weekly site visits and will provide a site visit report.

CONSULTANT will provide additional coordination with the Contractor during construction to aide in interpretation of Contract Documents and requirements, site visits to coordinate on site construction activities, and coordination with PBCWUD plant staff. CONSULTANT will provide up to 300 hours of additional Engineering site visits to coordinate with the Contractor and PBCWUD. Anticipated coordination:

- Road closures within the plant to coordinate the flow of traffic between contractors and PBCWUD operations
- Additional shutdown requests
- Coordination for the door manufacturer on the Control Building
- Coordination with Veolia for the solids contact clarifier
- Coordination with Odyssey for the tank mixer and aeration on the ground storage tanks
- Coordination for the chemical trench alignment

As part of the Resident Building Inspector requirements, per the PBCPZB, CONSULTANT will prepare up to fifteen (15) weekly reports by a Professional Engineer to submit to the PBCPZB. CHA will provide up to eighty four (84) additional hours of site visits. CONSULTANT and CHA will make limited site visits to review the steel reinforcing prior to concrete placement as per the PBCPZB requirements on the following structures:

- CONSULTANT
  - Well 2W-2R Slab
  - 5MG Ground Storage Tank (GST) influent flow meter pad
- CHA
  - Blend Box slab
  - Blend Box walls
  - Treatment Unit 3 foundation
  - Blowdown pumping station slab
  - Blowdown pumping station walls

SUPPLEMENT NO. 2  
CONSULTANT SERVICES AUTHORIZATION NO. 3  
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- Exterior new stair and slab
- Exterior new temporary stair
- Electronic Control Valve slab
- RPZ backflow preventer slab
- Catwalk grating and railing for treatment unit 3

**Task 1.5 – RFIs and Change Orders:** 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.

CONSULTANT will review up to forty (40) additional RFIs and up to four (4) additional change orders. It is assumed HEE will review up to twenty (20) additional RFIs and two (2) additional change orders.

**Task 1.10 – Additional Permitting Support**

CONSULTANT will coordinate with PBCERM for the following:

- Additional tree removal/protection of existing trees
- Up to one (1) site visit with PBCERM to confirm additional tree removal
- Coordination to discuss Contractor field findings.

CONSULTANT will provide up to two (2) plan revisions for the dry retention area. This is required due to the PBCPZB comments related to landscape code requirements.

CONSULTANT will coordinate with the Contractor to confirm the locations of existing trees to be removed, and to coordinate additional tagging of existing trees larger than 6" diameter to be removed. CONSULTANT will attend up to four (4) site visits with the Contractor to coordinate tree removal and protection requirements as part of the PBCERM permit. CONSULTANT will coordinate with the Contractor to confirm general conformance with the contract documents.

**Task 1.15 – Supervisory Control and Data Acquisition (SCADA) Assistance**

HEE will coordinate with the PBCWUD SCADA group and technicians for assistance in SCADA screens development for the following components:

- Ground Storage Tank No. 2 and No. 3 aeration system
- Treatment Unit No. 3
- Blowdown Pump Station
- Treatment Unit No. 2 additional motorized valve controls
- Lift Station No. 1 and No. 2
- Washwater Recovery Pump Station
- Fluoride System
- Hypochlorite Metering Pumps
- Hypochlorite Metering Pumps (Temporary system)

HEE will attend virtual coordination meetings with the PBCWUD SCADA group.

**ATTACHMENT B**

**SUMMARY AND STATUS OF CONSULTANT SERVICES AUTHORIZATIONS**

Auth. No.	PBCWUD Project No.	Title	Status	Project Total Amount	SBE Total Amount	SBE Participation %	Approved	
							By	Date
1	18-066	Water Treatment Plant No. 2 Treatment and Disposal Improvements Design, Permitting and Bidding Services	Approved	\$1,366,970.24	\$648,694.64	47.45%	BCC	09/18/18
1.1	18-066	Water Treatment Plant No. 2 Treatment and Disposal Improvements Design, Permitting and Bidding Services	Approved	\$97,819.50	\$41,388.00	42.31%	CRC	10/30/19
1.2	18-066	Water Treatment Plant No. 2 Treatment and Disposal Improvements Design, Permitting and Bidding Services	Approved	\$378,060.95	\$154,666.60	40.91%	BCC	05/05/20
1.3	18-066	Water Treatment Plant No. 2 Treatment and Disposal Improvements Design, Permitting and Bidding Services	Approved	\$92,813.56	\$27,257.56	29.36%	CRC	01/27/23
2	18-066	Water Treatment Plant 2 Treatment and Disposal Improvements Design, Permitting and Bidding Services	Approved	\$1,620,534.12	\$1,269,948.12	78.36%	BCC	02/08/22
2.1	18-066	Design Package 2 Construction Phase Services	Pending	\$570,365.01	\$434,955.15	76.25%	BCC	Pending
3	18-066	Water Treatment Plant 2 Treatment and Disposal Improvements Design, Permitting and Bidding Services	Approved	\$2,140,039.71	\$938,485.11	43.85%	BCC	11/15/22
3.1	18-066	Water Treatment Plant 2 Treatment and Disposal Improvements Design, Permitting and Bidding Services	Approved	\$0.00	\$0.00	0.00%	Director	12/19/23

3.2	18-066	Water Treatment Plant 2 Treatment and Disposal Improvements Design, Permitting and Bidding Services	Pending	\$619,122.34	\$172,333.78	27.83%	BCC	Pending
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**ATTACHMENT C**

**OEBO SCHEDULE 1**

**Office of Equal Business Opportunity Compliance Programs**

Revised 03-05-2024

OEBO SCHEDULE 1

SOLICITATION/PROJECT/BID NAME: Design Package 1, 3, and 4 Construction Phase Services SOLICITATION/PROJECT/BID NO.: 18-066  
SOLICITATION OPENING/SUBMITTAL DATE: N/A COUNTY DEPARTMENT: Palm Beach County Water Utilities Department

Section A PLEASE LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY THE PRIME CONTRACTOR/CONSULTANT\* ON THE PROJECT:  
NAME OF PRIME RESPONDENT/BIDDER: Kimley-Horn and Associates, Inc. ADDRESS: 1920 Wekiva Way, West Palm Beach, FL 33411  
CONTACT PERSON: Andrea Carpenter, P.E. PHONE NO.: 561-845-0665 E-MAIL: andrea.carpenter@kimley-horn.com  
PRIME'S DOLLAR AMOUNT OR PERCENTAGE OF WORK: \$429,097.56  
\*SMWBE Prime's must include their percentage or dollar amount in the Total Participation line under section B.

Non-SBE	MBE	WBE	SBE
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Section B PLEASE LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY ALL SUBCONTRACTORS/SUBCONSULTANTS ON THE PROJECT BELOW:

Subcontractor/Sub consultant Name	(Check all Applicable Categories)				DOLLAR AMOUNT OR PERCENTAGE OF WORK					
	Non-SBE	MBE	WBE	SBE	Black	Hispanic	Women	Caucasian	Asian	Other
		Minority Business	Women Business	Small Business						
1. Hillers Electrical Engineering, Inc. 23257 State Road #7, Suite 100 Boca Raton, FL 33428 561-451-8155	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>					\$114,283.78	
2. Ron Charter Consulting Inc 108 Silver Bell Crescent Royal Palm Beach, FL 33411 561-254-4498	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				\$58,050		
3. CHA Consulting, Inc. 3 Winners Circle, Suite 100 Alhambra, NY 12205-0269 854-510-4700	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						\$17,691.00
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
(Please use additional sheets if necessary)					Total			\$58,050.00	\$114,283.78	\$17,691.00

Total Bid/Offer Price \$ \$619,122.34  
Total Certified S/M/WBE Participation \$ \$172,333.78  
I hereby certify that the above information is accurate to the best of my knowledge: Jason R. Lee Vice President  
Name & Authorized Signature Title

Note: 1. The amount listed on this form for a Subcontractor/sub consultant must be supported by price or percentage listed on the properly executed Schedule 2 or attached signed proposal.  
2. Only those firms certified by Palm Beach County at the time of solicitation due date are eligible to meet the established OEBO Affirmative Procurement Initiative (API). Please check the applicable box and list the dollar amount or percentage under the appropriate demographic 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 03-05-2024



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: 18-066  
SOLICITATION/PROJECT NAME: Design Package 1, 3, and 4 Construction Phase Services

Prime Contractor: Kimley-Horn and Associates, Inc. Subcontractor: CHA Consulting, 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 if applicable):

Column 1 Column 2 Column 3  
☒ Male ☐ Female ☐ African-American/Black ☐ Asian American ☒ Caucasian American ☐ Supplier  
☐ Hispanic American ☐ Native American

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

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
1	Construction Administration	1			\$17,691.00

The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: \$17,691.00

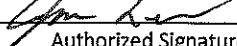
If the undersigned intends to subcontract any portion of this work to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 2.

Name of 2nd/3rd tier Subcontractor/subconsultant

Price or Percentage:

Kimley-Horn and Associates, Inc.

Print Name of Prime

By:  Authorized Signature

Jason R. Lee  
Print Name

Vice President

Title

Date: May 20, 2024

CHA Consulting, Inc.

Print Name of Subcontractor/subconsultant

By:  Authorized Signature

Douglas K. Hammann, P.E.  
Print Name

Project Team Leader

Title

Date: May 20, 2024



**CORPORATE RESOLUTION**

I, Gregory S. Corso, CEO of CHA Consulting, Inc., a corporation organized and existing under the laws of the State of New York, hereby certify that a resolution was duly adopted by the Board of Directors of said corporation, at a meeting duly held on the 7<sup>th</sup> day of May, 2024, pursuant to which Doug K. Hammann, Project Team Leader, is authorized to negotiate, make, execute and approve on behalf of this corporation, and to bind the corporation with respect to, contracts, proposals and other business transactions, and amendments, statements, certifications and other documents required in connection with such contracts or transactions or otherwise related thereto.

**AND I DO FURTHER CERTIFY** that the resolution set forth above has not been in any way altered, amended, revoked, or repealed and is now in full force and effect.

**IN WITNESS WHEREOF**, I hereunto set my hand this 7th day of May, 2024.

A handwritten signature in black ink, appearing to read 'Gregory S. Corso'.

Gregory S. Corso, CEO  
CHA Consulting, Inc.



# 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: 18-066

SOLICITATION/PROJECT NAME: Design Package 1, 3, and 4 Construction Phase Services

Prime Contractor: Kimley-Horn and Associates, Inc. Subcontractor: Hillers Electrical Engineering, Inc.

(Check box(s) that apply)

☒ SBE ☐ WBE ☒ MBE ☐ M/WBE ☐ Non-S/M/WBE Date of Palm Beach County Certification (if applicable): 10/17/21 - 10/16/24

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

Column 1

Column 2

Column 3

☒ Male ☐ Female

☐ African-American/Black ☒ Asian American ☐ Caucasian American  
☐ Hispanic American ☐ Native American

☐ Supplier

**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			\$114,283.78

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: \$114,283.78

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.

Name of 2<sup>nd</sup>/3<sup>rd</sup> tier Subcontractor/subconsultant

Price or Percentage:

Kimley-Horn and Associates, Inc.

Print Name of Prime

By:

Authorized Signature

Jason R. Lee

Print Name

Vice President

Title

Date: May 20, 2024

Hillers Electrical Engineering, Inc.

Print Name of Subcontractor/subconsultant

By:

Authorized Signature

Thein Win, P.E.

Print Name

Sr. Vice President

Title

Date: May 20, 2024

Revised 09/17/2019

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: 18-066  
SOLICITATION/PROJECT NAME: Design Package 1, 3, and 4 Construction Phase Services

Prime Contractor: Kimley-Horn and Associates, Inc. Subcontractor: Ron Charter Consulting, Inc.  
(Check box(s) that apply)

☒SBE ☐WBE ☐MBE ☐M/WBE ☐Non-S/M/WBE Date of Palm Beach County Certification (if applicable): 05/02/22 - 05/01/25

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

Column 1 Column 2 Column 3  
☒Male ☐Female ☐African-American/Black ☐Asian American ☒Caucasian American ☐Supplier  
☐Hispanic American ☐Native American

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

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
1	Construction Inspection Services	1			\$58,050.00

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: \$58,050.00

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.

Name of 2<sup>nd</sup>/3<sup>rd</sup> tier Subcontractor/subconsultant Price or Percentage:

Kimley-Horn and Associates, Inc.

Print Name of Prime

By: Jason R. Lee  
Authorized Signature

Jason R. Lee  
Print Name

Vice President  
Title

Date: May 20, 2024

Ron Charter Consulting, Inc.

Print Name of Subcontractor/subconsultant

By: Ronald Charter  
Authorized Signature

Ronald Charter  
Print Name

President  
Title

Date: May 20, 2024

## **ATTACHMENT D**

### **PROJECT SCHEDULE**

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

No Additional Time is requested. Contract to follow CSA 3.0.

Revised 03-05-2024

ATTACHMENT E BUDGET SUMMARY						
Palm Beach County Water Utilities Department Contract for Consulting/Professional Services Water Treatment Plant #2 Treatment and Disposal Improvements Resolution No. <u>R2018-1385</u> Contract Dated <u>09/18/18</u> Consultant Services Authorization: No. <u>3</u> Supplement No. <u>2</u> Consultant: <u>Kimley-Horn and Associates, Inc.</u> Project Title: <u>Design Package 1, 3, and 4 Construction Phase Services</u> PBCWUD Project No.: <u>18-066</u>						
Task Description	Kimley-Horn and Associates, Inc.	HEE	RCC	JLA	CHA	TOTAL
OEBO APPROVED AWARDED CATEGORY	Non-SBE	SBE + MBE (Asian)	SBE	SBE	Non-SBE	
Construction Phase Services						
Task 1.1 - Project Management	\$ 30,741.00				\$ 2,193.00	\$ 32,934.00
Task 1.1 - Subtotal	\$ 30,741.00	\$ -	\$ -	\$ -	\$ 2,193.00	\$ 32,934.00
Task 1.2 - Meetings	\$14,916.75	\$ 16,110.12				\$31,036.87
Task 1.2 - Subtotal	\$14,916.75	\$ 16,110.12	\$ -	\$ -	\$ -	\$31,036.87
Task 1.3 - Construction Administration	\$159,312.60	\$ 33,111.26				\$192,423.86
Task 1.3 - Subtotal	\$159,312.60	\$ 33,111.26	\$ -	\$ -	\$0.00	\$192,423.86
Task 1.4 - Site Visits and Inspections	\$138,202.65	\$ 25,654.20	\$ 58,050.00		\$ 15,498.00	\$237,404.85
Task 1.4 - Subtotal	\$138,202.65	\$ 25,654.20	\$ 58,050.00	\$ -	\$ 15,498.00	\$237,404.85
Task 1.5 - RFIs and Change Orders	\$52,363.56	\$ 14,782.56				\$ 67,146.12
Task 1.5 - Subtotal	\$52,363.56	\$ 14,782.56	\$ -	\$ -	\$ -	\$ 67,146.12
Task 1.10 - Additional Permitting Support	\$ 33,561.00					\$ 33,561.00

Task 1.10 - Subtotal	\$ 33,561.00	\$ -	\$ -	\$ -	\$ -	\$ 33,561.00
Task 1.15 - Supervisory Control and Data Acquisition (SCADA) Assistance	\$	\$ 24,625.64				\$ 24,625.64
Task 1.15 - Subtotal	\$	\$ 24,625.64	\$ -	\$ -	\$ -	\$24,625.64
EXPENSES						
TOTAL PROJECT	\$429,097.56	\$114,283.78	\$58,050.00	\$ -	\$17,691.00	\$619,122.34
Percentage	69.307%	18.459%	9.376%	0.000%	2.857%	100.000%
	CATEGORY	TOTAL AMOUNT			TOTAL %	FIRMS
	PRIME	\$429,097.56			69.307%	Kimley-Horn and Associates, Inc.
	Non-SBE	\$446,788.56			72.165%	Kimley-Horn and Associates, Inc., SEFEHS, WGI, ACAI, CHA
	SCH 1 OEBO Total Certified S/M/WBE	\$172,333.78			27.835%	HEE, JLA, RCC, ACAI
	SBE	\$172,333.78			27.835%	HEE, JLA, RCC
	M/WBE	\$114,283.78			18.459%	HEE, ACAI
	MBE (A)	\$114,283.78			18.459%	HEE

ATTACHMENT E BUDGET SUMMARY												
Palm Beach County Water Utilities Department Contract for Consulting/Professional Services Water Treatment Plant #2 Treatment and Disposal Improvements Resolution No. <u>R2018-1385</u> Contract Dated <u>09/18/18</u> Consultant Services Authorization: No. <u>3</u> Supplement No. <u>2</u> Consultant: <u>Kimley-Horn and Associates, Inc.</u> SubConsultant: Project Title: <u>Design Package 1, 3, and 4 Construction Phase Services</u>												
BUDGET SUMMARY FOR FIRM												
Labor Classification and Hourly Rates									PRIME TOTALS			
Task Number	Task Description	Principal	Sr. Professional/ Project Mgr	Professional	Engineer Intern/ Analyst	Sr. Support Staff	Support Staff	Technical Support	Total Hrs	Total Labor	Total Expenses	Total Labor and Expenses
	Raw Rate RANGE frm MASTER EXHIBIT C UPDATE	\$95 - \$115.36	\$75 - \$96.82	\$39 - \$77.25	\$33 - \$46.35	\$39 - \$53.56	\$22 - \$40.17	\$28 - \$75.19				
	2023 Raw Rate >	\$115.36	\$75.00	\$70.00	\$46.35	\$53.56	\$40.17	\$50.00				
	Multiplier >	3.00	3.00	3.00	3.00	3.00	3.00	3.00				
	Bill Rate >	\$346.08	\$225.00	\$210.00	\$139.05	\$160.68	\$120.51	\$150.00				
TASK 1.1	Project Management											
	Additional Coordination with subconsultants and team.		40	40	20					\$20,181.00	\$ -	\$20,181.00
	Additional coordination with Florida Design Drilling LLC as part of the 19-022 project		32	16						\$10,560.00		\$10,560.00
										\$ -		\$ -
	Task 1.1 - Subtotal	0	72	56	20	0	0	0	148	\$30,741.00	\$ -	\$30,741.00
TASK 1.2	Meetings											
	Additional time for construction progress meetings		12	12	12					\$6,888.60	\$ -	\$6,888.60
	Weekly lookahead meeting			23	23					\$8,028.15		\$8,028.15
										\$ -		\$ -
	Task 1.2 - Subtotal	0	12	35	35	0	0	0	82	\$14,916.75	\$ -	\$14,916.75



<b>TASK 1.3</b>	<b>Construction Administration</b>											
	<i>Shop Drawing Review (150) and Resubmittals (50)</i>	30	100	100	200					\$81,692.40	\$ -	\$81,692.40
	<i>Additional Coordination with PC Construction</i>	10	40	80	120					\$45,946.80		\$45,946.80
	<i>Additional Coordination with PBCWUD</i>	5	40	60	60					\$31,673.40		\$31,673.40
	<b>Task 1.3 - Subtotal</b>	<b>45</b>	<b>180</b>	<b>240</b>	<b>380</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>845</b>	<b>\$159,312.60</b>	<b>\$ -</b>	<b>\$159,312.60</b>
<b>TASK 1.4</b>	<b>Site Visits and Inspections</b>											
	<i>Inspector Field Time (10 hours per week up to 10.5 months)</i>							451.5		\$67,725.00	\$ -	\$67,725.00
	<i>Additional field coordination with PC Construction</i>			300						\$63,000.00	\$ -	\$63,000.00
	<i>Additional field reports and observations by a Professional Engineer associated with the Resident Inspector role required by Palm Beach County Planning, Zoning, and Building (PBCPZB) Fifteen weekly field reports and fifteen site visits.</i>			27			15			\$7,477.65	\$ -	\$7,477.65
	<b>Task 1.4 - Subtotal</b>	<b>0</b>	<b>0</b>	<b>327</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>451.5</b>	<b>793.5</b>	<b>\$138,202.65</b>	<b>\$ -</b>	<b>\$138,202.65</b>
<b>TASK 1.5</b>	<b>RFIs and Change Orders</b>											
	<i>RFIs (40)</i>	5	80	100	20			40		\$49,511.40	\$ -	\$49,511.40
	<i>Change Orders (4)</i>	2	4	6						\$2,852.16	\$ -	\$2,852.16
	<b>Task 1.5 - Subtotal</b>	<b>7</b>	<b>84</b>	<b>106</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>40</b>	<b>257</b>	<b>\$52,363.56</b>	<b>\$-</b>	<b>\$52,363.56</b>

TASK 1.10	<b>Additional Permitting Support</b>											
	Additional coordination with Palm Beach County Environmental Resources Management (PBCERM)		30		20					\$9,531.00	\$ -	\$9,531.00
	Additional coordination with Palm Beach County Planning, Zoning, and Building (PBCPZB)		15		40					\$8,937.00	\$ -	\$8,937.00
	Plan Revisions (up to 2) per PBCPZB comments		10		20					\$5,031.00		\$5,031.00
	Additional coordination with the Contractor related to PBCERM landscaping requirements		20		40					\$10,062.00		\$10,062.00
	<b>Task 1.10 - Subtotal</b>	<b>0</b>	<b>75</b>	<b>0</b>	<b>120</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>195</b>	<b>\$33,561.00</b>	<b>\$ -</b>	<b>\$33,561.00</b>
	<b>Total (Task 1.1-1.10)</b>	<b>52</b>	<b>423</b>	<b>764</b>	<b>575</b>	<b>0</b>	<b>15</b>	<b>491.5</b>	<b>2320.5</b>	<b>\$429,097.56</b>	<b>\$ -</b>	<b>\$429,097.56</b>
	<b>Labor Subtotal Hours</b>	<b>52</b>	<b>423</b>	<b>764</b>	<b>575</b>	<b>0</b>	<b>15</b>	<b>491.5</b>	<b>2320.5</b>			
	<b>Labor Raw Costs</b>	<b>\$5,998.72</b>	<b>\$31,725.00</b>	<b>\$53,480.00</b>	<b>\$26,651.25</b>	<b>\$ -</b>	<b>\$602.55</b>	<b>\$24,575.00</b>		<b>\$143,032.52</b>		
	<b>Labor Subtotal (Bill Rate * Labor Subtotal Hours)</b>	<b>\$17,996.16</b>	<b>\$95,175.00</b>	<b>\$160,440.00</b>	<b>\$79,953.75</b>	<b>\$ -</b>	<b>\$1,807.65</b>	<b>\$73,725.00</b>		<b>\$429,097.56</b>		
	<b>PROJECT TOTAL</b>								<b>2320.5</b>	<b>\$429,097.56</b>		<b>\$429,097.56</b>



Date: 11/16/2023

PROJECT No. 001078.000

Extra Work No. 01

EXTRA WORK AUTHORIZATION (EWA)

In accordance with the written Contract dated 11/14/2022 between the parties designated below for:

THE PROJECT: PBCWUD 18-066WTP #2 Improvements Design Package, 1, 3, and 4 Construction Services

THE CLIENT: Kimley-Horn and Associates

hereby authorizes the Engineer to proceed with additional services as follows:

SCOPE OF SERVICES:

Provide resident inspection services as requested by the Palm Beach County Building Department for the structural components of the project under the design responsibility of CHA/WGI Inc. (WGI), inclusive of Treatment Unit Unit #3, Treatment Unit #2, Blending Box, Stairs, handrails and walkways associated with the treatment units, Treatment Unit #1, and associated systems concrete slabs and structural accessories. The requirement of the Special inspector shall follow Chapter 458, Part XIII of the F.S. The special inspector shall be a Florida registered professional engineer. Work will be billed on an hourly basis for required inspections. Inspector shall provide signed and sealed reports to Client for submission to Building Department.

SCHEDULE:

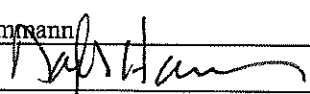
No schedule associated with extra work authorization, will be on as needed, requested basis for work overview and conformance to project drawings.

FEE

See attached fee breakdown.

Total cost of EWA is \$17,691.00.

Upon return of a fully-executed authorization, this Supplement shall become a part of the Agreement identified above.

APPROVED BY: ENGINEER	APPROVED BY: CLIENT
NAME: Doug Hammann	NAME:
SIGNATURE: 	SIGNATURE:
TITLE: Project Team Leader	TITLE:
DATE: 11/16/2023	DATE:

BUDGET SUMMARY												
Palm Beach County Water Utilities Department Contract for Consulting/Professional Services Water Treatment Plant #2 Treatment and Disposal Improvements Resolution No. <u>R2018-1385</u> Contract Dated <u>09/18/18</u> Consultant Services Authorization: No. 3 Supplement No. 2 Subconsultant: <u>CHA Consulting, Inc.</u> Project Title: <u>Design Package 1, 3, and 4 Construction Phase Services</u> Task: <u>Special Inspection Services</u> PBCWUD Project No.: <u>18-066</u>												
	TASK DESCRIPTION	PERSONNEL										
		Principal	Engineer 3	Engineer 7	Engineer 5	Engineer 3	Engineer 2	Technician 4	Technician 3	Technician 2	Resident	Administrative
1.1	Project Management			10								4
1.2	Meetings											
1.3	Construction Administration											
1.4	Site Visits and Inspections			84								
1.5	RFIs and Change Orders											
1.6	Pressure Test Witnessing											
1.7	Monthly Pay Requests											
1.8	Record Drawings											
1.9	Well On-site Field Construction and Completion Report											
1.10	Additional Permitting Support											
1.11	Startup and Testing											
1.12	Substantial and Final Completion Certification											
1.13	PLC Programming											
1.14	Health and Safety Evaluation											
	Total Hours	0	0	94	0	0	0	0	0	0	0	4
	Raw Labor Rate	\$82.00	\$74.00	\$61.50	\$53.00	\$41.00	\$29.63	\$37.14	\$34.33	\$28.50	\$36.00	\$28.00
	Multiplier	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
	Labor Billing Rate	\$246.00	\$222.00	\$184.50	\$159.00	\$123.00	\$89.49	\$111.42	\$102.99	\$85.50	\$108.00	\$87.00
	Sub-Total Labor	\$0.00	\$0.00	\$17,343.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$348.00
TOTAL LABOR											\$17,691.00	

II. REIMBURSABLE EXPENSES

EXPENSE ITEM	EXPENSE TYPE	UNIT	No. OF UNITS	COST PER UNIT	TOTAL COST
1	REPRODUCTION				
	Half Size Drawings (11" x 17")	EA	0	\$28.00	\$0.00
	Full Size Drawings (22" x 34")	EA	0	\$64.96	\$0.00
	Specification Booklets	EA	0	\$30.00	\$0.00
	Record Document CD's	EA	0	\$10.00	\$0.00
2	PHOTOCOPIES	EA	0	\$0.25	\$0.00
3	PLOTTING				
	22 X 34 (SET UP )	EA	0	\$15.00	\$0.00
	11 X 17 (SET UP)	EA	0	\$3.00	\$0.00
4	TRAVEL				
	MILEAGE	MILE	0	\$0.655	\$0.00
	TOLLS	EA	0	\$3.30	\$0.00
5	SUBCONSULTANTS				
	SURVEY	LS	0	\$0.00	\$0.00
	ELECTRICAL	LS	0	\$0.00	\$0.00
	STRUCTURAL (WGT)	LS	0	\$0.00	\$0.00
	GEOTECHNICAL	LS	0	\$0.00	\$0.00
	ARCHITECTURAL	LS	0	\$0.00	\$0.00
	SUBCONSULTANT MARKUP	LS	0	0%	\$0.00
TOTAL EXPENSES					\$0.00

GRAND TOTAL	\$17,691.00
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*HILLERS ELECTRICAL ENGINEERING, INC.*

December 19, 2023 (Rev. 5/21/24)

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

Subject: WTP2 Design Package No.1, No.3, and No.4 – Engineering Services During Construction (SDC) – Supplement 1 Addition Time and Supervisory Control and Data Acquisition (SCADA) Assistance Scope:

Dear Kaitlin:

Hillers Electrical Engineering, Inc. (HEE) is pleased to provide Kimley-Horn with an amendment proposal for the additional time for Engineering During Construction Services (Electrical, I&C) and SCADA Screens Assistance related to the above-referenced project. This amendment will be in addition to the previous PBCWUD-18-066R, "Design Package 1, 3, and 4 Construction Phase Services Scope". This amendment scope will include the following:

Task 1 CONSTRUCTION PHASE SERVICES:

Task 1.2 – Meetings: HEE will attend monthly and weekly progress meetings. An additional 20 (twenty) meetings for PE and an additional 8 (eight) meetings for construction coordinator.

Task 1.3 – Construction Administration: HEE will review an additional/resubmittal thirty (30) submittals, O&M, and training plans.

Task 1.4 – Site Visits and Inspections: HEE will perform an additional 33 site visits. Each site visit will include up to 4 hours on site field hours and 1 hour for creating field reports.

Task 1.5 – RFIs and Change Orders: HEE will review and respond to an additional twenty (20) RFIs and an additional two (2) work change directives/change orders.

SCADA SCREENS ASSISTANCE:

- Coordinate with the PBC SCADA group and technicians for assistance with the SCADA screens development associated with Design Package Nos.1-3-4, including Ground Storage Tank No.2 and No.3 Aeration System, Treatment Unit No.3 and Blowdown Pump Station, additional motorized valve controls for Treatment Unit No.2, plant site Lift Station No.1 and No.2, Washwater Recovery Pump Station, Fluoride System, Hypochlorite Metering Pumps, and temporary Hypochlorite metering pump system.

- Attend on-line coordination meetings, phone calls, etc. with PBC SCADA group.

Note: Actual development and deployment of the SCADA screens to the PBC SCADA server will be performed by the PBC SCADA technician and not part of the HEE's responsibility.

Our proposed not-to-exceed fee for Supplement No.1 for Engineering Services During Construction and SCADA Screens Assistance is \$114,283.78, as per the 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 over a horizontal line.

Thein Win, P.E.  
Senior Vice President  
Hillers Electrical Engineering, Inc.  
561-451-9165 x225

Palm Beach County Water Utilities Department									
Contract for Consulting/Professional Services Water Treatment Plant #2 Treatment and Disposal Improvements									
Resolution No. <u>R2018-1385</u> Contract Dated <u>09/18/18</u>									
Consultant Services Authorization No: 3.2									
Subconsultant: <u>Hillers Electrical Engineering, Inc.</u>									
Project Title: <u>Design Package 1, 3, and 4 Construction Phase Services</u>									
PBCWUD Project No.: <u>18-066</u>									
HILLERS ELECTRICAL ENGINEERING, INC.									
Scope Fee Breakdown - Engineering In Construction Phase Services - Supplement 1 - Additional Funding for Shop Drawings, RFI's, and CO's									
Date: 12/19/2023 (Rev. 5/21/2024)									
	Base Rate	\$251.16	\$206.31	\$164.45	\$155.48	\$140.53			
	Proj. Man.		Profess Eng.	Lead Eng.	Const. Coord	Designer	SUBTOTAL	TASK	TOTAL
PHASE OF WORK	Hours		Hours	Hours	Hours	Hours	Hours	COST	COST
Task 1 CONSTRUCTION PHASE SERVICES									
Task 1.2: Meetings									
Monthly and Weekly Progress Meetings (x20)	0	60	0	24	0	84	\$16,110.12		
Task 1.3: Construction Administration									
Submittals	0	58	0	136	0	194	\$33,111.26		
Task 1.4: Site Visits and Inspections									
Additional 33 Site Visits	0	0	0	165	0	165	\$25,654.20		
Task 1.5: RFI's and Change Orders									
RFI's (Additional 20) and Change Orders (Additional 2 CO's)	2	24	0	60	0	86	\$14,782.56		
Task: DP134 SCADA Screens Assistance									
GST No.2 and No.3 Aeration System		12	18			30	\$5,435.82		
Treatment Unit No.3 and Blowdown Pump Station		10	16			26	\$4,694.30		
Modification of Treatment Unit No.2		2	4			6	\$1,070.42		
Lift Station Modification (No.1 and No.2)		2	4			6	\$1,070.42		
Modification of Washwater Recovery System		2	6			8	\$1,399.32		
Modification of Fluoride System		2	4			6	\$1,070.42		
Modification of Hypochlorite Metering Pumps		12	14			26	\$4,778.02		
Temporary Hypochloite Metering Pumps, Meetings, Phone Calls		12	16			28	\$5,106.92		
Constructoin Services Total Hours									
	2	196	82	385	0	665			
Total Construction Phase Services Total Cost									
	\$502.32	\$40,436.76	\$13,484.90	\$59,859.80	\$0.00			\$114,283.78	

**Ron Charter Consulting**  
106 Silver Bell Crescent  
Royal Palm Beach, FL 33411  
(561) 254-4499

March 19, 2024

Kaitlin Townsend, P.E.  
Kimley-Horn and Associates, Inc.  
1920 Wekiva Way  
West Palm Beach, FL 33411

RE: PBCWUD WUD 17-065 Water Treatment Plant No. 2  
Construction Phase for DP 1, 3, and 4  
Construction Phase Services

Mrs. Townsend:

For documentation, Ron Charter confirms availability to provide construction phase services for the above-referenced project for a duration of up to 7 months, starting April 1, 2024. Per our discussion, the work will consist of up to 675 hours at \$86.00 per hour for a total fee of \$58,050.00. The following services will be provided:

- Attendance at the pre-construction meeting and progress meetings
- Site Visits and Field Report preparation
- Coordination and communication with Engineer and Owner as needed
- Assistance with addressing RFIs and Change Orders from the Contractor
- Assistance with reviewing Pay Applications as needed from the Contractor
- Attendance at the substantial and final completion walkthroughs, as needed
- Assistance with reviewing Record Drawings from the Contractor

Please let us know if you have any questions or require any additional information. Thank you.

RON CHARTER CONSULTING

Ron Charter, President



**ATTACHMENT F**

SUPPLEMENT NO. 2  
CONSULTANT SERVICES AUTHORIZATION NO. 3  
Palm Beach County Water Utilities Department  
Contract for Consulting/Professional Services  
Water Treatment Plant #2 Treatment and Disposal Improvements  
Resolution No. R2018-1385 Contract Dated 09/18/18

**SUMMARY OF  
SBE-M/WBE BUSINESS TRACKING**

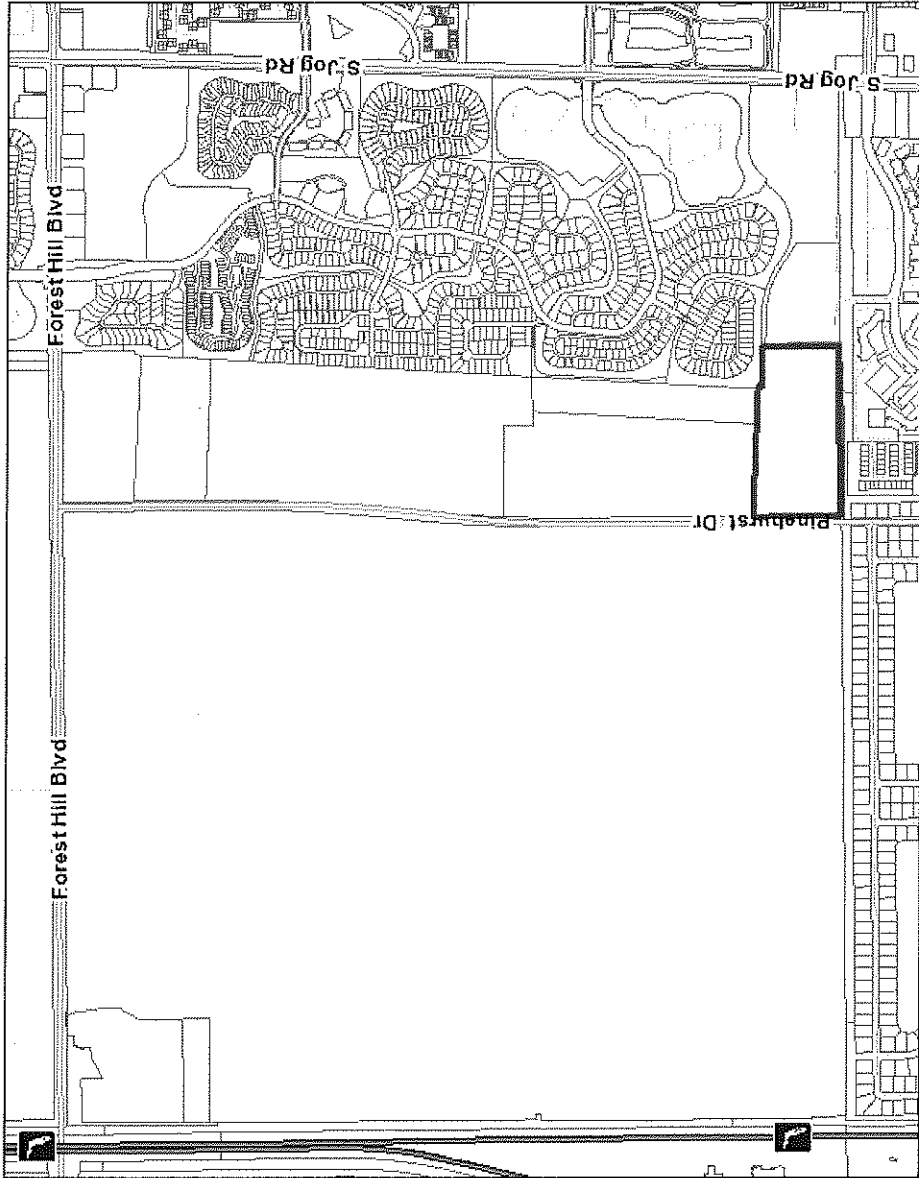
<b>Master Contract Goals</b>	<b>TOTAL</b>	<b>SBE: 54%</b>	<b>M/WBE: 4%</b>
Current Proposal			
Value of Authorization No. 3.2	<b>\$619,122.34</b>		
Value of SBE-M/WBE Letters of Intent		<b>\$172,333.78</b>	<b>\$114,283.78</b>
Actual Percentage		<b>27.83%</b>	<b>18.45%</b>
Signed/Approved Authorizations			
Total Value of Authorizations	<b>\$5,696,238.08</b>		
Total Value of SBE-M/WBE Signed Subcontractors		<b>\$3,052,608.03</b>	<b>\$912,743.60</b>
Actual Percentage		<b>53.59%</b>	<b>16.02%</b>
Signed/Approved Authorizations Plus Current Proposal			
Total Value of Authorization	<b>\$6,315,360.42</b>		
Total Value of Subcontractors & Letters of Intent		<b>\$3,224,941.81</b>	<b>\$1,027,027.38</b>
Actual Percentage		<b>51.06%</b>	<b>16.26%</b>

Revised 03-05-2024

ATTACHMENT G

Location Map

PBCWUD Project No. 18-066



Revised 03-05-2024

# Inter-Office Memorandum

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Palm Beach County



Water Utilities Department

**DATE:** May 28, 2024  
**TO:** File  
**FROM:** Nicole Gumbs, P.E., Project Manager (Plants) *NPG*  
Palm Beach County Water Utilities Department, Engineering Division  
**RE:** TR01 18-066 Supplement 3.2  
Design Package 1, 3, and 4 Construction Phase Services  
**FILE:** PBCWUD Project No. 18-066

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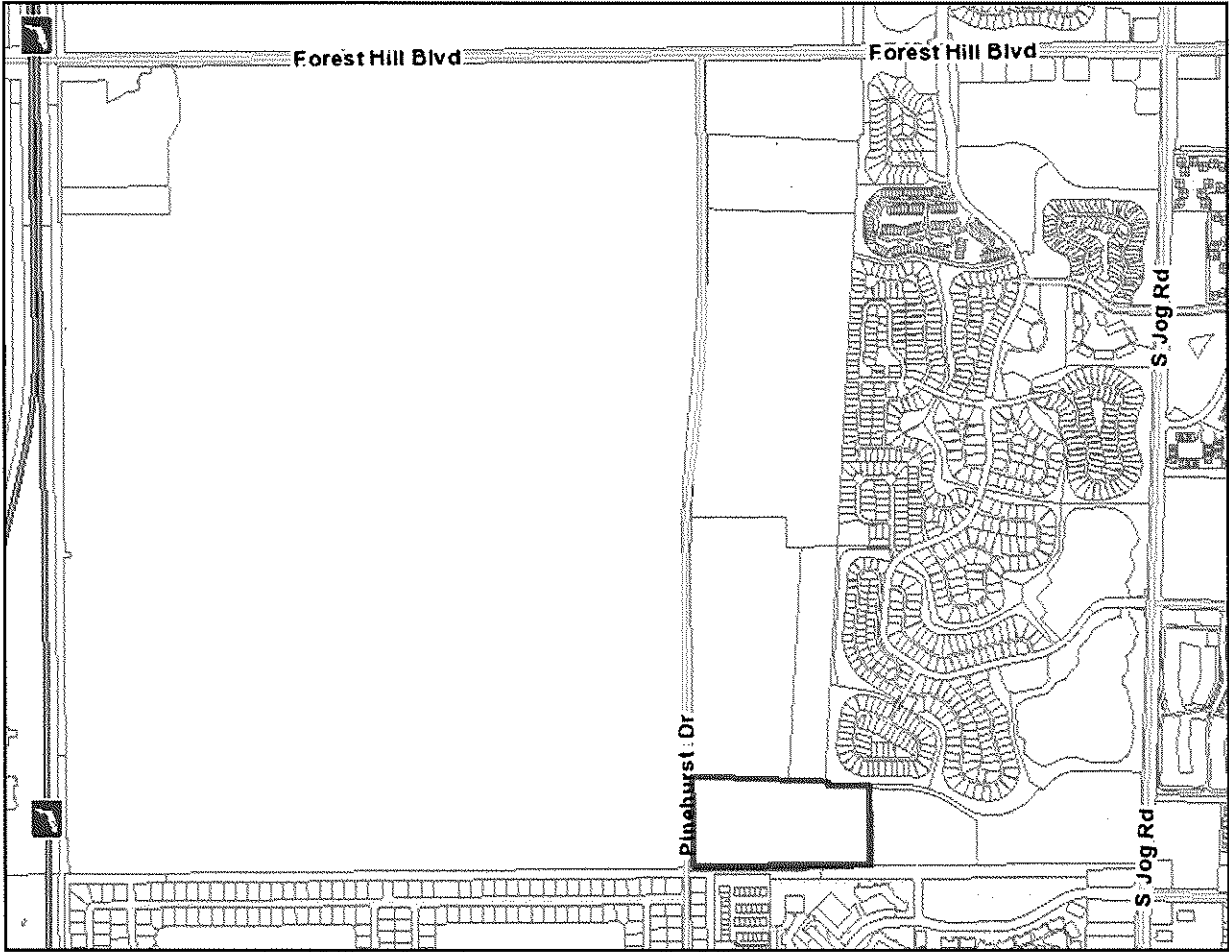
This supplement provides additional construction phase services due to additional efforts and coordination needed during construction. Additional effort was needed for shop drawing reviews, requests for information and substitution requests. Additional hours per day were needed for construction oversight from April 2023 to February 2024 due to extra hours worked by the Contractor. Additional hours are also needed to cover longer monthly progress meetings and to account for weekly meeting with the Contractor to review schedule. Hours were also added to support additional field reporting and field observations to meet Resident Building Inspector requirements from Palm Beach County Planning, Zoning and Building. Additional Permitting support and coordination was needed with Palm Beach County Environmental Resource Management for tree protection and removal. The project site, Water Treatment Plant No. 2, has multiple contractors on site which requires coordination of efforts to avoid conflicts. Additional coordination was needed for tie in locations to the raw water main under this project to water supply wells being worked on by another contractor on site. There were also coordination efforts associated with schedule, substitution requests and permitting.

This is a cost only supplement. The cost of services for this supplement is \$619,122.34.

ATTACHMENT 3

LOCATION MAP

PBCWUD Project No. 18-066





ATTACHMENT 4

Palm Beach County  
Compliance Summary Report

Vendor Number	Vendor Name	AM Best Rating	Insurance Carrier	Policy #	Eff. Date	Exp. Date	Coverage	Contract Number	Contract Name
DX00001902	Kimley-Horn and Associates, Inc.	Modified	Compliant					17-065	Water Treatment Plant #2 Treatment and Disposal Improvements
		Ap , XV	National Union Fire Insurance Company of Pittsburg	CA2970071 (MA)	4/1/2024	4/1/2025	Auto Liability		
		Ap , XV	National Union Fire Insurance Company of Pittsburg	CA4489663 (aos)	4/1/2024	4/1/2025	Auto Liability		
		Ag , XV	Allied World Assurance Company (U.S.) Inc.	03127930	4/1/2024	4/1/2025	Excess Liability		
		Ap , XV	National Union Fire Insurance Company of Pittsburg	GL5268169	4/1/2024	4/1/2025	General Liability		
		A , XV	Lloyd's	B0146LDUSA2404949	4/1/2024	4/1/2025	Professional Liability		
		Ar , XV	New Hampshire Insurance Company	WC015893685	4/1/2024	4/1/2025	Workers Comp		

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